IBM Transparent Data Migration Facility for z/OS
5.9

Messages and Codes

SC27-8964-02

Note

Before using this information and the product it supports, read the information in the **Notices** section.

This edition applies to TDMF version 5.9 and to all subsequent releases and modifications until otherwise indicated in new editions.

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About this guide

This guide includes messages and code information for TDMF.

Who should use this guide

This guide is intended for personnel involved in planning and system administrators who are responsible for data migration.

Publications and related information

This section describes how to access the IBM Z Performance and Capacity Analytics publications online.

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     IBM Corporation
     Attention: MHVRCFS Reader Comments

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Department H6MA, Building 707
2455 South Road
Poughkeepsie, NY 12601-5400
US

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- Contact your IBM service representative.
- Call IBM technical support.
- Visit the IBM Support Portal at z/OS support page (http://www.ibm.com/systems/z/support/)

Summary of changes

IBM Transparent Data Migration Facility for z/OS introduces the following new and/or changed messages and codes for this release.

Version 5.9

New messages
GTD1330-1335, GTD4127-4128, GTD4231-4236

Version 5.8

New messages
GTD1310-1315, GTD1483, GTD2052-2056, GTD2587, GTD6192-6193.

Changed messages
In message GTD2240S, the reference to message IXC335I is changed to IXC337I.
In message GTD6013E, return codes 116-118 were added.

Version 5.7

New messages
GTD1000-1190, GTD1192-1217, GTD1219, GTD1221-1226, GTD1228-1268, GTD1270-1272, GTD1276-1287, GTD1289, GTD1293-1307, GTD1364-1372, GTD1379-1387, GTD1390-1395, GTD1433-GTD1446, GTD1448-1482, GTD1485-1502, GTD1504-1513, GTD1560, GTD1574-1595, GTD1598-1599, GTD1619-1625, GTD1631-1644, GTD1649-1655, GTD1659-1674, GTD1676, GTD1679-1683, GTD1685-1687, GTD1692-1697, GTD1699-1722, GTD1724-1745, GTD1747, GTD1752-1753, GTD1757-1771, GTD1779-1793, GTD1799, GTD1800, GTD1802-1845, GTD1847-1851, GTD1853-1878, GTD1880-1899, GTD1903-1962, GTD1964-2051, GTD2166-2167, GTD2240-2475, GTD2511-2525, GTD2536-2552, GTD2560-2561, GTD2579-2586, GTD2596-2597, GTD2641-2643, GTD2648-2671, GTD2677, GTD2680-2693, GTD2695-2701, GTD2710-2715, GTD2720, GTD2722, GTD2729, GTD2780-2781, GTD2790, GTD2800-2863, GTD2869-2876, GTD2880, GTD2883, GTD2890-2907, GTD2910-2912, GTD2921-2952, GTD2960-2970, GTD3499, GTD3512-3569, GTD3575-3576, GTD3580-3582, GTD3666, GTD3678-3680, GTD3682-3692, GTD3695-3699, GTD3701-3702, GTD3707-3715, GTD3719, GTD3725-3727, GTD3729-3731, GTD3735-3738, GTD3740, GTD3746, GTD3757, GTD3763, GTD3766, GTD3768-3780, GTD3790-3794, GTD3796-3797, GTD3799-3806, GTD3810-3811, GTD3820-3832, GTD4001-4033, GTD4036-4074, GTD4076-4093, GTD4096-4099, GTD4101-4105, GTD4110-4111, GTD4115-4116, GTD4120, GTD4122-4126, GTD4150-4195, GTD4200-4212, GTD4215-4230, GTD4611, GTD4617, GTD4621, GTD4646-4647, GTD4649-4654, GTD5000-5078, GTD5996-6188, GTD6801-6807, GTD6810-6815, GTD6817-6829, GTD6998-6999, GTD8000-8002, GTD8004-8045, GTD8047-8052, GTD8100-8118, GTD8120-8121, GTD9000-9017, GTD9019-9043, GTD9045-9052, GTD9054, GTD9064-9065E, GTD9101-9105, GTD9108-9111, GTD9113-9127, GTD9201-9207, GTD9301-9308, GTD9311-9313, GTD9320-9326, GTD9331-9336, GTD9338-9359, GTD9363-9375, GTD9377-9381, GTD9401, GTD9404-9421, GTD9423-9428, GTD9435-9442, GTD9445-9449, GTD9451-9454, GTD9468-9475, GTD9655, GTD9701-9711, GTD9900

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GTD messages

GTD messages are listed in numerical order for reference.

GTD060EI **Invalid Source - Must be a valid UNIT or VOLUME: <source>**

Explanation:
The specified source volume or unit was not of a valid format. Correct the source volume or unit.

System action:
TDMF Monitor UI processing continues.

GTD061EI **ISFEXEC Error - ISFEXEC RC=<return-code> Request type: <request_type>**

Explanation:
A call to the ISFEXEC service failed. This could be the result of an authorization error. Additional messages may follow GTD061E that further detail the cause of the error.

System action:
TDMF Monitor UI processing continues.

GTD062EI **DSN Error - DSN:<dsname> Error: <error-description>**

Explanation:
An error occurred accessing the named data set. Specific error details are recorded in the error-description field.

System action:
TDMF Monitor UI processing continues.

GTD063EI **Volume import <succeeded/failed> - Total records processed: <total_records> Header records skipped: <records_skipped> Volume pairs added: <volume_pairs_added> Records skipped in error: <error_records>**

Explanation:
GTD063I provides statistics related to a volume list import request.

System action:
TDMF Monitor UI processing continues.

GTD064EI **JCL import <succeeded/failed> - Volume pairs added: <volume_pairs_added> Options added: <num_of_options_added>**

Explanation:
GTD064I provides statistics related to a TDMF job import request.

User response:
TDMF Monitor UI processing continues.

GTD1000I ***control-statement***

Explanation:
Reflection of an input control statement to the report file.

Detecting CSECT:
GTDMSTR, GTDRMST

GTD1001S **The PARM supplied on the EXEC statement was neither MASTER nor AGENT.**

Explanation:
The parameter information supplied on the EXEC JCL statement did not specify whether this TDMF job should be executed as a Master or Agent.

System action:
TDMF execution is terminated.

User response:
Correct the parameter information on the TDMF job to indicate whether this is a MASTER or AGENT TDMF job.

Detecting CSECT:
GTDINIT

GTD1002S **Unrecognized information in the MASTER parameter.**

Explanation:
The parameter field on the EXEC JCL statement contains superfluous information following the word MASTER.

System action:
TDMF execution is terminated.

User response:
Compare EXEC statement with sample job listings in the *IBM Transparent Data Migration Facility for z/OS Reference Guide*.

Detecting CSECT:
GTDINIT

GTD1003S **Unrecognized information in the AGENT parameter.**

Explanation:

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The parameter field on the EXEC JCL statement contains superfluous information following the word AGENT.

System action:
TDMF execution is terminated.

User response:
Compare EXEC statement with sample job listings in the *IBM Transparent Data Migration Facility for z/OS Reference Guide*.

Detecting CSECT:
GTDINIT

GTD1004I **SCAN type migration session initialization requested.**

Explanation:
The user has provided a SCAN type execution parameter or a GTDSCAN DD statement in the TDMF Master JCL. The session will validate the control statements supplied, and activate the migration volumes on this and the Agent systems. The session will then terminate without copying data to the target volumes.

System action:
TDMF initialization continues.

Detecting CSECT:
GTDINIT

GTD1005S **A GETMAIN for a length of 504 bytes below 16MB failed for the SDRF block.**

Explanation:
Insufficient virtual storage below 16MB to continue execution.

System action:
The SYSIN file is not processed and TDMF execution is terminated.

Detecting CSECT:
GTDMAIN

GTD1006S **Validation of the SMF System Management Control Area control block failed.**

Explanation:
TDMF could not validate the SMF System Management Control Area (SMCA).

System action:
TDMF execution is terminated.

Detecting CSECT:
GTDMAIN

GTD1007S **The SMFID of this system does not match the SMFID of the specified SYSIN MASTER.**

Explanation:
The TDMF job parameter was specified as MASTER, but the SMFID for the system does not match the SMFID specified in the SYSIN dataset for the MASTER system.

System action:
TDMF execution is terminated.

Detecting CSECT:
GTDMAIN

GTD1008S **A logic error has been detected in the TDMF system. The system is terminated.**

Explanation:
A TDMF internal logic error was detected.

System action:
TDMF execution is terminated.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDMAIN

GTD1009S **An ECSA (above 16MB) obtain storage request failed.**

Explanation:
TDMF was unable to obtain enough virtual storage in the ECSA for the MS control block.

System action:
TDMF execution is terminated.

User response:
Refer to the *IBM Transparent Data Migration Facility for z/OS Reference Guide* for estimating virtual storage requirements.

Problem determination:
The amount of storage requested is based on the number of systems and the number of concurrent migrations requested.

GTD1010S **A pagefix real storage request failed.**

Explanation:
Insufficient real storage was available to pagefix the MS control block.

System action:
TDMF execution is terminated.

User response:
Refer to the *IBM Transparent Data Migration Facility for z/OS Reference Guide* for estimating virtual storage requirements.

Problem determination:

The amount of storage requested is based on the number of systems and the number of concurrent migrations requested.

GTD1011S **For the communications dataset (SYSCOM), the dasd volume *volser* does not support RPS.**

Explanation:
RPS support is required for the communications dataset (SYSCOM).

System action:
TDMF execution is terminated.

User response:
Place the communications dataset on a DASD volume that supports RPS.

Detecting CSECT:
GTDMAIN

GTD1012S **For a migration request, an exclusive SCOPE=SYSTEMS source (*source-volser*) ENQ request failed.**

Explanation:
Another TDMF session controls the source volume serial number.

User response:
Check for errors in the volume serial numbers specified, or one of the volumes specified is involved in another migration session.

Problem determination:
Use the MVS™ display command, "D GRS,RES=(MIGRTDMF,'MIGRATING *volser*')", to determine the identity of the TDMF session in which this volume was specified.

Detecting CSECT:
GTDMAIN

GTD1013S **For a migration request, an exclusive SCOPE=SYSTEMS target (*target-volser*) ENQ request failed.**

Explanation:
Another TDMF session controls the target volume serial number.

System action:
TDMF execution is terminated.

User response:
Check for errors in the volume serial numbers specified, or one of the volumes specified is involved in another migration session.

Problem determination:
Use the MVS display command, "D GRS,RES=(MIGRTDMF,'MIGRATING *volser*')", to determine the identity of the TDMF session in which this volume was specified.

Detecting CSECT:
GTDMAIN

GTD1014S **For a migration request, an exclusive SCOPE=SYSTEMS (*newvsn*) ENQ request failed.**

Explanation:
Another TDMF session controls the new source volume serial number.

System action:
TDMF execution is terminated.

User response:
Check for errors in the volume serial numbers specified, or one of the volumes specified is involved in another migration session.

Problem determination:
Use the MVS display command, "D GRS,RES=(MIGRTDMF,'MIGRATING *volser*')", to determine the identity of the TDMF session in which this volume was specified.

Detecting CSECT:
GTDMAIN

GTD1015S **This Agent system is requesting TDMF termination due to serious errors.**

Explanation:
During an Agent system initialization, a serious error was detected which caused the Agent system to request TDMF termination.

System action:
TDMF execution is terminated.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDMAIN

GTD1016S **During Agent initialization, update of the SYSCOM dataset failed, invalid parm.**

Explanation:
TDMF attempted to update the communications dataset during an Agent system initialization and the I/O failed due to an invalid function or parameter.

System action:
TDMF execution is terminated.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDMAIN

GTD1017S **During Agent initialization, update of the SYSCOM dataset failed, CCW build.**

Explanation:
TDMF attempted to update the communications dataset during an Agent initialization and the I/O failed due to an error in the CCW build routine.

System action:
TDMF execution is terminated.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDMAIN

GTD1018S **During Agent initialization, update of the SYSCOM dataset failed, I/O error.**

Explanation:
TDMF attempted to update the communications dataset during an Agent initialization and the I/O failed due to an I/O error returned from module GTDSIO.

System action:
TDMF execution is terminated.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDMAIN

GTD1019S **During Agent initialization, update of the SYSCOM dataset failed, abend.**

Explanation:
TDMF attempted to update the communications dataset during an Agent initialization and failed due to an abend in GTDSIO.

System action:
TDMF execution is terminated.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDMAIN

GTD1020S **The Master system is requesting TDMF termination due to serious errors.**

Explanation:
During initialization a serious error prevented the Master system from initializing successfully, which caused the Master system to request TDMF termination.

System action:
TDMF execution is terminated.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDMAIN

GTD1021S **During Master initialization, initialization of the SYSCOM dataset failed, invalid parm.**

Explanation:
TDMF attempted to update the communications dataset during a Master system initialization and the I/O failed due to an invalid function or parameter.

System action:
TDMF execution is terminated.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDMAIN

GTD1022S **During Master initialization, initialization of the SYSCOM dataset failed, CCW build.**

Explanation:
TDMF attempted to update the communications dataset during a Master initialization and the I/O failed due to an error in the CCW build routine.

System action:
TDMF execution is terminated.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDMAIN

GTD1023S **During Master initialization, initialization of the SYSCOM dataset failed, I/O error.**

Explanation:
TDMF attempted to update the communications dataset during a Master initialization and the I/O failed due to an I/O error returned from module GTDSIO.

System action:
TDMF execution is terminated.

User response:
Check the volume that the communications dataset resides on for errors.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDMAIN

GTD1024S **During Master initialization, initialization of the SYSCOM dataset failed, abend.**

Explanation:
TDMF attempted to update the communications dataset during a Master initialization and the I/O failed due to an I/O error returned from module GTDSIO.

System action:
TDMF execution is terminated.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDMAIN

GTD1025S **For a TDMF system request, a shared SCOPE=SYSTEM TDMF/DSN ENQ request failed.**

Explanation:
The TDMF system issued a shared SCOPE=SYSTEM ENQ request failed for the major name of TDMF*xxxx*/DSN. This ENQ was to provide the address of the TDMF system main control block to the TDMF TSO Monitor.

System action:
TDMF execution is terminated.

Detecting CSECT:
GTDMAIN

GTD1026S **The GTDMAIN program has detected an abend causing termination of migrations.**

Explanation:
An abend indicating an unrecoverable error was detected by module GTDMAIN.

System action:
TDMF execution is terminated.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDMAIN

GTD1027W **TRANSWAP SYSEVENT failure.**

Explanation:
TDMF could not perform a transitional swap to become a first level preferred storage user. Because of this, it is possible that long term fixed pages may pollute the non-preferred real storage areas (storage that is either reconfigurable or available for V=R region allocations).

System action:
TDMF initialization continues.

Programmer response:
Determine why the TDMF job could not perform the transitional swap. If the GTDMAIN or batch initiator program is marked non-swappable in the Program Properties Table (PPT), consider also setting the LPREF indicator. Contact technical support for assistance.

Detecting CSECT:
GTDINIT

GTD1028S **An unrecognizable control statement was found.**

Explanation:
An invalid control statement was found in the input; either the first column was non-blank or columns 2-5 did not contain the characters TDMF.

System action:
TDMF execution is terminated.

User response:
Check that comments are correctly coded with an asterisk in the first column and that control statements begin in column two with the characters "TDMF". There are control record descriptions and sample job listings in the *IBM Transparent Data Migration Facility for z/OS Reference Guide*.

Detecting CSECT:
GTDMSTR

GTD1029S **A SYSTEMS record appears to have information in columns that should be blank.**

Explanation:
Fields of the SYSTEMS statement must be separated by blanks. This statement is not formatted properly; therefore, it is invalid.

System action:
TDMF execution is terminated.

User response:
Compare with sample job listings in the *IBM Transparent Data Migration Facility for z/OS Reference Guide*.

Detecting CSECT:
GTDMSTR

GTD1030S **A MIGRATE record appears to have information in columns that should be blank.**

Explanation:
Fields of the MIGRATE statement must be separated by blanks. This statement is not formatted properly; therefore, it is invalid.

System action:
TDMF execution is terminated.

User response:
Compare with sample job listings in the *IBM Transparent Data Migration Facility for z/OS Reference Guide*.

Detecting CSECT:
GTDMSTR

GTD1031W The VMSG control block is full for this volume migration.

Explanation:
The VMSG control block is full for this volume's migration and cannot hold any more messages.

System action:
TDMF volume migration continues with no additional messages being received for this volume.

GTD1032W The SMSG control block is full for this system.

Explanation:
The SMSG control block is full and cannot hold any more messages.

System action:
All TDMF migrations continue normally.

Detecting CSECT:
GTDRTNM

GTD1033S The SYSCOM DD statement is missing.

Explanation:
The required DD statement "SYSCOM" was not supplied, or the DDname was misspelled. This DD statement defines the Communications Dataset for the session.

System action:
TDMF execution is terminated.

Programmer response:
Correct the JCL and resubmit the TDMF job.

Detecting CSECT:
GTDMAIN

GTD1034S The GTDKEY DD statement is missing.

Explanation:
The required DD statement "GTDKEY" was not supplied, or the DDname was misspelled. This DD statement defines a load module library containing the GTDKEYS member that was built by the SYSOPTN job.

System action:
TDMF execution is terminated.

Programmer response:
Correct the JCL and resubmit the TDMF job.

Detecting CSECT:
GTDMAIN

GTD1035S TDMF is attempting to execute in a system environment that has not been tested.

Explanation:
TDMF is attempting to execute upon an unsupported level of the operating system.

System action:
TDMF execution is terminated.

Programmer response:
Check the TDMF Support Web page at http://www.ibm.com/systems/z/support/ for the latest supported levels and fixes. If additional assistance is needed, contact IBM Technical Support. Message GTD1729S precedes this message to provide information required by technical support personnel.

Detecting CSECT:
GTDINIT

GTD1036S The Master system is not authorized to use TDMF upon this processor.

Explanation:
TDMF is attempting to execute upon a system as a Master and the CPU is not authorized or licensed to use TDMF. This failure could also be caused by a missing DD JCL statement for the GTDKEY dataset.

System action:
TDMF execution is terminated.

User response:
Check for a missing GTDKEY DD JCL statement.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDMAIN

GTD1037S This Agent system is not authorized to use TDMF upon this processor.

Explanation:
TDMF is attempting to execute upon a system as an Agent and the CPU is not authorized or licensed to use TDMF. This failure could also be caused by a missing DD JCL statement for the GTDKEY dataset.

System action:
TDMF execution is terminated.

User response:
Check for a missing GTDKEY DD JCL statement.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDINIT, GTDSLAV

GTD1038S Validation of the SMF System Management Control Area control block failed.

Explanation:

The validation of the SMF System Management Control Area control block failed.

System action:
TDMF execution is terminated.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDINIT

GTD1039S **An OPEN failure was received in attempting to OPEN the SYSIN dataset.**

Explanation:
The parameter information identified this system as a Master system, however, a SYSIN DD JCL statement does not exist or an error occurred during the opening of the SYSIN dataset.

System action:
The SYSIN file is not processed and TDMF execution is terminated.

Detecting CSECT:
GTDMSTR

GTD1040S **A premature EOF was received on the SYSIN dataset. It may be a null file.**

Explanation:
A premature end-of-file was received on the SYSIN dataset. The file is apparently a dummy or null file.

System action:
The SYSIN file is not processed and TDMF execution is terminated.

Detecting CSECT:
GTDMSTR

GTD1041S **The first or second SYSIN record is not a SYSTEMS request.**

Explanation:
Neither the first or second SYSIN record is a SYSTEMS statement (columns 7-13).

System action:
TDMF execution is terminated.

Detecting CSECT:
GTDMSTR

GTD1042S **The first SYSIN record is a SYSTEMS request but is not a MASTER request.**

Explanation:
The first SYSIN record is a SYSTEMS statement but is not a MASTER request (columns 20-25).

System action:
TDMF execution is terminated.

User response:
Compare with the MASTER sample job listings in the *IBM Transparent Data Migration Facility for z/OS Reference Guide*.

Detecting CSECT:
GTDMSTR

GTD1043S **The first SYSIN record is a SYSTEMS request but the SMFID field is blank.**

Explanation:
The first SYSIN record is a SYSTEMS statement but the SMFID field is blank (columns 15-19).

System action:
TDMF execution is terminated.

User response:
Enter the correct SMFID on SYSTEMS record.

Detecting CSECT:
GTDMSTR

GTD1044S **The first SYSIN record is a SYSTEMS request but the SYSCOM DSN is blank.**

Explanation:
The first SYSIN record is a SYSTEMS statement but the SYSCOM dataset name (DSN) is blank (column 27).

System action:
TDMF execution is terminated.

User response:
Specify the communications dataset name on the SYSTEMS record the same dataset name as specified on the //SYSCOM DD JCL statement.

Detecting CSECT:
GTDMSTR

GTD1045S **An invalid parameter is being specified for the single group option.**

Explanation:
An invalid option was specified for the single group option. TDMF allows the specification to treat all volumes in the migration session as a single group, by specifying a "Y".

System action:
TDMF execution is terminated.

User response:
The only option in column 72 allowed is a "Y".

Detecting CSECT:
GTDMSTR

GTD1046S **In a SYSTEMS record other than the first, the SMFID field is blank.**

Explanation:

In a SYSTEMS statement other than the first, the SMFID field is blank (columns 15-18).

System action:
TDMF execution is terminated.

User response:
Specify the SMFID for the Agent system.

Detecting CSECT:
GTDMSTR

GTD1047S **The number of SYSTEMS records exceeds the TDMF system maximum of thirty-two.**

Explanation:
The number of SYSTEMS statements exceeded the TDMF system limit of 32.

System action:
TDMF execution is terminated.

User response:
Remove all unnecessary SYSTEMS statements.

Detecting CSECT:
GTDMSTR

GTD1048S **The SMFID of this system matches the SMFID of another system already specified.**

Explanation:
The SMFID of this system matches the SMFID of another system already specified.

System action:
TDMF execution is terminated.

User response:
Check for and remove duplicate SYSTEMS statement.

Detecting CSECT:
GTDMSTR

GTD1049S **A premature EOF was received on the SYSIN dataset. Probably a missing END statement.**

Explanation:
A premature end-of-file was received on the SYSIN dataset. It may be due to a missing END statement or missing MIGRATE control statements.

System action:
TDMF execution is terminated.

User response:
The last statement must be an END statement.

Detecting CSECT:
GTDMSTR

GTD1050S **Multiple records exist in the SYSIN dataset indicating each is a MASTER system.**

Explanation:
Multiple records exist in the SYSIN dataset indicating that each is a MASTER system.

System action:
TDMF execution is terminated.

User response:
Check for and remove duplicate MASTER SYSTEMS statement(s).

Detecting CSECT:
GTDMSTR

GTD1051S **A logic error has been detected in the TDMF system. The system is terminated.**

Explanation:
A logic error was detected in the TDMF system.

System action:
TDMF execution is terminated.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDMSTR

GTD1052S **The SYSIN record is neither a SYSTEMS nor a MIGRATE control statement.**

Explanation:
The SYSIN record was not a SYSTEMS or MIGRATE statement.

System action:
TDMF execution is terminated.

User response:
Compare with the MASTER sample job listings in the *IBM Transparent Data Migration Facility for z/OS Reference Guide*.

Detecting CSECT:
GTDMSTR

GTD1053S **The MIGRATE volume serial number specified for the source volume is invalid.**

Explanation:
The specified volume serial number for the MIGRATE statement is blank or contains an imbedded blank.

System action:
TDMF execution is terminated.

User response:
Check the MIGRATE statement for missing information in columns 15-20.

Detecting CSECT:
GTDMSTR

GTD1054S **The MIGRATE volume serial number specified for the target volume is invalid.**

Explanation:
The specified volume serial number for the target volume in the MIGRATE statement is blank, contains an imbedded blank or is the same as the source volume serial number.

System action:
TDMF execution is terminated.

User response:
Check the MIGRATE statement for missing information in columns 22-27.

Detecting CSECT:
GTDMSTR

GTD1055S **The MIGRATE volume serial number specified for the new volume is invalid.**

Explanation:
The specified new volume serial number in the MIGRATE statement contains an imbedded blank.

System action:
TDMF execution is terminated.

User response:
Check the MIGRATE statement for missing information in columns 29-34.

Detecting CSECT:
GTDMSTR

GTD1056S **The new volume serial number option is invalid with the point-in-time option.**

Explanation:
The new volume serial number cannot be used because the Point-In-Time migration option is being used.

System action:
TDMF execution is terminated.

User response:
Remove information from columns 29-34.

Detecting CSECT:
GTDMSTR

GTD1057W **The new volume serial number specified is a duplicate of this source volume.**

Explanation:
The new volume serial number specified in the MIGRATE statement is a duplicate of the source volume serial number.

System action:
The new volume serial number is ignored. The migration continues after this warning.

Detecting CSECT:
GTDMSTR

GTD1058W **The new volume serial number specified is a duplicate of this target volume.**

Explanation:
The new volume serial number in the MIGRATE statement is a duplicate of the target volume number.

System action:
The new volume serial number is ignored since the default is to use the target volume serial number as the resultant source volume serial number. The migration continues after this warning.

Detecting CSECT:
GTDMSTR

GTD1059S **The source volume serial number specified is a duplicate of another source.**

Explanation:
The source volume serial number specified in the MIGRATE statement is a duplicate of another source volume serial number in this migration.

System action:
TDMF execution is terminated.

User response:
Check the MIGRATE statement for duplicate information in columns 15-20.

Detecting CSECT:
GTDMSTR

GTD1060S **The source volume serial number specified is a duplicate of another target.**

Explanation:
The source volume serial number specified in the MIGRATE statement is a duplicate of a target volume serial number in this migration.

System action:
TDMF execution is terminated.

User response:
Check the MIGRATE statement for duplicate information in columns 22-27.

Detecting CSECT:
GTDMSTR

GTD1061S **The target volume serial number specified is a duplicate of another source.**

Explanation:

The target volume serial number specified in the MIGRATE statement is a duplicate of a source volume serial number in this migration.

System action:
TDMF execution is terminated.

User response:
Check the MIGRATE statement for duplicate information in columns 15-20.

Detecting CSECT:
GTDMSTR

GTD1062S The target volume serial number specified is a duplicate of another target.

Explanation:
The target volume serial number specified in the MIGRATE statement is a duplicate of another target volume serial number in this migration.

System action:
TDMF execution is terminated.

User response:
Check the MIGRATE statement for duplicate information in columns 22-27.

Detecting CSECT:
GTDMSTR

GTD1063S The source volume serial number specified is a duplicate of another new volser.

Explanation:
The source volume serial number specified in the MIGRATE statement is a duplicate of a new serial number specified for another migration volume.

System action:
TDMF execution is terminated.

User response:
Check the MIGRATE statement for duplicate information in columns 29-34.

Detecting CSECT:
GTDMSTR

GTD1064S The target volume serial number specified is a duplicate of another new volser.

Explanation:
The target volume serial number specified in the MIGRATE statement is a duplicate of a new serial number specified for another migration volume.

System action:
TDMF execution is terminated.

User response:
Check the MIGRATE statement for duplicate information in columns 29-34.

Detecting CSECT:
GTDMSTR

GTD1065S The new volume serial number specified is a duplicate of another source.

Explanation:
The new volume serial number specified in the MIGRATE statement is a duplicate of another source volume serial number in this migration.

System action:
TDMF execution is terminated.

User response:
Check the MIGRATE statement for duplicate information in columns 15-20.

Detecting CSECT:
GTDMSTR

GTD1066S The new volume serial number specified is a duplicate of another target.

Explanation:
The new volume serial number specified in the MIGRATE statement is a duplicate of another target volume serial number in this migration.

System action:
TDMF execution is terminated.

User response:
Check the MIGRATE statement for duplicate information in columns 22-27.

Detecting CSECT:
GTDMSTR

GTD1067S The new volume serial number specified is a duplicate of another new volume.

Explanation:
The new volume serial number specified in the MIGRATE statement is a duplicate of another new volume serial number in this migration.

System action:
TDMF execution is terminated.

User response:
Check the MIGRATE statement for duplicate information in columns 29-34.

Detecting CSECT:
GTDMSTR

GTD1068S The number of MIGRATE control statements may not exceed 512.

Explanation:

The maximum number of volume migration requests within a single Master/Agents session is 512.

System action:
TDMF execution is terminated.

User response:
Perform this migration in multiple sessions.

Detecting CSECT:
GTDMSTR

GTD1069S The migration request type is not recognized.

Explanation:
The specified migration type (column 36) is invalid. Only options of Swap (S), Point-In-Time (P), Duplex (D), TCP/IP remote copy (I) or both local and remote copy (B) are allowed. One of these migration types must be specified.

System action:
TDMF execution is terminated.

User response:
Correct the MIGRATE statement in column 36.

Detecting CSECT:
GTDMSTR

GTD1070S The point-in-time migration option is not prompt (P) or automatic (Y).

Explanation:
The specified Point-In-Time migration option is invalid. Only options of prompt (P) and automatic (Y) are allowed.

System action:
TDMF execution is terminated.

User response:
Correct the MIGRATE statement in column 38.

Detecting CSECT:
GTDMSTR

GTD1071S The purge volume option specified is not valid. Only YES (Y) is allowed.

Explanation:
The specified purge volume option is invalid. The only options allowed are YES (Y) or blank.

System action:
TDMF execution is terminated.

User response:
Correct the MIGRATE statement in column 40.

Detecting CSECT:
GTDMSTR

GTD1072S The compare option specified is not valid. Only YES (Y) is allowed.

Explanation:
The specified compare option is invalid. The only options allowed are YES (Y) or blank.

System action:
TDMF execution is terminated.

User response:
Correct the MIGRATE statement in column 42.

Detecting CSECT:
GTDMSTR

GTD1073S The value specified for the volume sync time is invalid.

Explanation:
The value specified for the synchronization time is invalid. The value specified for the volume is not numeric.

System action:
TDMF execution is terminated.

User response:
Specify an allowable value of 005 to 999.

Detecting CSECT:
GTDMSTR, GTDRMST

GTD1074S SYSIN records must be specified in the following order - SYSTEMS, MIGRATE, END.

Explanation:
The TDMF control statements in the SYSIN dataset were not specified in the proper order. The statements must be specified in the following order: SYSTEMS, MIGRATE and END. Internet Protocol (IP) statements may only follow a single MIGRATE statement.

System action:
TDMF execution is terminated.

User response:
Compare with sample job listings in the *IBM Transparent Data Migration Facility for z/OS Reference Guide*.

Detecting CSECT:
GTDMSTR

GTD1075S For the communications dataset (SYSCOM), an RDJFCB request failed.

Explanation:
An RDJFCB request failed for the communications dataset (SYSCOM).

System action:
TDMF execution is terminated.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:

GTDCOM1

GTD1076S **DSN specified for the communications dataset (SYSCOM) does not match disk DSN.**

Explanation:
The dataset name specified in the SYSTEMS statement does not match the dataset name on the disk volume.

System action:
TDMF execution is terminated.

Detecting CSECT:
GTDCOM1, GTDVUCB

GTD1077S **For the communications dataset (SYSCOM), the number of volumes exceeds one.**

Explanation:
The communications dataset (SYSCOM) must be allocated on a single volume.

System action:
TDMF execution is terminated.

User response:
Reallocate the communications dataset on a single volume.

Detecting CSECT:
GTDCOM1

GTD1078S **For the communications dataset (SYSCOM), an OBTAIN request for the F1DSCB failed.**

Explanation:
An OBTAIN request for the communications dataset (SYSCOM) Format One DSCB (F1DSCB) failed.

System action:
TDMF execution is terminated.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDCOM1

GTD1079S **For the communications dataset (SYSCOM), the F1DSCB obtained is invalid.**

Explanation:
The Format One DSCB (F1DSCB) obtained for the communications dataset (SYSCOM) is invalid.

System action:
TDMF execution is terminated.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:

GTDCOM1

GTD1080S **For the communications dataset (SYSCOM), its space must be contiguous cylinders.**

Explanation:
The space allocated for the communications dataset (SYSCOM) was not in contiguous cylinders.

System action:
TDMF execution is terminated.

User response:
Reallocate the communications dataset (SYSCOM) in contiguous cylinders.

Detecting CSECT:
GTDCOM1

GTD1081S **Communications dataset (SYSCOM) not allocated on a cylinder boundary.**

Explanation:
The space allocated for the communications dataset (SYSCOM) does not begin on a cylinder boundary.

System action:
TDMF execution is terminated.

User response:
Reallocate the communications dataset (SYSCOM) to begin on a cylinder boundary.

Detecting CSECT:
GTDCOM1

GTD1082S **For the communications dataset (SYSCOM), the space allocation is too small.**

Explanation:
The contiguous number of cylinders allocated for the communications dataset (SYSCOM) is too small.

System action:
TDMF execution is terminated.

User response:
Reallocate the communications dataset (SYSCOM) using the equation documented in Chapter 2 of the *IBM Transparent Data Migration Facility for z/OS Reference Guide*, Post Installation Tailoring.

Detecting CSECT:
GTDCDDT

GTD1083S **For the communications dataset (SYSCOM), no Unit Control Block (UCB) was found.**

Explanation:
No Unit Control Block (UCB) was found for the communications dataset (SYSCOM).

System action:

TDMF execution is terminated.

Detecting CSECT:
GTDMAIN

GTD1084I **Communication Data Set. Size specified is *cylin*, requires *cylout* cylinders.**

Explanation:
Shows the number of cylinders allocated to SYSCOM and the number of cylinders required for this migration. Message only presented during PARM='MASTER,SCAN' execution.

System action:
TDMF execution continues.

Detecting CSECT:
GTDCDDT

GTD1085S **Invalid port number in the EXEC parameter.**

Explanation:
The parameter field on the EXEC JCL statement contains a port number that is invalid. The port number specified in the TDMF JCL must be numeric, have a maximum of 15 digits and its value must not exceed 65534 (remote Master system) or 65535 (Agent system).

System action:
TDMF execution is terminated.

User response:
Compare EXEC statement with sample job listings in the *IBM Transparent Data Migration Facility for z/OS Reference Guide*.

Detecting CSECT:
GTDINIT

GTD1086S **The communications dataset may not exist on a migration volume (*volser*).**

Explanation:
The communications dataset (SYSCOM) may NOT be allocated on a volume involved in a migration.

System action:
TDMF execution is terminated.

User response:
Allocate the communications dataset on a volume NOT involved in this TDMF session.

Detecting CSECT:
GTDCOM2

GTD1087S **An ESQA (above 16MB) obtain storage request (SRB/IOSB control block) failed.**

Explanation
An SQA (above 16MB) obtain storage request for an SRB/IOSB control block failed.

This is the first attempt by TDMF to acquire ESQA storage (544 bytes are requested for two SRB/IOSB blocks). A system suffering an acute ESQA storage shortage of this severity would be unable to process any useful work, so there must be another explanation for the failure.

System action:
TDMF execution is terminated.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDCOM2

GTD1088S **An EPVT (above 16MB) obtain storage request (CCW area) failed for SYSCOM.**

Explanation
A request for virtual storage in the extended private area for a TDMF Communications Dataset (SYSCOM) CCW area was unsuccessful.

The amount of storage requested is based upon the number of systems and the number of volumes to be migrated. However, because this storage request is made so early in the initialization phase, the message probably indicates a system or programming error.

System action:
TDMF execution is terminated.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDCOM2, GTDSLAV

GTD1089S **REPLICATE cannot be used in APPROVAL Mode.**

Explanation:
The REPLICATE operation is not supported when the APPROVAL Option has been specified for the session.

System action:
TDMF execution is terminated.

Programmer response:
Use the MIGRATE Command or eliminate the APPROVAL Parameter from the SESSION Options.

Detecting CSECT:
GTDRMST

GTD1090S **An EPVT (above 16MB) obtain storage request (I/O area) failed for SYSCOM.**

Explanation

A request for virtual storage in the extended private area for a TDMF Communications Dataset (SYSCOM) I/O area failed.

The amount of storage requested is based upon the number of systems and the number of volumes to be migrated. However, because this storage request is made so early in the initialization phase, the message probably indicates a system or programming error.

System action:
TDMF execution is terminated.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDCOM2

GTD1091S **The load of a TDMF module (*module-name*) into fixed ECSA failed. RC=*return-code*.**

Explanation:
The load of the named TDMF module into the extended common storage area (ECSA) failed.

System action:
TDMF execution is terminated.

User response:
Refer to the *IBM Transparent Data Migration Facility for z/OS Reference Guide* for estimating virtual storage requirements.

Problem determination:
The first two bytes of the hexadecimal return code contain the system ABEND code from the LOAD macro. The last two bytes contain the corresponding reason code.

Detecting CSECT:
GTDMAIN

GTD1092S **The load of a TDMF module (*module-name*) into fixed ECSA failed. RC=*return-code*.**

Explanation:
The load of the named TDMF I/O Monitor module into the extended common storage area (ECSA) failed.

System action:
TDMF execution is terminated.

User response:
Refer to the *IBM Transparent Data Migration Facility for z/OS Reference Guide* for estimating virtual storage requirements.

Problem determination:
The first two bytes of the hexadecimal return code contain the system ABEND code from the LOAD macro. The last two bytes contain the corresponding reason code.

Detecting CSECT:
GTDMAIN

GTD1093S **The load of a TDMF module (*module-name*) into the extended private area failed. RC=*return-code*.**

Explanation:
The load of the named TDMF module into the extended private area failed.

System action:
TDMF execution is terminated.

User response:
Refer to the *IBM Transparent Data Migration Facility for z/OS Reference Guide* for estimating virtual storage requirements.

Problem determination:
The first two bytes of the hexadecimal return code contain the system ABEND code from the LOAD macro. The last two bytes contain the corresponding reason code.

Detecting CSECT:
GTDMAIN

GTD1094S **A Private Area (above 16MB) storage request failed.**

Explanation:
A request to obtain storage from the extended private area for a TCP/IP control block was unsuccessful.

System action:
TDMF execution is terminated.

User response:
Refer to the *IBM Transparent Data Migration Facility for z/OS Reference Guide* for estimating virtual storage requirements.

Detecting CSECT:
GTDMAIN, GTDXSL0

GTD1095S **The MIGRATE target volume supplied for TCP/IP migration.**

Explanation:
A volume serial number was supplied for the target volume on a MIGRATE statement that specified only a REMOTE copy operation, using TCP/IP.

System action:
TDMF execution is terminated.

User response:
Remove the target volume serial number or change the migration type to "Both".

Detecting CSECT:

GTDMSTR

GTD1096S **Communications Dataset (SYSCOM) has unsupported attributes.**

Explanation:
The Communications dataset was defined as an extended format (PSE, PDSE) or HFS dataset. TDMF will not initialize a SYSCOM of this type.

System action:
TDMF execution is terminated.

User response:
Reallocate the Communications Dataset (SYSCOM) as a physical sequential file with no extended attributes.

Detecting CSECT:
GTDCOM1

GTD1097S **Communications Dataset appears to be active on *system-id*.**

Explanation:
The Communications Dataset specified for this Master job was not successfully closed since it was last used in a TDMF migration session with the Master job active on another MVS system.

System action:
TDMF execution is terminated.

User response:
Resubmit this migration session with a different Communications Dataset. Ensure that there is always a SYSTEMS control statement for every active MVS system.

Problem determination:
This message is only issued if the Communications Dataset was initialized by a different MVS system, was not correctly shut down by the previous Master job and has been updated within the previous hour.

Detecting CSECT:
GTDMAIN

GTD1098S **During Agent initialization, read of the SYSCOM dataset failed, invalid parm.**

Explanation:
An invalid I/O function or parameter request was detected while attempting to read the communications dataset (SYSCOM) during Agent initialization.

System action:
TDMF execution is terminated.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDSLAV

GTD1099S **During Agent initialization, read of the SYSCOM dataset failed, CCW build.**

Explanation:
An error occurred in the CCW build routine for the communications dataset (SYSCOM) during Agent initialization.

System action:
TDMF execution is terminated.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDSLAV

GTD1100S **During Agent initialization, read of the SYSCOM dataset failed, I/O error.**

Explanation:
An I/O error indication was returned from GTDSIO when TDMF attempted to read the communications dataset (SYSCOM) during Agent initialization.

System action:
TDMF execution is terminated.

User response:
Check that the job associated with the MASTER job successfully initialized the TDMF session.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDSLAV

GTD1101S **During Agent initialization, read of the SYSCOM dataset failed, abend.**

Explanation:
TDMF is attempting to read the communications dataset during Agent initialization and the I/O failed due to an abend in GTDSIO.

System action:
TDMF execution is terminated.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDSLAV

GTD1102S **Validation of an Agent SMF System Management Control Area control block failed.**

Explanation:
The validation of the SMF System Management Control Area control block failed during the initialization of an Agent system.

System action:
TDMF execution is terminated.

Detecting CSECT:
GTDSLAV

GTD1103S **TDMF is executing on an Agent system that has not been identified to the Master.**

Explanation:
An Agent system initialization has been requested and the SMFID of this system was not identified on a SYSTEMS statement to the TDMF session that is executing on the Master system.

System action:
TDMF execution is terminated.

User response:
Add a SYSTEMS statement with the SMFID of this Agent system to the MASTER TDMF job.

Detecting CSECT:
GTDSLAV

GTD1104S **The Agent system initialization is being attempted upon the Master system.**

Explanation:
An Agent system initialization has been requested and the SMFID of this system matched the SMFID of the Master system.

System action:
TDMF execution is terminated.

Detecting CSECT:
GTDSLAV

GTD1105S **During Agent initialization, a previously used communications dataset was used.**

Explanation
TDMF attempted to use a communications dataset during an Agent initialization that has been used in a previous TDMF migration.

The migration may have terminated normally or due to the non-initialization of this Agent in a previous TDMF migration. It could also indicate that a Master system failed to initialize in the allotted 15 minutes.

System action:
TDMF execution is terminated.

User response:
Ensure that all Master and Agent jobs in this session have completed, correct initialization errors and resubmit the Master and all the Agent jobs.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDSLAV

GTD1106S **For the communications dataset (SYSCOM), an exclusive ENQ request failed.**

Explanation:
An exclusive ENQ request failed for the communications dataset (SYSCOM). Although multiple TDMF sessions may be active concurrently, each TDMF session must use an individual communications dataset. The ENQ is being issued for SCOPE=SYSTEMS, the major name is TDMFMSTR and the minor name is the communications dataset name. A failure indicates that multiple TDMF sessions using the same communications dataset name are attempting execution at the same time.

System action:
TDMF execution is terminated.

Detecting CSECT:
GTDMAIN

GTD1107S **For a migration request, a Unit Control Block (UCB) was found for a newvsn, *newvsn*.**

Explanation
A Unit Control Block (UCB) was found for a migration request with a volume mounted whose volume serial number is the same as the new volume serial number requested.

Performing the migration might lead to a situation where confusion might arise because of these duplicate volume serial numbers.

System action:
TDMF execution is terminated.

User response:
Issue a MVS command (D U,VOL=*newvsn*), to locate the volume that is online with the *newvsn*.

Detecting CSECT:
GTDVUCB

GTD1108S **For a migration request, no Unit Control Block (UCB) was found for a source (*source-volser*).**

Explanation:
A Unit Control Block (UCB) was not found for the source volume serial number specified on the migration request (TDMF attempted a UCB pin operation).

System action:
TDMF execution is terminated.

Detecting CSECT:
GTDVUCB

GTD1109S **For a migration request, an unsupported device type was found for a source (*source-volser*).**

Explanation:
An unsupported device type was found for the source volume serial number specified on the migration request.

System action:
TDMF execution is terminated.

Detecting CSECT:
GTDVUCB

GTD1110S **For a migration request, the source device requested was offline.**

Explanation:
The device specified by the migration request for a source volume serial number is offline.

System action:
TDMF execution is terminated.

Detecting CSECT:
GTDVUCB

GTD1111S **For a migration request, the source device requested was changing status (*source-device*).**

Explanation:
The device specified by the migration request for a source volume serial number is changing status from online to offline.

System action:
TDMF execution is terminated.

User response:
Resubmit the job after ensuring the source volume is online.

Detecting CSECT:
GTDVUCB

GTD1112S **A request for a page volume migration was rejected (*source-volser*).**

Explanation

TDMF provides limited support for migration of volumes containing page datasets. If any of the following conditions exists, this message will be issued and TDMF initialization will fail:

A volume contains a local page dataset.

There is more than one volume in the migration session.

A page dataset volume is being migrated to a smaller device with the automatic ICKDSF option in effect.

A page volume is under JES3 control.

System action:
TDMF execution is terminated.

User response:
A volume containing a Local page dataset or a Swap dataset can be migrated, after the dataset has been deleted or replaced using the MVS PAGEDEL operator command. PLPA, Common and Duplex page datasets can only be migrated in single volume migration sessions.

Detecting CSECT:
GTDVUCB

GTD1113S **For a migration request, no Unit Control Block (UCB) was found for a target (*target-volser*).**

Explanation:
A Unit Control Block (UCB) was not found for the target volume serial number specified on the migration request (TDMF attempted a UCB pin operation).

System action:
TDMF execution is terminated.

User response:
Resubmit the job after ensuring the target volume is online.

Detecting CSECT:
GTDDDDT, GTDVUCB

GTD1114S **For a migration request, an unsupported device type was found for a target (*target-volser*).**

Explanation:
An unsupported device type was found for the target volume serial number on the migration request.

System action:
TDMF execution is terminated.

Detecting CSECT:
GTDVUCB

GTD1115S **For a migration request, the target device requested was offline.**

Explanation:
The device specified by the migration request for a target volume serial number is offline.

System action:
TDMF execution is terminated.

Detecting CSECT:
GTDVUCB

GTD1116S **For a migration request, the target device requested was changing status (*target-device*).**

Explanation:

The device specified by the migration request for a target volume serial number is changing status from online to offline.

System action:
TDMF execution is terminated.

Detecting CSECT:
GTDVUCB

GTD1117S The migration to a target volume that is currently allocated is not supported (*target-volser*).

Explanation:
The device specified by the migration request for a target volume serial number is allocated to other users, jobs or address spaces. This is not supported.

System action:
TDMF execution is terminated.

Detecting CSECT:
GTDVUCB

GTD1118S An ECSA (above 16MB) obtain storage request (MONITOR control block) failed.

Explanation:
A request to obtain virtual storage from the extended common storage area for the TDMF TSO Monitor interface failed.

System action:
TDMF execution is terminated.

User response:
Refer to the *IBM Transparent Data Migration Facility for z/OS Reference Guide* for estimating virtual storage requirements.

Detecting CSECT:
GTDMAIN

GTD1119S The MVS DFP control block (DFA) appears to be invalid.

Explanation:
The Storage Subsystem control blocks could not be located. The MVS DFP control block (DFA) appears to be invalid.

System action:
TDMF execution is terminated.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDVUCB

GTD1120S The MVS DFP control block (DFVT) appears to be invalid.

Explanation:
The Storage Subsystem control blocks could not be located. The MVS DFP control block (DFVT) appears to be invalid.

System action:
TDMF execution is terminated.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDVUCB

GTD1121S The MVS DFP control block (SSSVT) appears to be invalid.

Explanation:
The Storage Subsystem control blocks could not be located. The MVS DFP control block (SSSVT) appears to be invalid.

System action:
TDMF execution is terminated.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDVUCB

GTD1122S The MVS DFP control block (SSSCT) appears to be invalid.

Explanation:
While attempting to locate Storage Subsystem control blocks, the MVS DFP control block (SSSCT) appears to be invalid.

System action:
TDMF execution is terminated.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDVUCB

GTD1123S The MVS DFP control block (SSSCB) appears to be invalid.

Explanation:
While attempting to locate Storage Subsystem control blocks, the MVS DFP control block (SSSCB) appears to be invalid.

System action:
TDMF execution is terminated.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDVUCB

GTD1124S The MVS DFP control block (SSCBDH) appears to be invalid.

Explanation:

While attempting to locate Storage Subsystem control blocks, the MVS DFP control block (SSCBDH) appears to be invalid.

System action:
TDMF execution is terminated.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDVUCB

GTD1125S **On the SYSCOM dataset, a Read Device Characteristics I/O operation failed.**

Explanation:
For the communications dataset (SYSCOM), a Read Device Characteristics I/O operation failed.

System action:
TDMF execution is terminated.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDVUCB

GTD1126S **For the communications dataset (SYSCOM), the device does not support ECKD.**

Explanation:
For the communications dataset (SYSCOM), the device selected is on a 3880 storage controller and does not support ECKD.

System action:
TDMF execution is terminated.

Detecting CSECT:
GTDVUCB

GTD1127S **According to the Read Device Characteristics, the SYSCOM device is not a 33X0.**

Explanation:
For the communications dataset (SYSCOM), a Read Device Characteristics I/O indicates that the device is not a supported device type of 3380 or 3390.

System action:
TDMF execution is terminated.

User response:
Allocate the communications on a supported device.

Detecting CSECT:
GTDVUCB

GTD1128S **On the SYSCOM dataset, a Sense ID I/O operation failed.**

Explanation:
For the communications dataset (SYSCOM), a Sense ID I/O operation failed.

System action:
TDMF execution is terminated.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDVUCB

GTD1129S **On the SYSCOM dataset, a Sense Subsystem Status I/O operation failed.**

Explanation:
For the communications dataset (SYSCOM), a Sense Subsystem Status I/O operation failed.

System action:
TDMF execution is terminated.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDVUCB

GTD1130S **On the SYSCOM dataset, a Read Configuration Data I/O operation failed.**

Explanation:
For the communications dataset (SYSCOM), a Read Configuration Data I/O operation failed.

System action:
TDMF execution is terminated.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDVUCB

GTD1131S **For a target volume, a swap request was desired but no UCB exists on the system for *target-volser*.**

Explanation:
A swap type request was desired for this volume's migration but no UCB exists for the target volume.

System action:
TDMF execution is terminated.

User response:
Resubmit the job after ensuring the target volume is online.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDADDT

GTD1132S **For the communications dataset (SYSCOM), the device information does not match MASTER.**

Explanation:
For the communications dataset (SYSCOM), device information supplied by the MASTER system does not match that of the SYSCOM dataset that is being used by this slave.

System action:
TDMF execution is terminated.

User response:
Resubmit the job after ensuring the //SYSCOM DD statement is the same for all TDMF jobs in the TDMF session.

Detecting CSECT:
GTDVUCB

GTD1133S **A Private Area (above 16MB) obtain storage migration request failed.**

Explanation:
A request for private area virtual storage for use as an input buffer for VRNQ (refresh notification) records failed. The amount of virtual storage required for this buffer is the product of the number of Agent systems, the number of volumes to be migrated and the size of each record (currently 4KB).

System action:
TDMF execution is terminated.

User response:
Refer to the *IBM Transparent Data Migration Facility for z/OS Reference Guide* for estimating virtual storage requirements.

Detecting CSECT:
GTDINSE

GTD1134S **ICKDSF cannot be used in APPROVAL Mode.**

Explanation:
The ICKDSF Option is not supported when the APPROVAL Option has been specified for the session.

System action:
TDMF execution is terminated.

Programmer response:
Eliminate ICKDSF or APPROVAL from the SESSION Options.

Detecting CSECT:
GTDRMST

GTD1135I **Expected gigabytes remaining: *expected-GB*. Actual GB remaining: *actual-GB*.**

Explanation:
The number of Terabytes remaining in this limited quantity migration key is higher than TDMF expected.

System action:
Message GTD1136S is issued and the migration is terminated.

Detecting CSECT:
GTDINSE

GTD1136S **A Volume or Terabyte key appears to be invalid.**

Explanation:
The license key for this migration has a "quantity remaining" value that is higher than expected.

System action:
TDMF execution is terminated.

User response:
Obtain and install a new license key.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDINSE

GTD1137S **An ECSA (above 16MB) obtain storage migration request failed.**

Explanation:
An ECSA (above 16MB) obtain storage request for a WORK control block for a migration failed. The amount of storage requested is based upon the number of systems and the number of concurrent migrations requested.

System action:
TDMF execution is terminated.

User response:
Refer to the *IBM Transparent Data Migration Facility for z/OS Reference Guide* for estimating virtual storage requirements.

Detecting CSECT:
GTDADDT

GTD1138S **A pagefix real storage migration request failed.**

Explanation:
A pagefix real storage request for a WORK control block for a migration failed. The amount of storage required is based upon the number of systems and the number of concurrent migrations requested.

System action:
TDMF execution is terminated.

User response:

Refer to the *IBM Transparent Data Migration Facility for z/OS Reference Guide* for estimating real storage requirements.

Detecting CSECT:
GTDADDT

GTD1139S **Conflicting automatic and prompt options are requested in a single group.**

Explanation:
Both the automatic and the prompt options are being requested for different migration volumes in the single group TDMF session.

System action:
TDMF execution is terminated.

Detecting CSECT:
GTDADDT

GTD1140S **For a source volume, a read of the volume serial number from the disk failed.**

Explanation:
For a source volume of a migration request, a read of the volume serial number failed.

System action:
TDMF execution is terminated.

Detecting CSECT:
GTDCDDT

GTD1141S **Source volume (*src_vol*) serial number read from the disk (*dsk_vol*) does not match.**

Explanation:
For a source volume of a migration request, the volume serial number read from the disk does not match the volume serial number in the unit control block (UCB).

System action:
TDMF execution is terminated.

Detecting CSECT:
GTDCDDT

GTD1142S **For a target volume, a read of the volume serial number from the disk failed.**

Explanation:
For a target volume of a migration request, a read of the volume serial number failed.

System action:
TDMF execution is terminated.

Detecting CSECT:
GTDCDDT

GTD1143S **Target volume (*tgt_vol*) serial number read from the disk (*dsk_vol*) does not match.**

Explanation:
For a target volume of a migration request, the volume serial number read from the disk does not match the volume serial number in the unit control block (UCB).

System action:
TDMF execution is terminated.

Detecting CSECT:
GTDCDDT

GTD1144S **For a source volume, a Read Device Characteristics I/O operation failed.**

Explanation:
For a source volume of a migration request, a Read Device Characteristics I/O operation failed.

System action:
TDMF execution is terminated.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDCDDT

GTD1145S **For a target volume, a Read Device Characteristics I/O operation failed.**

Explanation:
For a target volume of a migration request, a Read Device Characteristics I/O operation failed.

System action:
TDMF execution is terminated.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDCDDT

GTD1146S **For a source volume, a Sense ID I/O operation failed.**

Explanation:
For a source volume of a migration request, a Sense ID I/O operation failed.

System action:
TDMF execution is terminated.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDCDDT

GTD1147S **For a target volume, a Sense ID I/O operation failed.**

Explanation:
For a target volume of a migration request, a Sense ID I/O operation failed.

System action:
TDMF execution is terminated.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDCDDT

GTD1148S **For a source volume, a Sense Subsystem Status I/O operation failed.**

Explanation:
For a source volume of a migration request, a Sense Subsystem Status I/O operation failed.

System action:
TDMF execution is terminated.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDCDDT

GTD1149S **For a volume migration request, the source volume (*source-volser*) is active with dual copy.**

Explanation:
The source volume is an active primary or secondary volume of a dual copy pair.

System action:
TDMF execution is terminated.

Detecting CSECT:
GTDCDDT

GTD1150S **For a target volume, a Sense Subsystem Status I/O operation failed.**

Explanation:
For a target volume of a migration request, a Sense Subsystem Status I/O operation failed.

System action:
TDMF execution is terminated.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDCDDT, GTDBDDT

GTD1151S **For a volume migration request, the target volume (*target-volser*) is active with dual copy.**

Explanation:
For a target volume migration request, the volume is either the primary or secondary volume of a duplexing or dual copy pair.

System action:
TDMF execution is terminated.

Detecting CSECT:
GTDCDDT

GTD1152S **For a source volume, a Read Configuration Data I/O operation failed.**

Explanation:
For a source volume of a migration request, a Read Configuration Data CCW request failed. If sense data is supplied indicating command reject, then this DASD device does not support extended count key data (ECKD) operations.

System action:
TDMF execution is terminated.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDCDDT

GTD1153S **For a target volume, a Read Configuration Data I/O operation failed.**

Explanation:
For a target volume of a migration request, a Read Configuration Data CCW request failed. If sense data is supplied indicating command reject, then this DASD device does not support extended count key data (ECKD) operations.

System action:
TDMF execution is terminated.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDCDDT

GTD1154S **For a source volume, Read Device Characteristics indicates Read Tracks invalid.**

Explanation:
For a source volume of a migration request, a Read Device Characteristics CCW indicates in its returned data that a Read The Read Tracks CCW is not supported. This function is required for the storage director.

System action:
TDMF execution is terminated.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDCDDT

GTD1155S **An enhanced Point-in-Time option was requested for a TCP/IP type migration.**

Explanation:
Either the "Offline Volume Access", or the "Perpetual Point-In-Time" option was requested for this volume. A remote volume copy was requested for this migration and the enhanced Point-In-Time options are not currently supported in this case.

System action:
TDMF terminates immediately.

Detecting CSECT:
GTDMSTR

GTD1156S **For a target volume, Read Device Characteristics indicates Read Tracks invalid.**

Explanation:
For a target volume of a migration request, a Read Device Characteristics CCW indicates in its returned data that a Read Tracks CCW is not supported.

System action:
TDMF execution is terminated.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDCDDT

GTD1157S **The source and target volumes requested for a migration are different dasd type.**

Explanation:
A compare of the source and target volumes shows them to be of different DASD types.

System action:
TDMF execution is terminated.

Detecting CSECT:
GTDCDDT

GTD1158W **Automatic ICKDSF execution will not be performed in APPROVAL mode.**

Explanation:
The ICKDSF Option is not supported when the APPROVAL Option has been specified for the session. The default was set to YES and therefore has been ignored for this migration.

System action:
This TDMF migration continues but ICKDSF is not performed automatically.

Detecting CSECT:
GTDRMST

GTD1159S **The device type for the source or target volume is not known to the TDMF system.**

Explanation:
The device type returned by the Read Device Characteristics CCW is not known to the TDMF system. The actual device type and volume size returned by the Read Device Characteristics CCW will be used.

System action:
This TDMF migration continues normally.

GTD1160S **For a source volume, a LSPACE SVC to obtain the VTOC extent information failed. UCBVTOC: *ucbvtoc-value*, LSPACE return code: *return-code*.**

Explanation
For a source volume of a migration request, a LSPACE SVC to obtain the VTOC extent information failed.

The message text contains the device's VTOC disk address, in the format TTR0, and the return code from the LSPACE macro.

System action:
TDMF execution is terminated.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDCDDT

GTD1161S **An ESQA (above 16MB) obtain storage request (SRB/IOSB control block) failed.**

Explanation:
A request to obtain virtual storage from the extended system queue area for use as an SRB/IOSB control block failed for a volume migration. The amount of storage required is based upon the number of systems and the number of concurrent migrations requested.

System action:
TDMF execution is terminated.

User response:
Refer to the *IBM Transparent Data Migration Facility for z/OS Reference Guide* for estimating virtual storage requirements.

Detecting CSECT:
GTDCDDT

GTD1162S **A HIGHVIRTUAL (above 2GB) storage request (CCW area) failed.**

Explanation
A request to obtain virtual storage from the high virtual private area for use as a TDMF CCW area failed for a volume migration.

The total amount of private area virtual storage allocated during Master system initialization depends on the number of volumes to be migrated, their size in cylinders, and the number of Agent systems.

System action:
TDMF execution is terminated.

User response:
Increase the MEMLIMIT size and resubmit the job. Refer to the *IBM Transparent Data Migration Facility for z/OS Reference Guide* for estimating virtual storage requirements.

Detecting CSECT:
GTDCDDT

GTD1163W **Logical Path Data does not fit in the I/O buffer. Total entries = *tot-lpaths*, read = *read-lpaths*.**

Explanation
The logical path entries defined in a control unit do not fit in the buffer allocated for volume I/O.

The private area virtual storage allocated for volume I/O will not accommodate the logical path information defined in the control unit. When UNIDENT(I) is specified, only the entries that fit in the default buffer are read.

System action:
TDMF execution continues.

User response:
No action necessary. When an UNIDENT value other than (I) is specified, the I/O buffer will be expanded to accommodate all the logical path data defined in the control unit.

Detecting CSECT:
GTDCDDT

GTD1164S **An EPVT (above 16MB) obtain storage migration request (CYL data) failed.**

Explanation
An EPVT (above 16MB) obtain storage request for a TDMF CYL data failed for a volume migration request.

The total amount of private area virtual storage allocated during Master system initialization depends on the number of volumes to be migrated, their size in cylinders, and the number of Agent systems.

System action:
TDMF execution is terminated.

User response:
Increase the region size or migrate fewer volumes in the session. Refer to the *IBM Transparent Data Migration Facility for z/OS Reference Guide* for estimating virtual storage requirements, but a good place to start for the Master job REGION parameter is two megabytes for each source volume.

Detecting CSECT:
GTDCDDT

GTD1165I **Logical Path Data exceeds the default I/O buffer. Total entries = *read-lpaths*.**

Explanation
The logical path entries defined in a control unit do not fit in the buffer allocated for volume I/O.

The default virtual storage allocated for volume I/O will not accommodate the logical path information defined in the control unit. The storage allocation has been expanded to fit all defined logical path entries. The amount of storage allocated is equal to the total entries multiplied by 16.

System action:
TDMF execution continues.

User response:
No action necessary.

Detecting CSECT:
GTDCDDT

GTD1166S **An EPVT (above 16MB) obtain storage migration request (TRK data) failed.**

Explanation
TDMF was unable to acquire 68KB of virtual storage in the extended private area for this volume.

The total amount of private area virtual storage allocated during Master system initialization depends on the number of volumes to be migrated, their size in cylinders, and the number of Agent systems.

System action:
TDMF execution is terminated.

User response:
Increase the region size and resubmit the job. Refer to the *IBM Transparent Data Migration Facility for z/OS Reference Guide* for estimating virtual storage requirements, but a good place to start for the Master job REGION parameter is two megabytes for each source volume.

Detecting CSECT:
GTDCDDT

GTD1167S **An EPVT (above 16MB) obtain storage request (Soft-Fence I/O area) failed.**

Explanation

A request for virtual storage in the extended private area for a TDMF Soft-Fence I/O area failed.

The TDMF interface routine to manage Soft-Fence requires 96 bytes which could not be obtained from the system. Because this storage request is made so early in the initialization phase, the message probably indicates a system or programming error.

System action:
TDMF execution is terminated.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDMAIN

GTD1168S **An ECSA (above 16MB) obtain storage migration request failed.**

Explanation:
An ECSA (above 16MB) obtain storage request for a VRBM area failed for a volume migration request. The amount of storage required is based upon the number and size of the migration volumes (number of primary cylinders).

System action:
TDMF execution is terminated.

User response:
Refer to the *IBM Transparent Data Migration Facility for z/OS Reference Guide* for estimating virtual storage requirements.

Detecting CSECT:
GTDCDDT

GTD1169I **FASTCOPY option suppressed for this volume.**

Explanation

The number of primary cylinders described by the Volume Table of Contents on the source volume is greater than the number of cylinders configured on the source device.

The FASTCOPY option was specified or defaulted for this volume, but it is being suppressed because the VTOC does not appear to be trustworthy; the entire volume will be copied.

System action:
Initialization continues.

User response:
See message GTD1185W.

Detecting CSECT:
GTDBDDT

GTD1170S **An EPVT (above 16MB) obtain storage migration request failed.**

Explanation

An attempt to obtain virtual storage, for a VRBM control block, failed. Storage for the VRBM block is requested from the extended private area.

The total amount of private area virtual storage allocated during Master system initialization depends on the number of volumes to be migrated, their size in cylinders, and the number of Agent systems.

System action:
TDMF execution is terminated.

User response:
Increase the region size and resubmit the job. Refer to the *IBM Transparent Data Migration Facility for z/OS Reference Guide* for estimating virtual storage requirements, but a good place to start for the Master job REGION parameter is two megabytes for each source volume.

Detecting CSECT:
GTDCDDT

GTD1171S **A pagefix real storage request failed for a volume migration.**

Explanation:
A pagefix real storage request for a VRBM area failed for a volume migration request. The amount of storage required is based upon the number of systems and the number of concurrent migrations requested.

System action:
TDMF execution is terminated.

User response:
Refer to the *IBM Transparent Data Migration Facility for z/OS Reference Guide* for estimating real storage requirements.

GTD1172S **An ECSA (above 16MB) obtain storage migration request failed.**

Explanation:
An ECSA (above 16MB) obtain storage request for a VMSG area failed for a volume migration request. The amount of storage required is based upon the number of systems and the number of concurrent migrations requested.

System action:
TDMF execution is terminated.

User response:
Refer to the *IBM Transparent Data Migration Facility for z/OS Reference Guide* for estimating virtual storage requirements.

Detecting CSECT:
GTDVUCB, GTDMSTR, GTDRMST

GTD1173I The ICKDSF program will not be invoked for this volume.

Explanation:
TDMF has detected that the source volume VTOC is in error (see the description for GTD1185W). Because of this, the ICKDSF program will not be invoked to recalculate the volume's free space.

System action:
TDMF initialization continues.

Detecting CSECT:
GTDBDDT

GTD1174S For a source volume, the device information does not match the MASTER source volume.

Explanation:
For a source volume of a migration request, the device information specified for the source volume does not match the physical device information specified by the Master.

System action:
TDMF execution is terminated.

Operator response:
Issue the z/OS operator command "DISPLAY U,VOL=*source-volser*" on both the Master and this Agent system, to determine on which device this volume is mounted. TDMF compares the data returned by the Read Device Characteristics (RDC) CCW for the volume on each system. To display this information, issue the operator command "DEVSERV QD,*source-device*,RDC".

Detecting CSECT:
GTDBDDT

GTD1175S For a target volume, the device information does not match the MASTER target volume.

Explanation:
For a target volume of a migration request, the device information specified for the target volume does not match the physical device information specified by the Master.

System action:
TDMF execution is terminated.

Operator response:
Issue the z/OS operator command "DISPLAY U,VOL=*target-volser*" on both the Master and this Agent system, to determine on which device this volume is mounted. TDMF compares the data returned by the Read Device Characteristics (RDC) CCW for the volume on each system. To display this information, issue the operator command "DEVSERV QD,*target-device*,RDC".

Detecting CSECT:
GTDBDDT

GTD1176I This TDMF session will treat all migration requests as a single group.

Explanation:
The option to treat all the volumes in a migration session as a single group has been requested. This was specified in the SESSION control statement using OPTion(SINGLEgroup).

System action:
TDMF continues normally.

Operator response:
Issue the z/OS operator command "DISPLAY U,VOL=*duplex-volser*" on both the Master and this Agent system, to determine on which device this volume is mounted. TDMF compares the data returned by the Read Device Characteristics (RDC) CCW for the volume on each system. To display this information, issue the operator command "DEVSERV QD,*duplex-device*,RDC".

Detecting CSECT:
GTDBDDT

GTD1177I The source volume *source-volser* is mounted on device *device-number* on this system.

Explanation:
At TDMF initialization, the source volume is mounted on device number *device-number* on this system.

System action:
TDMF continues normally.

Detecting CSECT:
GTDVUCB

GTD1178W The value specified for the volume sync time is too low, a default will be used.

Explanation:
The value specified for the synchronization time for the volume is than five seconds and the default of five seconds will be used.

System action:
Volume migration initialization continues.

User response:
To specify a synchronization goal that is greater than five seconds use the OPT(SYNCgoal(nnn)) parameter on the SESSION, GROUP or MIGRATE statement. Omit this option to set a goal of five seconds.

Detecting CSECT:

GTDBDDT

GTD1179I The value specified for the volume sync time allows synchronization ASAP.

Explanation:
The value specified for the synchronization time for the volume will allow synchronization to begin as soon as possible after the first volume refresh completes. The parameter was specified as OPT(SYNCgoal(999)).

Detecting CSECT:
GTDBDDT

GTD1180I At TDMF initialization, caching is not active on the source volume subsystem.

Explanation:
At TDMF initialization, the Sense Subsystem Status channel command indicates for the source volume's subsystem, that caching is not active for the subsystem.

System action:
TDMF continues normally.

Detecting CSECT:
GTDBDDT

GTD1181I At TDMF initialization, cache fast write (CFW) is not active for the director.

Explanation:
At TDMF initialization, the Sense Subsystem Status channel command indicates for the source volume's storage director, that Cache Fast Write is not active.

System action:
TDMF continues normally.

Detecting CSECT:
GTDBDDT

GTD1182I At TDMF initialization, the source volume has caching (CFW) activated.

Explanation:
At TDMF initialization, the Sense Subsystem Status channel command indicates for the source volume that caching is activated. This is Cache Fast Write (CFW) at the device level.

System action:
TDMF continues normally.

Detecting CSECT:
GTDBDDT

GTD1183I At TDMF initialization, the source volume has caching (CFW) deactivated.

Explanation:
At TDMF initialization, the Sense Subsystem Status channel command indicates for the source volume that caching is deactivated. This is Cache Fast Write (CFW) at the device level.

System action:
TDMF continues normally.

Detecting CSECT:
GTDBDDT

GTD1184I At TDMF initialization, the source volume has dasd fast write allowed.

Explanation:
At TDMF initialization, the Sense Subsystem Status channel command indicates for the source volume that DASD Fast Write is allowed.

System action:
TDMF continues normally.

Detecting CSECT:
GTDBDDT

GTD1185W The Volume Table of Contents (VTOC) does not match the source device.

Explanation:
This source volume's VTOC describes the volume as having more primary cylinders than are configured on the source device. Because the VTOC is obviously suspect, TDMF will suppress the FASTCOPY and automatic ICKDSF migration options for the volume if they had been defaulted or specified. This warning indication can be suppressed by using the NOWARNING(1185) option on the SESSION control statement.

System action:
TDMF initialization continues.

User response:
Before submitting additional migration sessions, execute the GTDVTOC program to find other volumes with this problem. Carefully analyze the VTOC records and use AMASPZAP to correct the DS4DSCYL (or DS4DCYL) field, if the VTOC is known to accurately describe the allocated dataset extents on the volume.

Detecting CSECT:
GTDBDDT

GTD1186I The target volume *target-volser* is mounted on device *device-number* on this system.

Explanation:
At TDMF initialization, the target volume is mounted on device *device-number* on this system.

System action:

TDMF continues normally.

Detecting CSECT:
GTDVUCB

GTD1187I **At TDMF initialization, caching is not active on the target volume subsystem.**

Explanation:
At TDMF initialization, the Sense Subsystem Status channel command indicates for the target volume's subsystem, that caching is not active for the subsystem.

System action:
TDMF continues normally.

Detecting CSECT:
GTDBDDT

GTD1188I **At TDMF initialization, cache fast write (CFW) is not active for the director.**

Explanation:
At TDMF initialization, the Sense Subsystem Status channel command indicates for the target volume's storage director, that Cache Fast Write is not active.

System action:
TDMF continues normally.

Detecting CSECT:
GTDBDDT

GTD1189I **At TDMF initialization, the target volume has caching (CFW) activated.**

Explanation:
At TDMF initialization, the Sense Subsystem Status channel command indicates for the target volume that caching is activated. This is Cache Fast Write (CFW) at the device level.

System action:
TDMF continues normally.

Detecting CSECT:
GTDBDDT

GTD1190I **At TDMF initialization, the target volume has caching (CFW) deactivated.**

Explanation:
At TDMF initialization, the Sense Subsystem Status channel command indicates for the target volume that caching is deactivated. This is Cache Fast Write (CFW) at the device level.

System action:
TDMF continues normally.

Detecting CSECT:
GTDBDDT

GTD1192I **At TDMF initialization, the target volume has dasd fast write deactivated.**

Explanation:
At TDMF initialization, the Sense Subsystem Status channel command indicates for the target volume that DASD Fast Write is deactivated.

System action:
TDMF continues normally.

Detecting CSECT:
GTDBDDT

GTD1193S **The UCB common extension for a source volume could not be located.**

Explanation:
For a migration request, the UCB common extension could not be located in memory for the source volume.

System action:
TDMF execution is terminated.

Detecting CSECT:
GTDADDT

GTD1194S **The UCB common extension for a target volume could not be located.**

Explanation:
For a migration request, the UCB common extension could not be located in memory for the target volume.

System action:
TDMF execution is terminated.

Detecting CSECT:
GTDADDT

GTD1195S **During system initialization, a device dependent table (DDT) SIO exit is zero.**

Explanation:
The MVS Unit Control Block has an address of a device dependent table (DDT) containing a zero address for the device dependent SIO exit.

System action:
This volume's migration is terminated.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDBDDT

GTD1196S **The System Data Mover session for one or more XRC source volumes was not found.**

Explanation:
A volume in the migration session is being migrated to a target volume that will use the same XRC secondary device after the swap. In order to modify the XRC session to achieve this, there must be the TDMF Master system or one of its Agents must have been started on the LPAR where the System Data Mover for the volume's XRC session is active.

System action:
TDMF execution is terminated.

User response:
Look for GTD2050E messages in the Master job output or in the SYSCOM dataset; there will be one of these messages for every volume manage by a System Data Mover on an LPAR that is not participating in the TDMF session. Reconfigure the TDMF session so there is an Agent system on every SDM LPAR.

Detecting CSECT:
GTDXVOL

GTD1197S The GTDMAIN program has detected an abend that is considered recoverable.

Explanation:
GTDMAIN has detected a recoverable error. Although MVS has indicated to TDMF that this abend is considered recoverable, the TDMF recovery procedure considers all abends as unrecoverable.

System action:
TDMF execution is terminated.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDTERM

GTD1198S The GTDMAIN program has detected an abend that is considered unrecoverable.

Explanation:
GTDMAIN has detected an unrecoverable error.

System action:
TDMF execution is terminated.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDTERM

GTD1199W For a TDMF system request, a SCOPE=SYSTEM TDMF*xxxx*/DSN DEQ request failed.

Explanation:
The TDMF system issued a SCOPE=SYSTEM DEQ request for a resource major name of TDMF*xxxx* and a minor name of the Communications Dataset name, where "*xxxx*" is the address of a TDMF control block. The DEQ request was not successful.

System action:
TDMF continues.

Detecting CSECT:
GTDTERM

GTD1200S For termination clean-up, the update of the SYSCOM dataset failed, invalid parm.

Explanation:
TDMF is updating the communications dataset during termination clean-up. The I/O failed due to an invalid function or parameter.

System action:
TDMF execution is terminated.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDTERM

GTD1201S For termination clean-up, the update of the SYSCOM dataset failed, CCW build.

Explanation:
TDMF is updating the communications dataset during termination clean-up. The I/O failed due to an error in the CCW build routine.

System action:
TDMF execution is terminated.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDTERM

GTD1202S For termination clean-up, the update of the SYSCOM dataset failed, I/O error.

Explanation:
TDMF is updating the communications dataset during termination clean-up. The I/O failed due to an I/O error returned by GTDSIO.

System action:
TDMF execution is terminated.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDTERM

GTD1203S For termination clean-up, the update of the SYSCOM dataset failed, abend.

Explanation:
TDMF is updating the communications dataset during termination clean-up. The I/O failed due to an abend in GTDSIO.

System action:
TDMF execution is terminated.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDTERM

GTD1204S For termination clean-up, the update of the SYSCOM VMSG failed, invalid parm.

Explanation:
TDMF is updating the communications dataset during termination clean-up. The I/O failed due to an invalid function or parameter.

System action:
TDMF execution is terminated.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDTERM

GTD1205S For termination clean-up, the update of the SYSCOM VMSG failed, CCW build.

Explanation:
TDMF is updating the communications VMSG data during termination clean-up. The I/O failed due to an error in the CCW build routine.

System action:
TDMF execution is terminated.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDTERM

GTD1206S For termination clean-up, the update of the SYSCOM VMSG failed, I/O error.

Explanation:
TDMF is updating the communications VMSG data during termination clean-up. The update failed due to an I/O error returned by GTDSIO.

System action:
TDMF execution is terminated.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDTERM

GTD1207S For termination clean-up, the update of the SYSCOM VMSG failed, abend.

Explanation:
TDMF is updating the communications VMSG data during termination clean-up. The I/O failed due to an abend in GTDSIO.

System action:
TDMF execution is terminated.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDTERM

GTD1208S During TDMF termination, the read of the SYSCOM failed, invalid parm.

Explanation:
TDMF is attempting to read the communications dataset during volume processing and the I/O failed due to an invalid function or parameter.

System action:
TDMF execution is terminated.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDTERM

GTD1209S During TDMF termination, the read of the SYSCOM failed, CCW build.

Explanation:
TDMF is attempting to read the communications dataset during volume processing and the I/O failed due to an error in the CCW build routine.

System action:
TDMF execution is terminated.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDTERM

GTD1210S During TDMF termination, the read of the SYSCOM failed, I/O error.

Explanation:
TDMF is attempting to read the communications dataset during volume processing and the read failed due to an I/O error returned from GTDSIO.

System action:
TDMF execution is terminated.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDTERM

GTD1211S During TDMF termination, the read of the SYSCOM failed, abend.

Explanation:
TDMF is attempting to read the communications dataset during volume processing and the I/O failed due to an abend in GTDSIO.

System action:
TDMF execution is terminated.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDTERM

GTD1212S During TDMF termination, the read of the SYSCOM VMSG failed, invalid parm.

Explanation:
TDMF is attempting to read the communications VMSG data during volume processing and the I/O failed due to an invalid function or parameter.

System action:
TDMF execution is terminated.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDTERM

GTD1213S During TDMF termination, the read of the SYSCOM VMSG failed, CCW build.

Explanation:
TDMF is attempting to read the communications VMSG data during volume processing and the I/O failed due to an error in the CCW build routine.

System action:
TDMF execution is terminated.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDTERM

GTD1214S During TDMF termination, the read of the SYSCOM VMSG failed, I/O error.

Explanation:
TDMF is attempting to read the communications VMSG data during volume processing and the I/O failed due to an I/O error returned from GTDSIO.

System action:
TDMF execution is terminated.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDTERM

GTD1215S During TDMF termination, the read of the SYSCOM VMSG failed, abend.

Explanation:
TDMF is attempting to read the communications VMSG data during volume processing and the I/O failed due to an abend in GTDSIO.

System action:
TDMF execution is terminated.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDTERM

GTD1216S The GTDTERM program has detected an abend that is considered recoverable.

Explanation:
GTDTERM has detected a recoverable error. Although MVS has indicated to TDMF that this abend is considered recoverable, the TDMF recovery procedure considers all abends as unrecoverable.

System action:
TDMF execution is terminated.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDTERM

GTD1217S The GTDTERM program has detected an abend that is considered unrecoverable.

Explanation:
GTDTERM has detected an unrecoverable error.

System action:
TDMF execution is terminated.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDTERM

GTD1219W For the communications dataset (SYSCOM), a DEQ request failed.

Explanation:
For the communications dataset (SYSCOM), a DEQ request failed. The major name is TDMFRESV, the minor name is the Communications Dataset name and the SYSCOM UCB address was specified.

System action:
TDMF termination continues.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDTERM

GTD1221W **During TDMF termination, a release of virtual storage page(s) occurred.**

Explanation:
A failure occurred while releasing page(s) of virtual storage during TDMF termination.

System action:
TDMF termination continues.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDTERM

GTD1222W **For a source volume migration request, a UNPIN request of the UCB failed.**

Explanation:
For a source volume migration request, a UNPIN request of the UCB failed.

System action:
TDMF termination continues.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDTERM

GTD1223W **For a target volume migration request, a UNPIN request of the UCB failed.**

Explanation:
For a target volume migration request, a UNPIN request of the UCB failed.

System action:
TDMF termination continues.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDTERM

GTD1224W **The VMSG control block is full for this volume migration.**

Explanation:
The VMSG control block is full for this volume's migration and cannot hold any more messages.

System action:
TDMF volume migration continues with no additional messages being received for this volume.

GTD1225W **The SMSG control block is full for this system.**

Explanation:
The SMSG control block is full and cannot hold any more messages.

System action:
All TDMF migrations continue normally.

GTD1226S **An ECSA (above 16MB) obtain storage migration request failed storage key check.**

Explanation:
An ECSA (above 16MB) obtain storage request for a TSOM area failed the storage key check. The storage was asked for in key eight in subpool 241 for the TDMF TSO Monitor interface control block but the key of the storage subpool obtained was not key eight.

System action:
TDMF execution is terminated.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDINIT

GTD1228S **A subsystem function request to validate the target device by JES3 failed.**

Explanation:
TDMF issued a JES3 Subsystem Request to validate the target device before continuing with initialization of a swap migration. The source device appears to be a JES3 system managed device, requiring the target device to be offline to JES3 prior to the migration process. JES3 returned a non-zero return code.

System action:
TDMF execution is terminated.

Programmer response:
Contact technical support for assistance.

Problem determination

Verify the following conditions:

The target volume is not offline to JES3.

The devices involved in the migration are not of the same JES3 type as defined in the SETNAME and DEVICE statements. The XTYPE name which determines the device type in the JES3 SETUNITS table must be the same for the source and target volume for the migration request.

Detecting CSECT:
GTDBDDT

GTD1229S **The number of systems times the number of volumes exceeds the maximum of 2048.**

Explanation:
The number of systems times the number of volumes being migrated exceeds the limit of 2048 for this version of TDMF.

System action:
TDMF execution is terminated.

User response:
Decrease the number of volumes being migrated in this TDMF session.

Detecting CSECT:
GTDMSTR

GTD1230S **Both volumes of a swap migration must be either dynamic or installation static.**

Explanation:
For a swap type migration, both the source and target volumes must be located on UCBs that are either dynamic UCBs or installation static UCBs for proper operation.

System action:
TDMF execution is terminated.

Programmer response:
Correct the Hardware Configuration Definition (HCD) for the volumes involved.

Detecting CSECT:
GTDVUCB

GTD1231S **For source volume *source-volser*, a Read Subsystem Data I/O operation failed.**

Explanation:
For a source volume of a migration request, a Read Subsystem Data I/O operation failed. Note that the RSD I/O request is only performed if an ANTRQST macro failed to return the PPRC status for a volume, so the SYSLOG and job log should be checked for System Data Mover error messages.

System action:
TDMF execution is terminated.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDBDDT

GTD1232W **EXTVTOC(nn,FORCE) option not supported on this *system-level* system.**

Explanation:
The EXTVTOC option with the FORCE parameter is in effect for this source volume, but the MVS system is not at the required minimum level (z/OS V1R6).

System action:
Initialization continues, but TDMF will not attempt to move dataset extents away from the tracks that would be earmarked for VTOC expansion.

User response:
Remove the FORCE parameter from the EXTVTOC option specification. The GTDEXTV program can be used to identify the datasets that must be relocated to facilitate a VTOC expansion request. Unless the TDMF Master system is executed on a system at or above the minimum z/OS level for the FORCE option, these datasets must be manually removed from the source volume before restarting the migration.

Detecting CSECT:
GTDCDDT

GTD1233S **Migration to this target device could degrade the Disaster Recovery environment: *source-status/target-status*.**

Explanation

The target device does not support the Disaster Recovery methodology that appears to be active on the source volume. In other words, the customer is attempting to perform a swap migration to a target volume whose characteristics could inadvertently destroy the disaster recovery environment.

The message indicates which remote mirroring facility is active on the source and target volumes:

00 Volume is simplex.
01 Volume uses EMC SRDF.
02 Volume uses EMC SRDF with Consistency Group synchronization.
03 Volume uses HDS TrueCopy.
04 Volume uses PPRC.
05 Volume uses XRC.
06 Volume uses SRDF adaptive copy.
07 Volume uses PPRC and XRC (Metro z/OS Global Mirror) or HDS TrueCopy or HDS TrueCopy and HDS Universal Replicator.
08 Volume uses Multi-target PPRC (MTPPRC).

System action:
TDMF execution is terminated.

User response:
Refer to the *IBM Transparent Data Migration Facility for z/OS Reference Guide*, sections "EMC SRDF", "PPRC", and "HDS TrueCopy" for the valid combinations of the source and target volumes supported by TDMF.

Programmer response:

Contact technical support for additional information.

Detecting CSECT:
GTDBDDT

GTD1234S The load of a TDMF module into the extended private area failed.

Explanation:
An attempt to load a TDMF module into the extended private area failed.

System action:
TDMF execution is terminated.

User response:
Refer to the *IBM Transparent Data Migration Facility for z/OS Reference Guide* for estimating virtual storage requirements.

GTD1235S During system processing, the update of the SYSCOM failed, invalid parm.

Explanation:
TDMF is trying to update the communications dataset during system processing and the I/O failed due to an invalid function or parameter.

System action:
TDMF execution is terminated.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDMAIN

GTD1236S During system processing, the update of the SYSCOM failed, CCW build.

Explanation:
TDMF is trying to update the communications dataset during system processing and the I/O failed due to an error in the CCW build routine.

System action:
TDMF execution is terminated.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDMAIN

GTD1237S During system processing, the update of the SYSCOM failed, I/O error.

Explanation:
TDMF is trying to update the communications dataset during system processing and the I/O failed due to an I/O error returned from GTDSIO.

System action:
TDMF execution is terminated.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDMAIN

GTD1238S During system processing, the update of the SYSCOM failed, abend.

Explanation:
TDMF is trying to update the communications dataset during system processing and the I/O failed due to an abend in GTDSIO.

System action:
TDMF execution is terminated.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDMAIN

GTD1239I At TDMF initialization, source volume *source-volser* is active as a primary PPRC volume.

Explanation:
At TDMF initialization, the source volume is a primary volume in an active peer-to-peer remote copy (PPRC) session.

System action:
TDMF execution continues.

Detecting CSECT:
GTDBDDT

GTD1240I At TDMF initialization, target volume *target-volser* is active as a primary PPRC volume.

Explanation:
At TDMF initialization, the target volume is a primary volume in an active peer-to-peer remote copy (PPRC) session.

System action:
TDMF execution continues.

Detecting CSECT:
GTDBDDT

GTD1241S During system processing, the update of the SYSCOM WORK failed, invalid parm.

Explanation:
TDMF is trying to update the communications dataset during system processing and the I/O failed due to an invalid function or parameter.

System action:
TDMF execution is terminated.

Programmer response:

Contact technical support for assistance.

Detecting CSECT:
GTDMAIN

GTD1242S During system processing, the update of the SYSCOM WORK failed, CCW build.

Explanation:
TDMF is trying to update the communications dataset during system processing and the I/O failed due to an error in the CCW build routine.

System action:
TDMF execution is terminated.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDMAIN

GTD1243S During system processing, the update of the SYSCOM WORK failed, I/O error.

Explanation:
TDMF is trying to update the communications dataset during system processing and the update failed due to an I/O error returned from GTDSIO.

System action:
TDMF execution is terminated.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDMAIN

GTD1244S During system processing, the update of the SYSCOM WORK failed, abend.

Explanation:
TDMF is trying to update the communications dataset during system processing and the update failed due to an abend in GTDSIO.

System action:
TDMF execution is terminated.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDMAIN

GTD1245S During system processing, the read of the SYSCOM WORK failed, invalid parm.

Explanation:
TDMF is attempting to read the communications dataset during system processing and the I/O failed due to an invalid function or parameter.

System action:
TDMF execution is terminated.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDADDT

GTD1246S During system processing, the read of the SYSCOM WORK failed, CCW build.

Explanation:
TDMF is attempting to read the communications dataset during system processing and the I/O failed due to an error in the CCW build routine.

System action:
TDMF execution is terminated.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDADDT

GTD1247S During system processing, the read of the SYSCOM WORK failed, I/O error.

Explanation:
TDMF is attempting to read the communications dataset during system processing and the I/O failed due to an I/O error returned from GTDSIO.

System action:
TDMF execution is terminated.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDADDT

GTD1248S During system processing, the read of the SYSCOM WORK failed, abend.

Explanation:
TDMF is attempting to read the communications dataset during system processing and the I/O failed due to an abend in GTDSIO.

System action:
TDMF execution is terminated.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDADDT

GTD1249I This session is terminating as requested by the RECOVER parameter.

Explanation:
The session terminates because the RECOVER parameter has been specified.

System action:
The session terminates.

Detecting CSECT:
GTDDDDT

GTD1250S This session is terminating due to a UCB repair action performed or required.

Explanation:
At TDMF system initialization, it has been determined that the migration volume's UCB DDT information appears to be invalid. Additionally, either information to repair the UCB is not usable (mismatch, meaning that the UCB has not been dynamically repaired), or that the UCB information was repaired dynamically by TDMF initialization and the session had been terminated.

System action:
The session proceeds as if the RECOVER parameter had been specified (terminates).

Detecting CSECT:
GTDDDDT

GTD1251S At TDMF initialization, the source volume UCB has NOT been dynamically restored.

Explanation:
At TDMF initialization, it has been determined for the source volume that its UCB DDT information appears to be invalid, but that the information to repair the UCB does not match correctly and therefore the UCB has not been repaired dynamically and this TDMF migration session has been terminated.

System action:
TDMF execution is terminated.

Programmer response:
Execute the GTDCLUP utility to search for and repair damaged UCBs.

Problem determination:
This indicates that a previous TDMF session had previously ended and the source UCB was not properly cleaned up.

Detecting CSECT:
GTDDDDT

GTD1252S At TDMF initialization, the target volume UCB has NOT been dynamically restored.

Explanation:
At TDMF initialization, it has been determined for the target volume that its UCB DDT information appears to be invalid, but that the information to repair the UCB does not match correctly and therefore the UCB has not been repaired dynamically and this TDMF migration session has been terminated.

System action:
TDMF execution is terminated.

Programmer response:
Execute the GTDCLUP utility to search for and repair damaged UCBs.

Problem determination:
This indicates that a previous TDMF session had previously ended and the target UCB was not properly cleaned up.

Detecting CSECT:
GTDDDDT

GTD1253S At TDMF initialization, the source volume UCB has been dynamically restored.

Explanation:
At TDMF initialization, the source volume has been repaired dynamically and this TDMF migration session has been terminated.

System action:
TDMF execution is terminated.

Problem determination:
This indicates that when a previous TDMF session had ended the source volume's UCB was not properly cleaned up.

Detecting CSECT:
GTDDDDT

GTD1254S At TDMF initialization, the target volume UCB has been dynamically restored.

Explanation:
At TDMF initialization, the target volume has been repaired dynamically and this TDMF migration session has been terminated.

System action:
TDMF execution is terminated.

Problem determination:
This indicates that when a previous TDMF session had ended the target volume's UCB was not properly cleaned up.

Detecting CSECT:
GTDDDDT

GTD1255S A RESERVE was requested for the CDS in GTDMAIN but a RESERVE is already held.

Explanation:

A call was made to the RESERVE_COM routine but the Communications Dataset is already reserved.

System action:
TDMF execution is terminated.

GTD1256E During TDMF termination, the read of the SYSCOM WORK failed, invalid parm.

Explanation:
TDMF is attempting to read the communications WORK data during volume termination processing and the I/O failed due to an invalid function or parameter.

System action:
TDMF execution is terminated.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDTERM

GTD1257E During TDMF termination, the read of the SYSCOM WORK failed, CCW build.

Explanation:
TDMF is attempting to read the communications WORK data during volume termination processing and the I/O failed due to an error in the CCW build routine.

System action:
TDMF termination processing continues.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDTERM

GTD1258E During TDMF termination, the read of the SYSCOM WORK failed, I/O error.

Explanation:
TDMF is attempting to read the communications WORK data during volume termination processing and the I/O failed due to an I/O error returned from GTDSIO.

System action:
TDMF termination processing continues.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDTERM

GTD1259E During TDMF termination, the read of the SYSCOM WORK failed, abend.

Explanation:
TDMF is attempting to read the communications WORK data during volume termination processing and the I/O failed due to an abend in GTDSIO.

System action:
TDMF termination processing continues.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDTERM

GTD1260S The ALLOWMIRRORCHANGE(ACK) option must be specified for this volume migration.

Explanation:
This migration will remove the source volume from its current mirrored status. The customer must confirm, by using the "Allow" command in the TSO or Batch Monitor, that the volume's current disaster recovery status is no longer required. The "NOACK" parameter is not permitted on the ALLOWMirrorchange option for this volume migration.

System action:
TDMF execution is terminated.

User response:
Correct the options for this volume and resubmit the TDMF Master job.

Detecting CSECT:
GTDBDDT

GTD1261W The ALLOWMIRRORCHANGE(NOACK) option has been changed for this volume migration.

Explanation:
This migration will remove the source volume from its current mirrored status and the user has requested that TDMF should initiate and perform this migration without further manual intervention, by specifying the "ALLOWM(NOACK)" option. However, in the situation where a volume is being migrated out of a valid disaster recovery environment to a non-mirrored device, the customer MUST confirm that this volume no longer requires its current disaster recovery status. For this reason, the "NOACK" parameter has been suppressed for this volume.

System action:
The volume will not be selected for migration until the "Allow" command is submitted using the TSO or Batch Monitor.

Detecting CSECT:
GTDBDDT

GTD1262S A Private Area (above 16MB) storage request failed.

Explanation:
TDMF is attempting to allocate virtual storage for migration control blocks. The request for MSE/MSE/MSVE storage was unsuccessful.

System action:
TDMF initialization is abandoned.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDMAIN

GTD1263S A Private Area (above 16MB) storage request failed.

Explanation:
TDMF is attempting to allocate virtual storage for migration control blocks. The request for MSC/CMAP storage was unsuccessful.

System action:
TDMF initialization is abandoned.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDMAIN

GTD1264S A Common Area (above 16MB) storage request failed.

Explanation:
TDMF is attempting to allocate virtual storage for migration control blocks. The request for MSE/MSV/MSVE storage was unsuccessful.

System action:
TDMF initialization is abandoned.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDSLAV

GTD1265S Space required in Communications Dataset exceeds 256 cylinders.

Explanation:
TDMF is assigning space in the Communications Dataset for WORK and VMSG records, but for at least one Agent system these control blocks would need to be written more than 256 cylinders into the dataset. Because TDMF uses record addresses incorporating an eight bit cylinder number, the location being assigned is invalid.

System action:
TDMF initialization is abandoned.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDSLAV

GTD1266S Master system aborted initialization.

Explanation:
This Agent system has detected that the Master system encountered an error after the Communications Dataset had been initialized.

System action:
TDMF Agent system initialization is abandoned.

User response:
Respond to the accompanying severe error message on the Master system.

Detecting CSECT:
GTDSLAV

GTD1267W The ALLOWMIRRORCHANGE(NOACK) option has been allowed for this volume migration.

Explanation:
This migration will remove the source volume from its current mirrored status and the user has requested that TDMF should initiate and perform this migration without further manual intervention, by specifying the "ALLOWM(NOACK)" option.

System action:
TDMF initialization continues.

Detecting CSECT:
GTDBDDT

GTD1268S The System Data Mover session for one or more XRC source volumes was found on an agent system.

Explanation:
A volume in the migration session is being migrated to a target volume that will use the same XRC secondary device after the swap. In order to modify the XRC session to achieve this, there must be the TDMF Master system and the System Data Mover active on the same LPAR.

System action:
TDMF execution is terminated.

User response:
This support for the System Data Mover support on a agent, either a local or remote is under development and is not currently supported.

Detecting CSECT:
GTDBDDT

GTD1270S EXTVTOC(nn,FORCE) option not supported on this *system-level* system.

Explanation:

The EXTVTOC option with the FORCE and UNCONDITIONAL parameters is in effect for this source volume, but the MVS system is not at the required minimum level (z/OS V1R6).

System action:
TDMF execution is terminated.

User response:
Remove the FORCE parameter from the TDMF control statements. The GTDEXTV program can be used to identify the datasets that must be relocated to facilitate a VTOC expansion request. Unless the TDMF Master system is executed on a system at or above the minimum z/OS level for the FORCE option, these datasets must be manually removed from the source volume before restarting the migration.

Detecting CSECT:
GTDCDDT

GTD1271S At TDMF initialization, the duplex volume UCB has NOT been dynamically restored.

Explanation:
At TDMF initialization, it has been determined for the duplex target volume that its UCB DDT information appears to be invalid, but that the information to repair the UCB does not match correctly and therefore the UCB has not been repaired dynamically and this TDMF migration session has been terminated.

System action:
TDMF execution is terminated.

Programmer response:
Execute the GTDCLUP utility to search for and repair damaged UCBs.

Problem determination:
This indicates that a previous TDMF session had previously ended and the duplex target UCB was not properly cleaned up.

Detecting CSECT:
GTDDDDT

GTD1272S At TDMF initialization, the duplex volume UCB has been dynamically restored.

Explanation:
At TDMF initialization, the duplex target volume has been repaired dynamically and this TDMF migration session has been terminated.

System action:
TDMF execution is terminated.

Problem determination:
This indicates that when a previous TDMF session had ended the duplex target volume's UCB was not properly cleaned up.

Detecting CSECT:
GTDDDDT

GTD1276I The installation option to check that migration target volumes are empty is set.

Explanation:
The user specified in the SYSOPTN installation job that TDMF should check the Volume Table of Contents (VTOC) of every target volume before starting a migration to it. The session will be abandoned if a migration target volume is specified which contains any dataset other than a VTOC index or Volume VSAM dataset (VVDS).

System action:
TDMF initialization continues.

Detecting CSECT:
GTDMSTR, GTDRMST

GTD1277I The installation option to use the reverse pacing technique is set.

Explanation:
The user specified in the SYSOPTN installation job that volume migrations with the pacing option selected should use the reverse pacing technique instead of normal pacing. Normal pacing paces from high to low, while reverse pacing paces from low to high. Thus, while normal pacing starts with 15 tracks and paces downward to 1 track, reverse pacing starts with 1 track and paces upward to 15 tracks.

System action:
TDMF initialization continues.

Detecting CSECT:
GTDMSTR, GTDRMST

GTD1278I The installation option to count volumes active only in their copy phase is set.

Explanation:
The user requested in the SYSOPTN installation job that volumes being refreshed should NOT be counted as active when TDMF must determine whether activation of an additional volume would cause the number of active volumes to exceed the user-specified limit of concurrently active volumes for this migration.

System action:
TDMF initialization continues.

Detecting CSECT:
GTDMSTR, GTDRMST

GTD1279I The installation option to call ICKDSF for VTOC and index maintenance is set.

Explanation:

The user requested in the SYSOPTN installation job that ICKDSF should be invoked after a swap migration if device related fields in the migrated VTOC do not match the characteristics of the target device.

System action:
TDMF initialization continues.

Detecting CSECT:
GTDMSTR, GTDRMST

GTD1280I The installation option to monitor XRC migration sessions is set.

Explanation:
The user specified in the SYSOPTN installation job that TDMF should check for volumes active in Extended Remote Copy (XRC) sessions. With this option set, and using the ANTRQST XQUERY function, TDMF can determine whether a volume that is active in an XRC session is the primary volume and is thus eligible to be a TDMF Point-In-Time source volume.

System action:
TDMF initialization continues.

Detecting CSECT:
GTDMSTR, GTDRMST

GTD1281S A GQSCAN macro was unsuccessful. Return code: *return-code*, reason code: *reason-code*.

Explanation:
TDMF is attempting to determine whether the TDMFRESV reserve request for serialization of Communication Dataset updates is being converted by GRS to a global ENQ request. A GQSCAN macro was issued to extract the resource information from the GRS address space, but a non-zero return code was set.

System action:
TDMF terminates the migration session.

Programmer response:
Contact technical support for assistance.

Problem determination:
The message contains the hexadecimal return (R15) and reason (R0) codes from the GQSCAN macro.

Detecting CSECT:
GTDSLAV

GTD1282S The TDMFRESV resource was not found by GQSCAN.

Explanation:
TDMF is attempting to determine whether the TDMFRESV reserve request for serialization of Communication Dataset updates is being converted by GRS to a global ENQ request. The TDMFRESV resource that is owned by this TDMF job was not found in the Resource Information Block Extents (RIBE) returned by the GQSCAN macro. Probable program error.

System action:
TDMF terminates the migration session.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDSLAV

GTD1283S Communications Dataset GRS configuration error.

Explanation:
On this TDMF Agent system the TDMFRESV RESERVE request is being converted to a Global ENQ by Global Resource Serialization (GRS), but the Master and Agent systems do not appear to be part of the same GRS complex.

System action:
TDMF terminates the migration session.

Programmer response:
Consider adding TDMFRESV to the SYSTEMS exclusion RNL in all the GRS complexes that are participating in the migration. Contact technical support for assistance.

Detecting CSECT:
GTDSLAV

GTD1284S Communications Dataset RESERVE error.

Explanation:
A reserve of the TDMFRESV resource for Communications Dataset serialization does not result in a physical device reserve. This situation is acceptable in a pure GRS (Global Resource Serialization) or CA-MIM/GDIF (Global Dataset Integrity Facility) configuration, but in this case TDMF has detected the presence of non-standard ENQ/DEQ/Reserve processing.

System action:
TDMF terminates the migration session.

Programmer response:
Ensure that the TDMFRESV resource will not be converted to an ENQ. Resubmit the migration job(s).

Detecting CSECT:
GTDSLAV

GTD1285S Communications Dataset CA-MIM configuration error.

Explanation:
On this TDMF Agent system the Unicenter(R) Global Data Integrity Facility (GDIF) is active and the RESERVE request for the TDMFRESV resource did not result in a physical device reserve. For this to be

acceptable to TDMF, the Agent system must be part of the same MIMplex as the Master system (the SYSTEMS scope ENQ for TDMFMSTR/dataset_name must be propagated from the Master system to this Agent) and the RESERVE request must also be converted on the Master system.

System action:
TDMF terminates the migration session.

Programmer response:
Specify "GDIF=NO" for the TDMFRESV resource in the MIMQNAME member for all the systems participating in the migration. Use the DELQNAME or ALTER commands to prevent conversion of the RESERVE to a global ENQ. Contact technical support for assistance.

Detecting CSECT:
GTDSLAV

GTD1286S Communications Dataset serialization error.

Explanation:
On this TDMF Agent system, serialization of the TDMFRESV resource is effected by a physical device reserve. However, on the Master system this RESERVE is being converted to a global ENQ.

System action:
TDMF terminates the migration session to avoid the possibility of a "lock out" caused by the mismatch of serialization techniques.

Programmer response:
Consider adding TDMFRESV to the SYSTEMS exclusion RNL in all the GRS complexes that are participating in the migration. If CA-MIM is being used for RESERVE conversion, specify "GDIF=NO" for the TDMFRESV resource in the MIMQNAME member for all the systems participating in the migration. Use the DELQNAME command to prevent conversion of the RESERVE to a global ENQ. Contact technical support for assistance.

Detecting CSECT:
GTDSLAV

GTD1287S Communications Dataset serialization error.

Explanation:
On the TDMF Master system the RESERVE request for the TDMFRESV resource resulted in a physical device reserve. However, on this Agent system the RESERVE is being converted to a global ENQ by either GRS or CA-MIM.

System action:
TDMF terminates the migration session to avoid the possibility of a "lock out" caused by the mismatch of serialization techniques.

Programmer response:
Consider adding TDMFRESV to the GRS SYSTEMS exclusion RNL. If CA-MIM is being used for RESERVE conversion, specify "GDIF=NO" for the TDMFRESV resource in the MIMQNAME member for all the systems participating in the migration. Use the DELQNAME command to prevent conversion of the RESERVE to a global ENQ. Contact technical support for assistance.

Detecting CSECT:
GTDSLAV

GTD1289S Cache Fast Write not supported for SYSCOM on Agent.

Explanation:
The TDMF Master system has indicated that Agents should use the Cache Fast Write (CFW) facility for volume refresh notification records (VRNQ). On this Agent system, either CFW support is not indicated in the DCE control block or the I/O request to extract the CFW identifier for the Communications Dataset device's storage controller was unsuccessful.

System action:
TDMF terminates the migration session.

Programmer response:
If no I/O error message appears on the job log for this Agent, examine the DCE for the SYSCOM device on this system using the DEVSERV command. Cache Fast Write processing can be suppressed for the session using the "NOCFW" option on the SESSION control statement. Contact technical support for assistance.

Detecting CSECT:
GTDINSE

GTD1293W The target device does not support the Modified Indirect Addressing CCW feature.

Explanation:
At TDMF initialization on this system, the source volume is being migrated to a device that does not have the UCBMIDAW flag set in its UCB. Because the source device does have the flag set, applications might build channel programs that exploit the MIDAW/MIDAL feature, which could cause an application failure after the swap has completed. This warning indication can be suppressed by using the NOWARNING(1293) option on the SESSION control statement.

System action:
TDMF initialization continues, but the volume migration will be terminated if the I/O Monitor detects an active application that is building and using MIDAWs in channel programs for the source volume. The termination reason code will be "DC" in this case.

Detecting CSECT:
GTDEDDT

GTD1294I **At TDMF initialization, source volume *source-volser* is active as a primary SRDF volume.**

Explanation:
At TDMF initialization, the source volume is a primary volume in a remote data copy (SRDF) session.

System action:
TDMF execution continues.

Detecting CSECT:
GTDBDDT

GTD1295I **At TDMF initialization, target volume *target-volser* is active as a primary SRDF volume.**

Explanation:
At TDMF initialization, the target volume is a primary volume in a remote data copy (SRDF) session.

System action:
TDMF execution continues.

Detecting CSECT:
GTDBDDT

GTD1296I **At TDMF initialization, source volume *source-volser* is active as a primary SRDF adaptive-copy disk volume.**

Explanation:
At TDMF initialization, the source volume is a primary volume in a remote data copy (SRDF) session using the adaptive-copy disk feature.

System action:
TDMF execution continues.

Detecting CSECT:
GTDBDDT

GTD1297I **At TDMF initialization, source volume *source-volser* is active as a primary SRDF adaptive-copy write pending volume.**

Explanation:
At TDMF initialization, the source volume is a primary volume in a remote data copy (SRDF) session using the adaptive-copy write pending feature.

System action:
TDMF execution continues.

Detecting CSECT:
GTDBDDT

GTD1298I **At TDMF initialization, target volume *target-volser* is active as a primary SRDF adaptive-copy disk volume.**

Explanation:
At TDMF initialization, the source volume is a primary volume in a remote data copy (SRDF) session using the adaptive-copy disk feature.

System action:
TDMF execution continues.

Detecting CSECT:
GTDBDDT

GTD1299I **At TDMF initialization, target volume *target-volser* is active as a primary SRDF adaptive-copy write pending volume.**

Explanation:
At TDMF initialization, the source volume is a primary volume in a remote data copy (SRDF) session using the adaptive-copy write pending feature.

System action:
TDMF execution continues.

Detecting CSECT:
GTDBDDT

GTD1300S **The "XRCVolume" option was not requested.**

Explanation:
The source volume is active with an extended remote copy (XRC) session and the "XRCVolume" option was not requested but was determined dynamically for the migration.

System action:
TDMF execution is terminated.

User response:
If the XRCVolume option was specified correctly for this volume migration, the target device must be capable of becoming the XRC primary device and must not already be mirrored for disaster recovery (PPRC/SRDF, etc.).

Detecting CSECT:
GTDADDT

GTD1301I **This system is considered to be a master system that is also active with a XRC System Data Mover session.**

Explanation:
The source volume is active with an extended remote copy (XRC) session and the "XRCVolume" option was requested and also was determined dynamically for the migration.

System action:
TDMF execution continues.

Detecting CSECT:
GTDADDT

GTD1302I **This system is considered to be a remote agent system that is also active with an XRC System Data Mover session.**

Explanation:
The source volume is active with an extended remote copy (XRC) session and the "XRCVolume" option was requested and also was determined dynamically for the migration. Additionally, the communication dataset is being accessed via a channel extender. As a remote SDM agent system, no replicate functions are allowed as a normal reserve/release support for the communications dataset is not performed after system initialization.

System action:
TDMF execution continues.

Detecting CSECT:
GTDADDT

GTD1303I **This system is considered to be a local agent system that is also active with an XRC System Data Mover session.**

Explanation:
The source volume is active with an extended remote copy (XRC) session and the "XRCVolume" option was requested and also was determined dynamically for the migration.

System action:
TDMF execution continues.

Detecting CSECT:
GTDADDT

GTD1304I **This system is considered to be a remote agent system as it accesses the communications dataset via a channel extender.**

Explanation:
As a remote agent system, no replicate functions are allowed as a normal reserve/release support for the communications dataset is not performed after system initialization.

System action:
TDMF execution continues.

Detecting CSECT:
GTDADDT

GTD1305I **Currently the TDMF does not support a mixture of swap and replication requests.**

Explanation

As a remote agent system, no write I/O operations are allowed to the source volume when the communications dataset is located on a channel extender. Since the communications dataset is normally used to pass information to the master regarding data integrity, a remote agent has no mechanism to pass this information with integrity. After system initialization completes, a remote agent does not issue either hardware reserve or release requests.

If TDMF detects during the swap or replication process, a write I/O operation to the source volume, the migration process will dynamically terminate.

System action:
TDMF execution continues.

Detecting CSECT:
GTDADDT

GTD1306I **The "XRCVolume" option was requested, but the option is not needed and has been ignored.**

Explanation:
The user specified the option on the MIGRATE statement which permits a swap migration to occur from a XRC primary source volume to a target volume that is already active when an XRC operation. mirroring technique.

System action:
TDMF execution continues.

Detecting CSECT:
GTDADDT

GTD1307S **The number of MIGRATE or REPLICATE statements exceeds the number that can be supported by the available private region (LSQA) below 16M. Available private region below 16M is *pvt-region* bytes. The number of statements is *input-statements*. For this private region size, the estimated number of statements that can be supported is *estimated-statements*.**

Explanation:
The private region below 16M is not large enough to support the number sub-tasks required for the number of MIGRATE or REPLICATE statements specified.

System action:
TDMF execution terminates.

User response:
Reduce the number of MIGRATE or REPLICATE statements to some number below the estimated amount. Run multiple TDMF sessions concurrently to accommodate more statements than the estimated number.

Detecting CSECT:
GTDMAIN

GTD1310S **ATTACHX failed for subtask manager GTDCMGR. Return code: *return-code*.**

Explanation:
TDMF issued an ATTACHX macro for module GTDCMGR. The ATTACHX service returned with the failure code indicated in register 15.

System action:
TDMF terminates the session.

Problem determination:
The message contains the hexadecimal return (R15) code from the ATTACHX macro. Consult IBM manual *z/OS MVS Programming: Authorized Assembler Services Reference, Volume 1 (ALE-DYN)* for an explanation.

Detecting CSECT:
GTDMAIN

GTD1311S **Subtask manager GTDCMGR abended during initialization. ECB: *ecb-code* TCBCMP: *tcb-code*.**

Explanation:
TDMF subtask manager encountered an error during subtask manager initialization that caused an abnormal termination of the task.

System action:
TDMF terminates the session.

System programmer response:
Contact technical support for assistance.

Problem determination:
The message contains the hexadecimal ECB completion code and the hexadecimal TCB task completion code.

Detecting CSECT:
GTDMAIN

GTD1312S **Subtask manager GTDCMGR terminated during initialization. RC: rc-code, RS: rs-code.**

Explanation:
TDMF subtask manager encountered an error during subtask manager initialization that caused an abnormal termination of the task.

System action:
TDMF terminates the session.

System programmer response:
Contact technical support for assistance.

Problem determination:
The message contains the return code and reason code.

Detecting CSECT:
GTDMAIN

GTD1313I **Subtask GTDCMGR successfully initialized.**

Explanation:
TDMF subtask manager completed its initialization without error and is ready for service.

System action:
TDMF processing continues.

Detecting CSECT:
GTDMAIN

GTD1314I **Subtask GTDCMGR detached. Maximum number of subtasks attached is subtask-max.**

Explanation:
TDMF detached the subtask manger. The maximum number of subtask used is indicated by the value displayed.

System action:
TDMF processing continues.

Detecting CSECT:
GTDTERM

GTD1315E **Module mod-name incurred a lock/unlock error code: lock-code, while attempting to queue work.**

Explanation

The named module is attempting to queue a work element to the subtask manager and was unable to serialize the work queue indicated by the error code.

The lock/unlock error code is one of the following:

16 SUBTA lock error
18 SUBTA unlock error
20 SUBTA tail error
22 SUBTA POST error
24 SUBTA head error
32 SUBTI lock error
34 SUBTI unlock error
36 SUBTI head error
38 SUBTI tail error
64 CSEL Queue lock error
66 CSEL Queue unlock error
68 CSEL Queue head error
70 CSEL Queue tail error
80 CSEL Queue work element lock error
82 CSEL Queue work element unlock error
84 CSEL Queue work element head error
86 CSEL Queue work element tail error
96 CPYQ Queue lock error

98 CPYQ Queue unlock error
100 CPYQ Queue head error
102 CPYQ Queue tail error
112 CPYQ Queue work element lock error
114 CPYQ Queue work element unlock error
116 CPYQ Queue work element head error
118 CPYQ Queue work element tail error
128 XCPY Queue lock error
130 XCPY Queue unlock error
132 COPY Queue head error
134 XCPY Queue tail error
144 XCPY Queue work element lock error
146 XCPY Queue work element unlock error
148 XCPY Queue work element head error
150 XCPY Queue work element tail error
160 SYNC Queue lock error
162 SYNC Queue unlock error
164 SYNC Queue head error
166 SYNC Queue tail error
176 SYNC Queue work element lock error
178 SYNC Queue work element unlock error
180 SYNC Queue work element head error
182 SYNC Queue work element tail error

System action:
Processing is discontinued for the volume.

System programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDAVOL, GTDBVOL, GTDCVOL, GTDEVOL, GTDKVOL, GTDMVOL, GTDRVOL, GTDSVOL, GTDTVOL, GTDCMGR, GTDCSUB

GTD1330S Buffer pool manager GTDBUFR abended during initialization. ECB:*ecb-code* TCBCMP:*tcb-code*.

Explanation:
TDMF buffer pool manager encountered an error during initialization that caused an abnormal termination of the task.

System action:
TDMF terminates the session.

User response:
None.

Programmer response:
Contact technical support for assistance.

Problem determination:
The message contains the hexadecimal ECB completion code and the hexadecimal TCB task completion code.

Detecting CSECT:
GTDMAIN

GTD1331S Buffer pool manager GTDBUFR failed to complete initialization.

Explanation:
Time expired for the buffer pool manager to complete initialization. TDMF allows several seconds for initialization to complete.

System action:
TDMF terminates the session.

User response:
None.

Programmer response:
Contact technical support for assistance.

Problem determination:
None

Detecting CSECT:
GTDMAIN

GTD1332I Subtask GTDBUFR successfully initialized.

Explanation:
TDMF buffer pool manager completed its initialization without error and is ready for service.

System action:
TDMF processing continues.

User response:
None.

Programmer response:
None

Problem determination:
None

Detecting CSECT:
GTDMAIN

GTD1333I Subtask GTDBUFR detached.

Explanation:
TDMF detached the buffer pool manager.

System action:
TDMF processing continues.

User response:
None.

Programmer response:
None

Problem determination:
None

Detecting CSECT:
GTDMAIN

GTD1334W Buffer pool manager GTDBUFR terminated abnormally or

exceeded the time to terminate. Termination code:*term-code*

Explanation:
During normal or abnormal termination, TDMF buffer pool manager terminated with an error or did not terminate within a 5 second period. The termination code is indicated in the message.

System action:
TDMF termination continues.

User response:
None.

Programmer response:
Contact technical support for assistance.

Problem determination:
A termination code of x'FFFFFFFF' indicates the subtask did not terminate within the 5 seconds allowed. Any other code indicates an abnormal termination for which an explanation can be found in IBM z/OS MVS System Codes manual.

Detecting CSECT:
GTDTERM

GTD1335E **Buffer pool manager BUFR_GET error. Error code:*err-code*, Reporting module:*mod_id*.**

Explanation

The reporting module received the indicated error code from a buffer manager BUFR_GET request.

Error Code:

04 no buffers available.
08 invalid buffer size requested.

Reporting Module:

BD GTDBDDT
CO GTDCOPY
DD GTDDDDT
RT GTDRTNM
XV GTDXVOL

System action:
TDMF execution is terminated.

User response:
None.

Programmer response:
Contact technical support for assistance.

Problem determination:
A termination code of x'FFFFFFFF' indicates the subtask did not terminate within the 5 seconds allowed. Any other code indicates an abnormal termination for which an explanation can be found in IBM z/OS MVS System Codes manual.

Detecting CSECT:
GTDTERM

GTD1364W **The target volume *target-volser* is mounted on a device defined as unshared.**

Explanation:
The source volume is mounted on a device which supports the RESERVE and RELEASE channel commands, but the target device does not. This warning indication can be suppressed by using the NOWARNING(1364) option on the SESSION control statement.

System action:
TDMF execution continues if this is a single system migration.

Detecting CSECT:
GTDVUCB

GTD1365W **Automatic ICKDSF processing not possible for this volume.**

Explanation:
The SYSVTOC reserve for the source volume serial number is not being converted to a global ENQ request - and the source and target volumes are mounted on devices that do not have the same shared attribute: one device supports the RESERVE and RELEASE channel commands, but the other does not.

System action:
TDMF execution continues. The automatic ICKDSF option will be suppressed for this volume.

Detecting CSECT:
GTDEDDT

GTD1366S **Automatic ICKDSF processing not possible for this volume. Error code: *error-code/reason-code*.**

Explanation:
The automatic ICKDSF option is a requirement for this volume migration (either the UNCONDITIONAL parameter was specified for the EXTVTOC option, or this is a migration to a smaller target device). During TDMF initialization, it has been determined that ICKDSF is not capable of processing this volume and it would be pointless to continue with the migration.

System action:
TDMF execution terminates.

User response:
Refer to the suggested user response for message GTD3684W.

Problem determination:
The error and reason codes are as documented for message GTD3684W.

Detecting CSECT:

GTDEDDT

GTD1367I **At TDMF initialization, source volume *source-volser* is active as an XRC volume.**

Explanation

At TDMF initialization, the source volume is active in an Extended Remote Copy (XRC) session.

This message should be preceded by &MSG.1975I, indicating the name of the active System Data Mover session. If not, this indicates that the System Data Mover session is active on some other system within the TDMF session.

If a System Data Mover eXtended Remote Copy (XRC) session is active outside of the current TDMF session, users should include that system within this current TDMF session.

As TDMF now supports a migration from active XRC volumes, users should always be executing TDMF upon all system including those that were previously executing the System Data Mover eXtended Remote Copy (XRC) sessions.

System action:
TDMF execution continues.

Detecting CSECT:
GTDBDDT

GTD1368I **At TDMF initialization, target volume *target-volser* is active as an XRC volume.**

Explanation

At TDMF initialization, the target volume is active in an Extended Remote Copy (XRC) session.

This message should be preceded by &MSG.1975I, indicating the name of the active System Data Mover session. If not, this indicates that the System Data Mover session is active on some other system within the TDMF session.

If a System Data Mover eXtended Remote Copy (XRC) session is active outside of the current TDMF session, users should include that system within this current TDMF session.

As TDMF now supports a migration from active XRC volumes, users should always be executing TDMF upon all system including those that were previously executing the System Data Mover eXtended Remote Copy (XRC) sessions.

System action:
TDMF execution continues.

Detecting CSECT:
GTDBDDT

GTD1369I **At TDMF initialization, duplex target volume *duplex-volser* is active as an XRC volume.**

Explanation:
At TDMF initialization, the duplex or remote target volume is active in an Extended Remote Copy (XRC) session.

System action:
TDMF execution continues.

Detecting CSECT:
GTDBDDT

GTD1370W **The devices involved contain a different number of primary cylinders.**

Explanation

At TDMF initialization, the source volume is being migrated to a device that contains a different number of primary cylinders. If this message is not preceded by GTD1822I, the target device is larger than the source.

In all cases, this message indicates that the number of cylinders defined in the Volume Table of Contents (VTOC) is less that the number physically available on the target device. In order to enable allocation of data upon these additional cylinders, and also to resolve any mismatch between the number of alternate cylinders/tracks as found in the VTOC and the number on the physical device, the execution of ICKDSF "REFORMAT" with either the "REFVTOC" or "EXTVTOC" parameter is recommended.

This warning indication can be suppressed by using the NOWARNING(1370) option on the SESSION control statement.

System action:
TDMF continues normally.

User response:
See the *IBM Transparent Data Migration Facility for z/OS Reference Guide* for more details.

Detecting CSECT:
GTDBDDT

GTD1372W **The characteristics of the target device do not match the VTOC.**

Explanation:
The number of alternate cylinders (DS4DEVAC) or the number of alternate tracks (DS4NOATK) extracted from the Volume Table of Contents (VTOC) on the source volume is incompatible with the physical characteristics of the target device.

System action:
TDMF continues normally.

User response

An ICKDSF "REFORMAT REFVTOC" should be performed on the target volume after completion of the migration.

To cause TDMF to automatically invoke ICKDSF in order to reset the alternate track counters, the "ICKDSF(ALTTRKS)" option must be specified for the session.

This warning indication can be suppressed by using the NOWARNING(1372) option on the SESSION control statement. See the *IBM Transparent Data Migration Facility for z/OS Reference Guide* for more details.

Detecting CSECT:
GTDBDDT

GTD1379I **The application program interface (API) for IBM is not available.**

Explanation:
The system attempted to dynamically load the application program interface (API) for IBM. The API (module AOMSSDS) could not be found or loaded.

System action:
TDMF execution continues.

User response:
If the customer requires the API, the module AOMSSDS should be placed into a LINKLST library.

Detecting CSECT:
GTDMAIN

GTD1380I **The application program interface (API) for STK is not available.**

Explanation:
The system attempted to dynamically load the application program interface (API) for STK. The API (module SIBLLAPI) could not be found or loaded.

System action:
TDMF execution continues.

User response:
If the customer requires the API, the module SIBLLAPI should be placed into a LNKLST library.

Detecting CSECT:
GTDMAIN

GTD1381I **The volume Fast Copy option was requested by a Migrate input statement.**

Explanation:
The Fast Copy option was specified in the Migrate statement for this volume migration.

System action:
TDMF will only copy cylinders containing allocated tracks, during this volume migration.

Detecting CSECT:
GTDMSTR, GTDRMST

GTD1382S **For a swap migration request, the target volume is not on a RVA/SVA subsystem.**

Explanation:
The source, virtual array, volume is being migrated to a non RVA or SVA storage subsystem.

System action:
TDMF execution is terminated.

User response:
Change the migration request to a Point-In-Time migration or specify a target volume on a RVA/SVA storage subsystem and resubmit the migration request.

Detecting CSECT:
GTDDDDT

GTD1383S **For a swap migration request, the target volume is not on the same subsystem.**

Explanation:
The source, virtual array type, volume is to be migrated to a RVA or SVA storage subsystem. The target device is part of a different RVA/SVA subsystem and the associated software on this system is not at a level which supports such a migration.

System action:
TDMF execution is terminated.

User response:
Change the migration request to a Point-In-Time migration or specify a target volume on the same RVA/SVA storage subsystem and resubmit the migration request.

Detecting CSECT:
GTDDDDT

GTD1384W **For a source volume, a Query Device function failed.**

Explanation

A Query Device function for an apparent RVA or SVA storage subsystem was unsuccessful. Either the channel program received a unit check indicating command reject or the returned information failed validity checking. The migration may subsequently terminate if a subsequent unsupported I/O operation occurs.

This warning indication can be suppressed by using the NOWARNING(1384) option on the SESSION control statement.

System action:
TDMF volume migration continues.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDDDDT

GTD1385W For a target volume, a Query Device function failed.

Explanation

A Query Device function for an apparent RVA or SVA storage subsystem was unsuccessful. Either the channel program received a unit check indicating command reject or the returned information failed validity checking. The migration may subsequently terminate if a subsequent unsupported I/O operation occurs.

This warning indication can be suppressed by using the NOWARNING(1385) option on the SESSION control statement.

System action:
TDMF volume migration continues.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDDDDT

GTD1386S The SYSCOM dataset is on a non-shared device.

Explanation:
This message is issued during initialization if the device on which the Communications dataset resides does not support the Reserve CCW and there are multiple systems in the TDMF session.

System action:
TDMF execution is terminated.

User response:
Choose a shareable device on which to allocate the Communications Dataset.

Programmer response:
For system and data integrity, the "shared" attribute should be specified in HCD for all DASD which are, or can be, attached to multiple systems.

Detecting CSECT:
GTDCOM2

GTD1387W For a duplex volume, a Query Device function failed.

Explanation

A Query Device function for an apparent RVA or SVA storage subsystem was unsuccessful. This I/O operation was attempted on the duplex (or remote) target volume. Either the channel program received a unit check indicating command reject or the returned information failed validity checking. The migration may subsequently terminate if a subsequent unsupported I/O operation occurs.

This warning indication can be suppressed by using the NOWARNING(1387) option on the SESSION control statement.

System action:
TDMF volume migration continues.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDDDDT

GTD1390I A SCAN with the HEAT MAP option has been detected.

Explanation:
This message is issued during initialization if the GTDHEATM DD statement is present and the SCAN option has been specified.

System action:
TDMF execution continues.

Detecting CSECT:
GTDINIT

GTD1391E Failure opening the GTDHEATM DD statement.

Explanation:
This message is issued during initialization if the GTDHEATM DD statement is present and the SCAN option has been specified and there was a failure during the OPEN of GTDHEATM.

System action:
TDMF execution is terminated.

User response:
Check the JOB log for the GTDHEATM open error.

Detecting CSECT:
GTDINIT

GTD1392I Source *source-volser* does not support IBM Heat Map.

Explanation:
This message is issued during a Heat Map Transfer Utility (HMTU) scan when the source device does not support IBM Heat Map.

System action:
TDMF execution continues without generating HMTU control cards for the device pair.

User response:
No action required.

Detecting CSECT:
GTDAVOL

GTD1393I **Target *target-volser* does not support IBM Heat Map.**

Explanation:
This message is issued during a Heat Map Transfer Utility (HMTU) scan when the target device does not support IBM Heat Map.

System action:
TDMF execution continues without generating HMTU control cards for the device pair.

User response:
No action required.

Detecting CSECT:
GTDAVOL

GTD1394W **No Heat Map control cards generated.**

Explanation:
A SCAN with the Heat Map option was specified but no devices supported IBM Heat Map.

System action:
TDMF execution is ended.

User response:
No action required.

Detecting CSECT:
GTDTERM

GTD1395I **Source *source-volser* supports IBM Heat Map target *target-volser* does not.**

Explanation:
This message is issued during any migration or replication when a source device is being moved to a target that does not support IBM Heat Map.

System action:
TDMF execution continues.

User response:
You may want to migrate to another unit.

Detecting CSECT:
GTDAVOL

GTD1433E **Error occurred in Allocation task.**

Explanation:
At TDMF initialization, the GTDCSEL module was attached to allocate files for later ICKDSF processing. This was unsuccessful.

System action:
TDMF terminates the migration session after issuing message GTD1434S.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDDDDT

GTD1434S **Migration not possible with ICKDSF option requested.**

Explanation:
Message GTD1433E, and possibly messages GTD3686I and GTD3684W, has been issued for a volume initialization failure.

System action:
TDMF terminates the migration session.

User response:
Respond to the messages issued for the individual volumes. Resubmit the migration session with the NOICKDSF option and invoke the ICKDSF program at a later time.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDDDDT

GTD1435S **The source volume failed authorization checking for ICKDSF processing.**

Explanation

At TDMF initialization, ALTER access authority to the source volume has not been granted by the installation's System Authorization Facility.

TDMF has determined that the volume is a candidate for ICKDSF REFVTOC/EXTVTOC processing, but this cannot be performed for this volume with the currently assigned RACF® userid and group.

System action:
TDMF terminates the migration session.

Programmer response:
Resubmit the TDMF Master job for a RACF user that has ALTER authority for the source volume serial number in the DASDVOL resource class. Alternatively, resubmit the job after temporarily assigning ALTER authority for this volume to the current user or removing the automatic ICKDSF option for this session by adding the OPT(NOICKdsf) parameter to the SESSION control statement.

Detecting CSECT:
GTDDDDT

GTD1436S **Register 15 from the System Authorization Facility was *R15-contents*.**

Explanation:

The customer requested use of the System Authorization Facility and authority checking. Contents of R15 displayed.

System action:
TDMF execution is terminated.

Detecting CSECT:
GTDDDDT

GTD1437S **Return code from the System Authorization Facility was *return-code*.**

Explanation:
The customer requested use of the System Authorization Facility and authority checking. Contents of Return Code displayed.

System action:
TDMF execution is terminated.

Detecting CSECT:
GTDDDDT

GTD1438S **Reason code from the System Authorization Facility was *reason-code*.**

Explanation:
The customer requested use of the System Authorization Facility and authority checking. Contents of Reason Code displayed.

System action:
TDMF execution is terminated.

Detecting CSECT:
GTDDDDT

GTD1439W **The new volume serial number is ignored for a JES3 system managed device.**

Explanation:
The new volume serial number option is ignored because it would create an invalid source volume number in a JES3 system when the volume is being managed by the JES3 system.

System action:
TDMF volume migration continues.

Detecting CSECT:
GTDBDDT

GTD1440S **The source volume failed authorization checking for this swap migration.**

Explanation

At TDMF initialization, ALTER access authority to the source volume has not been granted by the installation's System Authorization Facility.

Authorization checking is performed for all migration volumes if requested in the installation options. Authorization checking might also be performed at session initialization for volumes that will be subject to ICKDSF REFORMAT processing as part of a swap migration.

System action:
TDMF terminates the migration session.

Detecting CSECT:
GTDDDDT

GTD1441S **The target volume failed authorization checking for this swap migration.**

Explanation:
At TDMF initialization, ALTER access authority to the target volume has not been granted by the installation's System Authorization Facility.

System action:
TDMF terminates the migration session.

Detecting CSECT:
GTDDDDT

GTD1442S **The source volume failed authorization checking for the point-in-time migration.**

Explanation:
At TDMF initialization, READ access authority to the source volume has not been granted by the installation's System Authorization Facility.

System action:
TDMF terminates the migration session.

Detecting CSECT:
GTDDDDT

GTD1443S **The target volume failed authorization checking for the point-in-time migration.**

Explanation:
At TDMF initialization, READ access authority to the target volume has not been granted by the installation's System Authorization Facility.

System action:
TDMF terminates the migration session.

Detecting CSECT:
GTDDDDT

GTD1444W **The source volume is being migrated from a 3-digit to 4-digit device number.**

Explanation

At TDMF initialization, the source volume is mounted on a 3-digit device number and is being swapped with

a 4-digit device number. Some applications and/or subsystems do NOT support 4-digit device numbers (for example, JES2 V4).

This warning indication can be suppressed by using the NOWARNING(1444) option on the SESSION control statement.

System action:
TDMF continues normally.

User response:
If this appears to be a problem, either terminate this migration, or let it complete and run another migration to return the volume to a device with a three digit number.

Detecting CSECT:
GTDBDDT

GTD1445W The source volume is being migrated from a UCB located below the 16MB line.

Explanation

At TDMF initialization, the source volume is mounted on a device whose UCB is located below the 16MB line and is being swapped to a device whose UCB is located above the 16MB line. Some applications and/or subsystems may NOT support UCBs above the 16MB line.

This warning indication can be suppressed by using the NOWARNING(1445) option on the SESSION control statement.

System action:
TDMF continues normally.

User response:
If this appears to be a problem, either terminate this migration, or after it completes successfully, vary the old source unit online and migrate the volume back.

Detecting CSECT:
GTDBDDT

GTD1446W The source volume is being migrated from an ESCON to non-ESCON capable device.

Explanation

At TDMF initialization, the source volume is mounted on a device whose is ESCON capable and is being swapped to a non-ESCON capable Some applications and/or subsystems may NOT support this situation, mainly the IMS use of the Write Ahead Dataset (WADS). TDMF will monitor for this situation, and if GTDIMON detects the use of the Locate Record Extended CCW with extended operations requested, GTDIMON will request TDMF to terminate this migration.

This warning indication can be suppressed by using the NOWARNING(1446) option on the SESSION control statement.

System action:
TDMF continues normally.

Detecting CSECT:
GTDBDDT

GTD1448I The Time-of-Day System Default Option is GMT.

Explanation:
The TOD Option was set in SYSOPTN to be GMT and times in printouts and monitor output will be in GMT time.

Detecting CSECT:
GTDMSTR, GTDRMST

GTD1449I The Time-of-Day option was specified as LOCAL.

Explanation:
The TOD Option was set in SYSOPTN to be Local and times in printouts and monitor output will be in Local time.

Detecting CSECT:
GTDMSTR, GTDRMST

GTD1450I The TOD Option has been overridden by the OPTIONS statement and set to GMT.

Explanation:
The TOD Option was set to Local in SYSOPTN and has been changed to GMT by the OPTIONS statement in the TDMF job stream.

Detecting CSECT:
GTDMSTR

GTD1451I The TOD Option has been overridden by the OPTIONS statement and set to LOCAL.

Explanation:
The TOD Option was set to GMT in SYSOPTN and has been changed to Local by the OPTIONS statement in the TDMF job stream.

Detecting CSECT:
GTDMSTR

GTD1452I The Pacing System Option was specified as ON.

Explanation:
The use of pacing was specified when the SYSOPTN job was executed.

Detecting CSECT:
GTDMSTR, GTDRMST

GTD1453I **The Pacing System Option was specified as OFF.**

Explanation:
Pacing was not selected as an option in the most recent execution of the SYSOPTN job.

Detecting CSECT:
GTDMSTR, GTDRMST

GTD1454I **Pacing has been changed to OFF by the OPTIONS statement in the input job stream.**

Explanation:
The Pacing system option was specified as ON by SYSOPTN member but was overridden by the OPTIONS statement.

Detecting CSECT:
GTDMSTR

GTD1455I **Pacing has been changed to ON by the OPTIONS statement in the input job stream.**

Explanation:
The Pacing system option was specified as OFF by SYSOPTN member but was overridden by the OPTIONS statement.

Detecting CSECT:
GTDMSTR

GTD1456I **Confirmation on Initialization system option was specified as ON.**

Explanation:
SYSOPTN member defined the Confirmation on startup system option as being ON for TDMF migrations.

Detecting CSECT:
GTDMSTR, GTDRMST

GTD1457I **Confirmation on Initialization system option was specified as OFF.**

Explanation:
SYSOPTN member defined the Confirmation on startup system option as being OFF for TDMF migrations.

Detecting CSECT:
GTDMSTR, GTDRMST

GTD1458I **The Confirmation on Initialization system option has been set to ON.**

Explanation:
This option has been set to ON by an overriding OPTIONS statement in the TDMF job stream.

Detecting CSECT:
GTDMSTR

GTD1459I **The Confirmation on Initialization system option has been set to OFF.**

Explanation:
This option has been set to OFF by an overriding OPTIONS statement in the TDMF job stream.

Detecting CSECT:
GTDMSTR

GTD1460I **Terminate All Volumes in Group on Error Option was specified as ON.**

Explanation:
All volumes in the group will be terminated if an error occurs on any volume in the group.

Detecting CSECT:
GTDMSTR, GTDRMST

GTD1461I **Terminate All Volumes in Group on Error Option was specified as OFF.**

Explanation:
Only the involved volume(s) will be terminated if an error occurs.

Detecting CSECT:
GTDMSTR, GTDRMST

GTD1462I **Terminate All Volumes in Group on Error Option was changed to ON.**

Explanation:
This option was set to OFF by SYSOPTN but changed to ON by the OPTIONS statement.

Detecting CSECT:
GTDMSTR

GTD1463I **Terminate All Volumes in Group on Error Option was changed to OFF.**

Explanation:
This option was set to ON by SYSOPTN but changed to OFF by the OPTIONS statement.

Detecting CSECT:
GTDMSTR

GTD1464I **The Operator Messages Option was specified as ON.**

Explanation:
WTOR messages will be used for AutoOper uses for Point-In-Time migrations.

Detecting CSECT:
GTDMSTR, GTDRMST

GTD1465I **The Operator Messages Option was specified as OFF.**

Explanation:
WTOR messages will not be used for AutoOper for Point-In-Time migrations.

Detecting CSECT:
GTDMSTR, GTDRMST

GTD1466I The Operator Messages Option has been changed to ON.

Explanation:
Although Operator Messages were specified as OFF in SYSOPTN member, the OPTIONS statement has changed it to ON.

Detecting CSECT:
GTDMSTR

GTD1467I The Operator Messages Option has been changed to OFF.

Explanation:
Although Operator Messages were specified as OFF in SYSOPTN member, the OPTIONS statement has changed it to OFF.

Detecting CSECT:
GTDMSTR

GTD1468I The Offline Volume Access feature (OVA) was specified for a volume.

Explanation:
The target volume will be accessible for registration by OVA jobs after completion of the Point-In-Time migration.

System action:
TDMF continues control statement analysis.

Detecting CSECT:
GTDMSTR, GTDRMST

GTD1469I The Perpetual Point-in-Time option was specified for a volume.

Explanation:
After completion of the Point-In-Time migration for the volume, the source and target devices will continue to be monitored by TDMF and may be resynchronized on demand.

System action:
TDMF continues control statement analysis.

Detecting CSECT:
GTDMSTR, GTDRMST

GTD1470S An enhanced Point-in-Time option was requested for a SWAP type migration.

Explanation:
Either the "Offline Volume Access," or the "Perpetual Point-In-Time" option was requested for this volume. This volume migration is a swap type (an "S" was specified in position 36 of this migrate statement) and these options are only valid when specified for a Point-In-Time migration.

System action:
TDMF terminates immediately.

Detecting CSECT:
GTDMSTR, GTDRMST

GTD1471S A migration option was requested which is not supported by this version of TDMF.

Explanation:
Either the "Offline Volume Access" or "Perpetual Point-In-Time" option was requested for this volume. Either the "Offline Volume Access" or "Perpetual Point-In-Time" facility is not valid with the license key that is in use.

System action:
TDMF terminates immediately.

User response:
Use option 10 of the TDMF TSO Monitor to check the features enabled by the license key. Remove the unlicensed option(s) from the SESSION, GROUP or REPLICATE control statement and resubmit the Master job.

Detecting CSECT:
GTDMSTR, GTDRMST

GTD1472S Options requested in the OPTIONS record are other than blank, Y, or N.

Explanation:
The options specified in the OPTIONS statement must either be blank or contain one of the letters Y or N.

System action:
TDMF terminates immediately.

Detecting CSECT:
GTDMSTR

GTD1473S Too many group names were found in MIGRATE cards from SYSIN - 32 is maximum.

Explanation:
More than 32 groups were specified in SYSIN MIGRATE statements and 32 is the limit.

Detecting CSECT:
GTDMSTR

GTD1474S The Swap Option was not the same for all volumes in this group.

Explanation:
All volumes in a group must be in agreement as to the swap option -- if specified for one it must be on for all volumes.

Detecting CSECT:
GTDMSTR

GTD1475S **The synchronization time for all volumes of a group does not match.**

Explanation:
The synchronization time must match for all volumes in a group.

Detecting CSECT:
GTDMSTR

GTD1476S **The Point-In-Time Option disagrees with options for other volumes in the group.**

Explanation:
All volumes in a group must be in agreement as to the Point-In-Time option.

Detecting CSECT:
GTDMSTR

GTD1477I **A volume AutoOper option was changed to OFF by a Migrate card option.**

Explanation:
The AutoOper option was specified as ON in a system options statement. A migrate statement option was turned off as a result.

Detecting CSECT:
GTDMSTR, GTDRMST

GTD1478I **A volume AutoOper option was changed to ON by a Migrate card option.**

Explanation:
The AutoOper option was specified as OFF in a system options statement. A migrate statement option was turned on as a result.

Detecting CSECT:
GTDMSTR, GTDRMST

GTD1479I **A volume Confirm option was changed to OFF by a Migrate card option.**

Explanation:
The Confirm option was specified as ON in a system options statement. A migrate statement option was turned on as a result.

Detecting CSECT:
GTDMSTR, GTDRMST

GTD1480I **A volume Confirm option was changed to ON by a Migrate card option.**

Explanation:
The Confirm option was specified as OFF in a system options statement. A migrate statement option was turned on as a result.

Detecting CSECT:
GTDMSTR, GTDRMST

GTD1481I **A volume TermGrp option was changed to ON by a Migrate card option.**

Explanation:
The Terminate Group option was specified as OFF on the options statement. A migrate statement option was turned on as a result.

Detecting CSECT:
GTDMSTR, GTDRMST

GTD1482I **A volume TermGrp option was changed to OFF by a Migrate card option.**

Explanation:
The Terminate Group option was specified as ON on the options statement. A migrate statement option was turned off as a result.

Detecting CSECT:
GTDMSTR, GTDRMST

GTD1483S **The PORT session option cannot be specified for remote replications.**

Explanation:
The PORT session option to improve responsiveness in configuration where XCF is not available can only be used in local migration or replication session (i.e. without using the REMOTE control statement).

System action:
TDMF terminates immediately.

Detecting CSECT:
GTDMSTR

GTD1485W **Target device *device-number* is not suitable for OVA I/O redirection.**

Explanation

The Point-In-Time and OVA options were specified for this volume, but the target device does not fully support the source device's hardware features. This might cause I/O errors (with "command reject" sense) to be encountered on the target device during subsequent Offline Volume Access processing.

The features currently examined by TDMF are:

Instant image (FlashCopy®)
Prestage trackset
Locate Record Erase Tracks validity
Prefix CCW validity

Read Track Data CCW validity
Write Full Track CCW validity
Write Track Data CCW validity

This warning indication can be suppressed by using the NOWARNING(1485) option on the SESSION control statement.

System action:
TDMF execution continues.

User response:
Choose a target device which has the same features as the source and resubmit the migration job.

Detecting CSECT:
GTDBDDT

GTD1486S The first SYSIN record is NOT an OPTIONS request.

Explanation:
First SYSIN record is not an OPTIONS record (columns 7-13).

System action:
TDMF execution is terminated.

Detecting CSECT:
GTDMSTR

GTD1487S The first SYSIN record is an OPTIONS request but is not a MASTER request.

Explanation:
First SYSIN record is an OPTIONS record but is not a MASTER request (columns 20-25).

System action:
TDMF execution is terminated.

User response:
Resubmit the job after correcting the error statement.

Detecting CSECT:
GTDMSTR

GTD1488S The first SYSIN record is an OPTIONS request but the SMFID field is blank.

Explanation:
First SYSIN record is an OPTIONS record but the SMFID is blank (columns 15-18).

System action:
TDMF execution is terminated.

User response:
Resubmit the job after correcting the error statement.

Detecting CSECT:
GTDMSTR

GTD1489S A premature EOF was received on the SYSIN dataset. Probably a missing END statement.

Explanation:
A premature EOF was received on the SYSIN dataset. It is probably due to a missing END statement and also potentially missing SYSTEMS or MIGRATE control statements.

System action:
TDMF execution is terminated.

User response:
Resubmit the job after adding an END statement.

Detecting CSECT:
GTDMSTR

GTD1490S The SMFID of SYSTEMS statement does not match the SMFID of OPTIONS statement.

Explanation:
The SMFID of this SYSTEMS statement does not match the SMFID of the previously specified OPTIONS statement.

System action:
TDMF execution is terminated.

User response:
Check the SMF parameters in SYS1.PARMLIB for the correct SMF ID.

Detecting CSECT:
GTDMSTR

GTD1491S An OPTIONS record appears to have information in columns that should be blank.

Explanation:
Fields of the OPTIONS record should be separated by blanks, although this record does not and thus is an invalid record.

System action:
TDMF execution is terminated.

User response:
Check the OPTIONS statement to ensure no values are specified in column 1 or columns 42-80. Correct the SMF ID.

Detecting CSECT:
GTDMSTR

GTD1492S The Master System has failed to initialize correctly.

Explanation:
The Master system has initialized, and is periodically updating, the Communications Dataset; however, the

expected initialization message was not found in record nine.

System action:
TDMF execution is terminated.

User response:
Ensure that the Master and Agent systems are executing the same version of TDMF.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDSLAV

GTD1493S The Compare Option was not the same for all volumes in this group.

Explanation:
All volumes in a group must be in agreement as to the compare option -- if specified for one volume if must be on for all volumes.

System action:
TDMF execution is terminated.

User response:
Check column 42 on the MIGRATE statement.

Detecting CSECT:
GTDMSTR

GTD1494S The Prompt Automatic option is not the same for all volumes in this group.

Explanation:
All volumes in a group must be in agreement as to the automatic option -- if specified for one volume if must be on for all volumes in the group.

System action:
TDMF execution is terminated.

User response:
Check column 38 on the MIGRATE statement for each volume of the group.

Detecting CSECT:
GTDMSTR

GTD1495S The Prompt Option is not the same for all volumes in this group.

Explanation:
All volumes in a group must be in agreement as to the Prompt Option -- if specified for one volume if must be on for all volumes in the group.

System action:
TDMF execution is terminated.

User response:
Check column 38 on the MIGRATE statement for each volume of the group.

Detecting CSECT:
GTDMSTR

GTD1496S The AutoOper Option is not the same for all volumes in this group.

Explanation:
All volumes in a group must be in agreement as to the AutoOper Option — if specified for one volume if must be on for all volumes in the group.

System action:
TDMF execution is terminated.

User response:
Check column 59 on the MIGRATE statement for each volume of the group.

Detecting CSECT:
GTDMSTR

GTD1497S The Confirm Option is not the same for all volumes in this group.

Explanation:
All volumes in a group must be in agreement as to the Confirm Option — if specified for one volume if must be on for all volumes in the group.

System action:
TDMF execution is terminated.

User response:
Check column 61 on the MIGRATE statement for each volume of the group.

Detecting CSECT:
GTDMSTR

GTD1498S The TermGrp Option is not the same for all volumes in this group.

Explanation:
All volumes in a group must be in agreement as to the TermGrp Option — if specified for one volume if must be on for all volumes in the group.

System action:
TDMF execution is terminated.

User response:
Check column 63 on the MIGRATE statement for each volume of the group.

Detecting CSECT:
GTDMSTR

GTD1499S TDMF is terminating due to Option Disagreement errors.

Explanation:
All volumes in a group must be in agreement as to the Sync Time, Swap or Point-In-Time migration, Compare Option, Automatic or prompt, Automatic Operator Option, Confirm on startup, and Terminate Group

Option. If any volume in the group differs, execution is terminated.

System action:
TDMF execution is terminated.

User response:
Check all options on the MIGRATE statement for each volume of the group for identical options.

Detecting CSECT:
GTDMSTR

GTD1500S **The MIGRATE statement contains an invalid group name.**

Explanation:
The group name specified in the MIGRATE record contains an imbedded blank.

System action:
TDMF execution is terminated.

Detecting CSECT:
GTDMSTR

GTD1501S **A volume group name has been specified while the single group option is active.**

Explanation:
If the single group option is specified for this TDMF session, no individual group names may be specified indicating the multiple group option for the TDMF session.

System action:
TDMF execution terminates.

User response:
Check column 72 on the SYSTEMS statement to see if it is in conflict with a group name on the MIGRATE statement.

Detecting CSECT:
GTDMSTR

GTD1502S **The number of volumes in migration group exceeds the number of concurrent volumes.**

Explanation

When specifying a multiple group, a group contains more volumes in the group than have been specified as the number of concurrent volumes allowed in the TDMF session.

A group of volumes is usually initiated at one time, so the size of the group must not be greater than the specified number of concurrently active volumes. To allow a group to initiate in stages, so that only a limited number of its volumes are in the process of being copied at any one time, the "active in copy" migration option must be specified for the session.

System action:
TDMF execution terminates.

Detecting CSECT:
GTDMSTR, GTDRMST

GTD1504I **The source volume passed System Authorization Facility checking.**

Explanation:
The customer requested use of the System Authorization Facility invoking RACF, CA-2 or Top-Secret, and the return code from the facility was zero, indicating that the volume passed authorization.

System action:
Volume initialization continues.

Detecting CSECT:
GTDDDDT

GTD1505I **The target volume passed System Authorization Facility checking.**

Explanation:
The customer requested use of the System Authorization Facility invoking RACF, CA-2 or Top-Secret, and the return code from the facility was zero, indicating that the volume passed authorization.

System action:
Volume initialization continues.

Detecting CSECT:
GTDDDDT

GTD1506S **The load of GTDLOGS failed.**

Explanation:
At termination time, TDMF attempted to load the communications dataset logger into storage in order to record the dataset used for this migration, and the load failed.

GTD1507S **The Master system has failed to initialize during the allowed time.**

Explanation:
The Master system did not initialize the communications dataset or the Agent system was unable to detect movement by the Master system during the allowed startup time.

System action:
TDMF execution is terminated.

Detecting CSECT:
GTDSLAV

GTD1508I **A volume Pacing option was changed to OFF by a Migrate card option.**

Explanation:

The Pacing option was specified as ON in a system options statement. A migrate statement option was turned off as a result.

Detecting CSECT:
GTDMSTR, GTDRMST

GTD1509I **A volume Pacing option was changed to ON by a Migrate card option.**

Explanation:
The Pacing option was specified as OFF in a system options statement. A migrate statement option was turned on as a result.

Detecting CSECT:
GTDMSTR, GTDRMST

GTD1510S **The DEQ was attempted by GTDMAIN for the CDS — but the ENQ was not held.**

Explanation:
The Communications Dataset (CDS) is already enqueued TDMF.

System action:
TDMF execution is terminated.

Programmer response:
Contact technical support for assistance.

GTD1511S **The TermGrp option was specified for a volume which is not part of a group.**

Explanation:
The Terminate Group option on the MIGRATE statement must be left blank for single volumes. This option can only be switched ON or OFF if the single group option is in effect or if the volume is part of a named migration group.

System action:
TDMF execution is terminated.

User response:
Remove the "Y" or "N" from column 63 of the MIGRATE statements for single (non-grouped) volumes.

Detecting CSECT:
GTDMSTR

GTD1512I **The FullSpeed Copy option was specified for a volume.**

Explanation:
Volume pacing will be in effect for the migration and cylinder data will be read and written concurrently for the volume.

Detecting CSECT:
GTDMSTR, GTDRMST

GTD1513S **The Volume Pacing specification is invalid.**

Explanation:
The permissible values for column 57 of the MIGRATE statement are blank, "N", "Y" and "S".

System action:
TDMF execution is terminated.

User response:
Correct the MIGRATE control statement and resubmit the Master job.

Detecting CSECT:
GTDMSTR

GTD1560I **Sense for volume *volser* on *device-number*: *sense-bytes*.**

Explanation:
Sense byte display for various error messages.

System action:
TDMF continues as specified for the preceding message.

User response:
See the preceding displayed message for action to be taken.

Detecting CSECT:
GTDCMSG, GTDVPST

GTD1574W **Volume swap will change mirroring method.**

Explanation

The user has requested, using the ALLOWMIRRORCHANGE option, that TDMF will allow a volume swap between PPRC and SRDF primary volumes. This warning message is issued because the two devices involved in this swap migration use different remote copy techniques.

This warning indication can be suppressed by using the NOWARNING(1574) option on the SESSION control statement.

System action:
TDMF session initialization continues.

User response:
If the swap completed successfully, ensure that the disaster recovery procedures for this volume are corrected to specify the correct vendor's data restore method.

Detecting CSECT:
GTDBDDT

GTD1575S **The number of concurrent volumes specified must be numeric.**

Explanation:

The number of concurrent volumes specified on the control statement is not numeric.

System action:
TDMF execution is terminated.

Detecting CSECT:
GTDMSTR, GTDRMST

GTD1576S Options requested in the MIGRATE record are other than blank, Y, or N.

Explanation:
Certain of the options specified in the MIGRATE statement are of the "yes or no" type and must either be left blank (to inherit from the system defaults or a preceding OPTIONS statement) or coded as one of the letters Y or N.

System action:
TDMF execution is terminated.

User response:
Identify the option that is incorrectly specified, correct the error and resubmit the migration job.

Detecting CSECT:
GTDMSTR

GTD1577I By user request, changing a volume's mirroring technique will be allowed.

Explanation:
The user has specified the "Allow mirror change" option. TDMF will not fail the SWAP request if the source volume is protected by a hardware mirroring facility of one vendor and the target is volume is protected by a mirroring facility of a different vendor.

Detecting CSECT:
GTDMSTR, GTDRMST

GTD1578S The number of concurrent volumes specified is out of range.

Explanation:
The number of concurrent volumes specified on the control statement must be between 1 and 512, inclusive.

System action:
TDMF execution is terminated.

Detecting CSECT:
GTDMSTR, GTDRMST

GTD1579I NOFASTCOPY option suppressed for Extent-Efficient or Space-Efficient target volume.

Explanation:
This volume is defined as either Extent-Efficient or Space-Efficient. Unallocated space on this volume is being managed by the control unit so TDMF does not copy unallocated space from the source volume to this target.

System action:
Initialization continues.

Detecting CSECT:
GTDBDDT

GTD1580I FASTCOPY option suppressed for VM volume.

Explanation:
The volume label on the source volume has a VTOC address specifying cylinder zero, track zero. This "pseudo VTOC" does not contain the information required for the FASTCOPY option, so this option will be suppressed and the entire (physical) volume will be copied.

System action:
Initialization continues.

Detecting CSECT:
GTDBDDT

GTD1581I Allow mirror change request ignored; source and target volumes use the same mirroring technique.

Explanation

The user specified the option on the MIGRATE statement which permits a swap migration to occur from a mirrored source volume to a target that is on the primary device of a mirrored pair, but which is using a different mirroring technique. Message GTD1577I will have been issued for the volume, acknowledging the "ALLOWmirrorchange" option request.

In this migration the source and target volumes are mounted on devices that use the same mirroring technique, so the option is not required.

Please refer to the sections of the product's Installation and Reference manual entitled "EMC SRDF" and "PPRC" for the valid combinations of the source and target volumes supported by TDMF, and the explanation of the "Allow mirror change" option and its necessity.

Detecting CSECT:
GTDBDDT

GTD1582I At TDMF initialization, source volume *source-volser* is assumed to be a VM volume.

Explanation:
The volume label on the source volume has a VTOC address specifying cylinder zero, track zero.

System action:

The volume will be processed as if it were a VM formatted volume and records with count fields which would otherwise be treated as invalid will be copied unchanged to the target volume.

Detecting CSECT:
GTDBDDT

GTD1583S The target volume is located on an unauthorized dasd controller.

Explanation:
The TDMF license in effect on this system is a "limited function" type. The user has attempted to migrate to a device located on a DASD controller that is not authorized by this license.

System action:
The migration is terminated.

Detecting CSECT:
GTDBDDT

GTD1584I This system has a limitation by license as to the number of migration volumes.

Explanation:
The TDMF license in effect on this system is a function limited by the number of volumes that may be migrated.

System action:
TDMF session initialization continues.

Detecting CSECT:
GTDMAIN

GTD1585I This system has a limitation by license as to the vendor of target migrations.

Explanation:
The TDMF license in effect on this system has a vendor limitation (Spectris/SDTF) on target volumes in the migration session.

System action:
TDMF session initialization continues.

Detecting CSECT:
GTDMAIN

GTD1586I This system has a limitation by license as to the number of migration terabytes.

Explanation:
The TDMF license in effect on this system is function limited by the number of terabytes that may be migrated.

System action:
TDMF session initialization continues.

Detecting CSECT:
GTDMAIN

GTD1587S The number of terabytes being migrated exceeds the number remaining in license.

Explanation:
TDMF session exceeds the number of terabytes remaining in this TDMF license.

System action:
TDMF execution is terminated.

Detecting CSECT:
GTDMAIN

GTD1588S The number of volumes being migrated exceeds the number remaining in license.

Explanation:
TDMF session exceeds the number of volumes remaining in this TDMF license.

System action:
TDMF execution is terminated.

Detecting CSECT:
GTDMAIN

GTD1589S The update of volumes successfully migrated failed at TDMF session termination.

Explanation:
The number of volumes successfully migrated in this session failed at the termination of the TDMF session. This could affect the number of volumes that may be migrated under the current TDMF license.

System action:
TDMF execution continues.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDTERM

GTD1590S For the system security dataset (GTDKEY), an RDJFCB request failed.

Explanation:
For the system security dataset (GTDKEY), a RDJFCB request failed.

System action:
TDMF execution is terminated.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDCOM1

GTD1591S **This system has a limitation by license which requires GTDKEY update authority.**

Explanation:
The TDMF license in effect on this system has a limit upon the number of volumes that may be migrated and thus also requires that the customer have update authority to the system security dataset (GTDKEY).

System action:
TDMF execution is terminated.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDCOM1

GTD1592I **Register 15 from the System Authorization Facility was *R15-contents*.**

Explanation:
The TDMF load library defined by the GTDKEY is protected by the Security Authorization Facility and authority checking for update failed. Contents of R15 displayed.

Detecting CSECT:
GTDCOM1

GTD1593I **Return code from the System Authorization Facility was *return-code*.**

Explanation:
The TDMF load library defined by the GTDKEY is protected by the Security Authorization Facility and authority checking for update failed. Contents of Return Code displayed.

Detecting CSECT:
GTDCOM1

GTD1594I **Reason code from the System Authorization Facility was *reason-code*.**

Explanation:
The TDMF load library defined by the GTDKEY is protected by the Security Authorization Facility and authority checking for update failed. Contents of Reason Code displayed.

Detecting CSECT:
GTDCOM1

GTD1595W **Full Track Copy will be performed on Extent-Efficient or Space-Efficient VM target volume.**

Explanation:
This VM volume is defined as either Extent-Efficient or Space-Efficient. Unallocated space on this volume will be copied from the source volume to this target volume. Unallocated space on this volume will not be available for Extent-Efficient or Track-Efficient controller management.

System action:
Migration of the volume will occur and initialization continues.

Detecting CSECT:
GTDBDDT

GTD1598S **This volume is defined as a parallel access volume and may not be migrated.**

Explanation:
Either the UCBLOOK service returned the address of a PAV alias device UCB (system error), or the unit was defined as a Parallel Access base device and the IBM API could not be loaded.

System action:
Migration of the volume is terminated.

Detecting CSECT:
GTDVUCB

GTD1599S **A migration is being requested between dasd volumes with improper shared status.**

Explanation:
This error is detected during initialization of a swap migration. The message is issued if the target device is defined as unshared and there are Agent systems defined for the migration session (multi-system).

System action:
TDMF execution is terminated.

Programmer response:
If the source device is defined as shared, use HCD to add the "shared" attribute to the target device. If both source and target devices are defined as non-shared, vary the source and target devices offline to all other systems and migrate the volume using the Master system only.

Detecting CSECT:
GTDVUCB, GTDBDDT

GTD1619S **The target volume is located on an unauthorized dasd controller.**

Explanation:
The TDMF license in effect on this system is a "limited function" type. The user has attempted to migrate to a device located on a DASD controller that is not authorized by this license.

System action:
The migration is terminated.

Detecting CSECT:

GTDBDDT

GTD1620S The duplex volume is located on an unauthorized dasd controller.

Explanation:
The TDMF license in effect on this system is a "limited function" type. The user has attempted to migrate to a device located on a DASD controller that is not authorized by this license.

System action:
The migration is terminated.

Detecting CSECT:
GTDBDDT

GTD1621S The TCP/IP migration type is not available.

Explanation:
The user has requested a TCP/IP migration, rather than a PIT copy or a swap of the source and target volumes, but this system is running with a limited TDMF license and TCP/IP migrations are not allowed.

System action:
TDMF execution is terminated.

Detecting CSECT:
GTDMSTR

GTD1622S MIGRATE control statement not allowed on REMOTE system.

Explanation:
The user has started a TCP/IP REMOTE Master job that contains a volume MIGRATE statement. For a TCP/IP migration, the MIGRATE statements are processed by the LOCAL system and must not be specified in the REMOTE job's input stream.

System action:
TDMF execution is terminated.

User response:
Terminate the LOCAL job, correct the control statements and resubmit both Master jobs. See the *IBM Transparent Data Migration Facility for z/OS Reference Guide* for more information.

Detecting CSECT:
GTDMSTR

GTD1623S TCP/IP Password mismatch.

Explanation:
The OPTIONS control statement in this TCP/IP REMOTE Master job does not contain a password (columns 49-56) matching that specified in the LOCAL Master job's OPTIONS statement.

System action:
TDMF execution is terminated.

User response:
Terminate the LOCAL job, correct the control statements and resubmit both Master jobs. See the *IBM Transparent Data Migration Facility for z/OS Reference Guide* for more information.

Detecting CSECT:
GTDMSTR

GTD1624S The TCP/IP Facility is not available.

Explanation:
The user has requested initialization of a REMOTE Master system, by specifying an IP port number in the PARM field on the EXEC JCL statement, but this system is running with a limited TDMF license and TCP/IP migrations are not allowed.

System action:
TDMF execution is terminated.

Detecting CSECT:
GTDINIT

GTD1625S Volume Replication is not available.

Explanation:
The user has requested a Point-in-Time volume replication, but the system is running with a license key that does not support this migration type.

System action:
TDMF execution is terminated.

Detecting CSECT:
GTDMSTR, GTDRMST

GTD1631I Communication Information successfully written to History DataSet.

Explanation:
This message may be issued by a Migration job. It indicates that the logging function successfully wrote desired information.

Detecting CSECT:
GTDTERM

GTD1632I History Logging feature not installed.

Explanation:
This message may be issued by a Migration job. User needs to define a logging dataset in the SYSOPTN job.

System action:
TDMF execution continues.

User response:
See the *IBM Transparent Data Migration Facility for z/OS Reference Guide* for more information.

Detecting CSECT:
GTDTERM

GTD1633W History Log DataSet access failed authority check.

Explanation:
This message may be issued by a Migration job. The user does not have WRITE access to the History dataset.

System action:
TDMF execution continues.

Programmer response:
Contact technical support for additional information.

Detecting CSECT:
GTDTERM

GTD1634W Logging function ESTAE recovery invoked.

Explanation:
This message may be issued by a Migration job. Logging function has invoked its recovery routines.

System action:
TDMF execution continues.

Programmer response:
Contact technical support for additional information.

Detecting CSECT:
GTDTERM

GTD1635W Unable to gain exclusive control of HISTORY DataSet.

Explanation:
The TDMF session was unable to gain control of the SYSDSN/dataset_name ENQ resource within 30 seconds.

System action:
TDMF execution continues.

Programmer response:
Contact technical support for additional information.

Detecting CSECT:
GTDTERM

GTD1636W Reading SYSCOM dataset JFCB failed.

Explanation:
This message may be issued by a Migration job. The History Logging routine was unable to determine the name of the Communications Dataset.

System action:
TDMF execution continues.

Programmer response:
Contact technical support for additional information.

Detecting CSECT:
GTDTERM

GTD1637W Parsing DataSet name error.

Explanation:
This message may be issued by a Migration job. Error in parsing logging function HISTORY dataset name.

System action:
TDMF execution continues.

Programmer response:
Contact technical support for additional information.

Detecting CSECT:
GTDTERM

GTD1638W Allocation of HISTORY DataSet failed.

Explanation:
This message may be issued by a Migration job. Error in allocating logging function's History Dataset.

System action:
TDMF execution continues.

Programmer response:
Contact technical support for additional information.

Detecting CSECT:
GTDTERM

GTD1639W Reading HISTORY dataset JFCB failed.

Explanation:
This message may be issued by a Migration job. Obtaining the HISTORY dataset's JFCB information failed.

System action:
If message is generated by a migration job, it doesn't affect that job's success. For a migration, it is not considered a terminating error.

Programmer response:
Contact technical support for additional information.

Detecting CSECT:
GTDTERM

GTD1640W Open of HISTORY dataset failed.

Explanation:
This message may be issued by a Migration job. Open of the HISTORY dataset failed.

System action:
TDMF execution continues.

Programmer response:
Contact technical support for additional information.

Detecting CSECT:
GTDTERM

GTD1641W De-Allocation of HISTORY DataSet failed.

Explanation:
This message may be issued by a Migration job. Error in de-allocating logging function's History Dataset.

System action:
TDMF execution continues.

Programmer response:
Contact technical support for additional information.

Detecting CSECT:
GTDTERM

GTD1642W HISTORY DataSet definition invalid.

Explanation:
This message may be issued by a Migration job. Either the History Logging dataset does not exist on the DASD volume returned by dynamic allocation, or it is not a sequential dataset with fixed length 80 byte records.

System action:
TDMF execution continues.

User response:
Refer to the *IBM Transparent Data Migration Facility for z/OS Reference Guide* for more information.

Programmer response:
Contact technical support for additional information.

Detecting CSECT:
GTDTERM

GTD1643W Invalid call to logging function.

Explanation:
An invalid call was made to the logging function.

System action:
TDMF execution continues.

Programmer response:
Contact technical support for additional information.

Detecting CSECT:
GTDTERM

GTD1644W Writing of data to History Logging DataSet failed.

Explanation:
A write operation to the History Logging dataset failed.

System action:
TDMF execution continues.

User response:
Most likely dataset is full. SYSLOG should also contain a message giving more information on what generated this message.

Programmer response:
Contact technical support for additional support.

Detecting CSECT:
GTDTERM

GTD1649S For a source volume, for a HDS device the diagnostic CCW operation failed.

Explanation:
For a source volume of a migration request, a Diagnostic CCW request failed. Sense data will be provided if available.

System action:
TDMF execution is terminated.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDCDDT

GTD1650S For a target volume, for a HDS device the diagnostic CCW operation failed.

Explanation:
For a target volume of a migration request, a Diagnostic CCW request failed. Sense data will be provided if available.

System action:
TDMF execution is terminated.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDCDDT

GTD1651S For a duplex volume, for a HDS device the diagnostic CCW operation failed.

Explanation:
For a duplex volume of a migration request, a Diagnostic CCW request failed. Sense data will be provided if available.

System action:
TDMF execution is terminated.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDCDDT

GTD1652I Allow mirror change request ignored; source device is not mirrored.

Explanation

The user specified the option on the MIGRATE statement which permits a swap migration to occur from a PPRC, SRDF, XRC or HDS TrueCopy volume to a target device with a different mirroring technique. Message GTD1577I will have been issued for the

volume, acknowledging the "ALLOWmirrorchange" option request.

In this migration the source volume is not being mirrored and the option is not required.

Please refer to the sections of the product's Installation and Reference manual entitled "EMC SRDF" and "PPRC" for the valid combinations of the source and target volumes supported by TDMF, and the explanation of the "Allow mirror change" option and its necessity.

System action:
Initialization continues. This volume will be selected for activation without an "ALLOW" prompt.

Detecting CSECT:
GTDBDDT

GTD1653I **For a source volume, the EMC API is not available, thus only standard PPRC/XRC functions are applicable.**

Explanation:
For a source volume, since the EMC API is not available, no advanced EMC options are available, only standard IBM PPRC and XRC functions. EMC options of SRDF, Consistency Group, etc. are not available due to the lack of the EMC API support.

System action:
TDMF execution continues.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDCDDT

GTD1654I **For a target volume, the EMC API is not available, thus only standard PPRC/XRC functions are applicable.**

Explanation:
For a target volume, since the EMC API is not available, no advanced EMC options are available, only standard IBM PPRC and XRC functions. EMC options of SRDF, Consistency Group, etc. are not available due to the lack of the EMC API support.

System action:
TDMF execution continues.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDCDDT

GTD1655I **For a duplex volume, the EMC API is not available, thus only standard PPRC/XRC functions are applicable.**

Explanation:
For a duplex volume, since the EMC API is not available, no advanced EMC options are available, only standard IBM PPRC and XRC functions. EMC options of SRDF, Consistency Group, etc. are not available due to the lack of the EMC API support.

System action:
TDMF execution continues.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDCDDT

GTD1659S **For a source volume, the EMC API indicates that the EMC AutoSwap function is active.**

Explanation:
For a source volume, since the EMC API has indicated that not only is the volume a part of an EMC Consistency group, but that the Symmetrix Dynamic Automatic Swap (SDAS) function is active, the swap migration is not allowed as requested by EMC.

System action:
TDMF execution is terminated.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDCDDT

GTD1660S **For a target volume, the EMC API indicates that the EMC AutoSwap function is active.**

Explanation:
For a target volume, since the EMC API has indicated that not only is the volume a part of an EMC Consistency group, but that the Symmetrix Dynamic Automatic Swap (SDAS) function is active, the swap migration is not allowed as requested by EMC.

System action:
TDMF execution is terminated.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDCDDT

GTD1661S **For a source volume, TDMF detects the EMC SCF API is installed, but is inactive.**

Explanation:

For a source volume, we have detected that the EMC Symmetrix Control Facility and its API is installed but not currently active.

System action:
TDMF execution is terminated.

User response:
The customer should start the Symmetrix Control Facility task.

Detecting CSECT:
GTDCDDT

GTD1662S **For a target volume, TDMF detects the EMC SCF API is installed, but is inactive.**

Explanation:
For a target volume, we have detected that the EMC Symmetrix Control Facility and its API is installed but not currently active.

System action:
TDMF execution is terminated.

User response:
The customer should start the Symmetrix Control Facility task.

Detecting CSECT:
GTDCDDT

GTD1663S **For a duplex volume, TDMF detects the EMC SCF API is installed, but is inactive.**

Explanation:
For a duplex volume, we have detected that the EMC Symmetrix Control Facility and its API is installed but not currently active.

System action:
TDMF execution is terminated.

User response:
The customer should start the Symmetrix Control Facility task.

Detecting CSECT:
GTDCDDT

GTD1664I **For a source volume, the EMC API indicates that the EMC AutoSwap function is active.**

Explanation:
For a source volume, since the EMC API has indicated that not only is the volume a part of an EMC Consistency group, but that the Symmetrix Dynamic Automatic Swap (SDAS) function is active, the swap migration is allowed.

System action:
TDMF execution continues.

Detecting CSECT:
GTDCDDT

GTD1665I **For a target volume, the EMC API indicates that the EMC AutoSwap function is active.**

Explanation:
For a target volume, since the EMC API has indicated that not only is the volume a part of an EMC Consistency group, but that the Symmetrix Dynamic Automatic Swap (SDAS) function is active, the swap migration is allowed.

System action:
TDMF execution continues.

Detecting CSECT:
GTDCDDT

GTD1666S **For a duplex volume, the EMC API indicates that the volume is a part of an EMC Consistency Group.**

Explanation:
For a duplex volume, since the EMC API has indicated that not only is the volume a part of an EMC Consistency group, but may also have the Symmetrix Dynamic Automatic Swap (SDAS) function active, the PIT migration is not allowed.

System action:
TDMF execution is terminated.

Detecting CSECT:
GTDCDDT

GTD1667S **For an EMC volume that is supposedly active as a SDAS device, the API is indicating that SDAS is disabled.**

Explanation:
For any EMC SDAS type volume, the EMC API must indicate not only is the volume a part of an EMC Consistency group, but also must have the Symmetrix Dynamic Automatic Swap (SDAS) function active, and the device not be disabled.

System action:
TDMF execution is terminated.

Detecting CSECT:
GTDCDDT

GTD1668S **The source volume *source-volser* is active in an EMC AutoSwap session. Reason code: *reason-code*.**

Explanation

The source volume of a migration request is mounted on a device that currently has the EMC AutoSwap

function enabled. The reason code explains why this volume caused TDMF to terminate.

01 The device is not AutoSwap prepared on the Master system.

02 This system is not part of a SYSPLEX.

03 This Agent system is not part of the same SYSPLEX as the Master system.

04 The CONGROUP(stcname) parameter was not supplied on the SESSION control statement.

05 The volume is not part of a migration group, the first volume in the group is not EMC AutoSwap or there is more than one volume group containing AutoSwap volumes.

06 Another TDMF session is already active with EMC AutoSwap managed volumes.

07 An attempt to extract AutoSwap information from The EMC API was unsuccessful.

08 The number of systems defined on the SESSION control statement does not match the number of active systems in the AutoSwap complex.

09 This system name (from CVTSNAME) is not in the list of active AutoSwap systems returned by the EMC API.

10A A MIGRATE statement was found when Session option NOAUTOSWAPOFF was specified.

System action:
TDMF execution is terminated.

User response

For some of these error situations, the only way to migrate an EMC AutoSwap managed volume in this environment would be to disable AutoSwap for the duration of the migration.

For reason code five, add the SINGLEgroup option to the SESSION control statement, or precede the MIGRATE statements for EMC Autoswap managed volumes with a GROUP control statement.

For reason code six, wait until there are no active TDMF migrations before resubmitting the Master job. It might be necessary to resubmit the Agent jobs if they timed out (with message GTD1507S) during this interval.

For reason codes eight through ten, the TDMF migration session should be reconfigured so that there is an Agent job, or started task, started on every system currently active in the GDPS®.

Problem determination

This message with reason code seven is usually preceded by message GTD1995W, which provides details of the failure.

Note that message GTD1995W is a SYSTEM type message and will appear in the output listing immediately after the control statements on a Master system and at the beginning of the output listing on an Agent.

The NetView® command, "HYPERSW SYS", returns the names of the systems currently active in the GDPS. Systems in this list that are flagged with an asterisk are those that have the capability to become the controlling system.

Detecting CSECT:
GTDBDDT

GTD1669I **This system is licensed by a TDMF Service Contract.**

Explanation:
License in effect on this system is TDMF Service function.

System action:
TDMF session initialization continues.

Detecting CSECT:
GTDMAIN

GTD1670W **Device features mismatch may result in application failures after swap completion.**

Explanation

The source volume is mounted on a device that supports one or more features than the target device. If an application using the volume is taking advantage of any feature which is not available on the target device, this application may encounter I/O errors (command reject) after swap completion.

Device or subsystem features that might be exploited by an application and which have no IBM 3990 equivalent include:

Multiple Allegiance
Track data transfer CCWs
Trackset staging
Bi-Directional I/O
List Prefetch Optimizer

This warning indication can be suppressed by using the NOWARNING(1670) option on the SESSION control statement.

System action:
TDMF initialization continues, but the volume migration will be terminated if the I/O Monitor detects exploitation by an active application of a function that is not supported by the target device. The termination reason code will be "D8" in this case.

Detecting CSECT:
GTDBDDT

GTD1671I **The migration only to empty target volume system option was specified as ON.**

Explanation:
The user has requested that TDMF check the Volume Table of Contents (VTOC) of every target volume before starting the migration. The session will be abandoned if a target volume is specified which contains any dataset other than a VTOC index or Volume VSAM Dataset (VVDS).

System action:
TDMF initialization continues.

Detecting CSECT:
GTDMSTR

GTD1672E **Target volume *target-volser* contains data.**

Explanation:
The user has requested that TDMF check the Volume Table of Contents (VTOC) of every target volume before starting the migration. This volume was found to contain one or more datasets, so is not suitable for use as a target.

System action:
TDMF will terminate with message GTD1674S.

User response:
If this target volume serial was correctly specified, the volume must be reinitialized, or the option removed, before reattempting the migration.

Detecting CSECT:
GTDDDDT

GTD1673E **VTOC analysis on volume *target-volser* failed: return code *return-code*.**

Explanation

The user has requested that TDMF check the Volume Table of Contents (VTOC) of every target volume before starting the migration. Analysis of the VTOC on this volume could not be completed.

The return code from GTDCSEL is provided in the message text:

0C DSCB format error
10 I/O error reading target VTOC
14 Abend in GTDCSEL

System action:
TDMF will terminate with message GTD1674S.

User response:
Initialize the volume with ICKDSF before using it as a migration target.

Detecting CSECT:
GTDDDDT

GTD1674S **A target volume is not empty, or its VTOC is in error.**

Explanation:
The user has requested that TDMF check the Volume Table of Contents (VTOC) of every target volume before starting the migration. At least one volume was found to be unsuitable for use as a target.

System action:
TDMF terminates the migration session.

User response:
Examine the individual volume initialization messages, looking for GTD1672E or GTD1673E. Respond as appropriate for these messages then resubmit the migration job(s).

Detecting CSECT:
GTDDDDT

GTD1676S **The target volume is not capable of Dynamic Delete Space Release (DDSR) operations.**

Explanation:
During system initialization, the system has detected the either the RVA or SVA subsystem cannot receive DDSR CCWs due to either a previous unit check, or failure in the Query ECAM Device operation (message GTD1385W). This can also be caused if the DASD name subsystem returned during the query is invalid or was returned using the wrong character set.

System action:
TDMF execution is terminated.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDDDDT

GTD1679S **This Agent system is at the wrong TDMF version or release level.**

Explanation:
The TDMF session is being controlled by a Master system which is incompatible with the version or release of TDMF on this Agent system.

System action:
TDMF execution is terminated.

User response:
Check the STEPLIB specification in the Agent and Master JCL.

Detecting CSECT:
GTDSLAV

GTD1680S **This Agent system is at the wrong TDMF PTF level.**

Explanation:
The TDMF session is being controlled by a Master system which is at a different maintenance (PTF) level to this Agent system.

System action:
TDMF execution is terminated.

User response:
Check the STEPLIB specification in the Agent and Master JCL.

Detecting CSECT:
GTDSLAV

GTD1681S **The MASTER and AGENT systems do not have the same licensed features.**

Explanation:
An AGENT system is being initialized using a security key which is different from that of the MASTER system. One of the keys has a licensed feature (Offline Volume Access, Perpetual Point in Time or TCP/IP) that was not installed on the other system.

System action:
TDMF execution is terminated.

User response:
Verify that the Master and Agent jobs have the correct dataset specified on the GTDKEY DD statement. If different datasets must be used, reinstall the keys specifying the same features in each.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDSLAV

GTD1682I **The source volume *source-volser* is mounted on a control unit that supports FlashCopy.**

Explanation:
For a source volume of a migration request, the device is located on a control unit that currently has the new FlashCopy microcode installed. TDMF will temporarily disable the support of this hardware feature at volume initialization.

System action:
TDMF execution continues normally.

Detecting CSECT:
GTDBDDT

GTD1683I **The target volume *target-volser* is mounted on a control unit that supports FlashCopy.**

Explanation:
For a target volume of a migration request, the device is located on a control unit that currently has the new FlashCopy microcode installed. TDMF will temporarily disable the support of this hardware feature at volume initialization.

System action:
TDMF execution continues normally.

Detecting CSECT:
GTDBDDT

GTD1685S **Target volume *target-volser* not found.**

Explanation:
A target volume selected by TDMF for a Dataset Level migration is not mounted on this system.

System action:
TDMF terminates immediately.

User response

If this message is issued from the Master system, contact technical support for assistance.

Target volumes for a Dataset Level migration session must be online to all participating systems.

Detecting CSECT:
GTDADDT

GTD1686S **For target volume *target-volser* a Read Configuration Data I/O operation failed.**

Explanation:
For a target volume selected by TDMF for a Dataset Level migration, an attempt to read configuration data was unsuccessful.

System action:
TDMF terminates immediately.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDADDT

GTD1687S **For target volume *target-volser* the device information does not match the MASTER target volume.**

Explanation:
For a target volume selected by TDMF for a Dataset Level migration, the subsystem id and device tag returned by the Read Configuration Data CCW do not match those obtained by the MASTER system for this volume. The online volume with this serial number on this Agent appears to be mounted on a different physical device.

System action:
TDMF terminates immediately.

User response

Ensure that all systems in the session are accessing the same copy of any volume for which there are duplicates. .config m1685T87 off

Target volumes for a Dataset Level migration session must be online to all participating systems.

Detecting CSECT:
GTDADDT

GTD1692W **Volume swap out of HyperSwap® environment.**

Explanation

This migration volume is currently mounted on a device that is GDPS/PPRC or Basic HyperSwap managed. The target device is not under GDPS/PPRC or Basic HyperSwap control, so the volume will pass out of the user's HyperSwap configuration when the swap has completed.

This warning indication can be suppressed by using the NOWARNING(1692) option on the SESSION control statement.

System action:
TDMF session initialization continues.

User response:
Verify that the volume's data availability goals will still be attainable after successful swap completion.

Detecting CSECT:
GTDDDDT

GTD1694I **The pacing option to be implemented will use the reverse pacing technique.**

Explanation:
If the customer requests the pacing option, TDMF will use the reverse pacing technique instead of normal pacing. Normal pacing paces from high to low, while reverse pacing paces from low to high. Thus, while normal pacing starts with 15 tracks and paces downward to 1 track, reverse pacing starts with 1 track and paces upward to 15 tracks.

System action:
TDMF initialization continues.

Detecting CSECT:
GTDMSTR

GTD1695S **Automatic synchronization is invalid for a Perpetual Point-in-Time migration.**

Explanation:
A Perpetual Point-In-Time volume migration will be (repeatedly) synchronized on demand. The only accepted synchronization option is "Prompt".

System action:
TDMF terminates immediately.

User response:
Change the synchronization option and resubmit the migration job.

Detecting CSECT:
GTDMSTR, GTDRMST

GTD1696S **The Perpetual Point-In-Time Option must be specified for all volumes in the group.**

Explanation:
All volumes in a group must be in agreement as to the Perpetual Point-In-Time option.

System action:
TDMF terminates immediately.

Detecting CSECT:
GTDMSTR

GTD1697S **The Pacing Option must be consistent for all volumes in the group.**

Explanation:
All volumes in a group must be in agreement as to the volume Pacing option.

System action:
TDMF terminates immediately.

Detecting CSECT:
GTDMSTR

GTD1699S **The Master system is connected to the Communications Dataset using channel extenders.**

Explanation:
The volume containing the Communications Dataset appears to be attached through a channel extender or network switch. The size of the channel programs that are built by the Master system, and the importance of short response times, means that this configuration is unacceptable.

System action:
TDMF initialization terminates.

User response:
Allocate the Communications Dataset on a locally attached device.

Detecting CSECT:
GTDCOM2

GTD1700S **Error accessing security key. Return code *return-code*.**

Explanation

An attempt to read and validate the security key at session initialization was unsuccessful.

200 GTDKEYS member not found in GTDKEY library.
204 GTDKEYS member contains multiple text records.
208 Error in GTDKEY library directory.
212 Error reading the GTDKEYS member.
216 Error updating the GTDKEYS member.
220 Insufficient private area virtual storage.
224 GTDKEY library could not be opened.
228 Error in GTDAKEY (bad buffer pointer).
232 Error in GTDAKEY (bad function code).

System action:
TDMF initialization fails.

User response:
Check the library that was specified on the GTDKEY DD statement. It must be the same dataset that was used when the security keys were installed by the GTDLKEY program.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDINIT

GTD1701S The source device has an unsupported channel extender configuration.

Explanation:
One or more, but not all, of the online channel paths to the source device are attached to this system using channel extender hardware. TDMF regards this mix of direct and extended channel paths as invalid.

System action:
TDMF initialization terminates.

Programmer response:
Vary offline either the channel paths to which the channel extender hardware is connected, or the others.

Detecting CSECT:
GTDDDDT

GTD1702S The target device has an unsupported channel extender configuration.

Explanation:
One or more, but not all, of the online channel paths to the target device are attached to this system using channel extender hardware. TDMF regards this mix of direct and extended channel paths as invalid.

System action:
TDMF initialization terminates.

Programmer response:
Vary offline either the channel paths to which the channel extender hardware is connected, or the others.

Detecting CSECT:
GTDDDDT

GTD1703S The source device is attached through an unusable channel extender.

Explanation:
One or more of the channel extenders through which the source device is being accessed has a maximum buffer size which is insufficient to read one track of data.

System action:
TDMF initialization terminates.

Programmer response:
Correct the channel extender configuration and resubmit the migration job.

Detecting CSECT:
GTDDDDT

GTD1704S The target device is attached through an unusable channel extender.

Explanation:
One or more of the channel extenders through which the target device is being accessed has a maximum buffer size which is insufficient to write one track of data.

System action:
TDMF initialization terminates.

Programmer response:
Correct the channel extender configuration and resubmit the migration job.

Detecting CSECT:
GTDDDDT

GTD1705S The device containing the Communications Dataset has an unsupported channel extender configuration.

Explanation:
One or more, but not all, of the online channel paths to the Communications Dataset device are attached to this system using channel extender hardware. TDMF regards this mix of direct and extended channel paths as invalid.

System action:
TDMF initialization terminates.

Programmer response:

Vary offline either the channel paths to which the channel extender hardware is connected, or the others.

Detecting CSECT:
GTDCOM2

GTD1706W **The device containing the Communications Dataset has a non-optimal channel extender configuration.**

Explanation

One or more of the channel extenders through which the Communications Dataset is being accessed has a maximum buffer size which is less than the amount of data which might be read or written in a single I/O operation.

The channel extender hardware will split up TDMF's I/O requests to fit the buffer space available.

System action:
TDMF initialization continues.

Programmer response:
Consider increasing the buffer size for the channel extenders through which the Communications Dataset is being accessed.

Detecting CSECT:
GTDCOM2

GTD1707W **Pacing will be forced ON for this volume migration.**

Explanation

At least one of the channel extenders through which either the source or target device is being accessed has a maximum buffer size which is smaller than one cylinder of data. Although "pacing" was not requested for this volume, the number of tracks processed in each I/O operation will be limited by the size of the channel extender buffer.

While the pacing mechanism which is driven by Real Storage and I/O contention is disabled during synchronization, pacing caused by a channel extender buffer of insufficient size is in force throughout the volume migration.

System action:
TDMF initialization continues.

User response:
Configure the channel extender(s) to provide a buffer size large enough for one entire cylinder of data. This will prevent forced pacing. This message can be suppressed by specifying the pacing option for the volume.

Detecting CSECT:
GTDDDDT

GTD1708W **Compare operation will be elongated for this volume.**

Explanation:
The user requested comparison of the source and target volume contents at completion of the migration, which prevents access to the migrated volume while both are being read in their entirety - usually one cylinder at a time. However, for this volume, either the source or target volume is being accessed through channel extender hardware which is not configured to allow a cylinder of data to be read in one I/O operation.

System action:
TDMF initialization continues. During the volume comparison phase, one or both volumes will be read one track at a time.

User response:
Configure the channel extender(s) to provide a buffer size large enough for one entire cylinder of data or resubmit the volume migration without the compare option.

Detecting CSECT:
GTDDDDT

GTD1709I **Channel extender buffer size will restrict each read operation to tracks *tracks* or less.**

Explanation

The source device is connected to the TDMF Master system using channel extender(s). The number of tracks in the message text is the channel extender buffer size divided by the number of bytes of data which can be stored on one track of the device.

For this device, the maximum I/O buffer size supported by the channel extenders is insufficient for an entire cylinder of data, so TDMF will read each cylinder using multiple I/O requests.

System action:
TDMF initialization continues.

Detecting CSECT:
GTDDDDT

GTD1710I **Channel extender buffer size will restrict each write operation to tracks *tracks* or less.**

Explanation

The target device is connected to the TDMF Master system using channel extender(s). The number of tracks in the message text is the channel extender buffer size divided by the number of bytes of data which can be stored on one track of the device.

For this device, the maximum I/O buffer size supported by the channel extenders is insufficient for an entire cylinder of data, so TDMF will write each cylinder using multiple I/O requests.

System action:
TDMF initialization continues.

Detecting CSECT:
GTDDDDT

GTD1711S Invalid channel extender data from source device.

Explanation:
The source device is connected to the TDMF Master system using channel extender(s). Either the buffer size or its granularity is zero, in the data returned by the Read Subsystem Data CCW.

System action:
TDMF initialization fails.

User response:
Correct the configuration of the channel extender(s) through which the source device is accessed and resubmit the migration job.

Detecting CSECT:
GTDDDDT

GTD1712S Invalid channel extender data from target device.

Explanation:
The target device is connected to the TDMF Master system using channel extender(s). Either the buffer size or its granularity is zero, in the data returned by the Read Subsystem Data CCW.

System action:
TDMF initialization fails.

User response:
Correct the configuration of the channel extender(s) through which the target device is accessed and resubmit the migration job.

Detecting CSECT:
GTDDDDT

GTD1713S Authority checking failed. Return code: *return-code*, reason code: *reason-code*.

Explanation:
During session initialization, TDMF attempted to validate the license keys in the library specified on the GTDKEY DD statement. A non-zero return code was set by the key validation routine.

System action:
TDMF initialization fails.

Programmer response:
Contact technical support for assistance.

Problem determination:
The return codes from authorization checking are documented in the *IBM Transparent Data Migration Facility for z/OS Reference Guide*, Appendix C, Authorization Return Codes.

Detecting CSECT:
GTDINIT

GTD1714S A source volume is located on an EMC device that improperly supports consistency groups.

Explanation:
TDMF does not currently support EMC DASD that is a part of an EMC consistency group with the customer's current environment. The EMC environment is at a software level that is not current and is not supported by TDMF.

System action:
TDMF execution is terminated.

Programmer response:
Dynamically reconfigure the MVS configuration to remove this source volume from the EMC consistency group. Additionally the customer can install the latest level of EMC software that TDMF supports for EMC Consistency Groups.

Detecting CSECT:
GTDADDT

GTD1715S A target volume is located on an EMC device that improperly supports consistency groups.

Explanation:
TDMF does not currently support EMC DASD that is a part of an EMC consistency group with the customer's current environment. The EMC environment is at a software level that is not current and is not supported by TDMF.

System action:
TDMF execution is terminated.

Programmer response:
Dynamically reconfigure the MVS configuration to remove this target volume from the EMC consistency group, or use another target volume for this migration request. Additionally the customer can install the latest level of EMC software that TDMF supports for EMC Consistency Groups.

Detecting CSECT:
GTDADDT

GTD1716S A source volume is located on a UCB that has DCE information that is not supported.

Explanation:

TDMF does not currently support DCE information in the last eight bytes of a X'38' byte DCE.

System action:
TDMF execution is terminated.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDBDDT

GTD1717S **A target volume is located on a UCB that has DCE information that is not supported.**

Explanation:
TDMF does not currently support DCE information in the last eight bytes of a X'38' byte DCE.

System action:
TDMF execution is terminated.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDBDDT

GTD1718S **A source volume is located on a UCB that has a MIH key for a MIH control block that is missing.**

Explanation:
TDMF could possibly take an abend in IOS during the swap phase if the MIH keys of the source and target volumes have a mismatch and one of the MIH control blocks is missing.

System action:
TDMF execution is terminated.

Programmer response:
Issue a MVS SET IOS=xx command to rebuild the MVS MIH control blocks and retry the migration session.

Detecting CSECT:
GTDDDDT

GTD1719S **A target volume is located on a UCB that has a MIH key for a MIH control block that is missing.**

Explanation:
TDMF could possibly take an abend in IOS during the swap phase if the MIH keys of the source and target volumes have a mismatch and one of the MIH control blocks is missing.

System action:
TDMF execution is terminated.

Programmer response:
Issue a MVS SET IOS=xx command to rebuild the MVS MIH control blocks and retry the migration session.

Detecting CSECT:
GTDDDDT

GTD1720I **The number of concurrently active volume migrations will be limited to *active-limit*.**

Explanation

The user has requested that volume selection and initialization should be delayed, if necessary, until previously initiated migrations have completed.

This mechanism can reduce the amount of real storage used by TDMF, as well as limiting the frequency of I/O requests by the Master system. The order in which group migrations will be initiated is also affected by use of this option.

The number of concurrent volumes is specified in the SESSION statement CONCurrent option. The user can dynamically adjust the volume limit by typing over the "Number of concurrent volumes" field on the TSO Monitor's Session Status panel.

System action:
TDMF execution continues normally.

Detecting CSECT:
GTDMSTR

GTD1721I **The concurrently active migrations limit will apply only to volumes in the copy and first refresh phases.**

Explanation:
This message follows GTD1720I if the user requested the "active in copy" migration option for the session. With this option specified, a volume migration will be considered inactive as soon as the first volume refresh has completed - rather than at volume termination, which is the TDMF default. This option modifies the effect of the concurrently active migrations limit, in that the use of real storage is not controlled. This option is required if the number of volumes in a migration group exceeds the specified concurrently active volumes limit. This option will limit the number of volumes active in the first refresh after a Suspend/ Continue.

System action:
TDMF execution continues normally.

Detecting CSECT:
GTDMSTR

GTD1722I **Installed software for this system is: TDMF *patch_level* Level Software.**

Explanation:
TDMF Software Level for this system.

System action:
TDMF continues.

Detecting CSECT:
GTDINIT

GTD1724W **An ENFREQ LISTEN request failed. Event code: *event-code*, return code: *return-code*.**

Explanation:
TDMF has attempted to establish an ENF listen exit for the event whose ENF parameter list value appears in the message text. The request was rejected with the return code shown.

System action:
TDMF continues initialization. The ENF listening environment is incomplete, so TDMF may not be able to react immediately to certain system events.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDVUCB

GTD1725S **TDMF change summary module corrupted.**

Explanation:
TDMF change summary module is corrupted or not formatted properly.

System action:
TDMF terminates immediately.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDINIT

GTD1726S **TDMF change summary module could not be loaded.**

Explanation:
TDMF change summary module could not be loaded from load library.

System action:
TDMF terminates immediately.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDINIT

GTD1727I **Installed software for this system is: TDMF PTF *patch_level* Level.**

Explanation:
TDMF Software Level for this system.

System action:
TDMF continues.

Detecting CSECT:
GTDINIT

GTD1728I **Installed software for this system is: TDMF Base Level.**

Explanation:
TDMF Software Level for this system.

System action:
TDMF continues.

Detecting CSECT:
GTDINIT

GTD1729S **Unexpected CVT flag(s) at offset X'*offset*'. Contents of this byte: X'*flag-byte*'.**

Explanation:
The CVT on this MVS system indicates an unsupported release of the operating system, or the presence of an unsupported feature.

System action:
Message GTD1035S is issued, to indicate that TDMF is executing in a non-certified environment. TDMF execution is then terminated.

Programmer response:
Contact technical support for assistance. Inform the Support Center of the two hexadecimal values, *offset* and *flag-byte*, contained in the message text.

Detecting CSECT:
GTDINIT

GTD1730S **The MASTER and AGENT systems are not all using the same TDMF security key type.**

Explanation:
An AGENT system initialized using a security key different from the MASTER system. Example - the MASTER is initialized with a REGULAR security key and the AGENT initialized with a SERVICE security key.

System action:
TDMF execution is terminated.

User response:
Correct the dataset definition in the GTDKEY statement in the MASTER and/or AGENT jobs.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDSLAV

GTD1731I **The I/O Monitor module was found in Dynamic LPA.**

Explanation:
The GTDIMON load module has been loaded into ECSA by another TDMF session.

System action:

This TDMF session will use the copy of the I/O Monitor load module which was found in ECSA. Initialization continues.

Detecting CSECT:
GTDMAIN

GTD1732I **The I/O Monitor module has been loaded into Dynamic LPA.**

Explanation:
The GTDIMON load module has been loaded into ECSA by this TDMF session. If additional sessions are started they will share this copy of the I/O Monitor.

System action:
Initialization continues.

Detecting CSECT:
GTDMAIN

GTD1733W **The I/O Monitor module found in the Link Pack Area is unsuitable.**

Explanation

The GTDIMON load module has been found using the CSVQUERY macro. The module had not been loaded into fixed Extended Common Storage (ECSA) or it was loaded by a TDMF Master or Agent job at a different PTF level.

This warning indication can be suppressed by using the NOWARNING(1733) option on the SESSION control statement.

System action:
A new copy of GTDIMON will be loaded into ECSA for this TDMF session. The Dynamic LPA facility will not be used.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDMAIN

GTD1734W **The CSVQUERY macro failed. Return code: *return-code*.**

Explanation:
TDMF has attempted to determine whether a usable copy of the GTDIMON load module already exists in virtual storage. The CSVQUERY macro did not complete successfully.

System action:
A new copy of GTDIMON will be loaded into ECSA for this TDMF session. The Dynamic LPA facility will not be used.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDMAIN

GTD1735W **An attempt to add the I/O Monitor module to Dynamic LPA failed. Return code: *return-code*. Reason code: *reason-code*.**

Explanation:
The Dynamic LPA facility was invoked to load the GTDIMON load module into virtual storage. A non-zero return code was received from the CSVDYLPA macro.

System action:
A new copy of GTDIMON will be loaded into ECSA for this TDMF session. The Dynamic LPA facility will not be used.

Programmer response:
Contact technical support for assistance.

Problem determination:
If the CSVDYLPA macro returned additional diagnostic information in the LPMEA parameter, these flags will be displayed in the following GTD1769I message.

Detecting CSECT:
GTDMAIN

GTD1736I **The I/O Monitor load module was deleted from Dynamic LPA.**

Explanation:
The GTDIMON load module has been deleted from the Dynamic Link Pack Area using the CSVDYLPA macro.

System action:
Termination continues.

Detecting CSECT:
GTDTERM

GTD1737W **An attempt to delete the I/O Monitor module from Dynamic LPA failed. Return code: *return-code*. Reason code: *reason-code*.**

Explanation:
The GTDIMON load module was not successfully deleted using the CSVDYLPA macro.

System action:
Termination continues.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDTERM

GTD1738S **The duplex target device is attached through an unusable channel extender.**

Explanation:
One or more of the channel extenders through which the duplex target device is being accessed has a

maximum buffer size which is insufficient to write one track of data.

System action:
TDMF initialization terminates.

Programmer response:
Correct the channel extender configuration and resubmit the migration job.

Detecting CSECT:
GTDDDDT

GTD1739S Invalid channel extender data from duplex target device.

Explanation:
The duplex target device is connected to the TDMF system using channel extender(s). Either the buffer size or its granularity is zero, in the data returned by the Read Subsystem Data CCW.

System action:
TDMF initialization fails.

User response:
Correct the configuration of the channel extender(s) through which the duplex target device is accessed and resubmit the migration job.

Detecting CSECT:
GTDDDDT

GTD1740I By user request, no write operation will exceed *tracks* track(s).

Explanation:
The user has requested that each I/O request for the volume will not transfer more than a specified number of tracks.

System action:
TDMF execution continues normally.

Detecting CSECT:
GTDMSTR, GTDRMST

GTD1741S Unacceptable value specified for Maximum Tracks.

Explanation:
The value specified in the "MAXTRacks(*n*)" option controls the maximum number of tracks per I/O request for each volume. Only "1", "3", "5", or "15" may be specified. The default is 15, which allows a full cylinder read and write buffer. During the copy phase the size of each read and write operation depends on both the MAXTRKS and PACING options. During refresh and synchronization, the I/O buffer size will usually be smaller than the maximum permitted, because only updated tracks are copied in these migration phases.

System action:
TDMF terminates immediately.

User response:
Specify a valid number of maximum tracks per I/O request (1, 3, 5 or 15) in the SESSION, GROUP or MIGRATE statement options.

Detecting CSECT:
GTDMSTR, GTDRMST

GTD1742S For a source volume, The EMC Consistency Group info does not match the MASTER source volume.

Explanation:
For a source volume of a migration request, the device information specified for the source volume does not match the consistency group information specified by the Master.

System action:
TDMF execution is terminated.

Detecting CSECT:
GTDBDDT

GTD1743S For a target volume, The EMC Consistency Group info does not match the MASTER target volume.

Explanation:
For a target volume of a migration request, the device information specified for the target volume does not match the consistency group information specified by the Master.

System action:
TDMF execution is terminated.

Detecting CSECT:
GTDBDDT

GTD1744S For a swap migration, the EMC Consistency Group status does not match on the source and target volumes.

Explanation:
The user is attempting to migrate to a target volume that does NOT support EMC Consistency Groups or the Consistency Group is not active on the target volume, or the Consistency Group name is not the same for both volumes. Since this would destroy the customer's disaster recovery environment, this migration is not allowed and is treated as an error.

System action:
TDMF execution is terminated.

Detecting CSECT:
GTDDDDT

GTD1745W Ownerless I/O Monitor module found in the Link Pack Area: execute GTDCLUP.

Explanation:
The GTDIMON load module has been found using the CSVQUERY macro; however, there are no active sessions using this module. This indicates the failure of an earlier TDMF session to correctly clean up at termination and there might still be devices from this session using the module.

System action:
A new copy of GTDIMON will be loaded into ECSA for this TDMF session. The Dynamic LPA facility will not be used.

Programmer response:
Execute the GTDCLUP program to clean up storage and UCBs that the previous session failed to do. The program will delete this copy of the I/O Monitor once it has corrected any DDTSIO fields that point to it. Contact technical support for assistance.

Detecting CSECT:
GTDMAIN

GTD1747S The module IECDPRFX was not found in the MVS nucleus.

Explanation:
The required module was not found in the MVS system.

System action:
TDMF execution is terminated.

Detecting CSECT:
GTDINIT

GTD1752S A communications dataset is located on a device that improperly supports consistency groups.

Explanation:
TDMF does not currently support EMC DASD that is a part of an EMC consistency group with the customer's current environment. The EMC environment is at a software level that is not current and is not supported by TDMF. Additionally the customer can install the latest level of EMC software that TDMF supports for EMC Consistency Groups.

System action:
TDMF execution is terminated.

Programmer response:
Allocate the communications dataset on another volume.

Detecting CSECT:
GTDEDDT

GTD1753I Target Volume Empty option set to "N" or not specified.

Explanation:
Target Volume Empty option set to "N" or not specified. "N" is the default when not specified.

System action:
This TDMF migration continues normally.

Detecting CSECT:
GTDMSTR

GTD1757S A source volume is located on a dasd device that has an invalid DDT SIO exit address.

Explanation:
TDMF has detected a DDT that contains a pointer to a routine other than IECDPRFX, or that has an invalid format.

System action:
TDMF execution is terminated.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDADDT

GTD1758S A target volume is located on a dasd device that has an invalid DDT SIO exit address.

Explanation:
TDMF has detected a DDT that contains a pointer to a routine other than IECDPRFX, or that has an invalid format.

System action:
TDMF execution is terminated.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDADDT

GTD1759I The option to call ICKDSF for VTOC and index maintenance has been requested.

Explanation:
The "automatic ICKDSF" option has been set to ON by an OPTIONS statement in the TDMF job stream.

System action:
TDMF initialization continues.

Detecting CSECT:
GTDMSTR

GTD1760S TDMF was unable to establish the ICKDSF environment.

Explanation:
The user has requested that TDMF invoke the ICKDSF program to correct the VTOC and index formats after a swap migration. Either a REGION less than 2M was

specified or an attempt to load the ICKDSF program or to allocate a messages file was unsuccessful.

System action:
TDMF execution is terminated.

Detecting CSECT:
GTDMSTR, GTDRMST

GTD1761I **The ICKDSF program will be invoked to rebuild the VTOC and index for a volume.**

Explanation:
This swap migration would create a mismatch between the logical device configuration, in the VTOC and index records, and the physical characteristics of the target device. After a successful swap, TDMF will invoke the ICKDSF program on the Master system to perform the "REFORMAT" function with either the "REFVTOC" or "EXTVTOC" parameter. ICKDSF will not be invoked when running in Approval Mode and the configuration is disapproved.

System action:
TDMF initialization continues.

Detecting CSECT:
GTDBDDT

GTD1762I **The option to ignore unidentified systems in logical path data has been set.**

Explanation:
An OPTIONS statement in the TDMF job stream requested that message GTD2381I should be issued if logical paths are found to be established to a volume pair from systems that are not participating in this migration. With this option set, the presence of non-participating systems in a volume's logical path data will prevent message GTD2377W being issued, with the accompanying program return code of four.

System action:
TDMF initialization continues.

Detecting CSECT:
GTDMSTR

GTD1763I **The option to terminate a migration if unidentified systems are found in a volume's logical path data has been set.**

Explanation:
An OPTIONS statement in the TDMF job stream requested that message GTD2383E should be issued if logical paths are found to be established to a volume pair from systems that are not participating in this migration. With this option set, the presence of non-participating systems in a volume's logical path data will prevent the volume being selected for migration.

System action:
TDMF initialization continues.

Detecting CSECT:
GTDMSTR

GTD1764S **Invalid specification of the Unidentified Logical Paths option.**

Explanation:
The SESSION control statement unidentified systems option has been specified with an unsupported parameter. The syntax is OPT(UNIDENTifiedsystems(x)) where "x" can only be one of the following: Error, Terminate, Warning and Ignore. The message will also be issued if the old type fixed format control statements are being used and the value in cc45 of the OPTIONS statement is not blank, E, T, W or I.

System action:
TDMF terminates immediately.

User response:
Choose the processing required on detection of unidentified connected systems and set this option character accordingly. Refer to the *IBM Transparent Data Migration Facility for z/OS Reference Guide* for more information. Refer also to messages GTD2377W, GTD2381I, GTD2382I and GTD2383E.

Detecting CSECT:
GTDMSTR, GTDRMST

GTD1765S **UNIDENTIFIEDSYSTEMS parameter conflicts with the UNIDENTIFIED SYSTEMS ACTION = ENFORCETERMINATE installation option.**

Explanation:
The SESSION control statement unidentified systems option has been specified with a conflicting parameter. When the UNIDENTIFIED SYSTEMS ACTION installation option is set to ENFORCETERMINATE, the only valid value for the UNIDENT Session parameter is "T". The message will also be issued if the old type fixed format control statements are being used and the value in cc45 of the OPTIONS statement is not T.

System action:
TDMF terminates immediately.

User response:
Change the session parameter or the installation option to be compatible with each other.

Detecting CSECT:
GTDMSTR, GTDRMST

GTD1766I **Data Compression will be performed for this volume.**

Explanation:

The Run Length Encoding mechanism will be used to reduce the number of bytes transmitted to the REMOTE target volume. Compression should not be requested for a volume that contains encrypted or compressed data, or if the saving in transmission time cannot justify the additional CPU service consumed by the compress (local system) and expand (remote system) routines. It is also possible that the network contains data compression components which are more effective than the Run Length Encoding technique used by TDMF and that selection of this MIGRATE statement option might actually elongate a volume migration.

System action:
TDMF continues control statement analysis.

Detecting CSECT:
GTDMSTR, GTDRMST

GTD1767S The Data Compression option may only be specified for a TCP/IP volume migration.

Explanation:
The user has provided a value for the Data Compression option for this volume, but the migration type is neither "I" (TCP/IP remote target volume) nor "B" (both local and remote target volumes). The Data Compression option may only be specified for a volume migration where data must be transmitted or received across a TCP/IP link.

System action:
TDMF execution is terminated.

User response:
Check that the migration type field is correctly specified. If so, blank column 75 in this MIGRATE statement and resubmit the Master job.

Detecting CSECT:
GTDMSTR

GTD1768W The I/O Monitor load module was not deleted from Dynamic LPA.

Explanation:
During termination for this session TDMF has detected that a migration session that was sharing the I/O Monitor module may have terminated without completing resource management and clean up processing. Also see the explanation for message GTD1745W.

System action:
The I/O Monitor load module remains in Dynamic LPA where it will be detected and treated as an "orphaned module" by subsequent TDMF sessions.

User response:
Execute GTDCLUP to validate that no devices are currently using an orphaned copy of the I/O Monitor and to delete the module from Dynamic LPA.

Detecting CSECT:
GTDTERM

GTD1769I Dynamic LPA processing set LPMEAOUTPUTFLAGS: X'*flags*'.

Explanation:
An attempt to add the TDMF I/O Monitor module to dynamic LPA was unsuccessful. This message displays the 16 bits of diagnostic information supplied by the CSVDYLPA macro.

Problem determination:
These flags are defined in the CSVLPRET data area.

Detecting CSECT:
GTDMAIN

GTD1770S A duplex volume serial was not provided.

Explanation:
The user has requested a PIT copy migration, with either a local or remote duplex target volume, but no volume serial number was supplied in the MIGRATE statement (columns 29 through 34).

System action:
TDMF execution is terminated.

Detecting CSECT:
GTDMSTR

GTD1771I Dynamic LPA processing set LPMEARSNCODE: X'*reason-code*'.

Explanation:
An attempt to add the TDMF I/O Monitor module to dynamic LPA was unsuccessful. The CSVDYLPA service set the LPMEAMODPROBRETURNCODEINFO flag to indicate that an unexpected return code had been received from an internally invoked function. This message displays all 32 bits of the LPMEARSNCODE field returned by the CSVDYPLPA macro.

Problem determination:
Check the console log (SYSLOG) for Contents Supervisor messages, with CSV or IEW prefixes.

Detecting CSECT:
GTDMAIN

GTD1779S DOVA target volser verification error.

Explanation:
The user has specified a unit address for a DOVA session, but the volume serial number on this device does not match what was supplied in the VERIFY parameter of the REPLICATE control statement.

System action:

TDMF execution is terminated.

User response:
Determine the unit address and the actual serial number of the volume to which the I/O requests for this source volume from OVA jobs should be redirected and resubmit the Master job.

Detecting CSECT:
GTDCDDT

GTD1780S IDENTIFY macro failed. Return code: *return-code*.

Explanation:
The user has requested the AUTOOPERATIONS migration option and TDMF is attempting to ATTACH a service task to issue WTO and WTOR macros. An attempt to identify the entry point of the asynchronous message routine was unsuccessful.

System action:
TDMF execution is terminated.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDCDDT

GTD1781S ATTACH macro failed. Return code: *return-code*.

Explanation:
The user has requested the AUTOOPERATIONS migration option and TDMF is attempting to ATTACH a service task to issue WTO and WTOR macros. An attempt to ATTACH the asynchronous message routine was unsuccessful.

System action:
TDMF execution is terminated.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDCDDT

GTD1782I The source volume *source-volser* supports space efficient FlashCopy.

Explanation:
For a source volume of a migration request, the device is located on a control unit that currently has the new space efficient FlashCopy microcode installed. TDMF will temporarily disable the support of this hardware feature at volume initialization.

System action:
TDMF execution continues normally.

Detecting CSECT:
GTDBDDT

GTD1783I The target volume *target-volser* supports space efficient FlashCopy.

Explanation:
For a target volume of a migration request, the device is located on a control unit that currently has the new space efficient FlashCopy microcode installed. TDMF will temporarily disable the support of this hardware feature at volume initialization.

System action:
TDMF execution continues normally.

Detecting CSECT:
GTDBDDT

GTD1784I The duplex volume *duplex-volser* supports space efficient FlashCopy.

Explanation:
For a target volume of a migration request, the device is located on a control unit that currently has the new space efficient FlashCopy microcode installed. TDMF will temporarily disable the support of this hardware feature at volume initialization.

System action:
TDMF execution continues normally.

Detecting CSECT:
GTDBDDT

GTD1785S A Private Area (above 16MB) storage request failed.

Explanation:
A request to obtain storage from the extended private area for a remote System Data Mover system was unsuccessful.

System action:
TDMF execution is terminated.

User response:
Refer to the *IBM Transparent Data Migration Facility for z/OS Reference Guide* for estimating virtual storage requirements.

Detecting CSECT:
GTDMAIN

GTD1786I The target device is not installed on this system (volume *target-volser*).

Explanation:
At TDMF initialization, the target device does not appear to have a UCB defined on this system. TDMF attempted to find either an online UCB for the volume, or an SSSCB for the target device. If the device is installed, but has never been brought online to this z/OS system there will not be an SSSCB.

System action:
TDMF continues normally.

Detecting CSECT:
GTDVUCB

GTD1787I The duplex device is not installed on this system (volume *duplex-volser*).

Explanation:
At TDMF initialization, the duplex or remote target device does not appear to have a UCB defined on this system. TDMF attempted to find either an online UCB for the volume, or an SSSCB for the duplex target device. If the device is installed, but has never been brought online to this z/OS system there will not be an SSSCB.

System action:
TDMF continues normally.

Detecting CSECT:
GTDVUCB

GTD1788I The source device is offline on this system.

Explanation:
At TDMF initialization, the source device is offline to this Agent system.

System action:
TDMF continues normally.

Detecting CSECT:
GTDVUCB

GTD1789I The target device is offline on this system.

Explanation:
At TDMF initialization, the target device is offline to this Agent system.

System action:
TDMF continues normally.

Detecting CSECT:
GTDVUCB

GTD1790I The duplex device is offline on this system.

Explanation:
At TDMF initialization, the duplex or remote target device is offline to this Agent system.

System action:
TDMF continues normally.

Detecting CSECT:
GTDVUCB

GTD1791S Swap migration requires source volume online.

Explanation:
At TDMF initialization, the target volume is online to this Agent system, but the source volume is not.

System action:
TDMF terminates immediately.

User response:
Vary the source device online or the target device offline.

Detecting CSECT:
GTDVUCB

GTD1792S Swap migration requires target volume online.

Explanation:
At TDMF initialization, the source volume is online to this Agent system, but the target volume is not.

System action:
TDMF terminates immediately.

User response:
Vary the target device online or the source device offline.

Detecting CSECT:
GTDVUCB

GTD1793I The source device is not installed on this system (volume *source-volser*).

Explanation:
At TDMF initialization, the source device does not appear to have a UCB defined on this Agent system. TDMF attempted to find either an online UCB for the volume, or an SSSCB for the source device. If the device is installed, but has never been brought online to this z/OS system there will not be an SSSCB.

System action:
TDMF continues normally.

Detecting CSECT:
GTDVUCB

GTD1799I The GEOCB control block does not appear to be valid.

Explanation:
On this system, the control block addressed by slot 85 of the Customer Anchor Table is not a GDPS parameter area with a valid PPRC section.

System action:
TDMF initialization continues normally, but an attempt to swap GDPS/PPRC HyperSwap managed volumes will fail with message GTD1867S or GTD1868S.

Detecting CSECT:
GTDINSE

GTD1800I This volume will not be migrated by TDMF.

Explanation:
Instead of a target volume serial number, the user has specified a unit address. TDMF will assume that this unit already contains a Point-In-Time copy of the source volume.

System action:
TDMF continues initialization.

Detecting CSECT:
GTDMSTR, GTDRMST

GTD1802S A migration type of Swap may not be specified for this volume.

Explanation:
The user has requested a DOVA target device for this volume, but has also requested a Swap migration type. The migration type (column 36) is not applicable for this volume and should be left blank.

System action:
TDMF terminates immediately.

User response:
Blank the migration type field on this MIGRATE control statement and resubmit the Master job.

Detecting CSECT:
GTDMSTR

GTD1803S The synchronization method may not be specified for this migration.

Explanation:
The user has requested a DOVA target device for this volume, but has also requested either automatic or prompted synchronization. The synchronization method (column 38) is not applicable for this volume and must be left blank.

System action:
TDMF terminates immediately.

User response:
Blank the synchronization method field on this MIGRATE control statement and resubmit the Master job.

Detecting CSECT:
GTDMSTR

GTD1804S The volume purge option may not be specified for this migration.

Explanation:
The user has requested a DOVA target device for this volume, but has specified either Yes or No for a purge of the target volume. The purge option (column 40) is not applicable for this volume and must be left blank.

System action:
TDMF terminates immediately.

User response:
Blank the volume purge option field on this MIGRATE control statement and resubmit the Master job.

Detecting CSECT:
GTDMSTR

GTD1805S The volume compare option may not be specified for this migration.

Explanation:
The user has requested a DOVA target device for this volume, but has specified either Yes or No for a comparison of the source and target volume contents. The compare option (column 42) is not applicable for this volume and must be left blank.

System action:
TDMF terminates immediately.

User response:
Blank the volume compare option field on this MIGRATE control statement and resubmit the Master job.

Detecting CSECT:
GTDMSTR

GTD1806S A synchronization goal may not be specified for this migration.

Explanation:
The user has requested a DOVA target device for this volume, but has specified a volume synchronization goal. The synchronization goal (columns 44-46) is not applicable for this migration and must be left blank.

System action:
TDMF terminates immediately.

User response:
Blank the synchronization goal field on this MIGRATE control statement and resubmit the Master job.

Detecting CSECT:
GTDMSTR

GTD1807S The volume pacing option may not be specified for this migration.

Explanation:
The user has requested a DOVA target device for this volume, but has specified either Yes or No for I/O and real storage management through the TDMF pacing mechanism. The pacing option (column 57) is not applicable for this migration and must be left blank.

System action:
TDMF terminates immediately.

User response:
Blank the pacing option field on this MIGRATE control statement and resubmit the Master job.

Detecting CSECT:
GTDMSTR

GTD1808S The volume Fast Copy option may not be specified for this migration.

Explanation:
The user has requested a DOVA target device for this volume, but has specified either Yes or No for the option to speed up the migration copy phase by ignoring unallocated disk space on the source volume. The Fast Copy option (column 67) is not applicable for this migration and must be left blank.

System action:
TDMF terminates immediately.

User response:
Blank the Fast Copy option field on this MIGRATE control statement and resubmit the Master job.

Detecting CSECT:
GTDMSTR

GTD1809S The Offline Volume Access (OVA) option must be specified for this migration.

Explanation:
The user has requested an OVA target device for this volume, but has not specified Yes for the OVA option. OVA (a "Y" in column 69) is required for this migration.

System action:
TDMF terminates immediately.

User response:
Specify OVA on this MIGRATE statement and resubmit the Master job.

Detecting CSECT:
GTDMSTR

GTD1810S The Perpetual Point in Time (PPIT) option must not be specified for this migration.

Explanation:
The user has requested a DOVA target device for this volume, but has requested a PPIT migration. The PPIT option (column 71) is not applicable for this migration and must be left blank.

System action:
TDMF terminates immediately.

User response:
Blank the PPIT option field on this MIGRATE statement and resubmit the Master job.

Detecting CSECT:
GTDMSTR

GTD1811S This migration group contains an invalid mix of migration types.

Explanation:
The group contains both target volume serial numbers and DOVA target devices. Processing of these migration types is so dissimilar that mixing them within a volume group is meaningless.

System action:
TDMF terminates immediately.

User response:
Change the MIGRATE statements so that the DOVA volumes are ungrouped or add a group to contain only these volumes. Resubmit the Master job.

Detecting CSECT:
GTDMSTR

GTD1812S The specified volume mirroring mechanism is not recognized.

Explanation:
A device address was specified for a migration target (a DOVA type migration), but the indicator for the type of volume mirroring that was active for the source volume is not recognized by TDMF.

System action:
TDMF terminates immediately.

User response:
Place a supported mirror type in column 23 of the MIGRATE statement and resubmit the Master job.

Detecting CSECT:
GTDMSTR

GTD1813S For a DOVA migration, the serial number on the target device does not match the source.

Explanation:
For a DOVA migration, the target device must already be a copy of the source volume before TDMF is initialized. For this migration the serial number of the volume on the target device is not equal to that of the source volume.

System action:
TDMF execution is terminated.

User response:
Ensure that the device number has been correctly coded on the MIGRATE statement.

Problem determination:
If the message is issued by an Agent system, this indicates that the device number of the target unit differs from that on the Master system.

Detecting CSECT:
GTDCDDT

GTD1814S For a DOVA migration, the target device specified was online.

Explanation:

The device number of the unit containing a copy of the source volume is online to this system. Since a valid target volume for a DOVA migration has the same serial number as the source volume, it cannot be online.

System action:
TDMF execution is terminated.

Detecting CSECT:
GTDVUCB

GTD1815S **For a DOVA migration, the target device specified is unusable.**

Explanation:
The device containing the copy of the source volume, as specified on the MIGRATE statement for this volume, cannot be accessed from this system.

System action:
TDMF execution is terminated.

Problem determination

The flags that are tested by TDMF are the following:

UCBDEFER
UCBPERM
UCBBOX
UCBNOPTH
UCBNOCON
UCBHDET
UCBIOSN

Detecting CSECT:
GTDVUCB

GTD1816S **The MIGRATE unit address specified for the target volume is invalid.**

Explanation:
The unit address provided for a DOVA migration target in columns 24 through 27 of the MIGRATE statement is not a valid four character hexadecimal expression.

System action:
TDMF execution is terminated.

User response:
Determine the unit address of the device containing a Point-In-Time copy of the source volume and specify this address on the MIGRATE statement.

Detecting CSECT:
GTDMSTR

GTD1817S **For the communications dataset (SYSCOM), an exclusive ENQ request failed.**

Explanation:
An exclusive ENQ request failed for the communications dataset (SYSCOM). Although multiple TDMF sessions may be active concurrently, each TDMF session must use an individual communications dataset. An ENQ macro is used to validate this during initialization. The ENQ is issued with a SCOPE of SYSTEM; the major name is the serial number of the volume upon which the communications dataset resides and the minor name is the communications dataset name. This message indicates that multiple TDMF jobs for the same session are attempting execution within the same MVS system or that two TDMF sessions are using the same communications dataset.

System action:
TDMF execution is terminated.

Programmer response:
Ensure that the jobs in each TDMF session have the correct dataset name on their SYSCOM DD statements and that every TDMF job has the correct system affinity (SYSAFF) specified.

Detecting CSECT:
GTDMAIN

GTD1818S **The specified volume mirroring mechanism is not recognized.**

Explanation:
A device address was specified for a replication target (a DOVA type migration), but the indicator for the type of volume mirroring that was active for the source volume is not recognized by TDMF.

System action:
TDMF terminates immediately.

User response:
Prefix the DOVA target device number with a supported mirror type and resubmit the DOVA Master job.

Detecting CSECT:
GTDRMST

GTD1819S **The unit address specified for the DOVA target volume is invalid.**

Explanation:
The unit address provided for a DOVA migration target device (character positions three through six of the pseudo volume serial number) is not a valid four character hexadecimal expression.

System action:
TDMF execution is terminated.

User response:
Determine the unit address of the device containing a Point-In-Time copy of the source volume and specify this address on the REPLICATE statement.

Detecting CSECT:
GTDRMST

GTD1820E **Smaller target volume *target-volser* is duplex pending.**

Explanation:
The number of primary cylinders returned by the target device in response to a Read Device Characteristics CCW is smaller than the number of cylinders described by the source volume VTOC. The TDMF automatic ICKDSF option was specified for the volume, but the target device is in "duplex pending" status which is not supported by ICKDSF for a REFORMAT REFVTOC operation. This can occur if the target volume uses normal PPRC function or is a HDS dasd volume with TrueCopy active.

System action:
Message GTD1825S is issued and the TDMF session is terminated.

User response:
Choose a larger device for the target of this migration, or wait until the chosen target volume achieves duplex status, and resubmit the migration.

Detecting CSECT:
GTDDDDT

GTD1821E **A PIT migration target device is smaller than the source.**

Explanation:
The number of primary cylinders returned by the target device in response to a Read Device Characteristics CCW is smaller than the number returned by the source.

System action:
Message GTD1825S is issued and the TDMF session is terminated.

User response:
Choose a larger device for the target of this Point-In-Time copy and resubmit the migration.

Detecting CSECT:
GTDBDDT

GTD1822I **A volume is being migrated to a smaller device.**

Explanation

The target device for this swap migration is smaller than the source device. Further validity checking is required. TDMF can migrate a volume to a smaller device in two situations:

Shrink Migration. The volume is indexed and eligible for automatic ICKDSF processing. The migration will be terminated if the VTOC index shows there is data resident at cylinder addresses beyond the size of the target device.

Reverse Migration. The source volume (the number of cylinders defined in the Volume Table of Contents) is not larger than the target device.

System action:
TDMF initialization continues. If the migration is allowed to proceed, only the cylinders from the source volume that will fit on to the target are copied.

Detecting CSECT:
GTDBDDT

GTD1823E **A Swap migration target device is smaller than the source.**

Explanation:
The target device is invalid for this Swap migration because the number of primary cylinders it returned in response to a Read Device Characteristics CCW is smaller than the number returned by the source. The VTOC would not be corrected after the migration because either the "automatic ICKDSF" option was not specified, the volume is not mounted with the PRIVATE attribute, it contains a page dataset or the "Approval" option was specified. When migrating a volume to a smaller target device, TDMF uses the space allocation maps in the VTOC index to ensure no user data would be discarded. This message will be issued if the source volume does not contain a valid VTOC index.

System action:
Message GTD1825S is issued and the TDMF session is terminated.

User response:
Specify the "automatic ICKDSF" option for this migration session, if the volume meets the above criteria, or choose a larger device for the target of this volume Swap and resubmit the migration.

Detecting CSECT:
GTDBDDT

GTD1824W **A volume is being migrated to a smaller device.**

Explanation:
The target device for this swap migration is smaller than the volume as described by the Volume Table of Contents (VTOC). This warning indication can be suppressed by using the NOWARNING(1824) option on the SESSION control statement.

System action:
TDMF will monitor dataset allocations on the volume during the migration to ensure that the volume will fit on to the target device. After the volume swap, ICKDSF will be invoked to reformat the VTOC and its index.

Detecting CSECT:

GTDBDDT

GTD1825S The TDMF session contains an unsupported migration to a smaller target device.

Explanation:
For one or more volume MIGRATE statements the number of primary cylinders configured on the target device is less than that of the source device.

System action:
TDMF execution is terminated.

User response:
Respond as appropriate for the accompanying message(s) GTD1821E, GTD1823E, GTD1828E or GTD1829E.

Problem determination:
Message GTD1821E is issued for a PIT volume migration where the target device is smaller than the source. Message GTD1823E is issued for a swap migration to a smaller device, even if the "automatic ICKDSF" option was specified, if the volume does not have a valid index, is not mounted "PRIVATE", is a page volume or the "Approval" option was specified. Message GTD1829E is issued if a cylinder that could not be copied to the target volume is marked in the VTOC index as being in use.

Detecting CSECT:
GTDDDDT

GTD1826W ANTRQST REQUEST=LEVEL Macro failed. Return code: *return-code*.

Explanation:
The installation option to dynamically monitor Extended Remote Copy (XRC) sessions was set. During system initialization, TDMF is attempting to determine whether the level of DF/SMS installed on this system supports the REQUEST=XQUERY service. TDMF was unable to extract the ANTRQST macro level; the message contains the decimal return code from the ANTRQST macro.

System action:
Processing continues. TDMF will not attempt to use the "REQUEST=XQUERY" form of the ANTRQST macro.

Detecting CSECT:
GTDADDT

GTD1827W XQUERY service not available. ANTRQST macro level: *macro-level*.

Explanation:
The installation option to dynamically monitor Extended Remote Copy (XRC) sessions was set, but TDMF has determined during system initialization that the level of DF/SMS installed on this system does not support the ANTRQST REQUEST=XQUERY service. The message contains the hexadecimal value returned by the ANTRQST REQUEST=LEVEL macro.

System action:
Processing continues. TDMF will not attempt to use the "REQUEST=XQUERY" form of the ANTRQST macro.

Detecting CSECT:
GTDADDT

GTD1828E The VTOC or Index address is invalid for the target device.

Explanation

The target device is unsuitable for this Swap migration because the number of primary cylinders it returned in response to a Read Device Characteristics CCW is smaller than the number returned by the source. The VTOC or its index resides at a cylinder address that is not supported by the target device.

Note that this message may also be issued if the source volume has not been used by dataset allocation on the Master system, because in this case the VTOC index ending cylinder address cannot be determined by TDMF.

System action:
Message GTD1825S is issued and the TDMF session is terminated.

User response:
Choose a larger device for the target of this volume Swap and resubmit the migration.

Detecting CSECT:
GTDBDDT

GTD1829E A dataset is allocated on the source volume at a cylinder address not supported on the target.

Explanation:
The target device is unsuitable for this Swap migration because the number of primary cylinders it returned in response to a Read Device Characteristics CCW is smaller than the number returned by the source. A dataset was found to be allocated at a cylinder address that is not supported by the target device.

System action:
Message GTD1825S is issued and the TDMF session is terminated.

User response:
Choose a larger device for the target of this volume Swap and resubmit the migration.

Detecting CSECT:
GTDDDDT

GTD1830I **IXCCREAT Macro failed for system. Return code: *return-code*, reason code: *reason-code*.**

Explanation:
During system initialization, TDMF is attempting to establish a cross-system services (XCF) environment for this multisystem session. The message contains the return and reason codes from the IXCCREAT macro displayed as hexadecimal values. The XCF group name used is "GTD". The member name has the format "GTD@ssssaaaa," where "ssss" is the systems SMF identifier and "aaaa" is the address space id (ASID) of the TDMF Master job.

System action:
Processing continues. TDMF will not attempt to use XCF services in the session.

Detecting CSECT:
GTDINSE

GTD1831I **IXCJOIN Macro failed for system. Return code: *return-code*, reason code: *reason-code*.**

Explanation:
During system initialization, TDMF is attempting to add this system to the TDMF cross-system services (XCF) group. The message contains the return and reason codes from the IXCJOIN macro displayed as hexadecimal values.

System action:
Processing continues. If this failure occurs on the Master system, XCF services for the entire session will not be available. If the failure occurred during Agent system initialization the system will be unable to participate in TDMF cross-system communications.

Detecting CSECT:
GTDINSE

GTD1832W **IXCLEAVE Macro failed for system. Return code: *return-code*, reason code: *reason-code*.**

Explanation:
During system termination, TDMF is attempting to remove this system from the "GTD" cross-system services (XCF) group. The message contains the return and reason codes from the IXCLEAVE macro displayed as hexadecimal values.

System action:
Termination continues. XCF will change the member status to "failed" when the session completes. The next TDMF session to initialize in the sysplex will attempt to delete this member from the group.

Detecting CSECT:
GTDTERM

GTD1833W **Agent TCP/IP error: Function *function*, error code *err-code*.**

Explanation

This TDMF Agent system is initializing the environment required by the TCP/IP Application Programming Interface (API) to communicate with the TDMF Master system. An EZASMI macro to communicate with the TCP/IP API was not successful. The message describes the function that failed (TYPE=) and the error code returned by the API.

The function code will be one of the following:

01 INITAPI.
02 GETHOSTID. No error code is returned for this call.

Error codes returned by the TCP/IP Application Programming Interface (API) for socket calls are documented in the IBM manual: z/OS Communications Server IP Sockets Application Programming Interface Guide and Reference.

System action:
Agent system initialization continues, but the TCP/IP responsiveness enhancement will be disabled.

Programmer response:
Determine the cause of this TCP/API detected error and take corrective action. If unable to determine the cause of the error contact technical support for assistance.

Detecting CSECT:
GTDXSR0

GTD1834W **ATTACHX failed for GTDXSA1 subtask. Return code: *return-code*.**

Explanation:
This TDMF Agent system is attempting to set up a communications server task for TCP/IP communication with the TDMF Master system. An ATTACHX macro to start the server task set a non-zero return code.

System action:
Agent system initialization continues, but the TCP/IP responsiveness enhancement will be disabled.

Programmer response:
Determine the cause of this ATTACHX detected error and take corrective action. If unable to determine the cause of the error contact technical support for assistance.

Detecting CSECT:
GTDXSR0

GTD1835W **Agent TCP/IP error: Function *function*, error code *err-code*.**

Explanation
This TDMF Agent system has established a TCP/IP communications server subtask to communicate with the TDMF Master system. An EZASMI macro, requesting a service from the TCP/IP API was not successful. The message describes the function that failed (TYPE=) and the error code returned by the API.

The function code will be one of the following:

01 INITAPI.
02 SOCKET.
03 SETSOCKOPT.
04 BIND.
05 LISTEN.
06 ACCEPT.
07 SELECTEX.
08 READ. An error code of zero means that the connection has been closed.
09 WRITE.

Error codes returned by the TCP/IP Application Programming Interface (API) for socket calls are documented in the IBM manual: z/OS Communications Server IP Sockets Application Programming Interface Guide and Reference.

System action:
Agent system processing continues, but the TCP/IP responsiveness enhancement will be disabled.

Programmer response:
Determine the cause of this TCP/API detected error and take corrective action. If unable to determine the cause of the error contact technical support for assistance.

Detecting CSECT:
GTDXSA1

GTD1836W **Agent TCP/IP error: Function *function*, unsolicited event exit invoked.**

Explanation
This TDMF Agent system has established a TCP/IP communications server subtask to communicate with the TDMF Master system. TCP/IP API processing on behalf of the server task was interrupted and the unsolicited event exit was invoked. The message identifies the API function that had been requested. It will be one of the following:

06 ACCEPT.
07 SELECTEX.
08 READ.
09 WRITE.

System action:
Agent system processing continues, but the TCP/IP responsiveness enhancement will be disabled.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDXSA1

GTD1838S **Multiple REMOTE system addresses are not supported.**

Explanation:
An IP input control statement has specified an IP address which differs from that of a previous statement. This release of TDMF only supports one REMOTE system per migration session.

System action:
TDMF execution is terminated.

User response:
Split the migration into multiple sessions with only one REMOTE system (IP address and port) in each.

Detecting CSECT:
GTDMSTR

GTD1839S **An unacceptable IP (Internet Protocol) address has been specified.**

Explanation:
An IP input control statement has specified an IP address identical to that of a previous statement, but with a different port number. Each REMOTE system will only use one port for this migration, so specification of multiple port numbers for the same IP address is not supported on the LOCAL system.

System action:
TDMF execution is terminated.

User response:
Choose a port number suitable for the LOCAL and this REMOTE TCP/IP configurations and specify it in all the IP control statements for this REMOTE system.

Detecting CSECT:
GTDMSTR

GTD1840I **Reverse Pacing has been suppressed by the OPTIONS control statement.**

Explanation:
The Reverse Pacing system option was set as the installation default in the SYSOPTN batch job. The option has been overridden by the OPTIONS statement.

System action:
Normal pacing will be in effect if specified for a volume.

Detecting CSECT:

GTDMSTR

GTD1841I Volumes will be considered as active until termination.

Explanation:
The installation default (set in the SYSOPTN job) is that volumes being refreshed should NOT be counted as active when TDMF determines if the maximum number of concurrently active volumes, if specified on the first SYSTEMS control statement, has been reached. The option has been overridden by the OPTIONS statement.

System action:
TDMF initialization continues.

Detecting CSECT:
GTDMSTR

GTD1842I The option to call ICKDSF for VTOC and index maintenance has been set to OFF.

Explanation:
This option was requested in the SYSOPTN batch job as the installation default, but has been overridden by the OPTIONS input control statement.

System action:
TDMF initialization continues.

Detecting CSECT:
GTDMSTR

GTD1843I The installation options allow migration of records with invalid count fields.

Explanation:
This option was requested in the SYSOPTN batch job as the installation default.

System action:
TDMF initialization continues.

Detecting CSECT:
GTDMSTR, GTDRMST

GTD1844I The option to allow migration of records with invalid count fields has been set to OFF.

Explanation:
This option was requested in the SYSOPTN batch job as the installation default, but has been overridden by the OPTIONS input control statement.

System action:
TDMF initialization continues.

Detecting CSECT:
GTDMSTR

GTD1845I The option to allow migration of records with invalid count fields has been set.

Explanation:
This option was requested on the OPTIONS input control statement.

System action:
TDMF initialization continues.

Detecting CSECT:
GTDMSTR

GTD1847S No IP (Internet Protocol) record has been specified for a migration requesting TCP/IP functions.

Explanation:
This option was requested on the MIGRATE input control statement.

System action:
TDMF execution is terminated.

User response:
Provide a IP control record specifying the Port and TCP/IP address of the receiving TCP/IP system.

Detecting CSECT:
GTDMSTR

GTD1848S An invalid IP (Internet Protocol) Port number has been specified for a migration requesting TCP/IP functions.

Explanation:
This option was requested on the IP input control statement.

System action:
TDMF execution is terminated.

User response:
Provide a IP control record specifying the Port number.

Detecting CSECT:
GTDMSTR

GTD1849S An invalid IP (Internet Protocol) address has been specified for a migration requesting TCP/IP functions.

Explanation:
This option was requested on the IP input control statement.

System action:
TDMF execution is terminated.

User response:
Provide a IP control record specifying the TCP/IP address of four groups of one to three digits separated by periods. The format should be *xxx.x.xx.xxx*.

Detecting CSECT:
GTDMSTR

GTD1850S **Bad format of the IP (Internet Protocol) address for a migration requesting TCP/IP functions.**

Explanation:
One numeric group in the IP address was either omitted or contained more than three digits. The error occurred in the IP input control statement.

System action:
TDMF execution is terminated.

User response:
Provide a IP control record specifying the TCP/IP address of four groups of one to three digits separated by periods. The format should be *xxx.x.xx.xxx*.

Detecting CSECT:
GTDMSTR

GTD1851S **Bad value of the IP (Internet Protocol) address for a migration requesting TCP/IP functions.**

Explanation:
One numeric group in the IP address had a value exceeding 255. The error occurred in the IP input control statement.

System action:
TDMF execution is terminated.

User response:
Provide a IP control record specifying the TCP/IP address of four groups of one to three digits separated by periods. The format should be *xxx.x.xx.xxx* and no value can exceed decimal 255.

Detecting CSECT:
GTDMSTR

GTD1853S **For a migration request, no Unit Control Block (UCB) was found for *new-volser*.**

Explanation:
A Unit Control Block (UCB) was not found for the newvsn volume serial number specified on the migration request (TDMF attempted a UCB pin operation).

System action:
TDMF execution is terminated.

User response:
Resubmit the job after ensuring the target volume is online.

Detecting CSECT:
GTDVUCB

GTD1854S **For a migration request, an unsupported device type was found for *new-volser*.**

Explanation:
An unsupported device type was found for the new volume serial number on the migration request.

System action:
TDMF execution is terminated.

Detecting CSECT:
GTDVUCB

GTD1855S **Remote target volser *new-volser* on device *device_number* is offline.**

Explanation:
The device specified by the migration request for a new volume serial number is offline.

System action:
TDMF execution is terminated.

Detecting CSECT:
GTDVUCB

GTD1856S **For a migration request, the new device requested was changing status.**

Explanation:
The device specified by the migration request for a new volume serial number is changing status from online to offline.

System action:
TDMF execution is terminated.

Detecting CSECT:
GTDVUCB

GTD1857S **The migration to a target volume that is currently allocated is not supported.**

Explanation:
The device specified by the migration request for the duplex or remote target volume serial number is allocated to other users, jobs or address spaces. This is not supported.

System action:
TDMF execution is terminated.

Detecting CSECT:
GTDVUCB

GTD1858W **For a new volume migration request, a UNPIN request of the UCB failed.**

Explanation:
For a new volume migration request, a UNPIN request of the UCB failed.

System action:
TDMF termination continues.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDTERM

GTD1859S **The UCB common extension for a new or duplexed volume could not be located.**

Explanation:
For a migration request, the UCB common extension could not be located in memory for the new or duplexed volume.

System action:
TDMF execution is terminated.

Detecting CSECT:
GTDADDT

GTD1860S **For a new volume, a read of the volume serial number from the disk failed.**

Explanation:
For a new volume of a migration request, a read of the volume serial number failed.

System action:
TDMF execution is terminated.

Detecting CSECT:
GTDCDDT

GTD1861S **For a new volume, a Read Device Characteristics I/O operation failed.**

Explanation:
For a new volume of a migration request, a Read Device Characteristics I/O operation failed.

System action:
TDMF execution is terminated.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDCDDT

GTD1862S **For a new volume, a Sense ID I/O operation failed.**

Explanation:
For a new volume of a migration request, a Sense ID I/O operation failed.

System action:
TDMF execution is terminated.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDCDDT

GTD1863S **For a new volume, a Sense Subsystem Status I/O operation failed.**

Explanation:
For a new volume of a migration request, a Sense Subsystem Status I/O operation failed.

System action:
TDMF execution is terminated.

Detecting CSECT:
GTDCDDT

GTD1864S **For a new volume, a Read Configuration Data I/O operation failed.**

Explanation:
For a new volume of a migration request, a Read Configuration Data CCW request failed. If sense data is supplied indicating command reject, then this DASD device does not support extended count key data (ECKD) operations.

System action:
TDMF execution is terminated.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDCDDT

GTD1865S **A LOCAL target volume is required for OVA.**

Explanation:
The "Offline Volume Access" option was requested for a TCP/IP type volume migration. OVA processing in a TCP/IP replication session requires that two target volumes are specified on the REPLICATE control statement - where the first is the LOCAL target for OVA processing. If using fixed format input, the migration type must be "P" or "B" for OVA support; this migration is type "I".

System action:
TDMF terminates immediately.

Detecting CSECT:
GTDMSTR, GTDRMST

GTD1866S **Another HyperSwap migration session is active.**

Explanation:
The "NETView" SESSION option was requested for this migration, but there is already a TDMF migration session in the Sysplex with an active GDPS/PPRC console.

System action:

TDMF terminates immediately.

User response:
Wait until the active TDMF session has completed and ensure that GDPS/PPRC HyperSwap is active before resubmitting the session.

Detecting CSECT:
GTDADDT

GTD1867S **The source volume *source-volser* is active in a GDPS/PPRC HyperSwap session. Reason code: *reason-code*.**

Explanation

The source volume of a migration request is mounted on a device that currently has the HyperSwap for Geographically Dispersed Parallel Sysplex function enabled. The reason code explains why this volume caused TDMF to terminate.

01 The device is not GDPS/PPRC HyperSwap prepared on the Master system.

02 This system is not part of a SYSPLEX.

03 This Agent system is not part of the same SYSPLEX as the Master system.

04 The NETVIEW(stcname) parameter was not supplied on the SESSION control statement.

05 The volume is not part of a migration group, the first volume in the group is not GDPS/PPRC HyperSwap prepared or there is more than one volume group containing HyperSwap volumes.

06 Another TDMF session is already active with GDPS/PPRC HyperSwap managed volumes.

07 An attempt to extract GDPS information from NetView was unsuccessful.

08 The number of systems defined on the SESSION control statement does not match the number of active systems in the GDPS. Use the NetView HYPERSWAP SYS command to list the active GDPS systems. Every system in the HYPERSWAP SYS response must particpate in the TDMF session or be specified in OPT(IGNOREGDPS(..)).

09 This system name (from CVTSNAME) is not in the list of active GDPS systems returned by NetView.

10 The TDMF Master job is active on a system defined as a possible GDPS/PPRC controlling system.

12 A system specified for the IGNOREGdps SESSION control statement option is not currently active in the GDPS/PPRC session.

13 A system specified for the IGNOREGdps SESSION control statement option is a controlling system.

14 The Master or an Agent has been started on a system that was specified for the IGNOREGdps option on the SESSION control statement.

16 The Master system is using Basic HyperSwap.

System action:
TDMF execution is terminated.

User response

For some of these error situations, the only way to migrate a GDPS/PPRC HyperSwap managed volume in this environment would be to disable HyperSwap for the duration of the migration.

For reason code five, add the SINGLEgroup option to the SESSION control statement, or precede the MIGRATE statements for GDPS/PPRC HyperSwap managed volumes with a GROUP control statement.

For reason code six, wait until there are no active TDMF migrations before resubmitting the Master job. It might be necessary to resubmit the Agent jobs if they timed out (with message GTD1507S) during this interval.

For reason codes eight through ten, the TDMF migration session should be reconfigured so that there is an Agent job, or started task, started on every system currently active in the GDPS. If all the migration source and target volumes are offline to a GDPS production system, the session can be run without it. In this case the IGNOREGDPS(system-name) option must be specified.

Problem determination

This message with reason code seven is usually preceded by message GTD1995W, which provides details of the failure.

Note that message GTD1995W is a SYSTEM type message and will appear in the output listing immediately after the control statements on a Master system and at the beginning of the output listing on an Agent.

The NetView command, "HYPERSW SYS", returns the names of the systems currently active in the GDPS. Systems in this list that are flagged with an asterisk are those that have the capability to become the controlling system.

Detecting CSECT:
GTDBDDT

GTD1868S **The target volume *target-volser* is active in a GDPS/PPRC HyperSwap session. Reason code: *reason-code*.**

Explanation

The target volume of a migration request is mounted on a device that currently has the HyperSwap for Geographically Dispersed Parallel Sysplex function enabled. The reason code explains why this volume caused TDMF to terminate.

01 The device is not HyperSwap active on the Master system.

02 This system is not part of a SYSPLEX.

03 This Agent system is not part of the same SYSPLEX as the Master system.

04 The NETVIEW(*stcname*) parameter was not supplied on the SESSION control statement.

05 The volume is not part of a migration group, the first volume in the group is not HyperSwap active or there is more than one volume group containing HyperSwap volumes.

06 Another TDMF session is already active with HyperSwap volumes.

07 An attempt to extract GDPS information from NetView was unsuccessful.

08 The number of systems defined on the SESSION control statement does not match the number of active systems in the GDPS.

09 This system name (from CVTSNAME) is not in the list of active GDPS systems returned by NetView.

10 The TDMF Master job is active on a system defined as a possible GDPS/PPRC controlling system.

12 A system specified for the IGNOREGdps SESSION control statement option is not currently active in the GDPS/PPRC session.

13 A system specified for the IGNOREGdps SESSION control statement option is a controlling system.

14 The Master or an Agent has been started on a system that was specified for the IGNOREGdps option on the SESSION control statement.

16 The Master system is using Basic HyperSwap.

System action:
TDMF execution is terminated.

User response

For some of these error situations, the only way to migrate a GDPS/PPRC HyperSwap managed volume in this environment would be to disable HyperSwap for the duration of the migration.

For reason code five, add the SINGLEgroup option to the SESSION control statement, or precede the MIGRATE statements for GDPS/PPRC HyperSwap managed volumes with a GROUP control statement.

For reason code six, wait until there are no active TDMF migrations before resubmitting the Master job. It might be necessary to resubmit the Agent jobs if they timed out (with message GTD1507S) during this interval.

For reason codes eight through ten, the TDMF migration session should be reconfigured so that there is an Agent job, or started task, started on every system currently active in the GDPS. If all the migration source and target volumes are offline to a GDPS production system, the session can be run without it. In this case the IGNOREGDPS(system-name) option must be specified.

Problem determination

This message with reason code seven is usually preceded by message GTD1995W, which provides details of the failure.

Note that message GTD1995W is a SYSTEM type message, appearing in the output listing immediately after the control statements on a Master system and at the beginning of the output listing on an Agent.

The NetView command, "HYPERSW SYS", returns the names of the systems currently active in the GDPS. Systems in this list that are flagged with an asterisk are those that have the capability to become the controlling system.

Detecting CSECT:
GTDBDDT

GTD1869S **The source volume *source-volser* is active in a Basic HyperSwap session. Reason code: *reason-code*.**

Explanation

The source volume of a migration request is mounted on a device that currently has the HyperSwap active flag set in the UCB. The reason code explains why this volume caused TDMF to terminate.

01 The device is not HyperSwap active on the Master system.

05 The volume is not part of a migration group, the first volume in the group is not HyperSwap active or there is more than one volume group containing HyperSwap volumes.

06 Another TDMF session is already active with HyperSwap managed volumes.

15 The Master system is using GDPS/PPRC.

17 The load of module IOSHMBLI failed.

18 This Agent system is not in the same sysplex as the TDMF Master.

19 The TESTBLOCK service set a non zero return code. The HyperSwap block/unblock interface is not available on all the systems in the sysplex.

20 The UNBLOCK service set a non zero return code. This error is accompanied by system message GTD2966W.

System action:
TDMF execution is terminated.

User response
For reason code five, add the SINGLEgroup option to the SESSION control statement, or precede the first MIGRATE statement for GDPS/PPRC HyperSwap managed volumes with a GROUP control statement.

For reason code six, wait until there are no active TDMF migrations before resubmitting the Master job. It might be necessary to resubmit the Agent jobs if they timed out (with message GTD1507S) during this interval.

Detecting CSECT:
GTDBDDT

GTD1870S **The target volume *target-volser* is active in a Basic HyperSwap session. Reason code: *reason-code*.**

Explanation
The target volume of a migration request is mounted on a device that currently has the HyperSwap active flag set in the UCB. The reason code explains why this volume caused TDMF to terminate.

01 The device is not HyperSwap active on the Master system.

05 The volume is not part of a migration group, the first volume in the group is not HyperSwap active or there is more than one volume group containing HyperSwap volumes.

06 Another TDMF session is already active with HyperSwap volumes.

11 TDMF does not currently support the Basic HyperSwap environment.

15 The Master system is using GDPS/PPRC.

17 The load of module IOSHMBLI failed.

18 This Agent system is not in the same sysplex as the TDMF Master.

19 The TESTBLOCK service set a non zero return code. The HyperSwap block/unblock interface is not available on all the systems in the sysplex.

20 The UNBLOCK service set a non zero return code. This error is accompanied by system message GTD2966W.

System action:
TDMF execution is terminated.

User response
For reason code five, add the SINGLEgroup option to the SESSION control statement, or precede the first MIGRATE statement for GDPS/PPRC HyperSwap managed volumes with a GROUP control statement.

For reason code six, wait until there are no active TDMF migrations before resubmitting the Master job. It might be necessary to resubmit the Agent jobs if they timed out (with message GTD1507S) during this interval.

Detecting CSECT:
GTDBDDT

GTD1871S **A CSA (below 16MB) obtain storage migration request failed.**

Explanation:
A CSA (below 16MB) obtain storage request for a DDTR control block for a migration failed. Each DDTR block is 128 bytes in length and a TDMF Master or Agent job will usually only require one DDTR control block.

System action:
TDMF execution is terminated.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDEDDT

GTD1872S **An ECSA (above 16MB) obtain storage migration request failed.**

Explanation:
An ECSA (above 16MB) obtain storage request for a DDTV control block for a migration failed. A TDMF Master or Agent job will usually only require one DDTV control block. The DDTV is variable length: it contains a 56 byte header and an eight byte entry for each source and target volume.

System action:
TDMF execution is terminated.

User response:
Refer to the *IBM Transparent Data Migration Facility for z/OS Reference Guide* for estimating virtual storage requirements.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDEDDT

GTD1873S **For a duplex volume, a volume serial number read from the disk does not match.**

Explanation:
For a duplex volume of a migration request, the volume serial number read from the disk does not match the volume serial number of unit control block (UCB). The duplex volume is the volume referenced by the NEW volume serial number.

System action:
TDMF execution is terminated.

Detecting CSECT:
GTDCDDT

GTD1874S **For a duplex volume migration request, the volume is active with dual copy.**

Explanation:
For a duplex volume migration request, the volume is either the primary or secondary volume of a duplexing or dual copy pair. The duplex volume is the volume referenced by the NEW volume serial number.

System action:
TDMF execution is terminated.

Detecting CSECT:
GTDCDDT

GTD1875S **For a duplex volume, Read Device Characteristics indicates Read Tracks invalid.**

Explanation:
For a duplex volume of a migration request, a Read Device Characteristics CCW indicates in its returned data that a Read Tracks CCW is not supported. The duplex volume is the volume referenced by the NEW volume serial number.

System action:
TDMF execution is terminated.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDCDDT

GTD1876S **The source and duplex volumes requested for a migration are different dasd type.**

Explanation:
A compare of the source and duplex volumes shows them to be of different DASD types. The duplex volume is the volume referenced by the NEW volume serial number.

System action:
TDMF execution is terminated.

Detecting CSECT:
GTDCDDT

GTD1877S **Requested VTOC expansion is invalid. Limit is *tracks* tracks.**

Explanation:
The user requested an unconditional expansion of the VTOC to an invalid size. The number of tracks specified in the EXTVTOC option for this volume would cause the VTOC to extend past the end of the target volume, or the (TTR0 enforced) limit of track 65,535.

System action:
The migration is terminated.

User response:
Correct the EXTVTOC option parameters and resubmit the TDMF Master job.

Detecting CSECT:
GTDCDDT

GTD1878I **The duplex volume *duplex-volser* is mounted on device *device-number* on this system.**

Explanation:
At TDMF initialization, the duplex volume is mounted on device device-number on this system.

System action:
TDMF continues normally.

Detecting CSECT:
GTDVUCB

GTD1880W **Agent TCP/IP Abend S*abend-code-reason-code*.**

Explanation:
The Agent system's TCP/IP shoulder tap subtask has abended.

System action:
TDMF continues normally, but no further TCP/IP communication will be attempted with the Master system. Because the Agent system closes the connection with the Master system during recovery processing, the communications server task on the Master system will issue a warning message reporting that the link to this Agent system has been disconnected.

Detecting CSECT:
GTDXSA1

GTD1881W **Master TCP/IP Abend S*abend-code-reason-code*.**

Explanation:
The Master system's TCP/IP shoulder tap subtask has abended.

System action:
TDMF continues normally, but no further TCP/IP communication will be attempted with any Agent system. Because the Master system closes the

connection with the Agent systems during recovery processing, the communications server tasks on Agent systems using TCP/IP will issue warning messages reporting that the link to the Master system has been disconnected.

Detecting CSECT:
GTDXSM1

GTD1882W Error in message from Agent system *system-name*.

Explanation:
The Master system has received data from an Agent system into one of its TCP/IP sockets. Either the length, the eye catcher or the message type was invalid for this level of TDMF.

System action:
TDMF continues normally, but no further TCP/IP communication will be attempted with this Agent system. Because the Master system closes the connection with this Agent, the communications server task on the Agent system will also issue a message to report that the link has been disconnected.

Detecting CSECT:
GTDXSM1

GTD1883W Master TCP/IP error: Function *function*, error code *err-code*.

Explanation
The TDMF Master system is attempting to communicate with Agent systems, using TCP/IP. An EZASMI macro, requesting a service from the TCP/IP API was not successful. The message describes the function that failed (TYPE=) and the error code returned by the API.

The function code will be one of the following:

01 INITAPI.
02 SOCKET.
03 SETSOCKOPT.
04 BIND.
05 LISTEN.
06 ACCEPT.
07 SELECTEX.
08 READ. An error code of zero means that the connection has been closed.
09 WRITE.

Error codes returned by the TCP/IP Application Programming Interface (API) for socket calls are documented in the IBM manual: z/OS Communications Server IP Sockets Application Programming Interface Guide and Reference.

System action:
The Master system will terminate TCP/IP communications with all Agent systems. This will usually cause some elongation of the migration session.

Programmer response:
Determine the cause of this TCP/API detected error and take corrective action. If unable to determine the cause of the error contact technical support for assistance.

Detecting CSECT:
GTDXSM1

GTD1884W Master TCP/IP error: Function *function*, unsolicited event exit invoked.

Explanation
The TDMF Master system is attempting to communicate with Agent systems, using TCP/IP. TCP/IP API processing on behalf of the TCP/IP subtask was interrupted and the unsolicited event exit was invoked.

The message identifies the API function that had been requested. It will be one of the following:

06 ACCEPT.
07 SELECTEX.
08 READ.
09 WRITE.

System action:
The Master system will terminate TCP/IP communications with all Agent systems. This will usually cause some elongation of the migration session.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDXSM1

GTD1885S Source and Target devices are not HyperSwap managed.

Explanation:
TDMF found the UCBHSWAP flag set in either the source or target UCB on the Master system, and performed either Basic or GDPS/PPRC HyperSwap validation. On this system, the devices are not "prepared" - so there appears to be a problem in the user's HyperSwap configuration. If a HyperSwap was triggered on another system, applications on this system would suddenly be unable to access the volume on this system (the HyperSwap would make the device a PPRC secondary).

System action:
TDMF execution is terminated.

User response:
Remove this volume pair from the migration session, or vary the source and target devices offline to this Agent system, and resubmit the failing jobs.

Programmer response:
Determine why these devices are not HyperSwap prepared on this system. Contact technical support for assistance.

Detecting CSECT:
GTDBDDT

GTD1886S **The duplex volume is located on an unauthorized dasd controller.**

Explanation:
The TDMF license in effect on this system is a "limited function" type. The user has attempted to migrate to a device located on a DASD controller that is not authorized by this license.

System action:
The migration is terminated.

Detecting CSECT:
GTDBDDT

GTD1887S **A duplex volume is located on a UCB that has DCE information that is not supported.**

Explanation:
TDMF does not currently support DCE information in the last eight bytes of a X'38' byte DCE.

System action:
TDMF execution is terminated.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDBDDT

GTD1888I **The duplex volume *duplex-volser* is mounted on a control unit that supports FlashCopy.**

Explanation:
For a duplex volume of a migration request, the device is located on a control unit that currently has the new FlashCopy microcode installed. TDMF will temporarily disable the support of this hardware feature at volume initialization.

System action:
TDMF execution continues normally.

Detecting CSECT:
GTDBDDT

GTD1889S **For a duplex volume, the device information does not match the MASTER duplex volume.**

Explanation:
For a duplex volume of a migration request, the device information specified for the duplex volume does not match the physical device information specified by the Master.

System action:
TDMF execution is terminated.

Detecting CSECT:
GTDBDDT

GTD1890S **For a duplex volume, The EMC Consistency Group info does not match the MASTER duplex volume.**

Explanation:
For a duplex volume of a migration request, the device information specified for the duplex volume does not match the consistency group information specified by the Master.

System action:
TDMF execution is terminated.

Detecting CSECT:
GTDBDDT

GTD1891S **The duplex volume failed authorization checking for the point-in-time migration.**

Explanation:
At TDMF initialization, READ access authority to the target volume has not been granted by the installation's System Authorization Facility.

System action:
TDMF terminates the migration session.

Detecting CSECT:
GTDDDDT

GTD1892S **Register 15 from the System Authorization Facility was *R15-contents*.**

Explanation:
The customer requested use of the System Authorization Facility and authority checking. Contents of R15 displayed.

System action:
TDMF execution is terminated.

Detecting CSECT:
GTDDDDT

GTD1893S **Return code from the System Authorization Facility was *return-code***

Explanation:
The customer requested use of the System Authorization Facility and authority checking. Contents of Return Code displayed.

System action:
TDMF execution is terminated.

Detecting CSECT:
GTDDDDT

GTD1894S Reason code from the System Authorization Facility was *reason-code*.

Explanation:
The customer requested use of the System Authorization Facility and authority checking. Contents of Reason Code displayed.

System action:
TDMF execution is terminated.

Detecting CSECT:
GTDDDDT

GTD1895I The duplex volume passed System Authorization Facility checking.

Explanation:
The customer requested use of the System Authorization Facility invoking RACF, CA-2 or Top-Secret, and the return code from the facility was zero, indicating that the volume passed authorization.

System action:
Volume initialization continues.

Detecting CSECT:
GTDDDDT

GTD1896E Duplex volume *duplex-volser* contains data.

Explanation:
The user has requested that TDMF check the Volume Table of Contents (VTOC) of every duplex volume before starting the migration. This volume was found to contain one or more datasets, so is not suitable for use as a duplex.

System action:
TDMF will terminate with message GTD1674S.

User response:
If this duplex volume serial was correctly specified, the volume must be reinitialized, or the option removed, before reattempting the migration.

Detecting CSECT:
GTDDDDT

GTD1897E VTOC analysis on volume *duplex-volser* failed: return code *return-code*.

Explanation

The user has requested that TDMF check the Volume Table of Contents (VTOC) of every duplex volume before starting the migration. Analysis of the VTOC on this volume could not be completed.

The return code from GTDCSEL is provided in the message text:

0C DSCB format error
10 I/O error reading duplex VTOC
14 Abend in GTDCSEL

System action:
TDMF will terminate with message GTD1896S.

User response:
Initialize the volume with ICKDSF before using it as a migration duplex volume.

Detecting CSECT:
GTDDDDT

GTD1898S A duplex volume is not empty, or its VTOC is in error.

Explanation:
The user has requested that TDMF check the Volume Table of Contents (VTOC) of every duplex volume before starting the migration. At least one volume was found to be unsuitable for use as a duplex.

System action:
TDMF terminates the migration session.

User response:
Examine the individual volume initialization messages, looking for GTD1896E or GTD1897E. Respond as appropriate for these messages then resubmit the migration job(s).

Detecting CSECT:
GTDDDDT

GTD1899S A duplex volume is located on an EMC device that improperly supports consistency groups.

Explanation:
TDMF does not currently support EMC DASD that is a part of an EMC consistency group with the customer's current environment. The EMC environment is at a software level that is not current and is not supported by TDMF.

System action:
TDMF execution is terminated.

Programmer response:
Dynamically reconfigure the MVS configuration to remove this duplex volume from the EMC consistency group. Additionally the customer can install the latest level of EMC software that TDMF supports for EMC Consistency Groups.

Detecting CSECT:
GTDADDT

GTD1903S **A duplex volume is located on a dasd device that has an invalid DDT SIO exit address.**

Explanation:
TDMF has detected a DDT that contains a pointer to a routine other than IECDPRFX, or that has an invalid format.

System action:
TDMF execution is terminated.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDADDT

GTD1904I **The source volume *source-volser* is part of the EMC Consistency Group *cgname* on this system.**

Explanation:
At TDMF initialization, the source volume is part of named EMC Consistency Group on this system.

System action:
TDMF continues normally.

Detecting CSECT:
GTDCDDT

GTD1905I **The target volume *target-volser* is part of the EMC Consistency Group *cgname* on this system.**

Explanation:
At TDMF initialization, the target volume is part of named EMC Consistency Group on this system.

System action:
TDMF continues normally.

Detecting CSECT:
GTDCDDT

GTD1906S **The new volume serial number is not supported for an EMC volume swap migration.**

Explanation:
The new volume serial number option is not supported for an EMC source volume as this could cause problems with the EMC system address spaces.

System action:
TDMF execution is terminated.

Detecting CSECT:
GTDCDDT

GTD1907S **For a source volume, The EMC Consistency Group Name info does not match the MASTER source volume.**

Explanation:
For a source volume of a migration request, the device information specified for the source volume does not match the consistency group name information specified by the Master.

System action:
TDMF execution is terminated.

Detecting CSECT:
GTDBDDT

GTD1908S **For a target volume, The EMC Consistency Group Name info does not match the MASTER target volume.**

Explanation:
For a target volume of a migration request, the device information specified for the target volume does not match the consistency group name information specified by the Master.

System action:
TDMF execution is terminated.

Detecting CSECT:
GTDBDDT

GTD1909S **Unsupported Cross System Request (XSR) level.**

Explanation:
The IP Connect processor accepted a connection through the second PORT number reserved for TDMF use. The message that was received using this connection specifies a design level for the LOCAL TCP/IP session that is incompatible with this TDMF REMOTE session.

System action:
The REMOTE session terminates.

Programmer response:
Terminate the LOCAL TDMF session. Install the latest TDMF PTF level at both locations and resubmit all the LOCAL and REMOTE jobs. If unable to determine the cause of the error contact technical support for assistance.

Detecting CSECT:
GTDXSR0

GTD1910S **An attempt to initialize the TCP/IP API failed. Return code: *err-code*.**

Explanation:
TDMF issued the EZASMI macro for the INITAPI service. This macro set a return code indicating that the TCP/IP Application Programming Interface (API) could not be initialized. Error codes returned by the TCP/IP API for socket calls are documented in the IBM manual: z/OS Communications Server IP Application Programming Interface Guide.

System action:
TDMF execution is terminated.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDXSL0

GTD1911S **An attempt to get this system's TCP/IP HOST identifier was unsuccessful.**

Explanation:
TDMF issued the EZASMI macro for the GETHOSTID service. This macro failed to return the TCP/IP HOST identifier.

System action:
TDMF execution is terminated.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDXSL0

GTD1912S **An ABEND was detected in the TCP/IP initialization routine.**

Explanation:
TDMF is attempting to establish the TCP/IP environment for this system. The routine abnormally terminated.

System action:
TDMF execution is terminated.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDXSR0

GTD1913S **An EZASMI macro for the GETCLIENTID service failed. Return code: *err-code*.**

Explanation
TDMF issued the EZASMI macro for the GETCLIENTID service. The macro set a return code indicating that the service could not be provided.

Error codes returned by the TCP/IP Application Programming Interface (API) for socket calls are documented in the IBM manual: z/OS Communications Server IP Application Programming Interface Guide.

System action:
TDMF execution is terminated.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDXSL0, GTDXSR1

GTD1914S **The ATTACH of the REMOTE host TCP/IP service task failed. Return code: *return-code*.**

Explanation:
TDMF issued the ATTACHX macro to create a subtask to handle TCP/IP connections. The macro set a return code indicating that the subtask could not be created.

System action:
TDMF execution is terminated.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDXVOL

GTD1915S **The source volume *source-volser* is part of an EMC Consistency Group, but the EMC CG API is not active.**

Explanation:
At TDMF initialization, the source volume is part of the named EMC Consistency Group on this system, but the EMC Consistency Group is not active as not EMC API is active.

System action:
TDMF execution is terminated.

Programmer response:
Ensure that the EMC Consistency Group system task is started on this system.

Detecting CSECT:
GTDCDDT

GTD1916S **The target volume *target-volser* is part of an EMC Consistency Group, but the EMC CG API is not active.**

Explanation:
At TDMF initialization, the target volume is part of the named EMC Consistency Group on this system, but the EMC Consistency Group is not active as not EMC API is active.

System action:
TDMF execution is terminated.

Programmer response:
Ensure that the EMC Consistency Group system task is started on this system.

Detecting CSECT:
GTDCDDT

GTD1917S **The duplex volume *duplex-volser* is part of an EMC Consistency Group, but the EMC CG API is not active.**

Explanation:
At TDMF initialization, the remote or duplex target volume is a part of the named EMC Consistency Group

on this system, but the EMC Consistency Group is not active as not EMC API is active.

System action:
TDMF execution is terminated.

Programmer response:
Ensure that the EMC Consistency Group system task is started on this system.

Detecting CSECT:
GTDCDDT

GTD1918S Mismatch between LOCAL and REMOTE migration volume count.

Explanation:
The Remote Connection processor is validating a connection from a LOCAL TDMF system. The number of volumes specified in MIGRATE statements for the LOCAL system does not match the number specified in the initialization message sent to this REMOTE system.

System action:
The REMOTE session is terminated.

User response:
Ensure that only one LOCAL migration session is connected to the chosen IP port on this REMOTE.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDXSR1

GTD1919S Mismatch between LOCAL and REMOTE migration volume serial numbers.

Explanation:
The Remote Connection processor is validating a connection from a LOCAL TDMF system. The LOCAL system is attempting to connect for a source or target volume serial number that was not passed to this REMOTE system in the session initialization message.

System action:
The REMOTE session is terminated.

User response:
Ensure that only one LOCAL migration session is connected to the chosen IP port on this REMOTE.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDXSR1

GTD1920S Error detected in TCP/IP information for volume.

Explanation:
During volume initialization, TDMF has detected an inconsistency between the internal TCP/IP control blocks for the volume and the REMOTE system to which it will be migrated. Probable programming error.

System action:
Session initialization failure.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDCDDT

GTD1921I TDMF Remote session accepting connections through IP port number *port-number*.

Explanation:
TDMF is initializing the IP connection server for this TCP/IP REMOTE migration session. This message displays the IP port number that was specified in the IP control statements for this REMOTE system.

System action:
IP connection server initialization continues.

Detecting CSECT:
GTDXSR0

GTD1922S TDMF Concurrent server timed out.

Explanation:
The Remote Connection processor has waited 15 minutes to accept connections from a LOCAL TDMF system.

System action:
The REMOTE session is terminated.

User response:
Ensure that the IP address specified for the REMOTE system is correct and that the same port number is used in the control statements of the LOCAL and REMOTE systems. Check that the LOCAL session initialized successfully.

Detecting CSECT:
GTDXSR0, GTDXSR1

GTD1923S TDMF Concurrent server terminating.

Explanation:
Due to prior error(s) the TDMF IP concurrent server has terminated.

System action:
The IP concurrent server will terminate and no further IP related activity will be allowed.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDXSR1

GTD1924S **INITAPI error (*err-code*). IP processing terminated.**

Explanation

While attempting to establish the environment necessary to communicate with a LOCAL TDMF Master, this REMOTE system received an error code from an EZASMI TYPE=INITAPI request.

Error codes returned by the TCP/IP Application Programming Interface (API) for socket calls are documented in the IBM manual: z/OS Communications Server IP Application Programming Interface Guide.

System action:
The REMOTE job will terminate.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDXSR0

GTD1925S **IP Obtain SOCKET error (*err-code*). IP processing terminated.**

Explanation

While attempting to establish the environment necessary to communicate with a LOCAL TDMF Master, this REMOTE system received an error code from an EZASMI TYPE=SOCKET request.

Error codes returned by the TCP/IP Application Programming Interface (API) for socket calls are documented in the IBM manual: z/OS Communications Server IP Application Programming Interface Guide.

System action:
The REMOTE job will terminate.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDXSR0

GTD1926S **IP BIND Socket error (*err-code*). IP processing terminated.**

Explanation

While attempting to establish the environment necessary to communicate with a LOCAL TDMF Master, this REMOTE system received an error code from an EZASMI TYPE=BIND request.

Error codes returned by the TCP/IP Application Programming Interface (API) for socket calls are documented in the IBM manual: z/OS Communications Server IP Application Programming Interface Guide.

System action:
The REMOTE job will terminate.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDXSR0

GTD1927S **IP LISTEN error (*err-code*). IP processing terminated.**

Explanation

While attempting to establish the environment necessary to communicate with a LOCAL TDMF Master, this REMOTE system received an error code from an EZASMI TYPE=LISTEN request.

Error codes returned by the TCP/IP Application Programming Interface (API) for socket calls are documented in the IBM manual: z/OS Communications Server IP Application Programming Interface Guide.

System action:
The REMOTE job will terminate.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDXSR0

GTD1928S **IP ACCEPT error (*err-code*). IP processing terminated.**

Explanation

While attempting to accept a connection from a LOCAL TDMF session, this REMOTE system received an error code from an EZASMI TYPE=ACCEPT request.

Error codes returned by the TCP/IP Application Programming Interface (API) for socket calls are documented in the IBM manual: z/OS Communications Server IP Application Programming Interface Guide.

System action:
The REMOTE job will terminate.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDXSR0

GTD1929S **IP READ error (*err-code*). IP processing terminated.**

Explanation

While attempting to read volume migration data from a LOCAL TDMF session, this REMOTE system received an error code from an EZASMI TYPE=READ request.

Error codes returned by the TCP/IP Application Programming Interface (API) for socket calls are documented in the IBM manual: z/OS Communications Server IP Application Programming Interface Guide.

System action:
The REMOTE job will terminate.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDXSR0

GTD1930S IP READ error (connection closed). IP processing terminated.

Explanation:
While attempting to read volume migration data from a LOCAL TDMF session, an EZASMI TYPE=READ request completed for this REMOTE system, but no data was provided by the API.

System action:
The REMOTE job will terminate.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDXSR0

GTD1931S IP READ canceled (*ecb-code*). IP processing terminated.

Explanation:
While attempting to read volume migration data from a LOCAL TDMF session, this REMOTE system's asynchronous exit routine received control while an EZASMI TYPE=READ request was active.

System action:
The REMOTE job will terminate.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDXSR0, GTDXSR1

GTD1932S IP ACCEPT canceled (*ecb-code*). IP processing terminated.

Explanation:
While attempting to accept a connection from a LOCAL TDMF session, this REMOTE system's asynchronous exit routine received control while an EZASMI TYPE=ACCEPT request was active.

System action:
The REMOTE job will terminate.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDXSR0, GTDXSR1

GTD1933S IP CLOSE error (*err-code*). IP processing terminated.

Explanation
After establishing a connection with a LOCAL TDMF session and reading the volume migration data, this REMOTE system received an error code from an EZASMI TYPE=CLOSE request.

Error codes returned by the TCP/IP Application Programming Interface (API) for socket calls are documented in the IBM manual: *z/OS Communications Server IP Application Programming Interface Guide*.

System action:
The REMOTE job will terminate.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDXSR0

GTD1934S Invalid Session Initialization message received.

Explanation:
This REMOTE session has accepted a connection through the IP Port specified in the execution parameter field. The session is ready to receive volume migration information from the LOCAL TDMF session, but the actual message received is not recognizable.

System action:
The REMOTE job will terminate.

Programmer response:
Terminate the LOCAL session and restart TDMF at both locations. Contact technical support for assistance.

Detecting CSECT:
GTDXSR0

GTD1935S IP WRITE error (*err-code*).

Explanation
This REMOTE session is attempting to acknowledge the system initialization message received from the LOCAL system. The acknowledgment message could not be sent; an error code was returned by the EZASMI TYPE=WRITE request.

Error codes returned by the TCP/IP Application Programming Interface (API) for socket calls are documented in the IBM manual: z/OS Communications Server IP Application Programming Interface Guide.

System action:
The REMOTE job will terminate.

Programmer response:
Terminate the LOCAL session manually, if necessary, and restart TDMF at both locations. Contact technical support for assistance.

Detecting CSECT:

GTDXSR0

GTD1936S The number of REMOTE systems exceeds the maximum.

Explanation:
The maximum number of different IP addresses and Port numbers that can be specified for volume MIGRATE statements is 32. This limit has been exceeded.

System action:
The session is terminated.

User response:
Split the migration into smaller sessions.

Detecting CSECT:
GTDXSL0

GTD1937S IP Remote Connection Processor ABENDed.

Explanation:
A TDMF abnormal termination recovery routine received control.

System action:
The migration session will be terminated.

Programmer response:
Terminate the local migration job. Determine the cause of the abend, correct the problem and resubmit the local and remote migration session jobs. If unable to determine or correct the problem then contact technical support.

Detecting CSECT:
GTDXSR1

GTD1938S IP BIND error (*err-code*).

Explanation
The Remote IP Connect processor received the identified IP error code from its EZASMI TYPE=BIND macro request.

Error codes returned by the TCP/IP Application Programming Interface (API) for socket calls are documented in the IBM manual: z/OS Communications Server IP Application Programming Interface Guide.

System action:
The Remote Connect processor will terminate.

Programmer response:
Determine the cause of the IP error code, take appropriate action and retry the migration. If unable to determine the cause of the event then contact technical support.

Detecting CSECT:
GTDXSR1

GTD1939S IP LISTEN error (*err-code*).

Explanation
The Remote IP Connect processor received the identified IP error code from its EZASMI TYPE=LISTEN macro request.

Error codes returned by the TCP/IP Application Programming Interface (API) for socket calls are documented in the IBM manual: z/OS Communications Server IP Application Programming Interface Guide.

System action:
The REMOTE migration session will terminate.

Programmer response:
Terminate the LOCAL migration session. Determine the reason for the TCP/IP API error response, correct the error and resubmit the LOCAL and REMOTE migration session jobs. If unable to determine the cause of the error then contact technical support.

Detecting CSECT:
GTDXSR1

GTD1940S IP ACCEPT error (*err-code*).

Explanation:
The Remote IP Connect processor received the identified IP error code from its EZASMI TYPE=ACCEPT macro request. Error codes returned by the TCP/IP Application Programming Interface (API) for socket calls are documented in the IBM manual: z/OS Communications Server IP Application Programming Interface Guide.

System action:
The Remote Connect processor will terminate.

Programmer response:
Terminate the LOCAL migration session. Determine the reason for the TCP/IP API error response, correct the error and resubmit the LOCAL and REMOTE migration session jobs. If unable to determine the cause of the error then contact technical support.

Detecting CSECT:
GTDXSR1

GTD1941S INITAPI error (*err-code*).

Explanation
This REMOTE TDMF session is initializing the environment required by the TCP/IP API to accept connections from a LOCAL TDMF session. The EZASMI macro to establish the interface with the API was not successful.

Error codes returned by the TCP/IP Application Programming Interface (API) for socket calls are documented in the IBM manual: z/OS Communications Server IP Application Programming Interface Guide.

System action:
The REMOTE session will terminate.

Programmer response:
Terminate the LOCAL TDMF session, determine the cause of this INITAPI failure and take corrective action. If unable to determine the cause of the error contact technical support for assistance.

Detecting CSECT:
GTDXSR1

GTD1942S TCP/IP API SOCKET request rejected (*err-code*).

Explanation:
The EZASMI macro detected an error in the TCP/IP environment. Error codes returned by the TCP/IP Application Programming Interface (API) for socket calls are documented in the IBM manual: z/OS Communications Server IP Application Programming Interface Guide.

System action:
This REMOTE TDMF session is terminated.

Programmer response:
Terminate the LOCAL TDMF session, determine the cause of this SOCKET failure and take corrective action. If unable to determine the cause of the error contact technical support for assistance.

Detecting CSECT:
GTDXSR1

GTD1943S IP WRITE error (*err-code*).

Explanation
The IP Connect processor encountered an error while attempting to write an acknowledgment to a LOCAL TDMF session. The error code in the message was returned by the EZASMI TYPE=WRITE macro.

Error codes returned by the TCP/IP Application Programming Interface (API) for socket calls are documented in the IBM manual: z/OS Communications Server IP Application Programming Interface Guide.

System action:
The Connect processor will terminate.

Programmer response:
Terminate the LOCAL TDMF session, determine the cause of this SOCKET failure and take corrective action. If unable to determine the cause of the error contact technical support for assistance.

Detecting CSECT:
GTDXSR1

GTD1944S IP READ error (*err-code*).

Explanation
The IP Connect processor encountered an error while attempting to read a volume connection message from a LOCAL TDMF session. The error code in the message was returned by the EZASMI TYPE=READ macro.

Error codes returned by the TCP/IP Application Programming Interface (API) for socket calls are documented in the IBM manual: z/OS Communications Server IP Application Programming Interface Guide.

System action:
The Connect processor will terminate.

Programmer response:
Terminate the LOCAL TDMF session, determine the cause of this SOCKET failure and take corrective action. If unable to determine the cause of the error contact technical support for assistance.

Detecting CSECT:
GTDXSR1

GTD1945S Unrecognized Cross System Request (XSR) format.

Explanation:
The IP Connect processor has accepted a connection through the second PORT number reserved for TDMF use. The message that was received using this connection is not a valid TDMF XSR for this REMOTE session.

System action:
The REMOTE session terminates.

Programmer response:
Terminate the LOCAL TDMF session. Choose two different consecutive IP port numbers and reserve them for TDMF use. If multiple REMOTE sessions are active on this system, ensure that each is using a unique pair of port numbers. If unable to determine the cause of the error contact technical support for assistance.

Detecting CSECT:
GTDXSR1

GTD1946S IP GIVESOCKET error (*err-code*).

Explanation
The IP Connect processor attempted to pass a socket to a volume migration copy task using the GIVESOCKET service of the TCP/IP API. The message contains the error code returned by the EZASMI TYPE=GIVESOCKET macro.

Error codes returned by the TCP/IP Application Programming Interface (API) for socket calls are documented in the IBM manual: *z/OS Communications Server IP Application Programming Interface Guide*.

System action:
The REMOTE session will terminate.

Programmer response:

Terminate the LOCAL TDMF session, determine the cause of this GIVESOCKET failure and take corrective action. If unable to determine the cause of the error contact technical support for assistance.

Detecting CSECT:
GTDXSR1

GTD1947S IP WRITE canceled (*ecb-code*). IP processing terminated.

Explanation:
This REMOTE system is attempting to acknowledge a TCP/IP connection from a LOCAL TDMF session. The EZASMI TYPE=WRITE request was terminated when the asynchronous exit routine received control.

System action:
The REMOTE job will terminate.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDXSR1

GTD1948I The application program interface (API) for EMC is not available.

Explanation:
The system attempted to dynamically load the application program interface (API) for EMC. The API (module EMCSAI) could not be found or loaded.

System action:
TDMF execution continues.

User response:
If the customer requires the API, the module EMCSAI should be placed into a LNKLST library.

Detecting CSECT:
GTDMAIN

GTD1949I The application program interface (API) for EMC Consistency Group support is not available.

Explanation:
The system attempted to dynamically load the application program interface (API) for EMC Consistency Group support. The API (module CGRPQDEV) could not be found or loaded.

System action:
TDMF execution continues.

User response:
If the customer requires the API, the module CGRPQDEV should be placed into a LNKLST library.

Detecting CSECT:
GTDMAIN

GTD1950I The application program interface (API) for EMC SAR is not available.

Explanation:
The system attempted to dynamically load the application program interface (API) for EMC SAR support. The API (module EMCSARQ) could not be found or loaded.

System action:
TDMF execution continues.

User response:
If the customer requires the API, the module EMCSARQ should be placed into a LNKLST library.

Detecting CSECT:
GTDMAIN

GTD1951S A source dasd volume's UCB contains an invalid DDT pointer.

Explanation:
When checking the volume's UCB and its Device Dependent Table entry, the field that contains the address of the UCB DDT appears to point to an area of storage that is either invalid or freed.

System action:
TDMF execution terminates.

User response:
If the customer believes that the pointer was destroyed by a previous TDMF session, the customer should first execute the TDMF session again with the parameter PARM=RECOVER and the previous communications dataset. If this is unsuccessful, then the customer should execute the GTDCLUP cleanup procedure to restore a valid pointer to the UCB's DDT.

Detecting CSECT:
GTDADDT

GTD1952S A target dasd volume's UCB contains an invalid DDT pointer.

Explanation:
When checking the volume's UCB and its Device Dependent Table entry, the field that contains the address of the UCB DDT appears to point to an area of storage that is either invalid or freed.

System action:
TDMF execution terminates.

User response:
If the customer believes that the pointer was destroyed by a previous TDMF session, the customer should first execute the TDMF session again with the parameter PARM=RECOVER and the previous communications dataset. If this is unsuccessful, then the customer should execute the GTDCLUP cleanup procedure to restore a valid pointer to the UCB's DDT.

Detecting CSECT:
GTDADDT

GTD1953S **A duplex dasd volume's UCB contains an invalid DDT pointer.**

Explanation:
When checking the volume's UCB and its Device Dependent Table entry, the field that contains the address of the UCB DDT appears to point to an area of storage that is either invalid or freed.

System action:
TDMF execution terminates.

User response:
If the customer believes that the pointer was destroyed by a previous TDMF session, the customer should first execute the TDMF session again with the parameter PARM=RECOVER and the previous communications dataset. If this is unsuccessful, then the customer should execute the GTDCLUP cleanup procedure to restore a valid pointer to the UCB's DDT.

Detecting CSECT:
GTDADDT

GTD1954W **An attempt to get this system's TCP/IP HOST identifier was unsuccessful (*err-code*).**

Explanation

TDMF issued the EZASMI macro for the GETSOCKNAME service. This macro failed to return the TCP/IP address through which the LOCAL system established the initial connection.

Error codes returned by the TCP/IP API for socket calls are documented in the IBM manual: z/OS Communications Server IP Application Programming Interface Guide.

This warning indication can be suppressed by using the NOWARNING(1954) option on the SESSION control statement for the REMOTE session.

System action:
TDMF continues to process the REMOTE session initialization. The session will continue to listen for connections on all IP addresses.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDXSR0

GTD1955I **A source is currently active with a HDS TrueCopy operation.**

Explanation:
A source volume is currently active with a Hitachi asynchronous (TrueCopy) operation.

System action:
TDMF execution continues.

Detecting CSECT:
GTDBDDT

GTD1956I **A target is currently active with a HDS TrueCopy operation.**

Explanation:
A target volume is currently active with a Hitachi asynchronous (TrueCopy) operation.

System action:
TDMF execution continues.

Detecting CSECT:
GTDBDDT

GTD1957I **A duplex target is currently active with a HDS TrueCopy operation.**

Explanation:
A duplex target volume is currently active with a Hitachi asynchronous PPRC operation.

System action:
TDMF execution continues.

Detecting CSECT:
GTDBDDT

GTD1958I **Additional System Data Mover return code: *return-code*.**

Explanation:
The System Data Mover rejected an ANTRQST macro request. The SDM has provided some diagnostic data in addition to the return code displayed in the preceding message.

User response:
Refer to the System Data Mover documentation to determine the correct response.

Detecting CSECT:
GTDADDT

GTD1959I **Additional System Data Mover reason code: *reason-code*.**

Explanation:
The System Data Mover rejected an ANTRQST macro request. The SDM has provided some diagnostic data in addition to the return codes displayed in the preceding messages.

User response:
Refer to the System Data Mover documentation to determine the correct response.

Detecting CSECT:
GTDADDT

GTD1960W **Insufficient common storage for 'Allow PAV' option.**

Explanation:
The system has determined that a shortage of ECSA virtual storage might occur if the option to allow

Parallel Access Volumes (PAV) to have bound alias devices during the migration was honored.

System action:
The session continues, but PAV volumes will not be bound after activation.

User response:
Restrict the PAV option specification to a smaller number of volumes. If possible, spread the volumes for which the "Allow PAV" option is required into multiple TDMF sessions so there are fewer volumes of this type active at any one time.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDCDDT

GTD1961S **An EPVT (above 16MB) obtain storage request (MONITOR control block) failed.**

Explanation

A request to obtain virtual storage from the extended private storage area for the TDMF TSO Monitor interface failed.

The amount of storage requested is based upon the number of systems and the number of volumes to be migrated. However, because this storage request is made so early in the initialization phase, the message probably indicates a system or programming error.

System action:
TDMF execution is terminated.

User response:
Refer to the *IBM Transparent Data Migration Facility for z/OS Reference Guide* for estimating virtual storage requirements.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDMAIN

GTD1962W **Some TSO Monitor functions unavailable for session.**

Explanation

The MVS level is z/OS V1R9 or above or the "IGVNOUSERKEYCSA" diagnostic trap is set on this system, preventing the acquisition of ECSA virtual storage for the TSOM control block with a protect key that would permit the TSO Monitor to store volume commands.

In addition, the TDMF shared virtual storage facility, based in the I/O Monitor module, is not available to the session (preventing the TSOM block from being placed in the extended private area). This might be because the GTDIMON module was not found in the STEPLIB library, or because there is already an I/O Monitor module loaded into Dynamic LPA for active sessions at a different maintenance level (message GTD1733W is issued in this case).

System action:
TDMF execution continues. If this message is issued by the Master job, the TSO Monitor will not be able to control the session.

User response:
Specify the AUTOOPS session option or use the Batch Monitor to control the TDMF session.

Detecting CSECT:
GTDMAIN

GTD1963S **An HVCOMMON (above 2GB) IARST64 storage request (HPAV alias DDTE control block) failed, RC=*return-code*, RSN=*rsn-code*.**

Explanation

A request to obtain virtual storage from the high virtual common storage area failed with the indicated return code.

The amount of storage requested is based upon the total number of HyperPav aliases defined in all of the LSSes where a migration volume is define.

System action:
TDMF execution is terminated.

System programmer response:
Contact technical support for assistance.

User response:
Refer to the IBM Transparent Data Migration Facility for z/OS Reference Guide for estimating virtual storage requirements. Optionally perform the migration using NOPAV. See "Return and reason codes" for the IARST64 Macro in z/OS MVS Authorized Assembler Services Reference for an explanation of the RC and RSN values.

Detecting CSECT:
GTDCDDT

GTD1964S **TCP/IP PORT error: PORT = *port-number*.**

Explanation:
During system initialization, TDMF has failed to serialize with other sessions executing on this system.

System action:
TDMF execution is terminated.

User response:
Allocate additional port numbers for TDMF and resubmit the migration session. If this is a REMOTE

session, the jobs that comprise the LOCAL session must also be stopped, modified and resubmitted.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDINSE, GTDXSR0

GTD1965S ANTRQST REQUEST=XQUERY Macro failed. Return code: *return-code*.

Explanation:
During system initialization, TDMF is attempting to determine whether any of the migration volumes are active in an XRC (extended remote copy) session. The ANTRQST macro set a non-zero return code.

System action:
TDMF execution is terminated.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDADDT

GTD1966S ANTRQST REQUEST=XQUERY Service failed by SDM. Return code: *return-code*.

Explanation:
During system initialization, TDMF is attempting to determine whether any of the migration volumes are active in an XRC (extended remote copy) session. The ANTRQST macro set a zero return code, but the System Data Mover address space returned a non-zero value.

System action:
TDMF execution is terminated.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDADDT

GTD1967I Source and Target both XRC primary volumes.

Explanation:
During system initialization, TDMF is attempting to determine whether any of the migration volumes are active in an XRC (extended remote copy) session. For this migration, an XRC session was found for both the source and target volumes.

System action:
TDMF initialization continues.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDBDDT

GTD1968S A volume is active in an XRC migration session.

Explanation:
During system initialization, TDMF is attempting to determine whether any of the migration volumes are active in an XRC (extended remote copy) session. For this migration, an XRC session was found for either a source or target volume that had been started with the SESSIONTYPE(MIGRATE) option. Only volumes in a SESSIONTYPE(XRC) session can be migrated by TDMF.

System action:
TDMF execution is terminated.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDADDT

GTD1969S Target device is not XRC capable.

Explanation:
The source volume is active with an extended remote copy (XRC) session and the "XRCVolume" option was requested or determined dynamically for the migration. However, the session cannot be moved to the target device as it appears to already be active in a DR mirror configuration, or does not have XRC capability.

System action:
TDMF execution is terminated.

User response:
If the XRCVolume option was specified correctly for this volume migration, the target device must be capable of becoming the XRC primary device and must not already be mirrored for disaster recovery (PPRC/SRDF, etc.).

Detecting CSECT:
GTDBDDT

GTD1970S Source volume is in use as secondary device in XRC session *XRC-session*.

Explanation:
During session initialization, TDMF has determined that this volume is part of the named XRC session.

System action:
The TDMF Master job is terminated.

Programmer response:
Use XDELPAIR to terminate XRC processing for this volume before attempting to migrate it with TDMF.

Detecting CSECT:
GTDADDT

GTD1971S **Target volume is in use as secondary device in XRC session *XRC-session*.**

Explanation:
During session initialization, TDMF has determined that this volume is part of the named XRC session.

System action:
The TDMF Master job is terminated.

Programmer response:
Use XDELPAIR to terminate XRC processing for this volume before attempting to migrate it with TDMF.

Detecting CSECT:
GTDADDT

GTD1972S **Devices' primary cylinder counts must be equal for XRC volume swap.**

Explanation:
During session initialization, TDMF has determined that the source and target devices for this migration volume have an unequal number of primary cylinders. This situation is invalid for a migration with the "XRCVolumes" option specified.

System action:
The TDMF Master job is terminated.

User response:
Choose a different target volume for this migration, ensuring that it has the same number of cylinders as the source.

Programmer response:
Use XDELPAIR to terminate XRC processing for this source or target volume before attempting to migrate it with TDMF.

Detecting CSECT:
GTDBDDT

GTD1973S **Source volume is in use as a utility device in XRC session *XRC-session*.**

Explanation:
During session initialization, TDMF has determined that this volume is part of the named XRC session.

System action:
The TDMF Master job is terminated.

Programmer response:
Use XDELPAIR to terminate XRC processing for this volume before attempting to migrate it with TDMF.

Detecting CSECT:
GTDADDT

GTD1974S **Target volume is in use as a utility device in XRC session *XRC-session*.**

Explanation:
During session initialization, TDMF has determined that this volume is part of the named XRC session.

System action:
The TDMF Master job is terminated.

Programmer response:
Use XDELPAIR to terminate XRC processing for this volume before attempting to migrate it with TDMF.

Detecting CSECT:
GTDADDT

GTD1975S **Source volume *source-volser* is in use as a primary device in the XRC session *XRC-session*.**

Explanation:
The "XRCVolume" MIGRATE option was specified for this volume migration. TDMF has determined that the source volume is active as an XRC primary volume in the named session. XRCVolume option that allowed this in prior releases, is not supported in this release.

System action:
TDMF terminates.

Detecting CSECT:
GTDADDT

GTD1976S **Target volume *target-volser* is in use as a primary device in the XRC session *XRC-session*.**

Explanation:
The "XRCVolume" MIGRATE option was specified for this volume migration. TDMF has determined that the target volume is active as an XRC primary volume in the named session.

System action:
TDMF terminates.

Detecting CSECT:
GTDADDT

GTD1977S **Logical Path data is unreliable for source volume. The SCU is *scu-serial*.**

Explanation:
TDMF is attempting to confirm that every path that has been established to the source volume was from a z/OS system where a Master or Agent is active. This volume's control unit does not provide reliable logical path data, so unidentified attached systems checking cannot be performed reliably. This message is issued for a control unit when the UNIDENTIFIEDSYSTEMS option is set for volume termination.

System action:
TDMF continues to check the remaining volumes.

User response:
Once it has been established that all the z/OS systems that have access to this volume are participating in the TDMF migration session, the volume can be migrated in a new session after adding the SCU serial number displayed in this message to the SESSION control statement IGNORESCUS option.

Detecting CSECT:
GTDCDDT

GTD1978S Logical Path data is unreliable for target volume. The SCU is *scu-serial*.

Explanation:
TDMF is attempting to confirm that every path that has been established to the source volume was from a z/OS system where a Master or Agent is active. This volume's control unit does not provide reliable logical path data, so unidentified attached systems checking cannot be performed reliably. This message is issued for a control unit when the UNIDENTIFIEDSYSTEMS option is set for volume termination.

System action:
TDMF continues to check the remaining volumes.

User response:
Once it has been established that all the z/OS systems that have access to this volume are participating in the TDMF migration session, the volume can be migrated in a new session after adding the SCU serial number displayed in this message to the SESSION control statement IGNORESCUS option.

Detecting CSECT:
GTDCDDT

GTD1979S PPRC status query timed out for device: *device-number*.

Explanation:
At TDMF initialization, an ANTRQST PQUERY macro did not complete within 30 seconds.

System action:
TDMF terminates.

User response:
Determine why the AOM address space could not respond for this device. Correct the situation and resubmit the failed TDMF jobs.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDBDDT

GTD1980S The source volume is mounted on an unsupported device.

Explanation:
At TDMF initialization, this source volume appears to be on a control unit with zHPF Phase1 functions enabled. TDMF does not have support for zHPF at that level.

System action:
TDMF terminates.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDBDDT

GTD1981S The target volume is mounted on an unsupported device.

Explanation:
At TDMF initialization, this target volume appears to be on a control unit with zHPF Phase1 functions enabled. TDMF does not have support for zHPF at that level.

System action:
TDMF terminates.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDBDDT

GTD1982S The MTPPRC target volume has fewer relationships than the MTPPRC source volume.

Explanation:
At TDMF initialization, this target volume has fewer PPRC targets than the MTPPRC. Proceeding with the migration could potentially damage the DR environment.

System action:
TDMF terminates.

User response:
In order to allow this migration to occur, specify the ALLOWMIRRORCHANGE parameter and resubmit the Master job.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDBDDT

GTD1983S The target volume has invalid PPRC status.

Explanation:
At TDMF initialization, this target volume has an unacceptable PPRC status. This message is usually issued because the volume's PPRC session has been suspended.

System action:

TDMF terminates.

User response:
Correct the error that caused the PPRC volume to become suspended and resubmit the TDMF Master job.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDBDDT

GTD1984S **The source volume is mounted on an unsupported device - cylinders greater than *cylnum*.**

Explanation:
At TDMF initialization, this source volume appears to have more than *cylnum* cylinders. A device of this size is not supported by this level of the product.

System action:
TDMF terminates.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDBDDT

GTD1985S **The target volume is mounted on an unsupported device - cylinders greater than *cylnum*.**

Explanation:
At TDMF initialization, this target volume appears to have more than cylnum cylinders. A device of this size is not supported by this level of the product.

System action:
TDMF terminates.

User response:
Migrate this volume to a supported target device.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDBDDT

GTD1986S **The duplex volume is mounted on an unsupported device - cylinders greater than *cylnum*.**

Explanation:
At TDMF initialization, this duplex or REMOTE to have more than *cylnum* cylinders. A device of this size is not supported by this level of the product.

System action:
TDMF terminates.

User response:
Migrate this volume to a supported target device.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDBDDT

GTD1987I **A source is currently active with a HDS Universal Replicator (TrueCopy) operation.**

Explanation:
A source volume is currently active with a Hitachi Universal Replicator asynchronous (TrueCopy) operation.

System action:
TDMF execution continues.

Detecting CSECT:
GTDBDDT

GTD1988I **A target is currently active with a HDS Universal Replicator (TrueCopy) operation.**

Explanation:
A target volume is currently active with a Hitachi Universal Replicator asynchronous (TrueCopy) operation.

System action:
TDMF execution continues.

Detecting CSECT:
GTDBDDT

GTD1989W **System *system-id* is not active in GDPS/PPRC configuration.**

Explanation

At TDMF initialization, the number of Master and Agent systems exceeds the number of systems reported as active by the "HYPERSW SYS" command. Because every active GDPS/PPRC system name in the command response matches one of the four-character SMF identifiers that was specified for a Master or Agent, TDMF assumes that the Agent SMF id(s) with no matching GDPS/PPRC active system name should not have been specified.

The SMF identifier in the message is for an Agent system that is not active in the GDPS/PPRC session.

System action:
TDMF issues message GTD1867S or GTD1868S and terminates the Master job.

User response:
Correct the SESSION control statement and resubmit the TDMF Master job.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:

GTDBDDT

GTD1990W **Unable to establish task level RTM resource manager. Return code: *return-code*, reason code: *reason-code*.**

Explanation:
At initialization, TDMF used the RESMGR macro to add a resource manager routine to clean up after multiple operator CANCEL commands. The resource manager module could not be added.

System action:
TDMF continues to initialize without the task level resource manager.

Programmer response:
Contact technical support for assistance.

Problem determination:
The message contains the hexadecimal return (R15) and reason (R0) codes from the RESMGR macro.

Detecting CSECT:
GTDRTNM

GTD1991W **Unable to establish address space level RTM resource manager. Return code: *return-code*, reason code: *reason-code*.**

Explanation:
At initialization, TDMF used the RESMGR macro to add a resource manager routine to clean up after an operator FORCE command. The resource manager module could not be added.

System action:
TDMF continues to initialize without the protection of a custom resource manager.

Programmer response:
Contact technical support for assistance.

Problem determination:
The message contains the hexadecimal return (R15) and reason (R0) codes from the RESMGR macro.

Detecting CSECT:
GTDRTNM

GTD1992W **Unable to delete task level RTM resource manager. Return code: *return-code*, reason code: *reason-code*.**

Explanation:
TDMF attempted to delete the task level resource manager routine using the RESMGR macro. The resource manager routine could not be deleted.

System action:
TDMF continues to terminate without deleting the resource manager module from ECSA.

User response:
Execute the GTDCLUP cleanup utility program.

Programmer response:
Contact technical support for assistance.

Problem determination:
The message contains the hexadecimal return (R15) and reason (R0) codes from the RESMGR macro.

Detecting CSECT:
GTDRTNM

GTD1993W **Unable to delete address space level RTM resource manager. Return code: *return-code*, reason code: *reason-code*.**

Explanation:
TDMF attempted to delete the address space level resource manager routine using the RESMGR macro. The resource manager routine could not be deleted.

System action:
TDMF continues to terminate without deleting the resource manager module from ECSA.

User response:
Execute the GTDCLUP cleanup utility program.

Programmer response:
Contact technical support for assistance.

Problem determination:
The message contains the hexadecimal return (R15) and reason (R0) codes from the RESMGR macro.

Detecting CSECT:
GTDRTNM

GTD1994I **The RTM Resource Manager module was deleted from ECSA.**

Explanation:
TDMF has successfully deleted the task and address space level resource manager routine, using the RESMGR macro, and deleted the GTDRMGR module from ECSA virtual storage.

System action:
TDMF continues termination processing.

Detecting CSECT:
GTDRTNM

GTD1995W **NetView/HyperSwap interface initialization failure. Return code: *return-code*, reason code: *reason-code*.**

Explanation

TDMF attempted to contact the NetView address space to retrieve GDPS configuration data. Either the NetView address space was not found, or the requested information could not be retrieved. The

return and reason codes in the message have the following possible meanings:

4 The command response received from the NETVIEW started task does not have the expected format. The reason code is meaningless.

8 The program's MCSOPMSG macro set a non-zero return code. The reason code is the MCSOPMSG macro's return and reason codes.

12 The program's MCSOPER REQUEST=ACTIVATE macro set a non-zero return code. The reason code is the MCSOPER macro's return and reason codes.

16 The started task identified by the NETVIEW parameter on the SESSION control statement is not currently active. The reason code is meaningless.

20 An abnormal termination occurred during processing. The reason code is the system abend code.

24 The program's ESTAEX macro set a non-zero return code. The reason code is the ESTAEX macro's return and reason codes.

28 Program error. GTDIBM was called with an invalid function code. The reason code is the low order 16 bits of the value that was passed to the MGCRE subroutine.

30 Timeout. There was no response from NetView to the "HYPERSW SYS" command within one minute. The reason code is meaningless.

System action:
The program returns to GTDBDDT and the migration will be terminated.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDIBM

GTD1996W NetView/HyperSwap interface deactivation failure. Return code: *return-code*, reason code: *reason-code*.

Explanation:
TDMF attempted to deactivate the Extended MCS Console facility. The MCSOPER DEACTIVATE macro set a non-zero return code. The contents of registers 15 and zero on return from the MCSOPER macro are displayed in the message as hexadecimal return and reason codes.

System action:
Program termination continues.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDTERM

GTD1997W SYSZVVDS Reserve not converted to Global ENQ.

Explanation
TDMF has detected that the SYSVTOC/volser and SYSZVVDS/volser RESERVE macros will be treated differently by GRS (or the active OEM equivalent). In this case, the SYSZVVDS RESERVE macro will cause a physical device reserve, which could cause ICKDSF on the Master system and the CATALOG address space on an Agent system to become interlocked (SYSZBNDX/volser required by an Agent and "start pending" for the device on the Master).

This warning indication can be suppressed by using the NOWARNING(1997) option on the SESSION control statement.

System action
Program initialization continues.

TDMF will simulate an environment in which the SYSVTOC/volser RESERVE macro would also cause a physical device reserve, by delaying the volume resume function on Agent systems until ICKDSF processing has completed for the volume on the Master system. This will result in a longer volume "outage" on the Agent systems. Message GTD2280I will be issued for the volume on every Agent system to mark the start of the resume delay.

Programmer response:
Modify the installation's GRS RNLs (or OEM equivalent) to treat SYSVTOC and SYSZVVDS reserve requests in the same manner.

Detecting CSECT:
GTDEDDT

GTD1998W SYSVTOC and SYSZVVDS Reserve conversion mismatch with Master system.

Explanation:
TDMF has detected that either the SYSVTOC/volser or SYSZVVDS/volser RESERVE macro will not be treated in the same way, by GRS (or the active OEM equivalent), on this Agent system as they are on the Master system.

System action:
Program initialization continues. TDMF will delay resume processing on this Agent system if a SYSZVVDS/volser RESERVE macro would cause a physical reserve on the device, and the SYSVTOC/volser RESERVE macro on the Master system has been converted to a Global ENQ. In this case, message GTD2280I will be issued for the volume to mark the start of the resume delay.

Programmer response:

Modify the installation's GRS RNLs (or OEM equivalent) to treat SYSVTOC and SYSZVVDS reserve requests in the same manner, and ensure that all systems that share this volume are using the same serialization mechanisms.

Detecting CSECT:
GTDEDDT

GTD1999I **Allow PAV option for volume has been suppressed on this Agent system.**

Explanation:
The volume has the automatic ICKDSF and Allow PAV options in effect, but TDMF has determined that it might not be able to unbind PAV alias devices at volume quiesce time. There is a possibility of a lockout situation existing with the TDMF Master system holding the SYSZBNDX/volser resource and a CATALOG address space holding the SYSZVVDS/volser resource with a physical device reserve. Although there are mechanisms within TDMF to detect this situation and prevent it causing a hang, it is not possible to perform a successful unbind request when this ENQ/reserve lockout situation exists.

System action

Program initialization continues.

TDMF will not bind alias devices for this volume after activation, so there will be no parallel access to the volume from this Agent system during the migration.

User response:
If PAV is more desirable than automatic ICKDSF for a volume, specify the NOICKDSF option.

Programmer response:
Modify the installation's GRS RNLs (or OEM equivalent) to convert SYSVTOC and SYSZVVDS reserve requests if possible.

Detecting CSECT:
GTDEDDT

GTD2001I **The Master system is requesting the initialization process for a volume from a remote System Data Mover.**

Explanation:
The Master system is starting the initialization process for a volume and has requested the same from a remote System Data Mover agent system.

System action:
Volume initialization continues.

Detecting CSECT:
GTDUVOL

GTD2002I **This remote System Data Mover agent has received an initialization request for this volume.**

Explanation:
An Agent system that is also a remote System Data Mover has received an initialization volume request.

System action:
Volume initialization continues.

Detecting CSECT:
GTDCVOL

GTD2003I **This remote System Data Mover agent is responding to an initialization request for this volume.**

Explanation:
An Agent system that is also a remote System Data Mover is responding to an initialization volume request from a master.

System action:
Volume initialization continues.

Detecting CSECT:
GTDUVOL

GTD2004I **The Master system has received a positive initialization response for a volume from a remote System Data Mover agent.**

Explanation:
The Master system is starting its initialization process for a volume after receiving a positive response from a remote System Data Mover agent system.

System action:
Volume initialization continues.

Detecting CSECT:
GTDCVOL

GTD2005I **The Master system is requesting the activation process for a volume from a remote System Data Mover.**

Explanation:
The Master system is starting the activation process for a volume and has requested the same from a remote System Data Mover agent system.

System action:
Volume activation continues.

Detecting CSECT:
GTDUVOL

GTD2006I **This remote System Data Mover agent has received an activation request for this volume.**

Explanation:

An Agent system that is also a remote System Data Mover has received an activation volume request.

System action:
Volume activation continues.

Detecting CSECT:
GTDCVOL

GTD2007I **This remote System Data Mover agent is responding to an activation request for this volume.**

Explanation:
An Agent system that is also a remote System Data Mover is responding to an activation volume request from a master.

System action:
Volume activation continues.

Detecting CSECT:
GTDUVOL

GTD2008I **The Master system has received a positive activation response for a volume from a remote System Data Mover agent.**

Explanation:
The Master system is starting its activation process for a volume after receiving a positive response from a remote System Data Mover agent system.

System action:
Volume activation continues.

Detecting CSECT:
GTDCVOL

GTD2009I **The Master system is requesting the quiesce process for a volume from a remote System Data Mover.**

Explanation:
The Master system is starting the quiesce process for a volume and has requested the same from a remote System Data Mover agent system.

System action:
Volume quiescing continues.

Detecting CSECT:
GTDUVOL

GTD2010I **This remote System Data Mover agent has received an quiesce request for this volume.**

Explanation:
An Agent system that is also a remote System Data Mover has received an quiesce volume request.

System action:
Volume quiescing continues.

Detecting CSECT:
GTDCVOL

GTD2011I **This remote System Data Mover agent is responding to an quiesce request for this volume.**

Explanation:
An Agent system that is also a remote System Data Mover is responding to an quiesce volume request from a master.

System action:
Volume quiescing continues.

Detecting CSECT:
GTDUVOL

GTD2012I **The Master system has received a positive quiesce response for a volume from a remote System Data Mover agent.**

Explanation:
The Master system is starting its quiesce process for a volume after receiving a positive response from a remote System Data Mover agent system.

System action:
Volume quiescing continues.

Detecting CSECT:
GTDCVOL

GTD2013I **The Master system is requesting the swap process for a volume from a remote System Data Mover.**

Explanation:
The Master system is starting the swap process for a volume and has requested the same from a remote System Data Mover agent system.

System action:
Volume swapping continues.

Detecting CSECT:
GTDUVOL

GTD2014I **This remote System Data Mover agent has received a swap request for this volume.**

Explanation:
An Agent system that is also a remote System Data Mover has received a swap volume request.

System action:
Volume swapping continues.

Detecting CSECT:
GTDCVOL

GTD2015I **This remote System Data Mover agent is responding to a swap request for this volume.**

Explanation:

An Agent system that is also a remote System Data Mover is responding to an swap volume request from a master.

System action:
Volume swapping continues.

Detecting CSECT:
GTDUVOL

GTD2016I **The Master system has received a positive swap response for a volume from a remote System Data Mover agent.**

Explanation:
The Master system is starting its swap process for a volume after receiving a positive response from a remote System Data Mover agent system.

System action:
Volume swapping continues.

Detecting CSECT:
GTDCVOL

GTD2017I **The Master system is requesting the backout process for a volume from a remote System Data Mover.**

Explanation:
The Master system is starting the backout process for a volume and has requested the same from a remote System Data Mover agent system.

System action:
Volume backing out continues.

Detecting CSECT:
GTDUVOL

GTD2018I **This remote System Data Mover agent has received a backout request for this volume.**

Explanation:
An Agent system that is also a remote System Data Mover has received a volume backout request.

System action:
Volume backing out continues.

Detecting CSECT:
GTDCVOL

GTD2019I **This remote System Data Mover agent is responding to a backout request for this volume.**

Explanation:
An Agent system that is also a remote System Data Mover is responding to a volume backout request from a master.

System action:
Volume backing out continues.

Detecting CSECT:
GTDUVOL

GTD2020I **The Master system has received a positive backout response for a volume from a remote System Data Mover agent.**

Explanation:
The Master system is starting its backout process for a volume after receiving a positive response from a remote System Data Mover agent system.

System action:
Volume backing out continues.

Detecting CSECT:
GTDCVOL

GTD2021I **The Master system is requesting the resume process for a volume from a remote System Data Mover.**

Explanation:
The Master system is starting the resume process for a volume and has requested the same from a remote System Data Mover agent system.

System action:
Volume resuming continues.

Detecting CSECT:
GTDUVOL

GTD2022I **This remote System Data Mover agent has received an resume request for this volume.**

Explanation:
An Agent system that is also a remote System Data Mover has received a resume volume request.

System action:
Volume resuming continues.

Detecting CSECT:
GTDCVOL

GTD2023I **This remote System Data Mover agent is responding to an resume request for this volume.**

Explanation:
An Agent system that is also a remote System Data Mover is responding to a resume volume request from a master.

System action:
Volume resuming continues.

Detecting CSECT:
GTDUVOL

GTD2024I **The Master system has received a positive resume response for a**

volume from a remote System Data Mover agent.

Explanation:
The Master system is starting its termination process for a volume after receiving a positive response from a remote System Data Mover agent system.

System action:
Volume resuming continues.

Detecting CSECT:
GTDCVOL

GTD2025I **The Master system is requesting the termination process for a volume from a remote System Data Mover.**

Explanation:
The Master system is starting the termination process for a volume and has requested the same from a remote System Data Mover agent system.

System action:
Volume termination continues.

Detecting CSECT:
GTDUVOL

GTD2026I **This remote System Data Mover agent has received a termination request for this volume.**

Explanation:
An Agent system that is also a remote System Data Mover has received an termination volume request.

System action:
Volume termination continues.

Detecting CSECT:
GTDCVOL

GTD2027I **This remote System Data Mover agent is responding to a termination request for this volume.**

Explanation:
An Agent system that is also a remote System Data Mover is responding to a termination request from a master.

System action:
Volume termination continues.

Detecting CSECT:
GTDUVOL

GTD2028I **The Master system has received a positive termination response for a volume from a remote System Data Mover agent.**

Explanation:
The Master system is starting its termination process for a volume after receiving a positive response from a remote System Data Mover agent system.

System action:
Volume termination continues.

Detecting CSECT:
GTDCVOL

GTD2029I **The Master system is requesting the DELETE XRC DRAIN process for a volume from a remote System Data Mover.**

Explanation:
The Master system is requesting a DELETE XRC DRAIN process for a volume from a remote System Data Mover agent system.

System action:
Deletion of a XRC process continues.

Detecting CSECT:
GTDUVOL

GTD2030I **This remote System Data Mover agent has received a DELETE XRC DRAIN request for this volume.**

Explanation:
An Agent system that is also a remote System Data Mover has received a DELETE XRC DRAIN volume request.

System action:
Deletion of a XRC process continues.

Detecting CSECT:
GTDCVOL

GTD2031I **This remote System Data Mover agent is responding positively to a DELETE XRC DRAIN request for this volume.**

Explanation:
An Agent system that is also a remote System Data Mover is responding to a DELETE XRC DRAIN volume request from a master.

System action:
Deletion of a XRC process continues.

Detecting CSECT:
GTDUVOL

GTD2032I **This remote System Data Mover agent is responding to negatively to a DELETE XRC DRAIN request for this volume.**

Explanation:
An Agent system that is also a remote System Data Mover is responding to an DELETE XRC DRAIN volume request from a master.

System action:
Deletion of a XRC process continues.

Detecting CSECT:
GTDUVOL

GTD2033I **The Master system has received a positive DELETE XRC response for a volume from a remote System Data Mover agent.**

Explanation:
The Master system is going to issue a start swap process for a volume after receiving a positive response from a remote System Data Mover agent system.

System action:
Deletion of a XRC process continues.

Detecting CSECT:
GTDCVOL

GTD2034I **The Master system has received a negative DELETE XRC response for a volume from a remote System Data Mover agent.**

Explanation:
The Master system is starting its quiesce process for a volume after receiving a negative response from a remote System Data Mover agent system.

System action:
Deletion of a XRC process continues.

Detecting CSECT:
GTDCVOL

GTD2035I **The Master system is requesting the ADD XRC NOCOPY process for a volume from a remote System Data Mover.**

Explanation:
The Master system is requesting a ADD XRC NOCOPY process for a volume from a remote System Data Mover agent system.

System action:
Addition of a XRC process continues.

Detecting CSECT:
GTDUVOL

GTD2036I **This remote System Data Mover agent has received an ADD XRC NOCOPY request for this volume.**

Explanation:
An Agent system that is also a remote System Data Mover has received an ADD XRC NOCOPY volume request.

System action:
Addition of an XRC process continues.

Detecting CSECT:
GTDCVOL

GTD2037I **This remote System Data Mover agent is responding positively to a ADD XRC NOCOPY request for this volume.**

Explanation:
An Agent system that is also a remote System Data Mover is responding to an ADD XRC NOCOPY volume request from a master.

System action:
Addition of a XRC process continues.

Detecting CSECT:
GTDUVOL

GTD2038I **This remote System Data Mover agent is responding negatively to a ADD XRC NOCOPY request for this volume.**

Explanation:
An Agent system that is also a remote System Data Mover is responding to an ADD XRC NOCOPY volume request from a master.

System action:
Addition of a XRC process continues.

Detecting CSECT:
GTDUVOL

GTD2039I **The Master system has received a positive ADD XRC NOCOPY response for a volume from a remote System Data Mover agent.**

Explanation:
The Master system is starting its quiesce process for a volume after receiving a positive response from a remote System Data Mover agent system.

System action:
Addition of a XRC process continues.

Detecting CSECT:
GTDCVOL

GTD2040I **The Master system has received a negative ADD XRC NOCOPY response for a volume from a remote System Data Mover agent.**

Explanation:
The Master system is starting its quiesce process for a volume after receiving a negative response from a remote System Data Mover agent system.

System action:
Addition of a XRC process continues.

Detecting CSECT:
GTDCVOL

GTD2041I **This remote System Data Mover agent is requesting volume termination for this volume.**

Explanation:
An Agent system that is also a remote System Data Mover is requesting volume termination due to some error during the migration process.

System action:
Volume termination continues.

Detecting CSECT:
GTDUVOL

GTD2042I **The Master system has received a response from a remote System Data Mover agent requesting volume termination.**

Explanation:
An Agent system that is also a remote System Data Mover is requesting volume termination due to some error during the migration process.

System action:
Volume termination continues.

Detecting CSECT:
GTDCVOL

GTD2043I **A remote System Data Mover agent system attempted to read system record zero information after completing its initialization.**

Explanation:
An Agent system that is also a remote System Data Mover is requesting volume termination due to some error during the migration process.

System action:
Volume migration continues.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDCVOL

GTD2044I **A remote System Data Mover agent system attempted to write system record zero information after completing its initialization.**

Explanation:
An Agent system that is also a remote System Data Mover is requesting volume termination due to some error during the migration process.

System action:
Volume migration continues.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDUVOL

GTD2045I **A remote System Data Mover agent is posting the XCPY task to perform a XADDPAIR function.**

Explanation:
An Agent system that is also a remote System Data Mover is posting the XADDPAIR function.

System action:
Volume migration continues.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDCVOL

GTD2046I **A remote System Data Mover agent is posting the XCPY task to perform a XDELPAIR function.**

Explanation:
An Agent system that is also a remote System Data Mover is posting the XDELPAIR function.

System action:
Volume migration continues.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDCVOL

GTD2047I **A remote System Data Mover agent has received a post from the XCPY task from a XADDPAIR function.**

Explanation:
An Agent system that is also a remote System Data Mover has received a reply from the XADDPAIR function.

System action:
Volume migration continues.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDUVOL

GTD2048I **A remote System Data Mover agent has received a post from the XCPY task from a XDELPAIR function.**

Explanation:
An Agent system that is also a remote System Data Mover has received a reply from the XDELPAIR function.

System action:

Volume migration continues.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDUVOL

GTD2049I **This remote System Data Mover agent is requesting volume backout for this volume.**

Explanation:
An Agent system that is also a remote System Data Mover is requesting volume backout due to some error during the migration process.

System action:
Volume processing continues.

Detecting CSECT:
GTDUVOL

GTD2050E **System Data Mover session not discovered for volume.**

Explanation:
A source volume is currently active in an extended remote copy (XRC) session and is being migrated to an XRC capable target device. To complete this migration TDMF will use System Data Mover commands to break and reconnect the XRC volume pair, and these commands must be executed on the same LPAR as the SDM itself. There does not appear to be an Agent system active on the same LPAR as the SDM address space controlling the volume's XRC session.

System action:
TDMF execution is terminated.

User response:
Submit a new session for this volume, that includes an Agent running on the same system as the SDM address space for this volume.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDXVOL

GTD2051I **The Master system has received a response from a remote System Data Mover agent requesting volume backout.**

Explanation:
An Agent system that is also a remote System Data Mover is requesting volume backout due to some error during the migration process.

System action:
Volume termination continues.

Detecting CSECT:
GTDCVOL

GTD2052E **For a source volume, a Read FlashCopy Relationship Table operation failed.**

Explanation:
For a source volume of a migration request, a Read Subsystem Data/FlashCopy table I/O failed.

System action:
TDMF terminates this volume migration.

System programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDBDDT

GTD2053E **For a target volume, a Read FlashCopy Relationship Table operation failed.**

Explanation:
For a target volume of a migration request, a Read Subsystem Data/FlashCopy table I/O failed.

System action:
TDMF terminates this volume migration.

System programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDBDDT

GTD2054E **For a source volume of a migration request, being the target of a FlashCopy operation may cause a data integrity exposure.**

Explanation:
For a target volume of a migration request, a Read Subsystem Data/FlashCopy table I/O failed.

System action:
TDMF terminates this volume migration.

System programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDBDDT

GTD2055E **For a target volume, a Read FlashCopy Relationship Table indicates this volume is the target of a FlashCopy relationship.**

Explanation:
For a target volume of a migration request, being the target of a FlashCopy operation may cause a data integrity exposure.

System action:
TDMF terminates this volume migration.

System programmer response:

Contact technical support for assistance.

Detecting CSECT:
GTDBDDT

GTD2056E **For a Source volume, a Read FlashCopy Relationship Table indicates this volume has an active FlashCopy source relationship, and the debug keyword NOACTIVEFC has been specified.**

Explanation:
TDMF will disable FlashCopy as part of the migration, NOACTIVEFC allows the user to terminate a migration if a relationship already exists. This may help if future batch jobs require FlashCopy to stay enabled.

System action:
TDMF terminates this volume migration.

System programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDBDDT

GTD2166S **A HIGHVIRTUAL (above 2GB) storage request (TRK data) failed.**

Explanation:
TDMF was unable to acquire 68KB of virtual storage for this volume in the high virtual private area. The total amount of private area virtual storage allocated during Master system initialization depends on the number of volumes to be migrated, their size in cylinders, and the number of Agent systems.

System action:
TDMF execution is terminated.

User response:
Increase the MEMLIMIT size and resubmit the job. Refer to the *IBM Transparent Data Migration Facility for z/OS Reference Guide* for estimating virtual storage requirements.

Detecting CSECT:
GTDCDDT

GTD2167S **An EPVT (above 16MB) obtain storage migration request (MISC data) failed.**

Explanation:
TDMF was unable to acquire 8-12KB of virtual storage in the extended private area for this volume. The total amount of private area virtual storage allocated during Master system initialization depends on the number of volumes to be migrated, their size in cylinders, and the number of Agent systems.

System action:
TDMF execution is terminated.

User response:
Increase the region size and resubmit the job. Refer to the *IBM Transparent Data Migration Facility for z/OS Reference Guide* for estimating virtual storage requirements.

Detecting CSECT:
GTDCDDT

GTD2240S **No Agent active on system *system*.**

Explanation:
After initialization of the Master and Agent systems, there appears to be an active member of the parallel sysplex containing this LPAR that is not participating in this TDMF migration session. There might be several systems in this sysplex that were not included in this session, but only one GTD2240S message is issued per sysplex.

System action:
TDMF terminates the migration session.

User response

Use the "DISPLAY XCF,SYSPLEX,ALL" operator command on this system to display the systems in the parallel sysplex. The command response, message IXC337I, lists the systems in the parallel sysplex by name and CPU serial number. Add the missing active system(s) to the migration session and resubmit the Master and Agent jobs. Ensure that there is an Agent job for every added system and take into account that TDMF requires each system's SMF id in the Agent parameter list on the SESSION control statement, and not the system name as displayed in the message. If this is impractical, ensure that all the migration volumes are offline to the excluded active systems and add these CPU serial numbers to the IGNORESYS option parameter on the SESSION control statement.

Note: Each IGNORESYS parameter is the 10-character *cpu-id* from the IXC337I message, in the order LPAR, SERIAL and TYPE, with no imbedded spaces.

Detecting CSECT:
GTDNVOL

GTD2241E **Source volume now online (device *device-number*).**

Explanation:
At activation time, this source device was offline to this system. During the course of the migration the device has been varied online.

System action:
TDMF terminates this volume migration.

User response:
Vary the device offline again and attempt to restart the migration.

Detecting CSECT:

GTDQVOL

GTD2242E **Target volume now online (device *device-number*).**

Explanation:
At activation time, this target volume was offline to this system. During the course of the migration the device has been varied online.

System action:
TDMF terminates this volume migration.

User response:
Vary the device offline again and attempt to restart the migration.

Detecting CSECT:
GTDQVOL

GTD2243E **Duplex volume now online (device *device-number*).**

Explanation:
At activation time, this duplex or REMOTE target device was offline to this system. During the course of the migration the device has been varied online.

System action:
TDMF terminates this volume migration.

User response:
Vary the device offline again and attempt to restart the migration.

Detecting CSECT:
GTDQVOL

GTD2244E **No Logical Path data found for the Master system. SCU is *scu-serial*.**

Explanation:
During TDMF session initialization, the logical path data was read from the source volume's storage controller. The logical path data returned appears to be in error, as there was no path data matching the TDMF Master system's SHID.

System action:
TDMF terminates this volume migration.

User response

Report the error to the storage controller's vendor. The logical path data for a volume can be formatted using ICKDSF. The control statement format is (ddname refers to a DD statement identifying the volume):

ANALYZE DDNAME(ddname) NOSCAN NODRIVE

The migration can be resubmitted with the SESSION control statement option: OPT(IGNORESCUS(*scu-serial*)), but this will bypass unidentified systems checking for volumes on this storage controller.

Detecting CSECT:
GTDXVOL

GTD2245E **No Logical Path data found for Agent system *system*. SCU is *scu-serial*.**

Explanation:
During TDMF session initialization, the logical path data was read from the source volume's storage controller. The logical path data returned appears to be in error, as there was no path data matching this Agent system's SHID and the volume is online to the Agent system.

System action:
TDMF terminates this volume migration.

User response

Report the error to the storage controller's vendor. The logical path data for a volume can be formatted using ICKDSF. The control statement format is (ddname refers to a DD statement identifying the volume):

ANALYZE DDNAME(ddname) NOSCAN NODRIVE

The migration can be resubmitted with the SESSION control statement option: OPT(IGNORESCUS(*scu-serial*)), but this will bypass unidentified systems checking for volumes on this storage controller.

Detecting CSECT:
GTDXVOL

GTD2246W **Logical Path data unavailable for source volume. SCU is *scu-serial*.**

Explanation:
TDMF is attempting to confirm that every path that has been established to the source volume was from a z/OS system where a Master or Agent is active. This volume's control unit is not capable of returning logical path data, so unidentified attached systems checking is bypassed. This warning indication can be suppressed by using the NOWARNING(2246) option on the SESSION control statement. The message will not be issued if the unidentified systems action specified is "ignore", OPT(UNIDENT(I)), or if the SESSION control statement IGNORESCUS option specifies the SCU serial number displayed in this message.

System action:
TDMF continues to check the remaining volumes.

Detecting CSECT:
GTDXVOL

GTD2247E **Logical Path data extraction error for source volume. Return code: *return-code*, reason code: *reason-code*. SCU is *scu-serial*.**

Explanation:

TDMF failed to read logical path or QHA data for the source device. The probable cause is an I/O error (return code 12, reason code 4).

System action:
TDMF terminates this volume migration.

User response:
The migration can be resubmitted with the SESSION control statement option: OPT(IGNORESCUS(*scu-serial*)), but this will bypass unidentified systems checking for volumes on this storage controller.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDXVOL

GTD2248W Logical Path data extraction error for source volume. Return code: *return-code*, reason code: *reason-code*. SCU is *scu-serial*.

Explanation:
TDMF failed to read logical path or QHA data for the source device. The probable cause is an I/O error (return code 12, reason code 4).

System action:
TDMF continues to check the remaining volumes.

User response:
The migration can be resubmitted with the SESSION control statement option: OPT(IGNORESCUS(*scu-serial*)), but this will bypass unidentified systems checking for volumes on this storage controller.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDXVOL

GTD2249E Logical Path data unavailable for source volume. SCU is *scu-serial*.

Explanation:
TDMF is attempting to confirm that every path that has been established to the source volume was from a z/OS system where a Master or Agent is active. This volume's control unit is not capable of returning logical path data, so unidentified attached systems checking cannot be performed. This message is issued for a 3990-3 type control unit, when the Unidentified systems option is set for volume termination (E or T).

System action:
TDMF continues to check the remaining volumes.

User response:
Once it has been established that all the z/OS systems that have access to this volume are participating in the TDMF migration session, the volume can be restarted using the TSO Monitor, or the volume can be migrated in a new session after adding the SCU serial number displayed in this message to the SESSION control statement IGNORESCUS option.

Detecting CSECT:
GTDXVOL

GTD2250E Logical Path data is unreliable for source volume. The SCU is *scu-serial*.

Explanation:
TDMF is attempting to confirm that every path that has been established to the source volume was from a z/OS system where a Master or Agent is active. This volume's control unit does not provide reliable logical path data, so unidentified attached systems checking cannot be performed reliably. This message is issued for a control unit when the Unidentified systems option is set for volume termination.

System action:
TDMF continues to check the remaining volumes.

User response:
Once it has been established that all the z/OS systems that have access to this volume are participating in the TDMF migration session, the volume can be migrated in a new session after adding the SCU serial number displayed in this message to the SESSION control statement IGNORESCUS option.

Detecting CSECT:
GTDXVOL

GTD2251E The I/O Monitor hook was not installed for the source device.

Explanation:
TDMF has attempted to install the I/O Monitor as the Start Subchannel exit for the source device, by replacing the UCBDDT value. This was unsuccessful.

System action:
The volume migration is terminated.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDAVOL

GTD2252E The I/O Monitor hook was not installed for the target device.

Explanation:
TDMF has attempted to install the I/O Monitor as the Start Subchannel exit for the target device, by replacing the UCBDDT value. This was unsuccessful.

System action:
The volume migration is terminated.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDAVOL

GTD2253E **The I/O Monitor hook was not installed for the duplex target device.**

Explanation:
TDMF has attempted to install the I/O Monitor as the Start Subchannel exit for the duplex, or remote, target device, by replacing the UCBDDT value. This was unsuccessful.

System action:
The volume migration is terminated.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDAVOL

GTD2254I **The TCP/IP Send Buffer size is *buffer-size* KB.**

Explanation:
TDMF is using the specified value for the SO_SNDBUF socket option for volume data transmission sockets. On a REMOTE system, the value will normally be 4KB, while for the LOCAL session the value will be either 112KB or the installation default - whichever is greater.

System action:
The SO_SNDBUF option will be applied to the sockets for all the migration volumes.

Detecting CSECT:
GTDXSL1, GTDXSR1

GTD2255I **The TCP/IP Receive Buffer size is *buffer-size* KB.**

Explanation:
TDMF is using the specified value for the SO_RCVBUF socket option for volume data transmission sockets. On the LOCAL system, the value will normally be 4KB, while for a REMOTE session the value will be either 112KB or the installation default - whichever is greater.

System action:
The SO_RCVBUF option will be applied to the sockets for all the migration volumes.

Detecting CSECT:
GTDXSL1, GTDXSR1

GTD2256S **During volume processing, the read of the SYSCOM dataset failed, invalid parm.**

Explanation:
TDMF is attempting to read the communications dataset during volume processing and the I/O failed due to an invalid function or parameter.

System action:
TDMF execution is terminated.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDCVOL

GTD2257S **During volume processing, the read of the SYSCOM dataset failed, CCW build.**

Explanation:
TDMF is attempting to read the communications dataset during volume processing and the I/O failed due to an error in the CCW build routine.

System action:
TDMF execution is terminated.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDCVOL

GTD2258S **During volume processing, the read of the SYSCOM dataset failed, I/O error.**

Explanation:
TDMF is attempting to read the communications dataset during volume processing and the I/O failed due to an I/O error returned from GTDSIO.

System action:
TDMF execution is terminated.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDCVOL

GTD2259S **During volume processing, the read of the SYSCOM dataset failed, abend.**

Explanation:
TDMF is attempting to read the communications dataset during volume processing and the I/O failed due to an abend in GTDSIO.

System action:
TDMF execution is terminated.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDCVOL

GTD2260S **During volume processing, the update of the SYSCOM dataset failed, invalid parm.**

Explanation:
TDMF is trying to update the communications dataset during volume processing and the I/O failed due to an invalid function or parameter.

System action:
TDMF execution is terminated.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDUVOL

GTD2261S **During volume processing, the update of the SYSCOM dataset failed, CCW build.**

Explanation:
TDMF is trying to update the communications dataset during volume processing and the I/O failed due to an error in the CCW build routine.

System action:
TDMF execution is terminated.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDUVOL

GTD2262S **During volume processing, the update of the SYSCOM dataset failed, I/O error.**

Explanation:
TDMF is trying to update the communications dataset during volume processing and the update failed due to an I/O error returned from GTDSIO.

System action:
TDMF execution is terminated.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDUVOL

GTD2263S **During volume processing, the update of the SYSCOM dataset failed, abend.**

Explanation:
TDMF is trying to update the communications dataset during volume processing and the I/O failed due to an abend in GTDSIO.

System action:
TDMF execution is terminated.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDUVOL

GTD2264S **During volume processing, the update of the SYSCOM VMSG failed, invalid parm.**

Explanation:
TDMF is trying to update the communications VMSG data during volume processing and the I/O failed due to an invalid function or parameter.

System action:
TDMF execution is terminated.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDWVOL

GTD2265S **During volume processing, the update of the SYSCOM VMSG failed, CCW build.**

Explanation:
TDMF is trying to update the communications VMSG data during volume processing and the I/O failed due to an error in the CCW build routine.

System action:
TDMF execution is terminated.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDWVOL

GTD2266S **During volume processing, the update of the SYSCOM VMSG failed, I/O error.**

Explanation:
TDMF is trying to update the communications VMSG data during volume processing and the I/O failed due to an I/O error returned from GTDSIO.

System action:
TDMF execution is terminated.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDWVOL

GTD2267S **During volume processing, the update of the SYSCOM VMSG failed, abend.**

Explanation:

TDMF is trying to update the communications VMSG data during volume processing and the I/O failed due to an abend in GTDSIO.

System action:
TDMF execution is terminated.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDWVOL

GTD2268E **This Agent system is terminating volume migration as requested by the Master.**

Explanation:
During volume processing this Agent system received a request from the Master to terminate this volume's migration.

System action:
The volume migration is terminated.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDTVOL

GTD2269E **An Agent system abended and requested the termination of the TDMF system.**

Explanation:
During volume processing this Master system received a request from an Agent system to terminate the TDMF system due to an abend on an Agent system.

System action:
TDMF execution is terminated.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDTVOL

GTD2270E **The Master system is requesting the termination of the TDMF system.**

Explanation:
During volume processing this Master system is requesting the termination of TDMF due to an abend.

System action:
TDMF execution is terminated.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDVOL

GTD2271E **This Agent system is requesting the termination of the TDMF system.**

Explanation:
During volume processing this Agent system is requesting the termination of TDMF due to an abend.

System action:
TDMF execution is terminated.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDVOL

GTD2272E **The Master system is requesting the termination of this volume migration.**

Explanation:
During volume processing this Master system is requesting the termination of this volume migration.

System action:
The volume is terminated.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDVOL, GTDZVOL

GTD2273E **This Agent system is requesting the termination of this volume migration.**

Explanation:
During volume processing this Agent system is requesting the termination of this volume migration.

System action:
The volume is terminated.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDTVOL

GTD2274S **Due to an Agent system initialization failure, the TDMF system is terminating.**

Explanation:
During volume processing the Master system detected an Agent system initialization failure.

System action:
TDMF execution is terminated.

Programmer response:
Contact technical support for assistance.

Problem determination:

This message is usually preceded by message GTD2278S for each Agent system that encountered an error during initialization. If no message GTD2278S was issued, check that there is a SYSTEMS control statement for each Agent system.

Detecting CSECT:
GTDCVOL

GTD2275I Initialization not complete for Agent *system-id*.

Explanation:
The Agent system shown has not completed initialization and the Master system has started termination processing.

System action:
The Master system issues message GTD2274S or GTD2295S and the migration session is terminated.

Detecting CSECT:
GTDCVOL, GTDUVOL

GTD2276E During volume activation, a device dependent table (DDT) appears to be invalid.

Explanation:
When attempting volume activation, a device dependent table (DDT) pointer in the UCB has been found that does not point to an IBM DDT. Thus TDMF considers the pointer to be invalid, or that one of the volumes is located on a UCB that is an EMC device and the device is a part of an EMC consistency group. TDMF does not currently support EMC consistency groups.

System action:
The volume migration is terminated.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDRTNV

GTD2277E During TDMF termination, a device dependent table (DDT) appears to be invalid.

Explanation:
When attempting to terminate and clean up, a device dependent table (DDT) pointer in the UCB has been found that does not point to either an IBM DDT or a TDMF DDTE.

System action:
TDMF termination continues.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDRTNV

GTD2278S Initialization failed on Agent system *system-id*.

Explanation:
The Agent system shown has requested termination of the TDMF session because of an initialization failure.

System action:
The Master system issues message GTD2274S and the migration session is terminated.

User response:
Examine the SYSPRINT from the TDMF Agent job on the MVS system identified in the message. Correct the error and resubmit the Master and all Agent migration jobs.

Detecting CSECT:
GTDCVOL

GTD2279E Volume to be initialized on unit *unit-address* has bound PAV alias device.

Explanation:
While attempting to install the TDMF I/O Monitor for a migration volume, it was determined that a volume has bound PAV alias device(s). The TDMF PAV UNBIND function should have prevented this from occurring.

System action:
The volume is terminated.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDRTNV

GTD2280I Resume delayed for volume until ICKDSF complete.

Explanation:
ICKDSF is active for this volume on the Master system and has acquired the necessary global GRS resources, but has not physically reserved the device. Because a reserve request for the SYSZVVDS resource on this system, followed by an ENQ request for SYSZBNDX/volser, would result in a deadly embrace, TDMF has delayed volume resume processing on this Agent until ICKDSF has completed.

Detecting CSECT:
GTDRVOL

GTD2281I The Master system is starting the initialization process for a volume.

Explanation:
The Master system is starting the initialization process for a volume.

Detecting CSECT:
GTDRTNV

GTD2282I **This Agent system is starting the initialization process for a volume.**

Explanation:
An Agent system is starting the initialization process for a volume.

Detecting CSECT:
GTDRTNV

GTD2283I **The Master system is starting the migration process for a volume.**

Explanation:
The Master system is starting the migration process for a volume.

Detecting CSECT:
GTDAVOL

GTD2284I **This Agent system is starting the migration process for a volume.**

Explanation:
This Agent system is starting the migration process for a volume.

Detecting CSECT:
GTDAVOL

GTD2285I **The Master system is starting the quiesce process for a volume.**

Explanation:
The Master system is starting the quiesce process for a volume.

Detecting CSECT:
GTDQVOL

GTD2286I **This Agent system is starting the quiesce process for a volume.**

Explanation:
An Agent system is starting the quiesce process for a volume.

Detecting CSECT:
GTDQVOL

GTD2287I **The Master system is starting the swap process for a volume.**

Explanation:
The Master system is starting the swap process for a volume.

Detecting CSECT:
GTDSVOL

GTD2288I **This Agent system is starting the swap process for a volume.**

Explanation:
An Agent system is starting the swap process for a volume.

Detecting CSECT:
GTDSVOL

GTD2289I **The Master system is starting the backout process for a volume.**

Explanation:
The device swap request on the Master system set a non-zero return code.

System action:
The Master system attempts to backout the swap and to rewrite both volume labels to set the original source and target serial numbers.

Detecting CSECT:
GTDBVOL

GTD2290I **This Agent system is starting the backout process for a volume.**

Explanation:
Volume backout has been scheduled by TDMF after an unsuccessful (or only partially successful) device swap on one of the participating MVS systems.

System action:
If the device swap had not been attempted on this Agent system, or if it had been unsuccessful, no further action is performed. If the source UCB describes the target device, the IOS swap service will be invoked again to restore the original device configuration.

Detecting CSECT:
GTDBVOL

GTD2291I **The Master system is starting the resume process for a volume.**

Explanation:
The Master system is starting the resume process for a volume.

Detecting CSECT:
GTDRVOL

GTD2292I **This Agent system is starting the resume process for a volume.**

Explanation:
An Agent system is starting the resume process for a volume.

Detecting CSECT:
GTDRVOL

GTD2293I **The Master system is starting the termination process for a volume.**

Explanation:
The Master system is starting the termination process for a volume.

Detecting CSECT:
GTDTVOL

GTD2294I **This Agent system is starting the termination process for a volume.**

Explanation:
An Agent system is starting the termination process for a volume.

Detecting CSECT:
GTDTVOL

GTD2295S **Migration process terminated due to the non-initialization of all Agent system.**

Explanation:
One of the Agent systems in this migration failed to initialize properly within fifteen minutes of the start of the TDMF Master job. This message will also be issued if all volume migrations are terminated prior to the successful system initialization of all Agents in the TDMF session.

System action:
TDMF execution is terminated.

User response:
Correct input statements and resubmit migration jobs as required.

Problem determination:
Check SYSLOG and SYSPRINT for additional messages. This message can be preceded by message GTD2275I for each Agent system that failed to initialize.

Detecting CSECT:
GTDUVOL

GTD2296S **Migration process terminated due to the non-initialization of all Agent system.**

Explanation:
An Agent system is terminating as all of the Agent systems specified in the TDMF Job JCL did not start up within the required time.

System action:
TDMF execution is terminated.

User response:
Resubmit migration jobs as required.

Problem determination:
Review SYSLOG and SYSPRINT for timing of migration job submission and execution.

Detecting CSECT:
GTDUVOL

GTD2297I **The GTDIMON error return reason code associated with this failure is (*reason-code*).**

Explanation

The error detected by the TDMF I/O Monitor routine has an associated reason code as follows:

The following errors were detected during the start of an I/O operation request or during the end of an I/O operation:

00 Invalid DDTE control block
2E IOSB contains an SSCH exit not GTDIMON

The following errors were detected during the start of an I/O operation request:

04 Invalid WORK control block
08 I/O operation directed to target volume
09 Unsupported TCW format
0A Unsupported TIDAW format
0B Invalid TTIC
0C Invalid TIDAW0_COUNT processing TCCB
0D DCW requires TCWWRITE in TCW
0E Invalid DCW Command Chaining
0F DCW_CDCOUNT/DCW_COUNT Conflict
10 Invalid CCW address
14 Write I/O operation directed to source volume
1C Invalid SCCW control block
20 CCW starting real address was zero
24 I/O operation directed to alias UCB
28 Monitor entered for unknown device
2C I/O operation directed to target volume
2D ZHPF I/O operation on non-ZHPF device
2F I/O request at TDMF quiesce level
30 Invalid IOQ address
32 Invalid IOQ extension
34 Invalid IOSB address
37 Invalid IOSEIDAW flag
38 IOSUCB address is invalid
39 UCB not addressable
3A UCBID invalid
3B Unsupported combination of CD and MIDA CCW flags.
3E ZHPF I/O operation on target device
3F DOVA target device online.
40 Unexpected target device I/O.
FC Abend in TDMF SSCH exit

The following errors were detected during the end of an I/O operation:

44 Invalid WORK control block
48 I/O operation received from target
50 Invalid CCW address
54 Invalid VRBM control block
58 Invalid TDMFVRNQ control block
5C Invalid SCCW control block
60 IOS CCW Translate table address is zero

68 SCCW control block full
6C SCCW control block full
70 No locate record/search CCW detected
72 Unsupported PSF order code detected
74 Unsupported STK/IBM ECAM I/O operation detected
75 Unknown STK/IBM ECAM function code detected
76 Format error in STK/IBM ECAM DE/LR parameter
77 STK/IBM ECAM message format error detected
78 Invalid cylinder location detected
7B Unsupported combination of CD and MIDA CCW flags.
7C TDMFVRNQ control block full
7F Invalid non-retentive data id. -- probably a concurrent copy is active on the volume.
81 Invalid Diagnostic Write CCW
82 Invalid Diagnostic Write CCW
83 Invalid Diagnostic Write CCW
84 Invalid Transfer In Channel CCW
88 TIC to TIC CCW chain detected
8C TIC to TIC CCW chain detected
90 Invalid Locate Record Extended CCW parm
92 Invalid Locate Record Extended CCW parm
94 Invalid Locate Record CCW parm
98 Invalid Locate Record Extended opcode -- Can be caused by attempting to migrate (swap) a volume from an ESCON to a non-ESCON device. The volume probably contains an IMS Write Ahead Dataset-WADS
9C Invalid Locate Record Extended opcode
A0 Invalid Define Extent parm
A1 Unsupported Prefix format
A2 Invalid Prefix parameter
A3 Unsupported ZHPF function
A4 Write detected crossing cylinder
A5 Unsupported ZHPF Prefix/LRE control data format
A8 Invalid track crossing no LR(E)
AC Invalid track crossing LRE opcode
B0 Invalid track crossing LRE opcode
B4 Invalid track crossing CCW opcode
B8 Non-zero return code from TRKCALC
BC Non matching CCHH in WCKD CCW
C0 Locate record but no define extent
C2 Invalid Locate Record search address
C3® Multi-track Write Any operation
C4 Invalid transfer length factor
CC Write detected crossing extent boundary
D0 Write detected outside domain boundary
D8 An IBM ESS function detected
DC A channel program using MIDAWs detected
E4 Invalid IOSB address
E6 Unsupported IDAW format
E7 IOSEIDAW flag not valid for host
E8 IOSUCB invalid
E9 UCB not addressable
EA UCBID invalid
EB Error in MIDAW list
F0 Invalid key length value (Either zero or greater than 255)
F8 IOSB contains an SSCH exit not GTDIMON
FC Abend in TDMF I/O Monitor

Detecting CSECT:
GTDRTNV

GTD2298E **A source volume has dynamically become active with a XRC or PPRC operation.**

Explanation:
A source volume has dynamically become active with an extended remote copy (XRC), or a peer-to-peer remote copy (PPRC) copy operation. A volume's migration is not supported in this environment.

System action:
This volume's migration is terminated.

Detecting CSECT:
GTDRTNV

GTD2299E **For a migration request, the source device requested was offline.**

Explanation:
For a migration request, the source device requested was offline at activation.

System action:
This volume's migration is terminated.

Detecting CSECT:
GTDAVOL

GTD2300E **For a migration request, the source device requested was changing status.**

Explanation:
For a migration request, the source device requested was changing status from online to offline at activation.

System action:
This volume's migration is terminated.

Detecting CSECT:
GTDAVOL

GTD2301E **For a migration request, the target device requested was offline.**

Explanation:

For a migration request, the target device requested was offline at activation.

System action:
This volume's migration is terminated.

Detecting CSECT:
GTDAVOL

GTD2302E **For a migration request, the target device requested was changing status.**

Explanation:
For a migration request, the target device requested was changing status from online to offline at activation.

System action:
This volume's migration is terminated.

Detecting CSECT:
GTDAVOL

GTD2303I **The Master system has completed the migration process for a volume.**

Explanation:
The Master system has completed the migration process for a volume.

Detecting CSECT:
GTDTVOL

GTD2304I **This Agent system has completed the migration process for a volume.**

Explanation:
This Agent system has completed the migration process for a volume.

Detecting CSECT:
GTDTVOL

GTD2305S **The Master system has detected that an Agent system is no longer active.**

Explanation:
During volume processing the Master system has detected that an Agent system is no longer active or is not responding. This message may be received multiple times is multiple Agent systems die simultaneously. Resources acquired on behalf of the migration may not have been released.

System action:
The TDMF system is terminated.

Programmer response:
Run GTDCLUP on all systems to ensure there are no TDMF artifacts remaining which could affect system operation or performance.

Detecting CSECT:
GTDCVOL

GTD2306S **This Agent system has detected that the Master system is no longer active.**

Explanation:
During volume processing this Agent system has detected that the Master system is no longer active or is not responding. This message should be received once for each Agent system, in this case.

System action:
The TDMF system is terminated.

Detecting CSECT:
GTDCVOL

GTD2307S **This system is attempting to continue execution, after being considered dead.**

Explanation:
During volume processing this system is attempting to continue TDMF execution after being considered dead.

System action:
The TDMF system is terminated.

Detecting CSECT:
GTDCVOL

GTD2308S **The GTDVOL program has detected an abend that is considered recoverable.**

Explanation:
GTDVOL has detected a recoverable abend.

System action:
TDMF execution is terminated.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDVOL

GTD2309S **The GTDVOL program has detected an abend that is considered unrecoverable.**

Explanation:
GTDVOL has detected a unrecoverable abend.

System action:
TDMF execution is terminated.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDVOL

GTD2310S **An ENQ/RESERVE was attempted in GTDVOL for the CDS but it was already held.**

Explanation:
An ENQ was attempted in GTDVOL for the communications dataset when the ENQ was already held.

Detecting CSECT:
GTDRTNV

GTD2311E **An Agent system has requested termination of this volume migration.**

Explanation:
During volume processing this Master system received a request from an Agent system to terminate this volume's migration.

System action:
The volume migration is terminated.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDTVOL

GTD2312I **During swap processing, the source volume serial number was written on target.**

Explanation:
During volume swap processing, the volume serial number of the target has been written to the volume serial number of the original source volume.

System action:
The volume migration continues processing. This message is suppressed.

Detecting CSECT:
GTDSVOL

GTD2313I **During swap processing, a different volume serial number was written on source.**

Explanation:
During volume swap processing, the volume serial number of the source has been written to the volume serial number of the original target volume or the specified new volume serial number.

System action:
The volume migration continues processing. This message is suppressed.

Detecting CSECT:
GTDSVOL

GTD2314I **During backout processing, the target volume serial number has been rewritten.**

Explanation:
During volume backout processing, the volume serial number of the target has been rewritten to its original value.

System action:
The volume migration continues processing.

Detecting CSECT:
GTDBVOL

GTD2315I **During backout processing, the source volume serial number has been rewritten.**

Explanation:
During volume backout processing, the volume serial number of the source has been rewritten to its original value.

System action:
The volume migration continues processing.

Detecting CSECT:
GTDBVOL

GTD2316S **This Agent system failed when reading the target volume label during recovery.**

Explanation:
During recovery on an Agent system after the Master system died, the Agent system received an error when attempting to read the volume label from the target volume. Therefore this Agent system will perform volume backout processing.

System action:
The volume migration continues processing.

Detecting CSECT:
GTDCVOL

GTD2317S **This Agent system failed when reading the source volume label during recovery.**

Explanation:
During recovery on an Agent system after the Master system died, the Agent system received an error when attempting to read the volume label from the source volume. Therefore, this Agent system will perform volume backout processing.

System action:
The volume migration continues processing.

Detecting CSECT:
GTDCVOL

GTD2318S **During volume processing, the update of the SYSCOM failed, invalid parm.**

Explanation:
TDMF is trying to update the communications dataset during volume processing and the I/O failed due to an invalid function or parameter.

System action:
TDMF execution is terminated.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDEVOL

GTD2319S **During volume processing, the update of the SYSCOM failed, CCW build.**

Explanation:
TDMF is trying to update the communications dataset during volume processing and the I/O failed due to an error in the CCW build routine.

System action:
TDMF execution is terminated.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDEVOL

GTD2320S **During volume processing, the update of the SYSCOM failed, I/O error.**

Explanation:
TDMF is trying to update the communications dataset during volume processing and the I/O failed due to an I/O error returned from GTDSIO.

System action:
TDMF execution is terminated.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDEVOL

GTD2321S **During volume processing, the update of the SYSCOM failed, abend.**

Explanation:
TDMF is trying to update the communications dataset during volume processing and the I/O failed due to an abend in GTDSIO.

System action:
TDMF execution is terminated.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDEVOL

GTD2322S **During volume processing, the update of the SYSCOM VRBM failed, invalid parm.**

Explanation:
TDMF is trying to update the communications VRBM data during volume processing and the I/O failed due to an invalid function or parameter.

System action:
TDMF execution is terminated.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDWVOL

GTD2323S **During volume processing, the update of the SYSCOM VRBM failed, CCW build.**

Explanation:
TDMF is trying to update the communications VRBM data during volume processing and the I/O failed due to an error in the CCW build routine.

System action:
TDMF execution is terminated.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDWVOL

GTD2324S **During volume processing, the update of the SYSCOM VRBM failed, I/O error.**

Explanation:
TDMF is trying to update the communications VRBM data during volume processing and the I/O failed due to an I/O error returned from GTDSIO.

System action:
TDMF execution is terminated.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDWVOL

GTD2325S **During volume processing, the update of the SYSCOM VRBM failed, abend.**

Explanation:

TDMF is trying to update the communications VRBM data during volume processing and the I/O failed due to an abend in GTDSIO.

System action:
TDMF execution is terminated.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDWVOL

GTD2326S During volume processing, the update of the SYSCOM WORK failed, invalid parm.

Explanation:
TDMF is trying to update the communications WORK data during volume processing and the I/O failed due to an invalid function or parameter.

System action:
TDMF execution is terminated.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDWVOL

GTD2327S During volume processing, the update of the SYSCOM WORK failed, CCW build.

Explanation:
TDMF is trying to update the communications WORK data during volume processing and the I/O failed due to an error in the CCW build routine.

System action:
TDMF execution is terminated.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDWVOL

GTD2328S During volume processing, the update of the SYSCOM WORK failed, I/O error.

Explanation:
TDMF is trying to update the communications WORK data during volume processing and the I/O failed due to an I/O error returned from GTDSIO.

System action:
TDMF execution is terminated.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDWVOL

GTD2329S During volume processing, the update of the SYSCOM WORK failed, abend.

Explanation:
TDMF is trying to update the communications WORK data during volume processing and the I/O failed due to an abend in GTDSIO.

System action:
TDMF execution is terminated.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDWVOL

GTD2330E The GTDVOL program is terminating this migration at the request of GTDIMON.

Explanation:
GTDIMON has requested GTDVOL to terminate a migration.

System action:
The migration is terminated.

User response:
Find the informational message(s) following this one in the joblog, or in the "Display Details" TSO Monitor panel. If the unsupported I/O request was associated with a specific job, reschedule the migration of this volume to a time when this job is not active.

Programmer response:
Contact technical support for assistance.

Problem determination:
TDMF will attempt to determine what caused the I/O Monitor to request termination of the volume migration and this message will be followed by one of the informational messages GTD2297I, GTD2362I, GTD2363I, GTD2370I or GTD2371I. Additionally, if it was possible for the I/O Monitor to associate a jobname with an unacceptable I/O request, message GTD2596I will also appear in the output.

Detecting CSECT:
GTDRTNV

GTD2331E The GTDVOL program is terminating this migration due to an invalid DDTE.

Explanation:
During its execution, the GTDVOL program determined that the DDTE control block appeared to be invalid or overlaid.

System action:
This volume's migration is terminated.

Programmer response:

Contact technical support for assistance.

Detecting CSECT:
GTDRTNV

GTD2332W The VMSG control block is full for this volume migration.

Explanation:
TDMF has filled the message control block for this volume on this system. This message occupies the last (253rd) message position in the control block.

System action:
TDMF volume migration continues with no additional messages being received for this volume.

User response

The TDMF TSO Monitor should be used to check the final status for this volume migration. The Past Session Summary panel, option six, will indicate whether the volume completed successfully or had been terminated with an error condition.

Some volume messages can be suppressed, for example: the unidentified systems messages (GTD2382I) will not be issued for systems specified in the SESSION control statement IGNORESYStems option.

Detecting CSECT:
GTDRTNV

GTD2333S Due to a dead Master system, this Agent system is initiating backout processing.

Explanation:
During volume processing this Agent system has detected that the Master system is no longer active or is not responding. This Agent system is initiating backout processing for this volume's migration.

System action:
The TDMF system is terminated.

Detecting CSECT:
GTDCVOL

GTD2334S Due to a dead Master system, this Agent system is initiating resume processing.

Explanation:
During volume processing this Agent system has detected that the Master system is no longer active or is not responding. This Agent system is initiating resume processing for this volume's migration.

System action:
The TDMF system is terminated.

Detecting CSECT:
GTDCVOL

GTD2335S Due to a dead Master system, this Agent system is initiating volume termination.

Explanation:
During volume processing this Agent system has detected that the Master system is no longer active or is not responding. This Agent system is initiating termination processing for this volume's migration.

System action:
The TDMF system is terminated.

Detecting CSECT:
GTDCVOL

GTD2336E The GTDVOL program received an error while attempting to get the local lock.

Explanation:
During a migration process, the GTDVOL program could not get the local lock for the address space.

System action:
This volume's migration is terminated (possible logic error).

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDRTNV

GTD2337E The GTDVOL program received an error while attempting to get the CMS lock.

Explanation:
During a migration process, the GTDVOL program could not get the CMS lock for the system.

System action:
This volume's migration is terminated (possible logic error).

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDRTNV, GTDSVOL

GTD2338W The GTDVOL program received an error notifying RMF that a swap completed.

Explanation:
TDMF is to notify RMF via an ENF signal that a UCB SWAP has been completed. The ENF operation has failed.

System action:
Volume migration continues with this warning.

Programmer response:
Contact technical support for assistance.

Problem determination:
The low order byte of the ENFREQ return code is saved in the Communications Dataset as a field within the MSVE control block for this volume and system.

Detecting CSECT:
GTDRVOL

GTD2339E The GTDVOL program received an error while quiescing the source volume.

Explanation:
An error was received while quiescing the source volume.

System action:
Volume migration is terminated.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDQVOL

GTD2340E The GTDVOL program received an error while quiescing the target volume.

Explanation:
An error was received while quiescing the target volume.

System action:
Volume migration is terminated.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDQVOL

GTD2341E The GTDVOL program received an error attaching the copy task for this migration.

Explanation:
An error was received while attaching the copy task for this migration.

System action:
Volume migration is terminated.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDAVOL, GTDXSL1

GTD2342E A copytask terminated in TAKESOCKET processing. ECB: *ECB*.

Explanation:
The copy task for this volume migration was attached to complete connection to the REMOTE system. The copy task terminated before signaling that the TCP/IP TAKESOCKET API call had been successfully completed.

System action:
Volume migration is terminated.

User response:
Terminate the REMOTE TDMF session.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDXSL1

GTD2343W The Master system is resuming target volume I/O operations during termination.

Explanation:
The Master system has discovered that target I/O operations have not been resumed at termination and is resuming them before continuing termination.

System action:
Volume termination continues.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDTVOL

GTD2344W The Master system is resuming source volume I/O operations during termination.

Explanation:
The Master system has discovered that source I/O operations have not been resumed at termination and is resuming them before continuing termination.

System action:
Volume termination continues.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDTVOL

GTD2345W This Agent system is resuming target volume I/O operations during termination.

Explanation:
This Agent system has discovered that target I/O operations have not been resumed at termination and is resuming them before continuing termination.

System action:
Volume termination continues.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:

GTDTVOL

GTD2346W This Agent system is resuming source volume I/O operations during termination.

Explanation:
This Agent system has discovered that source I/O operations have not been resumed at termination and is resuming them before continuing termination.

System action:
Volume termination continues.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDTVOL

GTD2347W The SMSG control block is full for this system.

Explanation:
The SMSG control block is full and cannot hold any more messages.

System action:
All TDMF migrations continue normally.

Detecting CSECT:
GTDRTNV

GTD2348E The following termination request was received from console *consoleid*.

Explanation:
The user has requested via the monitor interface that this volume's migration is to terminate prematurely.

System action:
All other volume migrations will proceed normally.

Detecting CSECT:
GTDTVOL

GTD2349I The Master system is starting the point-in-time migration process for a volume.

Explanation:
The Master system is starting a Point-In-Time migration process for a volume.

Detecting CSECT:
GTDSVOL

GTD2350I This Agent system is starting the point-in-time migration process for a volume.

Explanation:
An Agent system is starting the Point-In-Time migration process for a volume.

Detecting CSECT:
GTDSVOL

GTD2351E A subsystem function request to validate the target device by JES3 failed.

Explanation:
TDMF executed a Subsystem request, asking JES3 to validate the target device before swap processing. JES3's return code was greater than eight.

System action:
Volume migration is terminated.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDSVOL

GTD2352E A subsystem function request to notify JES3 that a swap is starting failed.

Explanation:
TDMF executed a Subsystem request notifying JES3 that a swap operation was starting. JES3's return code was greater than eight.

System action:
Volume migration is terminated.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDSVOL

GTD2353W A subsystem function request to notify JES3 that a swap completed failed.

Explanation:
TDMF executed a Subsystem request notifying JES3 that a swap operation has completed. JES3's return code was greater than eight.

System action:
Volume migration continues with a warning.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDSVOL

GTD2354E A failure occurred while writing the source VSN on the target device.

Explanation:
During swap processing, the write of the source volume serial number upon the target device failed.

System action:
Volume migration terminates.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDSVOL

GTD2355E **A failure occurred while writing the target VSN on the source device.**

Explanation:
During swap processing, the write of the new volume serial number to the source device failed.

System action:
Volume migration terminates.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDSVOL

GTD2356E **The MVS DFP control block (DFA) appears to be invalid.**

Explanation:
While attempting to locate Storage Subsystem control blocks, the MVS DFP control block (DFA) appears to be invalid.

System action:
Volume migration is terminated.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDSVOL

GTD2357E **The MVS DFP control block (DFVT) appears to be invalid.**

Explanation:
While attempting to locate Storage Subsystem control blocks, the MVS DFP control block (DFVT) appears to be invalid.

System action:
Volume migration is terminated.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDSVOL

GTD2358E **The MVS DFP control block (SSSVT) appears to be invalid.**

Explanation:
While attempting to locate Storage Subsystem control blocks, the MVS DFP control block (SSSVT) appears to be invalid.

System action:
Volume migration is terminated.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDSVOL

GTD2359E **The MVS DFP control block (SSSCT) appears to be invalid.**

Explanation:
While attempting to locate Storage Subsystem control blocks, the MVS DFP control block (SSSCT) appears to be invalid.

System action:
Volume migration is terminated.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDSVOL

GTD2360E **The MVS DFP control block (SSSCB) appears to be invalid.**

Explanation:
While attempting to locate Storage Subsystem control blocks, the MVS DFP control block (SSSCB) appears to be invalid.

System action:
Volume migration is terminated.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDSVOL

GTD2361E **The MVS DFP control block (SSCBDH) appears to be invalid.**

Explanation:
While attempting to locate Storage Subsystem control blocks, the MVS DFP control block (SSCBDH) appears to be invalid.

System action:
Volume migration is terminated.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDSVOL

GTD2362I **This GTDIMON error was due to the detection of an invalid CCW opcode (*ccw-opcode*).**

Explanation:
The error detected by the TDMF I/O Monitor routine was caused by the execution of a Channel Command Word (CCW) operation code that is not supported during a volume's migration.

System action:
Volume migration is terminated.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDRTNV

GTD2363I **This GTDIMON error was due to the detection of a Cache Fast Write operation.**

Explanation:
The error detected by the TDMF I/O Monitor routine was caused by the execution of a Define Extent Channel Command Word (CCW) which requested the use of Cache Fast Write. Since the Cache Fast Write domain will not be valid for the target device, volumes requesting Cache Fast Write operations are not permitted to complete a migration.

System action:
Volume migration is terminated.

Programmer response:
Refer to the *IBM Transparent Data Migration Facility for z/OS Reference Guide* for more information on Cache Fast Write (CFW).

Detecting CSECT:
GTDRTNV

GTD2364E **A failure occurred while writing the source VSN on the source device.**

Explanation:
During backout processing, the write of the source volume serial number upon the source device failed.

System action:
Message GTD2369E is issued for the volume and the source and target UCBs are marked offline and boxed. The Master system will also inform the Agent systems that the volume labels have not been successfully processed, causing the devices to be taken offline and boxed on all systems.

Programmer response
Ensure that the source and target volumes are offline on all systems, then use ICKDSF to relabel the volumes to their original or intended serial numbers. Once the volumes have been repaired and brought back online, it might be necessary to issue DEVSERV diagnostic commands to reactivate Parallel Access Volume and FlashCopy support for the source and target devices:

DS DIAG,*device-address*,BINDPAVS
DS DIAG,*device-address*,ALLOWFC
DS QDASD,*device-address*,VALIDATE

Contact technical support for assistance.

Detecting CSECT:
GTDBVOL

GTD2365E **A failure occurred while writing the target VSN on the target device.**

Explanation:
During backout processing, the write of the target volume serial number upon the target device failed.

System action:
Message GTD2369E is issued for the volume and the source and target UCBs are marked offline and boxed. The Master system will also inform the Agent systems that the volume labels have not been successfully processed, causing the devices to be taken offline and boxed on all systems.

Programmer response
Ensure that the source and target volumes are offline on all systems, then use ICKDSF to relabel the volumes to their original or intended serial numbers.

Once the volumes have been repaired and brought back online, it might be necessary to issue DEVSERV diagnostic commands to reactivate Parallel Access Volume and FlashCopy support for the source and target devices:

DS DIAG,*device-address*,BINDPAVS
DS DIAG,*device-address*,ALLOWFC
DS QDASD,*device-address*,VALIDATE

Contact technical support for assistance.

Detecting CSECT:
GTDBVOL

GTD2366E **The GTDVOL program received an error while attempting to free the local lock.**

Explanation:
During a migration process, the GTDVOL program could not free the local lock for the address space.

System action:
This volume's migration is terminated (possible logic error).

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDRTNV

GTD2367E **The GTDVOL program received an error while attempting to free the CMS lock.**

Explanation:

During a migration process, the GTDVOL program could not free the CMS lock for the system.

System action:
This volume's migration is terminated (possible logic error).

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDRTNV

GTD2368E **The GTDVOL program received an error during IOS SWAP processing.**

Explanation:
During the device swap process, a non-zero return code was set by IOS SWAP processing.

System action
TDMF will attempt to backout the device swap on the systems where it was successful. Note that the source and target UCBs may have been swapped before the error condition was detected by IOS, in which case backout processing will also be attempted on this system.

If this message is issued on the Master system, TDMF will also rewrite the source and target volume labels - in order to return to the original configuration.

User response:
Check the status of backout processing for the volume on all participating systems.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDSVOL

GTD2369E **The GTDVOL program received an error during IOS SWAP backout processing.**

Explanation
During its backout process, the GTDVOL program received an error during its IOS swap processing. The UCBs for the source and target devices are incorrect on this system.

On the Master system this message is also issued following GTD2364E or GTD2365E (unsuccessful volume label rewrite), and in this situation IOS swap processing will not be invoked.

System action:
TDMF marks the source and target devices unusable on this system (offline and boxed).

Programmer response
In most cases the source and target volumes can be varied online to correct the devices' UCBs, although special care must be taken if message GTD2364E or GTD2365E was issued on the Master system for this volume - indicating that the status of the source and/or target serial numbers is indeterminate.

Do not consider using ICKDSF to relabel a source or target volume unless it is known to be offline to ALL the participating systems.

Once the volumes have been varied online, it might be necessary to issue DEVSERV diagnostic commands to reactivate Parallel Access Volume and FlashCopy support for the source and target devices:

DS DIAG,*device-address*,BINDPAVS
DS DIAG,*device-address*,ALLOWFC
DS QDASD,*device-address*,VALIDATE

Contact technical support for assistance.

Detecting CSECT:
GTDBVOL

GTD2370I **The CCW operation code was: *ccw-opcode*. The unsupported order code was: *order-code*.**

Explanation
The volume migration was terminated because the TDMF I/O monitor detected a "Perform Subsystem Function" or a "Define Subsystem Operation" command, directed towards the source volume, with a function code whose purpose is not understood by TDMF.

All PSF or DSO orders which are known to not modify data on the addressed device are permitted by TDMF. The order code displayed in this message is unsupported.

The particular command which performed the unsupported function can be determined from the message. The CCW operation code for PSF is "27"; for DSO the code is "F7".

System action:
Migration of this volume is terminated.

User response:
Message GTD2596I should follow this message, identifying the job or started task that issued the I/O request containing the unsupported PSF or DSO function. Determine from the appropriate software vendor how this situation can be circumvented, then rerun the migration for the failing volume or group.

Detecting CSECT:
GTDRTNV

GTD2371I **This GTDIMON error was due to the detection of an invalid Locate Record operation (*order-code*).**

Explanation

The error detected by the TDMF I/O Monitor routine was caused by the execution of a Locate Record or Locate Record Extended CCW with an operation or extended operation code that is not supported for this volume migration.

The LR(E) order that may be treated as an error in a migration, together with its associated DCE feature flag, is:

11 Erase, DCELRERS.

The LRE extended orders that may be treated as errors in a migration, together with their associated DCE feature flags, are:

0C Read Track Data, DCERTRD.
10 Prestage Trackset, DCEPRSTG.
11 Write Trackset, DCEWTRK.
13 Update Write Trackset, DCEWTRD.

System action:
Volume migration is terminated.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDRTNV

GTD2372W **GTDVOL signal I/O error. Return code: *return-code/reason-code*.**

Explanation:
An error was received while attempting to unchain the TDMF I/O Monitor hook from a migration volume UCB.

System action:
The I/O Monitor is unhooked using a different method.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDRTNV

GTD2373W **The VTOC on the target volume has been modified to prevent dataset allocation.**

Explanation:
A migration has been terminated before completion and the contents of the target volume are therefore indeterminate. To prevent VTOC access errors, or a mismatch between the contents of the VTOC and the data on the volume -- with the possibility of unauthorized access to the data which were successfully copied -- TDMF has written a three record "pseudo-VTOC" on track zero of the target volume.

System action:
Termination of this volume's migration continues.

User response:
The volume will require reinitialization, or be the target or duplex volume of a successful TDMF migration, to become available for general use. The volume can be immediately reused as a migration target, but any attempt to allocate a dataset on the volume will result in message IEC603I (VTOC errors may exist on the volume).

Detecting CSECT:
GTDRTNV

GTD2374E **A failure occurred while rewriting track zero on the target device.**

Explanation:
During cleanup processing after a Point-In-Time migration, an attempt to correct the VTOC pointer in the volume label on the target device was unsuccessful. The migration terminates, leaving the target device online to the Master system.

System action:
The point in time migration terminates. On the Agent system(s), the target device is taken offline. On the Master system, the target device remains online, but the volume label may still point to the "pseudo-VTOC" on track zero.

Programmer response:
The reason for the I/O error must be understood and corrected. Attempt to examine the VTOC to determine whether the volume label had been correctly rewritten before the I/O error. If the VTOC appears empty, or "VTOC error" messages are seen, the migration will have to be retried.

Detecting CSECT:
GTDSVOL

GTD2375E **Swap migration cannot be completed. An online UCB was found for a newvsn.**

Explanation:
For a migration request, a Unit Control Block (UCB) was found with a volume mounted whose serial number is the same as the new volume serial requested. Completing the migration would lead to a situation where confusion might arise because of these duplicate serial numbers.

System action:
Migration of this volume is terminated.

User response:
Choose the new volume serial with care, perhaps incorporating the device number to ensure that it will be unique within the configuration. If the duplicate serial numbers were intentional, delay varying the

other volume online until the migration has completed. It may then be necessary to vary the source device online and offline again before the volume with the duplicate serial can be brought online.

Detecting CSECT:
GTDQVOL

GTD2376E Migration abandoned. The target volume has become online on device *device-number*.

Explanation:
When the Migration started for this volume its target volume was not found, mounted on an online device, on one or more Agent systems. During the course of the migration, a volume with this serial number has been varied online to one of these systems.

System action:
Migration of this volume is terminated.

User response:
Rerun the migration, ensuring that target volumes retain their initial online or offline status on the Agent system(s) until the migration is complete.

Detecting CSECT:
GTDQVOL

GTD2377W This volume pair is connected to *systems* unidentified system(s).

Explanation
The devices' logical path data contains System Host identifiers which do not match those of the Master and Agent systems identified to TDMF. This message is followed by one or more instances of message GTD2382I, formatting the System Host identifiers for these systems.

The logical path data is only available from IBM 3990-6 or compatible storage controllers.

System action:
Volume selection continues.

User response
If there are MVS systems, connected to the source or target volumes, which are not participating in the TDMF session, it is the user's responsibility to ensure that the volumes are offline to these systems.

This message can be suppressed by specifying OPT(UNIDENTifiedsystems(Ignore)) on the SESSION control statement.

To cause termination of volume selection if there are unrecognized connected systems, specify OPT(UNIDENTifiedsystems(Terminate)) on the SESSION control statement.

Refer to the TDMF Reference Guide for additional information on the UNIDENTifiedsystems and IGNOREsystems options.

Detecting CSECT:
GTDXVOL

GTD2378W The GTDVOL program received an error requesting MVS to perform a volume unload.

Explanation:
TDMF has attempted to notify MVS, via an ENF signal, that a volume serial number has been made unavailable and should be removed from the list of mounted volumes. The volume serial which is no longer mounted is that of the original target device. There was a non-zero return code from the ENF call.

System action:
Migration of the volume continues.

Operator response:
The device should be varied online and offline again from the system console, to ensure that the volume serial number is removed from the IOS hash table.

Programmer response:
Contact technical support for assistance.

Problem determination:
The low order byte of the ENFREQ return code is saved in the Communications Dataset as a field within the MSVE control block for this volume and system.

Detecting CSECT:
GTDRVOL, GTDSVOL

GTD2379W An attempt to notify MVS of a device taken offline was unsuccessful.

Explanation:
TDMF has reset the UCBONLI bit for the original source (Swap type migration) or target device (Point in Time type). Using the Event Notification Facility (ENF), TDMF signaled the change in status of the device -- but a non-zero code was returned by the ENFREQ macro.

System action:
Migration of the volume continues.

Operator response:
The device should be varied online and offline again from the system console, to ensure that the offline notification is reissued.

Programmer response:
Contact technical support for assistance.

Problem determination:
The low order byte of the ENFREQ return code is saved in the Communications Dataset as a field within the MSVE control block for this volume and system.

Detecting CSECT:
GTDRVOL

GTD2380W **The GTDVOL program received an error notifying RMF that a backout swap completed.**

Explanation:
TDMF is in the process of backing out a swap type migration on this Agent system. As part of this process the Event Notification Facility (ENF) is called to signal that the source and target devices were successfully swapped to their original status. A non-zero code was returned by the ENFREQ macro.

System action:
Backout of the swap migration continues.

Programmer response:
Contact technical support for assistance.

Problem determination:
The low order byte of the ENFREQ return code is saved in the Communications Dataset as a field within the MSVE control block for this volume and system.

Detecting CSECT:
GTDBVOL

GTD2381I **This volume pair is connected to *systems* unidentified system(s).**

Explanation
During volume selection the Logical Path data for this volume were read from its storage controller. A number of logical paths appear to have been/ established for the source device from systems that were not specified as Master or Agents.

For this migration, the OPTIONS statement specified that this condition can be ignored.

This message is followed by a one or more instances of message GTD2382I.

The logical path data is only available from IBM 3990-6 or compatible storage controllers.

System action:
Volume selection continues.

Detecting CSECT:
GTDXVOL

GTD2382I ***cpu-serial cpu-type IPL-tod*.**

Explanation
This message is issued for each unidentified system that appears to have established a logical path to the volume pair. The message immediately follows message GTD2377W, GTD2381I or GTD2383E.

This message formats a System Host Identifier (SHID) from the information returned by the Read Subsystem Data (Status of the Logical Paths) CCW. The SHID consists of: the CPU serial number, the CPU type and the approximate IPL date and time. The CPU serial number is presented as ten hexadecimal characters; the four-digit serial number comprises the last four characters of this field.

System action:
Volume selection continues.

Detecting CSECT:
GTDXVOL

GTD2383E **This volume pair is connected to *systems* unidentified system(s).**

Explanation
The volume pair logical path or QHA data contains System Host identifiers which do not match those of the Master and Agent systems identified to TDMF.

For this migration, the OPTIONS statement specified that this condition should prevent a volume migration.

This message is followed by one or more instances of message GTD2382I, formatting the System Host identifiers for these systems. The logical path data is only available from IBM 3990-6 or compatible storage controllers.

System action:
The volume migration is terminated.

User response:
Use the information from the GTD2382I messages to determine which additional systems require a TDMF Agent to be active for this migration.

Detecting CSECT:
GTDXVOL

GTD2384W **The GTDVOL program received an error requesting MVS to perform a volume unload.**

Explanation:
TDMF has attempted to notify MVS, via an ENF signal, that a volume serial number has been made unavailable and should be removed from the list of mounted volumes. The volume serial which is no longer mounted is that of the original duplex target device. There was a non-zero return code from the ENF call.

System action:
Migration of the volume continues.

Operator response:
The device should be varied online and offline again from the system console, to ensure that the volume serial number is removed from the IOS hash table.

Programmer response:
Contact technical support for assistance.

Problem determination:
The low order byte of the ENFREQ return code is saved in the Communications Dataset as a field within the MSVE control block for this volume and system.

Detecting CSECT:
GTDRVOL

GTD2385W An attempt to notify MVS of a device taken offline was unsuccessful.

Explanation:
TDMF has reset the UCBONLI bit for the duplex target device of a Point in Time volume migration. Using the Event Notification Facility (ENF), TDMF signaled the change in status of the device - but a non-zero code was returned by the ENFREQ macro.

System action:
Migration of the volume continues.

Operator response:
The device should be varied online and offline again from the system console, to ensure that the offline notification is reissued.

Programmer response:
Contact technical support for assistance.

Problem determination:
The low order byte of the ENFREQ return code is saved in the Communications Dataset as a field within the MSVE control block for this volume and system.

Detecting CSECT:
GTDRVOL, GTDTVOL

GTD2386E PIT migration abandoned. The duplex target volume has become online on device *device-number*.

Explanation:
When the Point-In-Time migration started for this volume its duplex target volume was not found to be online to this Agent system. During the course of the migration, a volume with this serial number has been varied online to this system.

System action:
Migration of this volume is terminated.

User response:
Rerun the migration, ensuring that Point-In-Time target volumes retain their initial online or offline status on the Agent system(s) until the migration is complete.

Detecting CSECT:
GTDQVOL

GTD2387W A subsystem function request to validate the target device by JES3 failed.

Explanation:
TDMF is attempting to execute a Subsystem request to JES3 asking for JES3 to validate the target device before backout processing and the return code was greater than eight.

System action:
Volume backout processing continues.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDBVOL

GTD2388W A subsystem function request to notify JES3 that a swap is starting failed.

Explanation:
TDMF executed a Subsystem request to notify JES3 that a swap operation was starting as part of backout processing. JES3 returned a code greater than eight.

System action:
Volume backout processing continues.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDBVOL

GTD2389W A subsystem function request to notify JES3 that a swap completed failed.

Explanation:
TDMF executed a Subsystem request to notify JES3 that a swap operation had completed, as part of backout processing. JES3 returned a code greater than eight.

System action:
Volume backout processing continues.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDBVOL

GTD2390S The Master system failed when reading the target volume label during recovery.

Explanation:
During recovery on a Master system for the situation where an Agent system went dormant and then reawoke, the Master system received an error when attempting to read the volume label from the target volume. Therefore this Master will mark both the source and target volumes offline because it cannot determine the actual status of the volumes.

System action:

The volume migration continues processing. This potential advanced error recovery enhancement is planned but not currently implemented.

GTD2391S **The Master system failed when reading the source volume label during recovery.**

Explanation:
During recovery on a Master system for the situation where an Agent system went dormant and then reawoke, the Master system received an error when attempting to read the volume label from the source volume. Therefore this Master will mark both the source and target volumes offline because it cannot determine the actual status of the volumes.

System action:
The volume migration continues processing. This potential advanced error recovery enhancement is planned but not currently implemented.

GTD2392S **The Master system has marked both volumes offline during volume label recovery.**

Explanation:
During recovery on a Master system, the exact status of the source and target volumes cannot be determined. The Master will mark both the source and target volumes offline.

System action:
The volume migration continues processing. This potential advanced error recovery enhancement is planned but not currently implemented.

GTD2393S **The Agent system failed when reading the target volume label during recovery.**

Explanation:
During recovery on an Agent system for the situation where the Master became dormant and then reawoke, the Agent system received an error when attempting to read the volume label from the target volume. Therefore this Agent will mark both the source and target volumes offline because it cannot detected the proper volumes status.

System action:
The volume migration continues processing. This potential advanced error recovery enhancement is planned but not currently implemented.

GTD2394S **The Agent system failed when reading the source volume label during recovery.**

Explanation:
During recovery on an Agent system for the situation where the Master became dormant and then reawoke, the Agent system received an error when attempting to read the volume label from the source volume. Therefore this Agent will mark both the source and target volumes offline because it cannot detected the proper volumes status.

System action:
The volume migration continues processing. This potential advanced error recovery enhancement is planned but not currently implemented.

GTD2395S **The Agent system has marked both volumes offline during volume label recovery.**

Explanation:
During recovery on an Agent system, the exact status of the source and target volumes cannot be determined. The Agent will mark both the source and target volumes offline.

System action:
The volume migration continues processing. This potential advanced error recovery enhancement is planned but not currently implemented.

GTD2396W **A Terminate Group was attempted but this volume is not part of a group.**

Explanation:
A Terminate Group (TG) command was entered from the TDMF TSO Monitor but the volume does not belong to a group.

System action:
The volume selected will terminate as requested.

GTD2397E **Group Termination Request for group *groupid* was received from console *consoleid*.**

Explanation:
The user has requested via the monitor interface for this group's migration to terminate prematurely.

System action:
All other volume migrations will proceed normally.

Detecting CSECT:
GTDTVOL

GTD2398I **Volume Synchronization was responded to via console *consoleid*.**

Explanation:
The user has responded to a synchronization prompt for a volume.

Detecting CSECT:
GTDASPP

GTD2399I **Group Synchronization was responded to via console *consoleid*.**

Explanation:
This group migration Synchronization prompt was responded to via the console indicated.

Detecting CSECT:
GTDASPP

GTD2400S **A DEQ for the CDS was attempted in GTDVOL but an ENQ was not held.**

Explanation:
The Release_com routine in GTDVOL was called but an ENQ for the communications dataset was not held.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDRTNV

GTD2401E **This volume failed the initialization selection process and is a group volume.**

Explanation:
During the volume selection process of the initialization phase, a volume was found to be in an error state. This volume is a member of a volume group and the group termination option has been selected. The other volumes in this group will also be terminated.

System action:
This volume migration terminates.

Detecting CSECT:
GTDXVOL

GTD2402E **This volume failed the initialization selection process due to another volume.**

Explanation:
During the volume selection process of the initialization phase, a volume that is in the same group as this one was found to be in an error state. The group termination option had been specified for the session, or for the volumes in this group, so this volume could not be selected.

System action:
This volume migration terminates.

Detecting CSECT:
GTDXVOL

GTD2403I **This volume successfully selected for initialization and is a group volume.**

Explanation:
During the volume selection process of the initialization phase, this volume was selected and is a part of a group of volumes.

System action:
This volume migration continues normally.

Detecting CSECT:
GTDXVOL

GTD2404I **This volume successfully selected for initialization.**

Explanation:
During the volume selection process of the initialization phase, this volume was selected and is not part of a group.

System action:
This volume migration continues normally.

Detecting CSECT:
GTDXVOL

GTD2405I **This volume successfully selected for initialization.**

Explanation:
During the volume selection process of the initialization phase, this volume was selected and is not part of a group.

System action:
This volume migration continues normally.

Detecting CSECT:
GTDXVOL

GTD2406I **All storage frames to migrate this volume have been successfully page fixed.**

Explanation:
During the volume selection process of the initialization phase, this volume was selected and successfully had its storage page fixed.

System action:
This volume migration continues normally.

Detecting CSECT:
GTDRTNV

GTD2407E **All storage frames to migrate this volume were not successfully page fixed.**

Explanation:
During the volume selection process of the initialization phase, this volume was selected and TDMF was unsuccessful in its attempt to fix the required storage pages.

System action:
This volume migration terminates.

Detecting CSECT:
GTDRTNV

GTD2408I **All storage frames to migrate this volume have been successfully page freed.**

Explanation:
During the volume selection process of the initialization phase, this volume was selected and successfully had its storage successfully page freed.

System action:
This volume migration continues normally.

Detecting CSECT:
GTDRTNV

GTD2409I **All storage frames to migrate this volume were not successfully page freed.**

Explanation:
During the volume selection process of the initialization phase, this volume was selected and unsuccessfully had its storage successfully page freed.

System action:
This volume migration continues normally.

Detecting CSECT:
GTDRTNV

GTD2410I **All storage frames to migrate this volume have been successfully page freed.**

Explanation:
During the volume termination phase, this volume has had its storage successfully page freed.

System action:
This volume migration continues normally.

Detecting CSECT:
GTDWVOL

GTD2411A **Confirmation requested, reply CANCEL, or volume *volser*.**

Explanation:
A reply is required prior to migration of this volume because this option was selected.

Operator response:
Reply with the volume serial number contained in the message or CANCEL if the migration of this volume is not to be allowed.

Detecting CSECT:
GTDNVOL

GTD2412A **Confirmation requested, reply CANCEL, or group *groupid*.**

Explanation:
A reply is required prior to migration of this group of volumes because this option was selected.

Operator response:
Reply with the group name located in the message or CANCEL if the migration of this group is not to be allowed.

Detecting CSECT:
GTDNVOL

GTD2413A **Ready to synchronize, reply CANCEL, or volume *volser*.**

Explanation:
A reply is required prior to synchronization of this volume because this option was selected.

Operator response:
Reply with the volume serial number located in the message (or CANCEL if the migration of this volume is not to complete).

Detecting CSECT:
GTDASPP

GTD2414A **Ready to synchronize, reply CANCEL, or group *groupid*.**

Explanation:
A reply is required prior to synchronization this group of volumes because this option was selected.

Operator response:
Reply with the group name located in the message (or CANCEL if the migration of this group is not to complete).

Detecting CSECT:
GTDASPP

GTD2415E **Migration is being terminated by request for volume *source-volser*.**

Explanation:
This volume migration is being terminated due to operator CANCEL reply to message GTD2411A, or message GTD2579A, or via a request from the TDMF TSO Monitor.

Detecting CSECT:
GTDASPP, GTDNVOL

GTD2416E **Migrations are being terminated by request for group *groupid*.**

Explanation:
The volume migrations for the specified group are being terminated due to an operator CANCEL reply to message GTD2412A, or via a request from the TDMF TSO Monitor.

Detecting CSECT:
GTDASPP, GTDNVOL

GTD2417I **Volume migration confirmation received from console *consoleid*.**

Explanation:

This volume migration confirmation was received from the console indicated.

System action:
Migration of this volume continues.

Detecting CSECT:
GTDNVOL

GTD2418I **Group migration confirmation received from console *consoleid*.**

Explanation:
This group migration confirmation was received from the console indicated.

System action:
Migration of this group continues.

Detecting CSECT:
GTDNVOL

GTD2419I **Migration initialization process starting for volume *source-volser*.**

Explanation:
This volume migration is being initialized.

System action:
Migration of this volume continues.

Detecting CSECT:
GTDRTNV

GTD2420I **Migration initialization process starting for group *groupid*.**

Explanation:
This group of migration volumes is being initialized.

System action:
Migration of this group's volumes continues.

Detecting CSECT:
GTDRTNV

GTD2421I **Swap Migration process completed successfully volume *source-volser*.**

Explanation:
This volume migration is being completed successfully.

Detecting CSECT:
GTDTVOL

GTD2422I **Swap Migration has completed successfully for group *groupid*.**

Explanation:
This group of volume's migrations have completed successfully.

Detecting CSECT:
GTDTVOL

GTD2423I **Swap Migration was not completed successfully volume *source-volser*.**

Explanation:
This volume migration was not completed successfully.

Detecting CSECT:
GTDTVOL

GTD2424I **Swap Migration not completed successfully for group *groupid*.**

Explanation:
This group of volume's migrations have not completed successfully due to errors.

Detecting CSECT:
GTDTVOL

GTD2425I **Point-In-Time migration completed successfully volume *volser*.**

Explanation:
This volume migration is being completed successfully.

Detecting CSECT:
GTDTVOL

GTD2426I **Point-In-Time Migration completed successfully group *groupid*.**

Explanation:
This group of volume's migrations have completed successfully.

Detecting CSECT:
GTDTVOL

GTD2427I **Point-In-Time migration was not successful for volume *volser*.**

Explanation:
This volume migration was not completed successfully.

Detecting CSECT:
GTDTVOL

GTD2428I **Point-In-Time migration was not successful for group *groupid*.**

Explanation:
This group of volume's migrations have not completed successfully due to errors.

Detecting CSECT:
GTDTVOL

GTD2429W **This migration is ending with the source vector entry still indicating active.**

Explanation:

Although this migration may have ended successfully, this indicates a possible internal logic error in TDMF.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDWVOL

GTD2430W **This migration is ending with the target vector entry still indicating active.**

Explanation:
Although this migration may have ended successfully, this indicates a possible internal logic error in TDMF.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDWVOL

GTD2431W **This migration is ending with the duplex vector entry still indicating active.**

Explanation:
Although this migration may have ended successfully, this indicates a possible internal logic error in TDMF.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDWVOL

GTD2432E **For a migration request, the duplex device requested was offline.**

Explanation:
For a migration request, the duplex device requested was offline at activation.

System action:
This volume's migration is terminated.

Detecting CSECT:
GTDAVOL

GTD2433E **For a migration request, the duplex device requested was changing status.**

Explanation:
For a migration request, the duplex device requested was changing status from online to offline at activation.

System action:
This volume's migration is terminated.

Detecting CSECT:
GTDAVOL

GTD2434W **Allocation of duplex volume failed. Return code: *return-code*, S99ERROR: *S99ERROR*.**

Explanation:
During initialization for this volume, an attempt was made to allocate it to the TDMF session. The dynamic allocation was unsuccessful.

System action:
Processing continues.

Programmer response:
Contact technical support for assistance.

Problem determination:
The message text contains the Dynamic Allocation SVC return code and error reason code for the failure.

Detecting CSECT:
GTDAVOL

GTD2435W **The Master system is resuming duplex volume I/O operations during termination.**

Explanation:
The Master system has discovered that duplex I/O operations have not been resumed at termination and is resuming them before continuing termination.

System action:
Volume termination continues.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDTVOL

GTD2436W **This Agent system is resuming duplex volume I/O operations during termination.**

Explanation:
This Agent system has discovered that duplex I/O operations have not been resumed at termination and is resuming them before continuing termination.

System action:
Volume termination continues.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDTVOL

GTD2437W **The VTOC on the duplex volume has been modified to prevent dataset allocation.**

Explanation:
A migration has been terminated before completion and the contents of the duplex volume are therefore indeterminate. To prevent VTOC access errors, or a

mismatch between the contents of the VTOC and the data on the volume -- with the possibility of unauthorized access to the data which were successfully copied -- TDMF has written a three record "pseudo-VTOC" on track zero of the duplex volume.

System action:
Termination of this volume's migration continues.

User response:
The volume will require reinitialization, or be the target or duplex volume of a successful TDMF migration, to become available for general use. The volume can be immediately reused as a migration target.

Detecting CSECT:
GTDRTNV

GTD2438W The ULUT entry for this volume is in error after the swap.

Explanation:
The IOS device swap routine set a zero return code, but the UCBLOOK service is now unable to locate the UCB for the target device. This usually indicates an error occurred when swapping the device entries in the UCB Lookup Table (ULUT).

System action:
TDMF will attempt to take a system (SVC) dump for the first occurrence of this error in a migration session.

Programmer response:
Contact technical support for assistance and provide the SVC dump that was taken by TDMF. It may be necessary to re-IPL this system to rebuild the ULUT.

Detecting CSECT:
GTDSVOL

GTD2439I Target volume *target-volser* is now part of the EMC Consistency Group *cgname* on this system.

Explanation:
During the course of this migration session, this SRDF volume has joined the specified Consistency Group on this system.

System action:
TDMF continues normally.

Detecting CSECT:
GTDQVOL, GTDRTNV

GTD2447E A source volume is invalidly active with a HDS TrueCopy function.

Explanation:
A source volume is invalidly active with a HDS TrueCopy function. Either the target volume does not have HDS TrueCopy active or PPRC or SRDF is inactive or the ALLOWMIRRORCHANGE option was not specified.

System action:
TDMF execution is terminated.

User response

The customer is attempting to perform a swap migration between a source and target volume whose characteristics could inadvertently destroy his disaster recovery environment.

Please refer to the sections of the product's Installation and Reference manual entitled "EMC SRDF" and "PPRC" for the valid combinations of the source and target volumes supported by TDMF.

Programmer response:
Contact technical support for additional information.

Detecting CSECT:
GTDRTNV

GTD2448E A source volume is being migrated to a target volume in an invalid environment.

Explanation:
A source volume is being migrated to a target volume whose characteristics appear to destroy his disaster recovery environment.

System action:
TDMF execution is terminated.

User response

The customer is attempting to perform a swap migration between a source and target volume whose characteristics could inadvertently destroy his disaster recovery environment.

Please refer to the sections of the product's Installation and Reference manual entitled "EMC SRDF" and "PPRC" and "HDS TrueCopy" for the valid combinations of the source and target volumes supported by TDMF.

Programmer response:
Contact technical support for additional information.

Detecting CSECT:
GTDRTNV

GTD2449E The GTDVOL program received an error while quiescing the source volume due to an active concurrent copy session.

Explanation:
An error was received while quiescing the source volume.

System action:
Volume migration is terminated.

Programmer response:

Contact technical support for assistance.

Detecting CSECT:
GTDQVOL

GTD2450W **For a source volume, a Sense Subsystem Status I/O operation failed.**

Explanation

At quiesce time, when attempting to detect if Concurrent Copy is active upon the source volume, the Sense Subsystem Status I/O operation failed.

The swap migration continues with the assumption that no Concurrent Copy operation is currently active.

System action:
TDMF execution continues.

Detecting CSECT:
GTDQVOL

GTD2451I **The GDPS/PPRC HyperSwap performance enhancement will be utilized.**

Explanation:
The user has requested HyperSwap DISABLE processing and every participating system has a level of GDPS/PPRC software that will allow TDMF to re-enable HyperSwap without the requirement of UCB prepare processing.

System action:
TDMF execution continues. HyperSwap will be disabled before the volumes are quiesced, but the devices will not be "unprepared". This will result in faster "HYPERSW ON" processing and a shorter window with HyperSwap disabled.

Detecting CSECT:
GTDXVOL

GTD2452E **No System Data Mover session found for a target volume active with extended remote copy (XRC).**

Explanation:
The source volume is active with an extended remote copy (XRC) session and the "XRCVolume" option was requested or determined dynamically for the migration. However, the session cannot be moved to the target device as it appears to already be active in a DR mirror configuration, or does not have XRC capability.

System action:
TDMF execution is terminated.

Detecting CSECT:
GTDXVOL

GTD2453I **XRC sidefile threshold count *xrcstat*.**

Explanation:
This value represents the number of record set entries in the sidefile at which device blocking will begin.

System action:
TDMF execution continues.

Detecting CSECT:
GTDMVOL

GTD2454I **XRC actual sidefile count *xrcstat*.**

Explanation:
Actual number of record set entries in the session sidefile.

System action:
TDMF execution continues.

Detecting CSECT:
GTDMVOL

GTD2455W **Requested soft fencing actions are not supported by this master system.**

Explanation

Either FENCESOURCE, UNFENCETARGET or APPROVAL(FENCETARGET) was specified (or defaulted) on a SESSION, GROUP or MIGRATE statement and ANTRQST on the master system does not support soft fence.

This warning indication can be suppressed by using the NOWARNING(2455) option on the SESSION control statement.

System action:
TDMF execution continues.

Detecting CSECT:
GTDXVOL

GTD2456E **Requested soft fencing actions are not supported for source unit *device-number*.**

Explanation:
FENCESOURCE was specified on a GROUP or MIGRATE statement and the storage controller for the specified device does not support the channel command.

System action:
TDMF volume migration is terminated.

Detecting CSECT:
GTDXVOL

GTD2457E **Requested soft fencing action is not supported.**

Explanation:

The TDMF subroutine to set or reset the Soft Fence state for a device was called with an incorrect function code. This is an internal error and shall be reported to technical support.

System action:
TDMF volume migration continues.

Programmer response:
Report this error to technical support.

Detecting CSECT:
GTDIBM

GTD2458E **Attempt to put unit *device-number* into soft-fence state failed. (RC=*return-code*, RSN=*reason-code*).**

Explanation:
FENCESOURCE or APPROVAL(FENCETARGET) was specified (or defaulted) on a SESSION, GROUP or MIGRATE statement but the attempt to put the device into the soft-fence state failed. For return codes other than 8 see macro ANTRQSTL for explanations of the return and reason codes.

System action:
TDMF volume migration is terminated.

Detecting CSECT:
GTDIBM

GTD2459E **Attempt to take unit *device-number* out of soft-fence state failed (RC=*return-code*, RSN=*reason-code*).**

Explanation:
UNFENCETARGET was specified (or defaulted) on a SESSION, GROUP or MIGRATE statement but the attempt to take the target volume out of the soft-fence state has failed. For return codes other than 8 see macro ANTRQSTL for explanations of the return and reason codes.

System action:
TDMF volume migration is terminated.

Detecting CSECT:
GTDIBM

GTD2460E **The target unit *device-number* is in the soft-fence state but NOUNFENCETARGET was specified.**

Explanation:
NOUNFENCETARGET was specified on a SESSION, GROUP or MIGRATE statement but the target volume is in the soft-fence state.

System action:
TDMF volume migration is terminated.

Detecting CSECT:
GTDCDDT

GTD2461E **Attempt to put unit *device-number* into SPID-fence state failed (RC=*return-code*, RSN=*reason-code*).**

Explanation:
The SPIDFENCE option was specified but the attempt to put the device into the SPID-fence state failed. See macro ANTRQSTL for explanations of the return and reason codes.

System action:
TDMF migration for the volume is terminated.

Detecting CSECT:
GTDIBM

GTD2462E **Attempt to take unit device-number out of SPID-fence state failed (RC=*return-code*, RSN=*reason-code*).**

Explanation:
SPIDFENCE was specified for the session but the attempt to take the volume out of the SPID-fence state has failed. See macro ANTRQSTL for explanations of the return and reason codes.

System action:
TDMF migration for the volume is terminated.

Detecting CSECT:
GTDIBM

GTD2463W **The SPIDFENCE option was requested but the facility is not supported on this system.**

Explanation:
SPIDFENCE was specified for the session but the ANTRQST facility does not support the required SPID Fence functions.

System action:
TDMF migration for the volume continues.

Programmer response:
Update ANTRQST to a level that supports SPID Fence or specify the NOSPIDFENCE session option.

Detecting CSECT:
GTDMAIN

GTD2464W **Source unit *device-number* was not soft-fenced. (Perform Storage Controller Action not supported).**

Explanation

FENCESOURCE was specified on a GROUP or MIGRATE statement but the storage controller for the specified device does not support the channel command.

This warning indication can be suppressed by using the NOWARNING(2464) option on the SESSION control statement.

System action:
TDMF migration for the volume continues.

Detecting CSECT:
GTDSVOL

GTD2465W **Target unit *device-number* was not soft-fenced. (Perform Storage Controller Action not supported).**

Explanation

APPROVAL(FENCETARGET) was specified on a GROUP or MIGRATE statement but the storage controller for the specified device does not support the channel command.

This warning indication can be suppressed by using the NOWARNING(2465) option on the SESSION control statement.

System action:
TDMF migration for the volume continues.

Detecting CSECT:
GTDSVOL

GTD2466E **The SPID Fence for device *device-number* is not set.**

Explanation:
The SPIDFENCE and UNIDENT(T) parameters were specified. The SPID fence for this device is not active and should be.

System action:
TDMF migration for the volume is terminated.

Programmer response:
Check for ICKDSF jobs that may have reset the SPID fence while the TDMF session was active.

Detecting CSECT:
GTDCOPY

GTD2467E **The QHA data for device *device-number* is not valid.**

Explanation:
The SPIDFENCE and UNIDENT(T) parameters were specified. The QHA data used to verify connected host systems and SPID fence status is not usable.

System action:
TDMF migration for the volume is terminated.

Detecting CSECT:
GTDCOPY

GTD2468E **The SPID token for device *device-number* does not belong to TDMF.**

Explanation:
The SPIDFENCE and UNIDENT(T) parameters were specified. The SPID token for this device is not a valid TDMF token.

System action:
TDMF migration for the volume is terminated.

Programmer response:
Check for ICKDSF jobs that may have reset the SPID fence while the TDMF session was active.

Detecting CSECT:
GTDCOPY

GTD2469I **Target unit *device-number* has been put back into soft fence state during backout processing.**

Explanation:
The specified unit has been put into the soft fence state. It was soft fenced prior to the beginning of the migration and is now put back into that state during backout processing.

System action:
TDMF execution continues.

Detecting CSECT:
GTDBVOL

GTD2470I **Source unit *device-number* has been taken out of soft fence state during backout processing.**

Explanation:
The specified unit has been taken out of the soft fence state during backout processing. This is required to be able rewrite the original volume label to the source device.

System action:
TDMF execution continues.

Detecting CSECT:
GTDBVOL

GTD2471I **Target unit *device-number* has been put back into soft fence state (SCAN ONLY).**

Explanation:
The specified unit has been put into the soft fence state. The target unit was soft fenced prior to the beginning of this SCAN ONLY execution. In order to read the volume label the soft fence state was temporarily reset.

System action:
TDMF execution continues.

Detecting CSECT:
GTDCDDT

GTD2472I **Unit *device-number* has been put into soft fence state during swap processing.**

Explanation:
The specified unit has been put into the soft fence state. Either FENCESOURCE was specified or defaulted for this migration or APPROVAL(FENCETARGET) was specified for this disapproved migration.

System action:
TDMF execution continues.

Detecting CSECT:
GTDSVOL

GTD2473I **Target unit *device-number* has been taken out of soft fence state during backout processing.**

Explanation:
The specified unit has been taken out of the soft fence state during backout processing. This is required to be able rewrite the original volume label to the target device.

System action:
TDMF execution continues.

Detecting CSECT:
GTDBVOL

GTD2474I **Target unit *device-number* has been taken out of soft fence state during volume initialization.**

Explanation:
The specified unit has been taken out of the soft fence state because UNFENCETARGET was specified or defaulted for this migration.

System action:
TDMF execution continues.

Detecting CSECT:
GTDCDDT

GTD2475I **Source unit *device-number* has been taken out of soft fence state during synchronization.**

Explanation:
The specified unit has been taken out of the soft fence state during re-synchronizing modifications while the migration was waiting for approval.

System action:
TDMF execution continues.

Detecting CSECT:
GTDMVOL

GTD2511S **The GTDVOL program has detected an invalid number of active volumes.**

Explanation:
GTDVOL has detected an invalid number of active volumes. This message is issued if there are no active volumes but there is a volume that appears to be selectable.

System action:
TDMF execution is terminated.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDZVOL

GTD2512S **During volume processing, the read of the SYSCOM dataset failed, invalid parm.**

Explanation:
TDMF is attempting to read the communications dataset during volume processing and the I/O failed due to an invalid function or parameter.

System action:
TDMF execution is terminated.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDCVOL

GTD2513S **During volume processing, the read of the SYSCOM dataset failed, CCW build.**

Explanation:
TDMF is attempting to read the communications dataset during volume processing and the I/O failed due to an error in the CCW build routine.

System action:
TDMF execution is terminated.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDCVOL

GTD2514S **During volume processing, the read of the SYSCOM dataset failed, I/O error.**

Explanation:
TDMF is attempting to read the communications dataset during volume processing and the I/O failed due to an I/O error returned from GTDSIO.

System action:
TDMF execution is terminated.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDCVOL

GTD2515S **During volume processing, the read of the SYSCOM dataset failed, abend.**

Explanation:
TDMF is attempting to read the communications dataset during volume processing and the I/O failed due to an abend in GTDSIO.

System action:
TDMF execution is terminated.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDCVOL

GTD2516S **During volume processing, the update of the SYSCOM dataset failed, invalid parm.**

Explanation:
TDMF is trying to update the communications dataset during volume processing and the I/O failed due to an invalid function or parameter.

System action:
TDMF execution is terminated.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDUVOL

GTD2517S **During volume processing, the update of the SYSCOM dataset failed, CCW build.**

Explanation:
TDMF is trying to update the communications dataset during volume processing and the I/O failed due to an error in the CCW build routine.

System action:
TDMF execution is terminated.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDUVOL

GTD2518S **During volume processing, the update of the SYSCOM dataset failed, I/O error.**

Explanation:
TDMF is trying to update the communications dataset during volume processing and the update failed due to an I/O error returned from GTDSIO.

System action:
TDMF execution is terminated.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDUVOL

GTD2519S **During volume processing, the update of the SYSCOM dataset failed, abend.**

Explanation:
TDMF is trying to update the communications dataset during volume processing and the I/O failed due to an abend in GTDSIO.

System action:
TDMF execution is terminated.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDUVOL

GTD2520W **Quiesce delayed for volume *source-volser*. ICKDSF will not be invoked.**

Explanation:
TDMF has detected that the Master system is unable to quiesce the volume because of a persistent "device reserved" status. This situation might be the result of a RESERVE or ENQ macro that the Master system has issued, to acquire ownership of resources necessary for an ICKDSF REFVTOC function.

System action:
TDMF releases the resources that were held for the volume. ICKDSF will not be invoked after the volume is swapped. If this is a swap to a smaller target volume, or if the UNCONDITIONAL parameter was specified for the EXTVTOC option, the migration will be terminated with message GTD2806E.

Programmer response:
If the volume migration was terminated with message GTD2806E it can be restarted, or a new migration session could be submitted for the volume at a time when there was little or no allocation activity on the volume. If the volume migration was successful, except that the requested automatic ICKDSF volume REFORMAT function was not run, an ICKDSF job should be submitted to perform the required VTOC maintenance.

Detecting CSECT:
GTDQVOL

GTD2521W **Quiesce delayed for volume *source-volser* on Agent *system-id*. ICKDSF will not be invoked.**

Explanation:

TDMF has detected that an Agent system is unable to quiesce the volume because of a persistent "device reserved" status. This situation might be the result of a RESERVE or ENQ macro that the Master system has issued, to acquire ownership of resources necessary for an ICKDSF REFVTOC function.

System action:
TDMF releases the resources that were held for the volume. ICKDSF will not be invoked after the volume is swapped. If this is a swap to a smaller target volume, or if the UNCONDITIONAL parameter was specified for the EXTVTOC option, the migration will be terminated with message GTD2806E.

Programmer response:
If the volume migration was terminated with message GTD2806E it can be restarted, or a new migration session could be submitted for the volume at a time when there was little or no allocation activity on the volume. If the volume migration was successful, except that the requested automatic ICKDSF volume REFORMAT function was not run, an ICKDSF job should be submitted to perform the required VTOC maintenance.

Detecting CSECT:
GTDQVOL

GTD2522S During volume processing, the init of the SYSCOM dataset failed, invalid parm.

Explanation:
TDMF is attempting to read the communications dataset during volume processing and the I/O failed due to an invalid function or parameter.

System action:
TDMF execution is terminated.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDXVOL

GTD2523S During volume processing, the init of the SYSCOM dataset failed, CCW build.

Explanation:
TDMF is attempting to read the communications dataset during volume processing and the I/O failed due to an error in the CCW build routine.

System action:
TDMF execution is terminated.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDXVOL

GTD2524S During volume processing, the init of the SYSCOM dataset failed, I/O error.

Explanation:
TDMF is attempting to read the communications dataset during volume processing and the I/O failed due to an I/O error returned from GTDSIO.

System action:
TDMF execution is terminated.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDXVOL

GTD2525S During volume processing, the init of the SYSCOM dataset failed, abend.

Explanation:
TDMF is attempting to read the communications dataset during volume processing and the I/O failed due to an abend in GTDSIO.

System action:
TDMF execution is terminated.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDXVOL

GTD2536W An I/O error has occurred on a PAV operation to a source device.

Explanation:
TDMF has detected an I/O error while performing either an unbind or bind operation to an ESS DASD volume. The sense information returned will be displayed, if possible.

System action:
TDMF migration for the volume is terminated.

Programmer response:
Check SYSLOG and EREP for specifics. If a bind operation failed, issue the MVS command VARY *nnnn*,ONLINE,UNCOND or DEVSERV DIAG,*nnnn*,1,BINDPAVS when the session has terminated.

Detecting CSECT:
GTDIBM

GTD2537W An I/O error has occurred on a PAV operation to a target device.

Explanation:
TDMF has detected an I/O error while performing either an unbind or bind operation to an ESS DASD

volume. The sense information returned will be displayed, if possible.

System action:
TDMF migration for the volume is terminated.

Programmer response:
Check SYSLOG and EREP for specifics. If a bind operation failed, issue the MVS command VARY *nnnn*,ONLINE,UNCOND or DEVSERV DIAG,*nnnn*,1,BINDPAVS when the session has terminated.

Detecting CSECT:
GTDIBM

GTD2538W An I/O error has occurred on a PAV operation to a duplex device.

Explanation:
TDMF has detected an I/O error while performing either an unbind or bind operation to an ESS DASD volume. The sense information returned will be displayed, if possible.

System action:
TDMF migration for the volume is terminated.

Programmer response:
Check SYSLOG and EREP for specifics. If a bind operation failed, issue the MVS command VARY *nnnn*,ONLINE,UNCOND or DEVSERV DIAG,*nnnn*,1,BINDPAVS when the session has terminated.

Detecting CSECT:
GTDIBM

GTD2539I Migration Approval prompt was responded to via console *consoleid*.

Explanation:
The user has responded to an Approval Needed prompt.

System action:
Migration continues based on the user's response. See preceding GTD2543I or GTD2544W for details.

Detecting CSECT:
GTDVOL

GTD2540I A BIND request timed out on a source device.

Explanation:
A PAV bind I/O operation did not complete within the time interval set by TDMF. If this was a swap migration, and the swap completed properly, the failure occurred on the target volume now located on the source device. If this was not a successful swap or a point-in-time migration, the error occurred on the source volume located on the source device.

System action:
The bind request will be retried at session termination. Until then, Parallel Access Volume capability for the source device will remain disabled.

Programmer response:
To check the status of Parallel Access Volume support, after the session has terminated, issue any of the following MVS commands: DS QP,*xxxx*,VOLUME to list the status of the I/O device number or the MVS command VARY *nnnn*,ONLINE,UNCOND to vary the device online or the MVS command DEVSERV DIAG,*nnnn*,1,BINDPAVS to rebind the aliases.

Detecting CSECT:
GTDIBM

GTD2541I A BIND request timed out on a target device.

Explanation:
A PAV bind I/O operation did not complete within the time interval set by TDMF. If this was a swap migration, and the swap completed properly, the failure occurred on the source volume now located on the target device. If this was not a successful swap or a point-in-time migration, the error occurred on the target volume located on the target device.

System action:
The bind request will be retried at session termination. Until then, Parallel Access Volume capability for the target device will remain disabled.

Programmer response:
To check the status of Parallel Access Volume support, after the session has terminated, issue any of the following MVS commands: DS QP,*xxxx*,VOLUME to list the status of the I/O device number or the MVS command VARY *nnnn*,ONLINE,UNCOND to vary the device online or the MVS command DEVSERV DIAG,*nnnn*,1,BINDPAVS to rebind the aliases.

Detecting CSECT:
GTDIBM

GTD2542I A BIND request timed out on a duplex device.

Explanation:
A PAV bind I/O operation did not complete within the time interval set by TDMF.

System action:
The bind request will be retried at session termination. Until then, Parallel Access Volume capability for the target device will remain disabled.

Programmer response:
To check the status of Parallel Access Volume support, after the session has terminated, issue any of the following MVS commands: DS QP,*xxxx*,VOLUME to list the status of the I/O device number or the MVS

command VARY *nnnn*,ONLINE,UNCOND to vary the device online or the MVS command DEVSERV DIAG,*nnnn*,1,BINDPAVS to rebind the aliases.

Detecting CSECT:
GTDIBM

GTD2543I **The current migration session has been approved.**

Explanation:
The user responded "YES" to an "Approval Needed" prompt.

System action:
The migration session will end with the target disk configuration active.

Detecting CSECT:
GTDVOL

GTD2544W **The current migration session has been disapproved.**

Explanation:
The user responded "NO" to an "Approval Needed" prompt.

System action:
The migration session will end with the original disk configuration active. Changes to the target volumes that occurred during the migration session will be propagated to the original source volumes prior to terminating the session.

Detecting CSECT:
GTDVOL

GTD2545I **Volume *volser* has been resumed in Approval Mode.**

Explanation:
The volume has been swapped and relabeled. I/O to the volume has been resumed.

System action:
I/O to the volume is being monitored in preparation for possible disapproval of the migration session.

Detecting CSECT:
GTDRVOL

GTD2546I **A Suspend command has been received for volume *volser* in Approval Mode.**

Explanation:
I/O activity to the volume has been suspended automatically due to an Approval Mode migration.

Detecting CSECT:
GTDRTNM

GTD2547I **A Suspend command has been completed for volume *volser* in Approval Mode.**

Explanation:
I/O activity to the volume has been suspended during Approval Mode. The internal actions by TDMF have completed the suspension of I/O to this volume.

Detecting CSECT:
GTDRTNM

GTD2548I **A Continue command has been received for volume *volser* in Approval Mode.**

Explanation:
A Continue command to remove this volume from a suspended state caused by the Suspend Command was entered automatically during a disapproved Approval Mode migration.

Detecting CSECT:
GTDRTNM

GTD2549I **A Continue command has been completed for volume *volser* in Approval Mode.**

Explanation:
A Continue command to remove this volume from a suspended state has completed.

System action:
Command has been completed and I/O to the volume continues.

Detecting CSECT:
GTDRTNM

GTD2550E **TDMF Migration approval is needed. Reply "YES" or "NO".**

Explanation:
TDMF is running in approval mode and all volumes have successfully migrated. Approval of the migration session is required. Reply YES to approve the session and end TDMF. Or, reply NO to disapprove the session and migrate back to the original source volumes.

System action:
TDMF continues to monitor I/O to all migrating devices while waiting for a response.

Detecting CSECT:
GTDVOL

GTD2551E **Logical Path data extraction error for target volume. Return code: *return-code*, reason code: *reason-code*. SCU is *scu-serial*.**

Explanation:
TDMF failed to read logical path or QHA data for the target device. The probable cause is an I/O error (return code 12, reason code 4).

System action:
TDMF terminates this volume migration.

User response:
The migration can be resubmitted with the SESSION control statement option: OPT(IGNORESCUS(*scu-serial*)), but this will bypass unidentified systems checking for volumes on this storage controller.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDXVOL

GTD2552W **Logical Path data extraction error for target volume. Return code: *return-code*, reason code: *reason-code*. SCU is *scu-serial*.**

Explanation:
TDMF failed to read logical path or QHA data for the target device. The probable cause is an I/O error (return code 12, reason code 4).

System action:
TDMF continues to check the remaining volumes.

User response:
The migration can be resubmitted with the SESSION control statement option: OPT(IGNORESCUS(*scu-serial*)), but this will bypass unidentified systems checking for volumes on this storage controller.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDXVOL

GTD2560I **Sense for volume *volser* on *device-number*: *sense-bytes*.**

Explanation:
Sense byte display for various error messages.

System action:
TDMF continues as specified for the preceding message.

User response:
See the preceding displayed message for action to be taken.

Detecting CSECT:
GTDCMSG, GTDVPST

GTD2561W **Incomplete logical path data for volume *volser* on *device-number*.**

Explanation:
A request for logical path data has returned ambiguous results preventing complete analysis of unidentified systems.

System action:
TDMF continues as specified for UNIDENT parameter.

Detecting CSECT:
GTDCMSG, GTDIVOL

GTD2579A **Allow mirror change on swap requested. Reply CANCEL or volume *volser*.**

Explanation
Confirmation is required for the migration of a PPRC or SRDF primary volume to a device that does not appear to have the same type mirroring function.

Please refer to the sections of the product's Installation and Reference manual entitled "EMC SRDF" and "PPRC" for the valid combinations of the source and target volumes supported by TDMF, and the explanation of the "Allow mirror change" option and its necessity.

Detecting CSECT:
GTDNVOL

GTD2580I **Change in mirroring type for a swap migration confirmation received from console *consoleid*.**

Explanation:
This volume migration confirmation was received from the console indicated.

System action:
Migration of this volume continues.

Detecting CSECT:
GTDNVOL

GTD2581E **Migration of a volume failed due to a failure upon a local System Data Mover LPAR.**

Explanation:
For a volume with the "XRCVolume" option specified, TDMF was unable to delete the existing XRC volume pair prior to the volume swap. The local SDM LPAR should have received GTD3800E indicating a failure of the XDELPAIR request.

System action:
The volume migration is terminated.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDSVOL

GTD2582W **Migration of a volume received a warning due to a failure upon a local System Data Mover LPAR.**

Explanation:
For a volume with the "XRCVolume" option specified, TDMF was unable to add the target volume to an existing XRC session after the volume swap. After the volume swap, the local SDM LPAR should have

received GTD3801E indicating a failure of the XADDPAIR request.

System action:
The volume migration continues to the resume phase.

User response:
Attempt to reestablish the XRC session for the volume by issuing the XADDPAIR TSO command.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDVOL

GTD2583E **The original System Data Mover XADDPAIR on this local SDM LPAR must be restarted.**

Explanation

For a volume with the "XRCVolume" option specified, TDMF was able to delete the XRC PAIR to an existing XRC session prior to the volume swap. After the volume swap, the master system requested that any system that had performed the swap, to backout the swap.

As TDMF was able to backout the migration and resume I/O operations, it was NOT able restart the XRC session for this volume. The customer is responsible for issuing the TSO XADDPAIR command to restart the XRC session. The TSO XADD command should be specified with a full COPY operand.

System action:
The volume migration continues to the resume phase.

User response:
Attempt to reestablish the XRC session for the volume by issuing the XADDPAIR TSO command.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDBVOL

GTD2584E **The original System Data Mover XADDPAIR on this remote SDM LPAR must be restarted.**

Explanation

For a volume with the "XRCVolume" option specified, TDMF was able to delete the XRC PAIR to an existing XRC session prior to the volume swap. After the volume swap, the master system requested that any system that had performed the swap, to backout the swap.

As TDMF was able to backout the migration and resume I/O operations, it was NOT able restart the XRC session for this volume. The customer is responsible for issuing the TSO XADDPAIR command to restart the XRC session. The TSO XADD command should be specified with a full COPY operand.

System action:
The volume migration continues to the resume phase.

User response:
Attempt to reestablish the XRC session for the volume by issuing the XADDPAIR TSO command.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDBVOL

GTD2585W **Migration of a volume received a warning due to a failure upon a remote System Data Mover LPAR.**

Explanation

For a volume with the "XRCVolume" option specified, TDMF was unable to add the target volume to an existing XRC session after the volume swap. After the volume swap, the remote SDM LPAR should have received GTD3801E indicating a failure of the XADDPAIR request.

As TDMF was unable to dynamically issue the XADDPAIR command, the customer is responsible for issuing the TSO XADDPAIR command to restart the XRC session, after resolving the problem that prevented the TSO XADDPAIR. The TSO XADD command should be specified with a full COPY operand.

System action:
The volume migration continues to the resume phase.

User response:
Attempt to reestablish the XRC session for the volume by issuing the XADDPAIR TSO command.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDRVOL

GTD2586W **Migration of a volume received a warning due to a failure upon a remote System Data Mover LPAR.**

Explanation

For a volume with the "XRCVolume" option specified, TDMF was unable to add the target volume to an existing XRC session after the volume swap. After the volume swap, the remote SDM LPAR will also receive GTD3801E indicating a failure of the XADDPAIR request.

As TDMF was unable to dynamically issue the XADDPAIR command, the customer is responsible for issuing the TSO XADDPAIR command to restart the XRC session, after resolving the problem that prevented the TSO XADDPAIR. The TSO XADD command should be specified with a full COPY operand.

System action:
The volume migration continues to the resume phase.

User response:
Attempt to reestablish the XRC session for the volume by issuing the XADDPAIR TSO command.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDCVOL

GTD2587S **Remote replication of more than 512 volumes is not supported.**

Explanation:
The maximum number of volumes which can be replicated to a remote system is 512.

System action:
The volume replication session terminates.

User response:
Reduce the number of volumes to be replicated in this session.

Detecting CSECT:
GTDXSL1

GTD2596I **The jobname or userid associated with this I/O operation is *jobname*.**

Explanation:
This message follows message number GTD2297I, GTD2362I or GTD2363I. The jobname in this message is that for which the invalid I/O operation described by the previous message was performed.

Detecting CSECT:
GTDRTNV

GTD2597E **A page or swap dataset has become active on this volume.**

Explanation:
The UCBPGFL flag has been set on the source device, presumably as a result of a PAGEADD operator command.

System action:
Migration of the volume is terminated.

Detecting CSECT:
GTDQVOL

GTD2641E **Source volume now online (device *device-number*).**

Explanation:
At activation time, this source device was offline to this system. During the course of the migration the device has been varied online.

System action:
TDMF terminates this volume migration.

User response:
Vary the device offline again and attempt to restart the migration.

Detecting CSECT:
GTDSVOL

GTD2642E **Target volume now online (device *device-number*).**

Explanation:
At activation time, this target volume was offline to this system. During the course of the migration the device has been varied online.

System action:
TDMF terminates this volume migration.

User response:
Vary the device offline again and attempt to restart the migration.

Detecting CSECT:
GTDSVOL

GTD2643I **Swap of offline devices is bypassed.**

Explanation:
At activation time, this source and target volumes were offline to this system. therefore the swap operation is bypassed.

System action:
TDMF continues this volume migration.

Detecting CSECT:
GTDSVOL

GTD2648W **Common storage (HVCOMMON) shortage detected.**

Explanation

The number of concurrently active I/O operations to Parallel Access Volume (PAV) alias devices has exceeded the number of DDTE/SCCW control blocks that were allocated at volume activation. When this situation occurs, the I/O Monitor allocates SQA storage to build an emergency DDTE/SCCW and signals the TDMF session to acquire and page fix some additional HVCOMMON storage.

This message is issued when there is insufficient available common area virtual storage to build the required control blocks, so that the emergency SQA storage can be released.

System action:
The session continues, using the emergency DDTE/SCCW blocks that the I/O Monitor continues to acquire. TDMF will not honor the "Allow PAV" option specification at volume activation once this situation has occurred in a session. As volume migrations complete, HVCOMMON storage will be released and the mechanism to free the SQA virtual storage used for emergency DDTE/SCCWs will become operational again.

User response:
Reduce the number of concurrently active migrating volumes or restrict usage of the "Allow PAV" option specification.

Programmer response:
Increase the size of the HVCOMMON area, if possible.

Detecting CSECT:
GTDVOL

GTD2649W Insufficient common storage for 'Allow PAV' option.

Explanation:
The system attempted to acquire HVCOMMON storage to allow customer I/O operations on Parallel Access Volume (PAV) alias devices to be monitored. There was insufficient available common area virtual storage to build the required control blocks for the I/O Monitor.

System action:
Migration of this volume continues, but PAV will not be active. The PAV option will be ignored when the remaining volumes in the session are activated.

Programmer response:
Increase the size of the HVCOMMON area, if possible, reduce the number of concurrently active migrating volumes or remove the PAV option specification.

Detecting CSECT:
GTDIBM

GTD2650E A source volume unbind request failed, ERC (*erc*), ERA (*era*).

Explanation:
The system attempted to unbind the source volume via the IBM API. The error return code and error reason codes are displayed.

System action:
Migration of this volume is terminated.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDQVOL, GTDRTNV

GTD2651E A target volume unbind request failed, ERC (*erc*), ERA (*era*).

Explanation:
The system attempted to unbind the target volume via the IBM API. The error return code and error reason codes are displayed.

System action:
Migration of this volume is terminated.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDRTNV

GTD2652E A source volume unbind request failed due to an invalid parameter.

Explanation:
The system attempted to unbind the source volume via the IBM API. The passed parameter was determined to be invalid.

System action:
Migration of this volume is terminated.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDQVOL, GTDRTNV

GTD2653E A target volume unbind request failed due to an invalid parameter.

Explanation:
The system attempted to unbind the target volume via the IBM API. The passed parameter was determined to be invalid.

System action:
Migration of this volume is terminated.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDRTNV

GTD2654W A source volume bind request failed, ERC (*erc*), ERA (*era*).

Explanation:
The system attempted to bind the source volume via the IBM API. The error return code and error reason codes are displayed.

System action:
Migration of this volume continues.

Programmer response:
Issue the MVS command VARY *nnnn*,ONLINE,UNCOND or DEVSERV DIAG,*nnnn*,1,BINDPAVS when the session has terminated.

Detecting CSECT:
GTDAVOL, GTDRVOL

GTD2655W **A target volume bind request failed, ERC (*erc*), ERA (*era*).**

Explanation:
The system attempted to bind the target volume via the IBM API. The error return code and error reason codes are displayed.

System action:
Migration of this volume continues.

Programmer response:
Issue the MVS command VARY *nnnn*,ONLINE,UNCOND or DEVSERV DIAG,*nnnn*,1,BINDPAVS when the session has terminated.

Detecting CSECT:
GTDRVOL

GTD2656W **A source volume bind request failed due to an invalid parameter.**

Explanation:
The system attempted to bind the source volume via the IBM API. The passed parameter was determined to be invalid.

System action:
Migration of this volume continues.

Programmer response:
Issue the MVS command VARY *nnnn*,ONLINE,UNCOND or DEVSERV DIAG,*nnnn*,1,BINDPAVS when the session has terminated.

Detecting CSECT:
GTDAVOL, GTDRVOL

GTD2657W **A target volume bind request failed due to an invalid parameter.**

Explanation:
The system attempted to bind the target volume via the IBM API. The passed parameter was determined to be invalid.

System action:
Migration of this volume continues.

Programmer response:
Issue the MVS command VARY *nnnn*,ONLINE,UNCOND or DEVSERV DIAG,*nnnn*,1,BINDPAVS when the session has terminated.

Detecting CSECT:
GTDRVOL

GTD2658W **A source volume bind request failed, ERC (*erc*), ERA (*era*).**

Explanation:
The system attempted to bind the source volume via the IBM API. The error return code and error reason codes are displayed.

System action:
Migration of this volume continues.

Programmer response:
Issue the MVS command VARY *nnnn*,ONLINE,UNCOND or DEVSERV DIAG,*nnnn*,1,BINDPAVS when the session has terminated.

Detecting CSECT:
GTDTVOL

GTD2659W **A target volume bind request failed, ERC (*erc*), ERA (*era*).**

Explanation:
The system attempted to bind the target volume via the IBM API. The error return code and error reason codes are displayed.

System action:
Migration of this volume continues.

Programmer response:
Issue the MVS command VARY *nnnn*,ONLINE,UNCOND or DEVSERV DIAG,*nnnn*,1,BINDPAVS when the session has terminated.

Detecting CSECT:
GTDTVOL

GTD2660W **A source volume bind request failed due to an invalid parameter.**

Explanation:
The system attempted to bind the source volume via the IBM API. The passed parameter was determined to be invalid.

System action:
Migration of this volume continues.

Programmer response:
Issue the MVS command VARY *nnnn*,ONLINE,UNCOND or DEVSERV DIAG,*nnnn*,1,BINDPAVS when the session has terminated.

Detecting CSECT:
GTDTVOL

GTD2661W **A target volume bind request failed due to an invalid parameter.**

Explanation:
The system attempted to bind the target volume via the IBM API. The passed parameter was determined to be invalid.

System action:
Migration of this volume continues.

Programmer response:
Issue the MVS command VARY *nnnn*,ONLINE,UNCOND

Detecting CSECT:
GTDTVOL

GTD2662W **A source volume bind request failed, ERC (*erc*), ERA (*era*).**

Explanation:
The system attempted to bind the source volume via the IBM API. The error return code and error reason codes are displayed.

System action:
Migration of this volume continues.

Programmer response:
Issue the MVS command VARY *nnnn*,ONLINE,UNCOND or DEVSERV DIAG,*nnnn*,1,BINDPAVS when the session has terminated.

Detecting CSECT:
GTDTERM

GTD2663W **A target volume bind request failed, ERC (*erc*), ERA (*era*).**

Explanation:
The system attempted to bind the target volume via the IBM API. The error return code and error reason codes are displayed.

System action:
Migration of this volume continues.

Programmer response:
Issue the MVS command VARY *nnnn*,ONLINE,UNCOND or DEVSERV DIAG,*nnnn*,1,BINDPAVS when the session has terminated.

Detecting CSECT:
GTDTERM

GTD2664W **A source volume bind request failed due to an invalid parameter.**

Explanation:
The system attempted to bind the source volume via the IBM API. The passed parameter was determined to be invalid.

System action:
Migration of this volume continues.

Programmer response:
Issue the MVS command VARY *nnnn*,ONLINE,UNCOND or DEVSERV DIAG,*nnnn*,1,BINDPAVS when the session has terminated.

Detecting CSECT:
GTDTERM

GTD2665W **A target volume bind request failed due to a passed parameter that was invalid.**

Explanation:
The system attempted to bind the target volume via the IBM API. The passed parameter was determined to be invalid.

System action:
Migration of this volume continues.

Programmer response:
Issue the MVS command VARY *nnnn*,ONLINE,UNCOND or DEVSERV DIAG,*nnnn*,1,BINDPAVS when the session has terminated.

Detecting CSECT:
GTDTERM

GTD2666E **Volume source-volser in group *groupid* has been terminated.**

Explanation:
During a TDMF migration a volume has been prematurely terminated due to an error. The group has TermGrp off, and AutoOps is on.

System action:
This volume is terminated, others continue normally.

Detecting CSECT:
GTDRTNV

GTD2667W **Parallel Access Volume capabilities will be disabled if the swap migration completes.**

Explanation
The customer is migrating a source volume from a DASD device that contains PAV capabilities to a DASD device that does not contain PAV capabilities. PAV capabilities in the context of this message means that either the source volume is a PAV base volume or that the volume is located on a control unit that supports advanced 2105 CCW capabilities.

This warning indication can be suppressed by using the NOWARNING(2667) option on the SESSION control statement.

System action:
Migration of this volume continues.

Programmer response:
Generate the Hardware Configuration (HCD) with the target device with PAV capabilities (3380B or 3390B).

Detecting CSECT:
GTDRTNV

GTD2668W **Parallel Access Volume capabilities will be disabled if the swap migration completes until the next IPL.**

Explanation
The customer is migrating a source volume from a DASD device that does not have PAV capabilities to a DASD device that does contain PAV capabilities, but those capabilities will not be usable until the next IPL. PAV capabilities in the context of this message means that either the target volume is a PAV base volume or

that the volume is located on a control unit that supports advanced 2105 CCW capabilities.

This warning indication can be suppressed by using the NOWARNING(2668) option on the SESSION control statement.

System action:
Migration of this volume continues.

Programmer response:
Generate the Hardware Configuration (HCD) with the source device with PAV capabilities (3380B or 3390B).

Detecting CSECT:
GTDRTNV

GTD2669E **A duplex target volume unbind request failed, ERC (*erc*), ERA (*era*).**

Explanation:
The system attempted to unbind the target volume via the IBM API. The error return code and error reason codes are displayed.

System action:
Migration of this volume is terminated.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDRTNV

GTD2670E **A duplex target volume unbind request failed due to an invalid parameter.**

Explanation:
The system attempted to unbind the duplex target volume via the IBM API. The passed parameter was determined to be invalid.

System action:
Migration of this volume is terminated.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDRTNV

GTD2671I **The PAV option is ignored on a remote SDM LPAR.**

Explanation:
The user has requested the PAV option but that option is not applicable to a remote System Data Mover LPAR.

System action:
Migration of this volume continues.

Detecting CSECT:
GTDAVOL

GTD2677I **OVA volume source-volser now unavailable by request from console *consoleid*.**

Explanation:
The user has requested via the monitor interface that no further registration requests by Offline Volume Access (OVA) jobs will be allowed for the volume.

System action:
An attempt to register an OVA job to this volume after this message has been issued will fail. As soon as the currently active OVA jobs for the volume have deregistered, volume termination will occur.

Detecting CSECT:
GTDKVOL

GTD2680W **I/O Timeout occurred while accessing the Communications Dataset.**

Explanation

This message is issued only once per TDMF Master or Agent job, on the first occasion that access to the Communications Dataset was not completed within the preset I/O time limit.

The TDMF I/O time limit is usually one and a half times the Missing Interrupt Handler (MIH) interval for the device. See the *IBM Transparent Data Migration Facility for z/OS Reference Guide* for more information.

System action:
Processing continues.

Detecting CSECT:
GTDICOM

GTD2681W **Channel Extender Equipment Check occurred accessing The Communications Dataset.**

Explanation:
This message is issued only once per TDMF Master or Agent job. The Communications Dataset could not be updated because of an error detected by channel extender hardware.

System action:
Processing continues. This job will attempt to update the Communications Dataset after expiration of the next volume interval.

Detecting CSECT:
GTDICOM

GTD2682W **A duplex volume bind request failed, ERC (*erc*), ERA (*era*).**

Explanation:

The system attempted to bind the duplex volume via the IBM API. The error return code and error reason codes are displayed.

System action:
Migration of this volume continues.

Programmer response:
Issue the MVS command VARY *nnnn*,ONLINE,UNCOND or DEVSERV DIAG,*nnnn*,1,BINDPAVS when the session has terminated.

Detecting CSECT:
GTDRVOL

GTD2683W A duplex volume bind request failed due to a passed parameter that was invalid.

Explanation:
The system attempted to bind the duplex volume via the IBM API. The passed parameter was determined to be invalid.

System action:
Migration of this volume continues.

Programmer response:
Issue the MVS command VARY *nnnn*,ONLINE,UNCOND or DEVSERV DIAG,*nnnn*,1,BINDPAVS when the session has terminated.

Detecting CSECT:
GTDRVOL

GTD2684W A duplex volume bind request failed, ERC (*erc*), ERA (*era*).

Explanation:
The system attempted to bind the duplex volume via the IBM API. The error return code and error reason codes are displayed.

System action:
Migration of this volume continues.

Programmer response:
Issue the MVS command VARY *nnnn*,ONLINE,UNCOND or DEVSERV DIAG,*nnnn*,1,BINDPAVS when the session has terminated.

Detecting CSECT:
GTDTVOL

GTD2685W A duplex volume bind request failed due to a passed parameter that was invalid.

Explanation:
The system attempted to bind the duplex volume via the IBM API. The passed parameter was determined to be invalid.

System action:
Migration of this volume continues.

Programmer response:
Issue the MVS command VARY *nnnn*,ONLINE,UNCOND or DEVSERV DIAG,*nnnn*,1,BINDPAVS when the session has terminated.

Detecting CSECT:
GTDTVOL

GTD2686W A duplex volume bind request failed, ERC (*erc*), ERA (*era*).

Explanation:
The system attempted to bind the duplex volume via the IBM API. The error return code and error reason codes are displayed.

System action:
Migration of this volume continues.

Programmer response:
Issue the MVS command VARY *nnnn*,ONLINE,UNCOND or DEVSERV DIAG,*nnnn*,1,BINDPAVS when the session has terminated.

Detecting CSECT:
GTDTERM

GTD2687W A duplex volume bind request failed due to a passed parameter that was invalid.

Explanation:
The system attempted to bind the duplex volume via the IBM API. The passed parameter was determined to be invalid.

System action:
Migration of this volume continues.

Programmer response:
Issue the MVS command VARY *nnnn*,ONLINE,UNCOND or DEVSERV DIAG,*nnnn*,1,BINDPAVS when the session has terminated.

Detecting CSECT:
GTDTERM

GTD2688W A source volume bind request failed: volume is active.

Explanation:
The system did not attempt to bind the source volume at session termination, because the volume appears to have been activated in another TDMF migration session.

System action:
Session termination continues.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDTERM

GTD2689W **A target volume bind request failed: volume is active.**

Explanation:
The system did not attempt to bind the target volume at session termination, because the volume appears to have been activated in another TDMF migration session.

System action:
Session termination continues.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDTERM

GTD2690W **A duplex volume bind request failed: volume is active.**

Explanation:
The system did not attempt to bind the duplex volume at session termination, because the volume appears to have been activated in another TDMF migration session.

System action:
Session termination continues.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDTERM

GTD2691E **FlashCopy feature dynamically re-enabled on the source device.**

Explanation:
While a volume migration was in progress, it has been detected that the FlashCopy feature that had been turned off prior to the start of the migration, has apparently been dynamically re-enabled. Since TDMF does NOT currently support the FlashCopy feature, it is possible that a data integrity exposure could exist on the target volume.

System action:
Volume migration is terminated.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDQVOL

GTD2692E **FlashCopy feature dynamically re-enabled on the target device.**

Explanation:
While a volume migration was in progress, it has been detected that the FlashCopy feature that had been turned off prior to the start of the migration, has apparently been dynamically re-enabled. Since TDMF does NOT currently support the FlashCopy feature, it is possible that a data integrity exposure could exist on the target volume.

System action:
Volume migration is terminated.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDQVOL

GTD2693E **Volume quiesce processing failed because the FlashCopy feature dynamically re-enabled on the duplex device.**

Explanation:
Prior to performing the quiesce process, it has been detected that the FlashCopy feature that had been turned off prior to the start of the migration, has apparently been dynamically re-enabled. Since TDMF does NOT currently support the FlashCopy feature, it is possible that a data integrity exposure could exist on the duplex volume.

System action:
Volume migration is terminated.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDQVOL

GTD2695I **An Offline Volume Access (OVA) job has become active.**

Explanation:
The TDMF system has detected that a job on a Master or Agent system is now active using this volume and the Offline Volume Access facility.

System action:
TDMF volume migration continues.

Detecting CSECT:
GTDKVOL

GTD2696I **Offline Volume Access (OVA) is now inactive.**

Explanation:
The TDMF system has detected that no job on a Master or Agent system is now actively using the Offline Volume Access facility to access this volume.

System action

TDMF volume migration continues.

TDMF will wait for 15 minutes for another OVA registration.

Detecting CSECT:

GTDKVOL

GTD2697I Offline Volume Access facility (OVA) is waiting for an OVA job.

Explanation:
The TDMF system has completed the Point-In-Time migration for a volume with the OVA option. The Offline Volume Access facility is ready for use on this volume and OVA registrations will be accepted.

System action:
TDMF will wait for the OVA registration interval, if any, and then an additional 15 minutes for an OVA registration on a Master or Agent system. Once an OVA job becomes active, message GTD2695I will be issued on the Master system.

Detecting CSECT:
GTDKVOL

GTD2698I Offline Volume Access facility (OVA) has completed all OVA functions.

Explanation:
The user requested OVA termination for the volume, or the registration timeout interval has elapsed, and no active OVA jobs are using this volume on a Master or Agent system.

System action:
TDMF volume migration continues.

Detecting CSECT:
GTDKVOL

GTD2699I The Perpetual Point-In-Time function is now active.

Explanation:
A volume migration is ready, subject to the Offline Volume Access (OVA) status of other volumes in the migration group, to start a new refresh cycle, prior to synchronization of a Point-In-Time copy. For a non-OVA volume this message is issued at completion of each Point-In-Time copy, while, for an OVA volume, the message is issued when it becomes idle and unavailable for OVA registration (following message GTD2698I).

System action:
TDMF volume migration continues.

Problem determination

For a single volume, message GTD2710A is issued, in response to which the user can terminate the migration or request that refreshing of the target volume should recommence.

This message must have been written for all volumes in a group before message GTD2711A is issued to allow termination or establishment of a new Point-In-Time copy of the group.

Detecting CSECT:
GTDASPP, GTDKVOL, GTDMVOL

GTD2700I Successfully scheduled termination for counter OVA jobs.

Explanation:
The TDMF system is terminating while there are active Offline Volume Access (OVA) jobs registered to this volume. CALLRTM has been issued to force abnormal termination of the OVA jobs.

System action:
TDMF termination continues.

Detecting CSECT:
GTDKVOL, GTDRTNV

GTD2701I CALLRTM macro unsuccessful for counter OVA jobs. Return code: *return-code*.

Explanation:
The TDMF system is terminating abnormally while there are active Offline Volume Access (OVA) jobs registered to this volume. CALLRTM was issued to force abnormal termination of each OVA job, but the return code indicates that the abnormal termination was not successfully scheduled.

System action:
TDMF termination continues.

Detecting CSECT:
GTDKVOL

GTD2710A Recycle confirmation requested, reply CANCEL, or volume *volser*.

Explanation:
A successful Point-In-Time migration was performed for the volume and the target volume has been set offline. The Perpetual Point-In-Time option was specified for the volume, which means that further Point-In-Time copies may be made using the original target volume.

Operator response

To begin a cycle of volume refreshes, prior to synchronizing another Point-In-Time copy, reply with the volume serial number contained in the message.

Reply CANCEL if no further copy of this volume is required.

Detecting CSECT:
GTDASPP

GTD2711A Recycle confirmation requested, reply CANCEL, or group *groupid*.

Explanation:

A successful Point-In-Time migration was performed for the group and the target volumes have been set offline. The Perpetual Point-In-Time option was specified for the group, which means that further Point-In-Time copies may be made using the original target volumes.

Operator response

To begin a cycle of volume refreshes, prior to synchronizing another Point-In-Time copy, reply with the group name contained in the message.

Reply CANCEL if no further copy of the volumes in this group is required.

Detecting CSECT:
GTDASPP

GTD2712I **Perpetual Point-in-Time migration cycle for volume *source-volser* is terminated by request from console *consoleid*.**

Explanation:
No further PIT copies will be synchronized for this volume as the operator replied "CANCEL" to message GTD2710A, or supplied the PPIT "End" command via the TDMF TSO Monitor.

Detecting CSECT:
GTDASPP

GTD2713I **New PPIT Recycle requested for volume *source-volser* by console *consoleid*.**

Explanation:
A Perpetual Point-In-Time migration is active for the volume. The operator has requested that TDMF begin the process of creating another PIT copy on the target volume.

Problem determination:
This operator request was received by TDMF, either as a reply to message GTD2710A with the volume serial, or via the TDMF TSO Monitor.

Detecting CSECT:
GTDASPP

GTD2714I **Perpetual Point-in-Time migration cycle for group *groupid* is terminated by request from console *consoleid*.**

Explanation:
No further PIT copies will be synchronized for this volume as the operator replied "CANCEL" to message GTD2711A, or requested the PPIT "End" function for the group via the TDMF TSO Monitor.

Detecting CSECT:
GTDASPP

GTD2715I **New PPIT Recycle requested for group *groupid* by console *consoleid*.**

Explanation:
A Perpetual Point-In-Time migration is active for the volumes in this group.

Problem determination

The operator requested that TDMF begin the process of creating updated PIT copies on the target volumes.

This request was received by TDMF as a reply to message GTD2711A with the group name, or via the TDMF TSO Monitor.

Detecting CSECT:
GTDASPP

GTD2720I **Synchronization delayed.**

Explanation:
The user responded to a volume or group synchronization prompt, but TDMF has determined that the synchronization goal can no longer be met.

System action:
TDMF will not begin synchronization for this volume or group until the synchronization time, as estimated by TDMF, falls below the synchronization goal.

User response:
Verify that the volume is not suspended or that the volume group contains no suspended volumes. Raising the synchronization goal, using the TDMF TSO Monitor, might reduce the length of this delay - at the expense of a longer interval during which the volume is quiesced.

Detecting CSECT:
GTDASPP

GTD2722I **Volume termination requested by "SCAN ONLY".**

Explanation:
The user specified that no volume migrations should be performed in this TDMF session. This migration volume has successfully been activated on all the participating systems and will be terminated without starting the copy function.

Detecting CSECT:
GTDAVOL, GTDXSR1

GTD2729E **Unsuitable REMOTE volume specified: target-volser.**

Explanation:
The remote target volume requested by the LOCAL session is not suitable for use as a target for this migration. Either it has the wrong device type, or less cylinders than the source volume.

Detecting CSECT:
GTDXSR1

GTD2780W Unexpected reconnection request from LOCAL system.

Explanation:
This REMOTE TDMF session has received a request to reconnect a volume migration. The volume status at this end of the communications link is that the migration is still in progress.

System action

The current TCP/IP read or write request will be canceled, and the REMOTE server task will wait for up to 30 seconds for the volume's copy task to become ready to accept the reconnection.

Message GTD2781E will be issued if the volume copy task has not successfully terminated the previous migration session within the 30 second timeout interval, and the volume migration will be terminated.

Detecting CSECT:
GTDXSR1

GTD2781I Terminating volume after reconnect failed.

Explanation

This REMOTE TDMF session has received a request to reconnect a volume migration. The volume status at this end of the communications link is that the migration is still in progress.

TDMF has attempted to break into the volume's communication session to trigger the "reconnection required" status, but the volume's copy task did not respond.

System action:
The volume will be terminated.

Programmer response:
If unable to determine the cause of the error, contact technical support for assistance.

Detecting CSECT:
GTDXSR1

GTD2790I Incompatible REMOTE session IP design level.

Explanation:
This LOCAL TDMF session is attempting to connect to a REMOTE session, but the acknowledgment received from this connected system specifies a design level for the REMOTE TCP/IP session that is not compatible with this TDMF LOCAL session.

System action:
The LOCAL session terminates.

Programmer response

Terminate the REMOTE TDMF session. Install the latest TDMF PTF level at both locations and resubmit all the LOCAL and REMOTE jobs.

If unable to determine the cause of the error contact technical support for assistance.

Detecting CSECT:
GTDXSL1

GTD2800I Error encountered formatting WTO/WTOR text.

Explanation:
The TDMF system is attempting to write an operator message, but the formatting routine could not assemble and return the required message text.

System action:
The operator message is not displayed. If the volume migration has not already completed it is terminated with error status.

Programmer response:
Contact technical support for assistance.

Problem determination:
Probable programming error.

Detecting CSECT:
GTDRTNV

GTD2801S Communications Dataset serialization failure.

Explanation:
The TDMF system has detected that the most recent update to the Communications Dataset from this system has been overwritten.

System action:
TDMF attempts to terminate any ongoing migrations and shut the session down. Without a reliable communication mechanism, successful TDMF termination might not be achieved.

Programmer response:
Contact technical support for assistance.

Problem determination:
Possible causes are the failure of the DASD reserve mechanism or TDMF programming error.

Detecting CSECT:
GTDCVOL

GTD2802I Volume activity is being resumed for volume *source-volser*.

Explanation:
This Point-In-Time volume migration has completed synchronization and user I/O requests will be allowed to proceed.

System action:

If neither the Perpetual Point-In-Time (PPIT) nor the Offline Volume Access (OVA) option was specified, termination will be started for the volume.

Detecting CSECT:
GTDRVOL

GTD2803I Volume activity is being resumed for group *groupid*.

Explanation:
This group Point-In-Time migration has completed synchronization and user I/O requests will be allowed to proceed on the volumes in the group.

System action:
If the Perpetual Point-In-Time option was not specified for the group, termination will be started for the group's non-OVA (Offline Volume Access) volumes.

Detecting CSECT:
GTDRVOL

GTD2804I The ICKDSF program is being invoked to rebuild the VTOC and index for a volume.

Explanation:
The volume has been reserved and ICKDSF will be invoked to perform the "REFORMAT REFVTOC/EXTVTOC" function.

System action:
TDMF will signal the Agent system(s) to resume the volume.

Detecting CSECT:
GTDRVOL

GTD2805W Requested ICKDSF processing will not be performed.

Explanation:
TDMF was unable to reserve the volume in order to invoke ICKDSF to perform the "REFORMAT REFVTOC/EXTVTOC" function, or the automatic ICKDSF option was rejected for the volume for some other reason.

System action:
TDMF will signal the Agent system(s) to resume the volume.

Programmer response:
Respond to the accompanying GTD3684W message. Contact technical support for assistance.

Problem determination:
Message GTD3684W will be issued to provide more detailed problem determination data.

Detecting CSECT:
GTDRVOL

GTD2806I ICKDSF cannot be called for this volume.

Explanation:
TDMF is migrating a volume to a smaller target device, or the UNCONDITIONAL parameter was specified for the EXTVTOC option and the target device is larger than the source volume.

TDMF has determined that the source and target devices could not be successfully reserved, so the option to call ICKDSF for REFVTOC/EXTVTOC processing has been suppressed. However, because the call to ICKDSF is a requirement for this volume, the migration must be terminated.

The system is not converting the SYSVTOC RESERVE to a global ENQ and SYNCHRES=NO is set, or defaulted. The RESERVE macros for the SYSVTOC resource on the source and target volumes were successful but an error occurred for the I/O request intended to set the reserve indication at one of the devices.

System action:
The migration is terminated.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDQVOL

GTD2807I In-Storage Catalog (ISC) reinstated for a catalog.

Explanation:
During OVA processing for this volume, the ISC attribute for a catalog on this volume was disabled. The TDMF session has issued a "MODIFY CATALOG" command to return the catalog to its original status.

System action:
Processing continues.

Detecting CSECT:
GTDKVOL

GTD2808I Data space caching (VLF) reinstated for a catalog.

Explanation:
During OVA processing for this volume, the VLF attribute for a catalog on this volume was disabled. The TDMF session has issued a "MODIFY CATALOG" command to return the catalog to its original status.

System action:
Processing continues.

Detecting CSECT:
GTDKVOL

GTD2809I Enhanced Catalog Sharing (ECS) reinstated for a catalog.

Explanation:
During OVA processing for this volume, a catalog on this volume was removed from the ECS structure in the

coupling facility. The TDMF session has issued a "MODIFY CATALOG" command to return the catalog to its original status.

System action:
Processing continues.

Detecting CSECT:
GTDKVOL

GTD2810W Allocation of source volume failed. Return code: *return-code*, S99ERROR: *S99ERROR*.

Explanation:
During initialization for this volume, an attempt was made to allocate it to the TDMF session. The dynamic allocation was unsuccessful.

System action:
Processing continues.

Programmer response:
Contact technical support for assistance.

Problem determination:
The message text contains the Dynamic Allocation SVC return code and error reason code for the failure.

Detecting CSECT:
GTDAVOL

GTD2811W Allocation of target volume failed. Return code: *return-code*, S99ERROR: *S99ERROR*.

Explanation:
During initialization for this volume, an attempt was made to allocate it to the TDMF session. The dynamic allocation was unsuccessful.

System action:
Processing continues.

Programmer response:
Contact technical support for assistance.

Problem determination:
The message text contains the Dynamic Allocation SVC return code and error reason code for the failure.

Detecting CSECT:
GTDAVOL

GTD2812E Source volume is active in XRC session.

Explanation:
During volume activation the source volume appears to be active in an XRC (extended remote copy) session. Neither the TDMF Master nor any of the Agent systems have been able to determine whether this participation is as an XRC primary volume.

System action:
The volume migration is terminated.

Programmer response:
Ensure that a TDMF Agent job is submitted to the MVS system on which the System Data Mover is migrating this XRC volume. Contact technical support for assistance.

Detecting CSECT:
GTDAVOL

GTD2813E Source volume is active in XRC session.

Explanation:
During system initialization, the ANTRQST XQUERY request issued to determine whether TDMF source volumes are active in an XRC (extended remote copy) session was unsuccessful. Because of this, it is impossible for TDMF to determine whether this source volume - which appears to be active in an XRC session - is an XRC primary volume and would be eligible for migration.

System action:
The volume migration is terminated.

Programmer response:
Contact technical support for assistance.

Problem determination:
Check for the presence of system message GTD2814W or GTD2815W.

Detecting CSECT:
GTDKVOL

GTD2814W ANTRQST REQUEST=XQUERY Macro failed. Return code: *return-code*.

Explanation:
During system initialization, TDMF is attempting to determine whether any of the migration volumes is active in an XRC (extended remote copy) session. The ANTRQST macro set a non-zero return code.

System action:
Processing continues, but the migration of XRC active volumes will not be permitted. These volume migrations will be terminated immediately with message GTD2813E.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDKVOL

GTD2815W ANTRQST REQUEST=XQUERY Service failed by SDM. Return code: *return-code*.

Explanation:
During system initialization, TDMF is attempting to determine whether any of the migration volumes are active in an XRC (extended remote copy) session. The

ANTRQST macro set a zero return code, but the System Data Mover address space returned a non-zero value.

System action:
Processing continues, but the migration of XRC active volumes will not be permitted. These volume migrations will be terminated immediately with message GTD2813E.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDKVOL

GTD2816E Source volume is in use as secondary device in XRC session *XRC-session*.

Explanation:
During system initialization, TDMF has determined that this volume is part of the named XRC session.

System action:
TDMF terminates this volume migration.

Programmer response:
Use XDELPAIR to terminate XRC processing for this volume before attempting to migrate it with TDMF.

Detecting CSECT:
GTDKVOL

GTD2817E Target volume is in use as secondary device in XRC session *XRC-session*.

Explanation:
During system initialization, TDMF has determined that this volume is part of the named XRC session.

System action:
TDMF terminates this volume migration.

Programmer response:
Use XDELPAIR to terminate XRC processing for this volume before attempting to migrate it with TDMF.

Detecting CSECT:
GTDKVOL

GTD2818E Source volume is in use as primary device in XRC session *XRC-session*.

Explanation:
During system initialization, TDMF has determined that this volume is part of the named XRC session. TDMF does not permit the source volume of a swap type migration to be active in an XRC session unless the System Data Mover for the XRC session is active on the same system as the TDMF Master job and the "XRCVolume" option was specified on the MIGRATE control statement for the volume.

System action:
TDMF terminates this volume migration.

Programmer response:
Use XDELPAIR to terminate XRC processing for this volume before attempting to migrate it with TDMF. If this is impractical, rerun the migration with "OPT(XRCVOLUME)" specified on the MIGRATE control statement for this volume. Ensure that the Master job will execute on the system that is managing the XRC session.

Detecting CSECT:
GTDKVOL

GTD2819E Target volume is in use as primary device in XRC session *XRC-session*.

Explanation:
During system initialization, TDMF has determined that this volume is part of the named XRC session.

System action:
TDMF terminates this volume migration.

Programmer response:
Use XDELPAIR to terminate XRC processing for this volume before attempting to migrate it with TDMF.

Detecting CSECT:
GTDKVOL

GTD2820E Source volume is in use as secondary device in XRC session *XRC-session*.

Explanation:
During volume quiesce processing, TDMF has determined that this volume is part of the named XRC session.

System action:
TDMF terminates this volume migration.

Programmer response:
Use XDELPAIR to terminate XRC processing for this volume before attempting to migrate it with TDMF.

Detecting CSECT:
GTDQVOL

GTD2821E Target volume is in use as secondary device in XRC session *XRC-session*.

Explanation:
During volume quiesce processing, TDMF has determined that this volume is part of the named XRC session.

System action:
TDMF terminates this volume migration.

Programmer response:

Use XDELPAIR to terminate XRC processing for this volume before attempting to migrate it with TDMF.

Detecting CSECT:
GTDQVOL

GTD2822E **Source volume is in use as primary device in XRC session *XRC-session*.**

Explanation:
During volume quiesce processing, TDMF has determined that this volume is part of the named XRC session. TDMF does not permit the source volume of a swap type migration to be active in an XRC session.

System action:
TDMF terminates this volume migration.

Programmer response:
Use XDELPAIR to terminate XRC processing for this volume before attempting to migrate it with TDMF.

Detecting CSECT:
GTDQVOL

GTD2823E **Target volume is in use as primary device in XRC session *XRC-session*.**

Explanation:
During volume quiesce processing, TDMF has determined that this volume is part of the named XRC session.

System action:
TDMF terminates this volume migration.

Programmer response:
Use XDELPAIR to terminate XRC processing for this volume before attempting to migrate it with TDMF.

Detecting CSECT:
GTDQVOL

GTD2824E **Source volume is active in XRC session.**

Explanation:
The most recently attempted ANTRQST XQUERY request was unsuccessful. This volume being quiesced is active in an XRC (extended remote copy) session and is not known to TDMF as an XRC primary volume.

System action:
The volume migration is terminated.

Programmer response:
Contact technical support for assistance.

Problem determination:
Check for the presence of system message GTD2825W or GTD2826W.

Detecting CSECT:
GTDQVOL

GTD2825W **ANTRQST REQUEST=XQUERY Macro failed. Return code: *return-code*.**

Explanation:
During volume quiesce processing, TDMF is attempting to determine whether any of the migration volumes that are active in an XRC (extended remote copy) session is in use as a secondary volume. The ANTRQST macro set a non-zero return code.

System action:
Processing continues, but XRC active volumes will be automatically terminated at quiesce time. Note that source volumes that were previously determined by TDMF to be active as XRC primary volumes will not be terminated as a result of this error.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDQVOL

GTD2826W **ANTRQST REQUEST=XQUERY Service failed by SDM. Return code: *return-code*.**

Explanation:
During volume quiesce processing, TDMF is attempting to determine whether any of the migration volumes that are active in an XRC (extended remote copy) session is in use as a secondary volume. The ANTRQST macro set a zero return code, but the System Data Mover address space returned a non-zero value.

System action:
Processing continues, but XRC active volumes will be automatically terminated at quiesce time. Note that source volumes that were previously determined by TDMF to be active as XRC primary volumes will not be terminated as a result of this error.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDQVOL

GTD2827E **Volume is active in XRC session.**

Explanation:
During volume quiesce, either the source or target volume is active in an XRC (extended remote copy) session. If only the source volume is active with XRC, then either the migration type is "swap" or TDMF was unable to determine that the volume is not in use as an XRC secondary volume.

System action:
The volume migration is terminated.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDQVOL

GTD2828W **GQSCAN Macro failed. Return code: *return-code*, reason code: *reason-code*.**

Explanation:
Prior to volume quiesce and synchronization, for a source volume which is scheduled for ICKDSF REFORMAT processing, TDMF has reserved the SYSVTOC resource and is attempting to determine the status of the resource in GRS. The GQSCAN macro used by TDMF was unsuccessful.

System action:
TDMF will assume that the RESERVE was converted to a global ENQ if the source device's UCBSQC is set to zero.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDRTNV

GTD2829W **TDMF Master job not found in RIBE for SYSVTOC resource.**

Explanation:
Prior to volume quiesce and synchronization, for a source volume which is scheduled for ICKDSF REFORMAT processing, TDMF has reserved the SYSVTOC resource and is attempting to determine the status of the resource in GRS. None of the Resource Information Block Extents (RIBEs) returned by the GQSCAN macro described the TDMF Master job as the owner of the resource.

System action:
TDMF will assume that the RESERVE was converted to a global ENQ if the source device's UCBSQC is set to zero.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDRTNV

GTD2830I **Volume reinitialization requested by monitor user *jobname*.**

Explanation:
A TSO or Batch monitor user has attempted to restart a volume migration.

Detecting CSECT:
GTDTVOL

GTD2831E **Volume reinitialization request rejected. Reason code: *reason-code*.**

Explanation
A TSO or Batch monitor user has attempted to restart a volume migration, but the volume cannot be reinitialized. The error code in the message has the following possible meanings:

01 ENQ on source volume serial failed. The volume may be active in another TDMF session.
02 ENQ on target volume serial failed. The volume may be active in another TDMF session.
03 ENQ on new volume serial failed. The volume may be active in another TDMF session.
04 TCP/IP session to session link not restored. The session is unable to communicate with the TDMF REMOTE Master job because of an earlier network error.
05 Volume swapped to new device. The volume appears to have been swapped by either another TDMF session or another mechanism.

System action:
TDMF will not restart the volume migration.

User response:
Start the volume migration in a new session.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDTVOL

GTD2832I **Data no longer available for message GTD*message-number*I.**

Explanation:
Following the restart of a volume migration, TDMF has reused the control block fields containing data needed to build the informational message that was issued at this time.

System action:
TDMF proceeds as described for the original message.

User response:
Use the TDMF TSO Monitor message help facility or the printed TDMF documentation to find the original message text.

Detecting CSECT:
GTDRTNV

GTD2833W **Data no longer available for message GTD*message-number*W.**

Explanation:
Following the restart of a volume migration, TDMF has reused the control block fields containing data needed to build the warning message that was issued at this time.

System action:
TDMF proceeds as described for the original message.

User response:
Use the TDMF TSO Monitor message help facility or the printed TDMF documentation to find the original message text.

Detecting CSECT:
GTDRTNV

GTD2834E **Data no longer available for message GTD*message-number*E.**

Explanation:
Following the restart of a volume migration, TDMF has reused the control block fields containing data needed to build the error message that was issued at this time.

System action:
TDMF proceeds as described for the original message.

User response:
Use the TDMF TSO Monitor message help facility or the printed TDMF documentation to find the original message text.

Detecting CSECT:
GTDRTNV

GTD2835W **Systems Residence volume has been swapped from unit *source-device* to *target-device*.**

Explanation:
The source volume in this swap type migration appears to be the systems residence (IPL volume).

System action:
TDMF continues this volume migration.

Programmer response:
Manually update configuration parameters that contain the IPL device's unit address.

Detecting CSECT:
GTDRVOL

GTD2836W **IODF volume has been swapped from unit *source-device* to *target-device*.**

Explanation:
The source volume in this swap type migration was mounted on the IODF load unit.

System action

TDMF modifies the IODF load unit device number in the System Initialization Parameter Area (IPA) and continues this volume migration.

Note that the "DISPLAY IPLINFO" command will not display the new device address for the IODF volume until the next system IPL.

Programmer response:
Manually update configuration parameters that contain the IODF load unit device address.

Detecting CSECT:
GTDRVOL

GTD2837W **IPL Parameter library volume has been swapped from unit *source-device* to *target-device*.**

Explanation:
The source volume in this swap type migration appears to contain the PARMLIB dataset used at the previous IPL.

System action:
TDMF modifies the load parameters device number in the System Initialization Parameter Area (IPA) and continues this volume migration.

Programmer response:
Manually update configuration parameters that contain the device address for this load parameter library.

Detecting CSECT:
GTDRVOL

GTD2838I **TCP/IP reconnection successful.**

Explanation:
The IP Connect processor has successfully reestablished the TCP/IP connection for this volume.

System action:
Volume migration continues.

Detecting CSECT:
GTDXSL1

GTD2839I **REMOTE connection server inactive.**

Explanation:
The REMOTE session has accepted or rejected connections for all the migration volumes.

System action:
Volume migrations continue.

Detecting CSECT:
GTDXSR1

GTD2840I **Attempting to establish a remote session with *rmt-sys* port *port*.**

Explanation:
The IP Connect processor is attempting to establish a session with the identified remote processor.

System action:
Volume selection will be delayed until the session can be established.

Detecting CSECT:
GTDXSL1

GTD2841I **Established a TCP/IP session with *rmt-sys* port *port*.**

Explanation:
The IP Connect processor has successfully established a session with the identified remote processor.

System action:
Volume selection continues.

Detecting CSECT:
GTDXSL1

GTD2842E Failed to establish a TCP/IP session with *rmt-sys* port *port*.

Explanation:
The IP Connect processor failed to establish a session with the identified remote processor within the time interval allowed by the session.

System action:
Migration of this volume is terminated.

Programmer response:
Determine why a TDMF remote session was not active at this time. Correct the IP address and port numbers for the remote session.

Detecting CSECT:
GTDXSL1

GTD2843E Unexpected error occurred when attempting to establish a TCP/IP session. Reason code *reason-code*.

Explanation
The IP Connect processor detected an error in the previously initialized TCP/IP environment.

The reason code identifies the actual error that was detected:

04 API not initialized.
08 IPGL control block invalid.
12 Global TIE storage not obtained.
16 Task TIE storage not obtained.
20 Invalid IP address for volume.
24 Invalid Port number for volume.

System action:
Migration of this volume is terminated.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDXSL1

GTD2844E TCP/IP API CONNECT request rejected. Return code *err-code*.

Explanation:
The EZASMI macro detected an error in the TCP/IP environment. Error codes returned by the TCP/IP Application Programming Interface (API) for socket calls are documented in the IBM manual: *z/OS Communications Server IP Application Programming Interface Guide*.

System action:
Migration of this volume is terminated.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDXSL1

GTD2845E TCP/IP API SOCKET request rejected. Return code *err-code*.

Explanation:
The EZASMI macro detected an error in the TCP/IP environment. Error codes returned by the TCP/IP Application Programming Interface (API) for socket calls are documented in the IBM manual: *z/OS Communications Server IP Application Programming Interface Guide*.

System action:
Migration of this volume is terminated.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDXSL1

GTD2846E TCP/IP API CLOSE request rejected. Return code *err-code*.

Explanation:
The EZASMI macro detected an error in the TCP/IP environment. Error codes returned by the TCP/IP Application Programming Interface (API) for socket calls are documented in the IBM manual: *z/OS Communications Server IP Application Programming Interface Guide*.

System action:
Migration of this volume is terminated.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDXSL1

GTD2847E TCP/IP API GIVE_SOCKET request rejected. Return code *err-code*.

Explanation:
The EZASMI macro detected an error in the TCP/IP environment. Error codes returned by the TCP/IP Application Programming Interface (API) for socket calls are documented in the IBM manual: *z/OS Communications Server IP Application Programming Interface Guide*.

System action:
Migration of this volume is terminated.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDXSL1

GTD2848E **TCP/IP API SELECT request rejected. Return code *err-code*.**

Explanation:
The EZASMI macro detected an error in the TCP/IP environment. Error codes returned by the TCP/IP Application Programming Interface (API) for socket calls are documented in the IBM manual: *z/OS Communications Server IP Application Programming Interface Guide*.

System action:
Migration of this volume is terminated.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDXSL1

GTD2849S **TCP/IP Remote Connection Processor requested termination.**

Explanation:
An error occurred in the TCP/IP Remote Connection Processor module (XSR1) that could not be attributed to a single migration volume.

System action:
All volume migrations in this session are terminated.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDCVOL

GTD2850S **TCP/IP API SHUTDOWN request rejected. Return code *err-code*.**

Explanation
The EZASMI macro detected an error in the TCP/IP environment while attempting to close the socket used to pass migration volume information to the REMOTE system.

Error codes returned by the TCP/IP Application Programming Interface (API) for socket calls are documented in the IBM manual: *z/OS Communications Server IP Application Programming Interface Guide*.

System action:
The LOCAL session is terminated.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDXSL1

GTD2851E **ATTACH of copy task failed. Return code: *return-code*.**

Explanation:
An error was received while attaching the copy task for this volume. The return code is displayed in hexadecimal.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDXSR1

GTD2852S **TCP/IP API WRITE request rejected. Return code *err-code*.**

Explanation
The EZASMI macro detected an error in the TCP/IP environment while attempting to send the migration initialization message to the REMOTE system.

Error codes returned by the TCP/IP Application Programming Interface (API) for socket calls are documented in the IBM manual: *z/OS Communications Server IP Application Programming Interface Guide*.

System action:
The LOCAL session is terminated.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDXSL1

GTD2853S **IP WRITE canceled (*ecb-code*). IP processing terminated.**

Explanation:
While attempting to send the migration initialization message to a REMOTE TDMF session, this LOCAL system's asynchronous exit routine received control while an EZASMI TYPE=WRITE request was active.

System action:
The LOCAL session is terminated.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDXSL1

GTD2854E **REMOTE session initialization failure.**

Explanation:
This migration volume cannot be connected to a REMOTE TDMF session.

System action:
The volume is terminated.

User response:

Determine why the REMOTE system did not successfully initialize. Correct the errors and restart the REMOTE session. The volume cannot be restarted on the LOCAL system.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDXSL1

GTD2855E IP READ error (*err-code*).

Explanation

While attempting to read the acknowledgment of a successful connection to a REMOTE TDMF session for a TCP/IP volume migration, this LOCAL system received an error code from an EZASMI TYPE=READ request.

Error codes returned by the TCP/IP Application Programming Interface (API) for socket calls are documented in the IBM manual: *z/OS Communications Server IP Application Programming Interface Guide*.

System action:
The volume migration will terminate.

Programmer response:
Contact your network administrator.

Detecting CSECT:
GTDXSL1

GTD2856E IP Local Connection Processor ABENDed.

Explanation:
A TDMF abnormal termination recovery routine received control.

System action:
The volume migration will be terminated.

Programmer response:
Determine the cause of the abend, correct the problem if possible. If unable to determine or correct the problem then contact technical support.

Detecting CSECT:
GTDXSL1

GTD2857E Unable to acknowledge connection request.

Explanation:
An attempt to acknowledge a connection from a LOCAL TDMF Master system was unsuccessful.

System action:
The volume migration is terminated.

Programmer response:
Ensure the volume migration is terminated on the LOCAL system. Examine the messages issued by both TDMF sessions to determine the reason for failure. If unable to determine the cause of the error contact technical support for assistance.

Detecting CSECT:
GTDXSR1

GTD2858W IP CLOSE error (*err-code*).

Explanation:
The IP Connect processor received the identified IP error code from its EZASMI TYPE=CLOSE macro request. Error codes returned by the TCP/IP Application Programming Interface (API) for socket calls are documented in the IBM manual: *z/OS Communications Server IP Application Programming Interface Guide*.

System action:
Processing continues.

Programmer response:
Report this error to technical support.

Detecting CSECT:
GTDXSR1

GTD2859E SELECT timeout error, processing terminated.

Explanation:
The IP Connect processor timed out while attempting to give the IP communication socket to a just created subtask.

System action:
The volume migration will terminate on the REMOTE session.

Programmer response:
Terminate the volume on the LOCAL TDMF session. Contact technical support for assistance.

Detecting CSECT:
GTDXSR1

GTD2860E IP SELECT error (*err-code*).

Explanation

The IP Connect processor received the identified IP error code from its EZASMI TYPE=SELECT macro request.

Error codes returned by the TCP/IP Application Programming Interface (API) for socket calls are documented in the IBM manual: *z/OS Communications Server IP Application Programming Interface Guide*.

System action:
The volume migration will terminate on the REMOTE session.

Programmer response:
Terminate the volume on the LOCAL TDMF session. Contact technical support for assistance.

Detecting CSECT:
GTDXSR1

GTD2861E **The EMC Consistency Group status of the source volume was dynamically changed during migration.**

Explanation:
While a volume migration was in progress, it has been detected that the status of the volume in the EMC Consistency Group changed. Thus TDMF cannot guarantee the validity of the EMC Consistency Group if the swap operation completes. The status information for this volume will be available in subsequent message GTD2863I.

System action:
Volume migration is terminated.

Programmer response:
Ensure that the EMC Consistency Group system task is started on this system and that the status of the volume does not change during the migration process or contact technical support for assistance.

Detecting CSECT:
GTDQVOL

GTD2862E **The EMC Consistency Group status of the target volume was dynamically changed during migration.**

Explanation:
While a volume migration was in progress, it has been detected that the status of the volume in the EMC Consistency Group changed. Thus TDMF cannot guarantee the validity of the EMC Consistency Group if the swap operation completes. The status information for this volume will be available in subsequent message GTD2863I.

System action:
Volume migration is terminated.

Programmer response:
Ensure that the EMC Consistency Group system task is started on this system and that the status of the volume does not change during the migration process or contact technical support for assistance.

Detecting CSECT:
GTDQVOL

GTD2863I **An EMC CG API call was unsuccessful. Return code: *ret-code*, initial status: *init-code*, current status: *curr-code*.**

Explanation

The return code from the call to the EMC Consistency Group API is displayed, and the initial status and the current status are displayed as a result of message GTD2861S or GTD2862S being issued. In addition, if the name of the EMC Consistency Group has changed, this error message will be issued.

The return code may indicate the following values.

FF Request failed due to bad parameter, invalid microcode level, or invalid EMC internal Symmetrix number
00 Device is an EMC Consistency Group Device
04 Device is not an EMC Consistency Group Device
08 Device is an EMC Consistency Group Device but the Consistency Group API is not active
12 Consistency Group is query failed and reason code is not six or eight

The following indicates the bit definitions of the status bytes returned in the informational message.

80 EMC dasd
40 Device is a member of a Consistency Group
20 Consistency Group is enabled
10 Consistency Group is active
08 Symmetrix Remote Data Facility device
04 Symmetrix (SAR) device
02 SAR is active
01 Business Continuance Volume

System action:
TDMF terminates the migration session.

Programmer response:
Contact technical support for assistance.

Problem determination:
The message contains the hexadecimal return (R15) and status codes from the EMC Consistency Group API call.

Detecting CSECT:
GTDQVOL

GTD2869E **Volume *source-volser* is active in a dataset migration session (*ssid*).**

Explanation:
The source device was found in a dataset migration device lookup table for the named subsystem.

System action:
The volume migration is terminated.

User response:
Restart the migration when all dataset migration activity on the source volume is complete.

Detecting CSECT:
GTDRTNV

GTD2870I **Volume *source-volser* (UCB for device *device-address*) found in IOS Hash Table.**

Explanation:
The specified volume serial number was found in the IOS volume hash table.

System action:
The volume migration continues.

Detecting CSECT:
GTDRTNV

GTD2871I **The UCB for volume *source-volser* can no longer be accessed through the IOS Hash Table.**

Explanation:
The specified volume serial number was not found in the IOS volume hash table.

System action:
The volume migration continues.

Detecting CSECT:
GTDRTNV

GTD2872I **Volume *target-volser* (UCB for device *device-address*) found in IOS Hash Table.**

Explanation:
The specified volume serial number was found in the IOS volume hash table.

System action:
The volume migration continues.

Detecting CSECT:
GTDRTNV

GTD2873I **The UCB for volume *target-volser* can no longer be accessed through the IOS Hash Table.**

Explanation:
The specified volume serial number was not found in the IOS volume hash table.

System action:
The volume migration continues.

Detecting CSECT:
GTDRTNV

GTD2874I **Volume *duplex-volser* (UCB for device *device-address*) found in IOS Hash Table.**

Explanation:
The specified volume serial number was found in the IOS volume hash table.

System action:
The volume migration continues.

Detecting CSECT:
GTDRTNV

GTD2875I **The UCB for volume *duplex-volser* can no longer be accessed through the IOS Hash Table.**

Explanation:
The specified volume serial number was not found in the IOS volume hash table.

System action:
The volume migration continues.

Detecting CSECT:
GTDRTNV

GTD2876W **Volume might contain Standalone Dump dataset.**

Explanation:
The source volume contains a dataset which has the characters "SADMP" as part of a qualifier. Moving any DASD standalone dump dataset volume to a different unit may cause a problem in subsequent attempts to take a standalone dump. This warning indication can be suppressed by using the NOWARNING(2876) option on the SESSION control statement.

System action:
The volume migration continues.

Programmer response:
Determine whether the standalone dump program is still correct. If necessary, recompile the standalone dump program with the new unit address for the first dataset (OUTPUT=D*target-device*) and/or execute the AMDSADDD utility to recreate the dump datasets on their new units.

Detecting CSECT:
GTDSVOL

GTD2880E **Duplex volume is in use as secondary device in XRC session *XRC-session*.**

Explanation:
During system initialization, TDMF has determined that this volume is part of the named XRC session.

System action:
TDMF terminates this volume migration.

Programmer response:
Use XDELPAIR to terminate XRC processing for this volume before attempting to migrate it with TDMF.

Detecting CSECT:
GTDKVOL

GTD2883E **Duplex volume is in use as primary device in XRC session *XRC-session*.**

Explanation:
During system initialization, TDMF has determined that this volume is part of the named XRC session.

System action:
TDMF continues this volume migration.

Detecting CSECT:
GTDKVOL

GTD2890E Invalid VRNQ block found at offset *offset*.

Explanation:
While processing Agent system volume updates a record with an invalid eyecatcher was read from the Communications Dataset.

System action:
TDMF terminates this volume migration.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDMVOL

GTD2891E Invalid VRNQ block found at offset *offset*.

Explanation:
While processing Agent system volume updates a VRNQ record with a different volume serial number was read from the Communications Dataset.

System action:
TDMF terminates this volume migration.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDMVOL

GTD2892E Invalid VRNQ block found at offset *offset*.

Explanation:
While processing Agent system volume updates a VRNQ record with an invalid number of entries was read from the Communications Dataset.

System action:
TDMF terminates this volume migration.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDMVOL

GTD2893E Invalid VRNQ block found at offset *offset*.

Explanation:
While processing Agent system volume updates a VRNQ record with an invalid cylinder entry was read from the Communications Dataset.

System action:
TDMF terminates this volume migration.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDMVOL

GTD2894E Invalid MSVE block found at offset *offset*.

Explanation:
While processing Agent system volume updates a record containing an invalid MSVE control block was read from the Communications Dataset.

System action:
TDMF terminates this volume migration.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDMVOL

GTD2895E Source volume now offline (device *device-number*).

Explanation:
During volume activation, TDMF detected that the source volume is no longer online to this system.

System action:
TDMF terminates this volume migration.

User response:
Vary the device online and attempt to restart the volume migration from the Master system.

Detecting CSECT:
GTDAVOL

GTD2896E Target volume now offline (device *device-number*).

Explanation:
During volume activation, TDMF detected that the target volume is no longer online to this system.

System action:
TDMF terminates this volume migration.

User response:
Vary the device online and attempt to restart the volume migration from the Master system.

Detecting CSECT:
GTDAVOL

GTD2897E Duplex volume now offline (device *device-number*).

Explanation:
During volume activation, TDMF detected that the duplex or REMOTE target volume is no longer online to this system.

System action:
TDMF terminates this volume migration.

User response:
Vary the device online and attempt to restart the volume migration from the (LOCAL) Master system.

Detecting CSECT:
GTDAVOL

GTD2898E Source volume UCB has moved.

Explanation:
During TDMF initialization, the source volume's UCB address was found using the UCBLOOK macro. A different volume serial was found in an online UCB at this address during volume activation.

System action:
TDMF terminates this volume migration.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDAVOL

GTD2899E Target volume UCB has moved.

Explanation:
During TDMF initialization, the target volume's UCB address was found using the UCBLOOK macro. A different volume serial was found in an online UCB at this address during volume activation.

System action:
TDMF terminates this volume migration.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDAVOL

GTD2900E Duplex volume UCB has moved.

Explanation:
During TDMF initialization, the duplex or REMOTE target volume's UCB address was found using the UCBLOOK macro. A different volume serial was found in an online UCB at this address during volume activation.

System action:
TDMF terminates this volume migration.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDAVOL

GTD2901E Source volume swapped to device *device-number*.

Explanation:
The TDMF system has detected that the source volume for this migration has been swapped to a different device.

System action:
TDMF terminates this volume migration.

User response:
Start a new session for this volume if required.

Detecting CSECT:
GTDAVOL, GTDQVOL

GTD2902E Target volume swapped to device *device-number*.

Explanation:
The TDMF system has detected that the target volume for this migration has been swapped to a different device.

System action:
TDMF terminates this volume migration.

User response:
Start a new session for this volume if required.

Detecting CSECT:
GTDAVOL, GTDQVOL

GTD2903E Duplex volume swapped to device *device-number*.

Explanation:
The TDMF system has detected that the duplex target volume for this migration has been swapped to a different device.

System action:
TDMF terminates this volume migration.

User response:
Start a new session for this volume if required.

Detecting CSECT:
GTDAVOL, GTDQVOL

GTD2904E UCBLOOK macro failed at activation. Return code '*return-code*', reason code '*reason-code*'.

Explanation:
While activating a volume, an attempt to locate the UCB for a source or target volume, using the UCBLOOK macro, was unsuccessful. The hexadecimal return and reason codes set by the UCBLOOK macro are provided in the message.

System action:
TDMF terminates this volume migration.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDAVOL

GTD2905E Quiesce failed for volume with HYPERSWAP active.

Explanation:

While quiescing the source device for this migration, TDMF has detected that the volume is now under HyperSwap control (GDPS/PPRC or Basic HyperSwap prepared). TDMF does not currently allow a source volume to become active in a HyperSwap session during the course of a Swap or Point in Time migration.

System action:
TDMF terminates this volume migration.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDQVOL

GTD2906E Quiesce failed for volume with HYPERSWAP active.

Explanation:
While quiescing a target device for this migration, TDMF has detected that the volume is now under HyperSwap control (GDPS/PPRC or Basic HyperSwap prepared). TDMF does not currently allow a target volume to become active in a HyperSwap session during the course of a Swap or Point in Time migration.

System action:
TDMF terminates this volume migration.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDQVOL

GTD2907E UNPREPARE timeout for GDPS/PPRC HyperSwap volume.

Explanation:
The Master system has requested that GDPS/PPRC HyperSwap controlled volumes be unprepared prior to a swap. The source or target device for this volume still has the UCBHSWAP bit set, indicating that the GDPS "UNPREPARE" function has not been performed in this LPAR.

System action:
TDMF terminates this volume migration.

User response:
Confirm that NetView and GDPS are active on this system.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDQVOL

GTD2910I The limit for concurrently active migrations has been changed to *active-limit*.

Explanation:
The user has changed the maximum number of concurrently active volume migrations by overtyping the value displayed on the TSO Monitor's Session Status panel.

System action:
TDMF will use the new volume limit in volume selection. Decreasing the concurrent volume limit using the TSO Monitor will have no effect on volumes that are already active, but will delay selection and initialization of inactive volumes. Increasing the limit will permit the initialization of volumes that are inactive but selectable (no prompt outstanding).

Detecting CSECT:
GTDTVOL

GTD2911I Waiting for ENQ resource SYSZIOS/DYNAMIC. Resource held by *jobname*.

Explanation:
TDMF is attempting to quiesce a migration volume and requires control of the SYSZIOS/DYNAMIC ENQ resource to serialize updating of the UCB lookup table (ULUT). The resource is not immediately available on this system, so there is almost certainly a dynamic I/O configuration in progress.

System action:
TDMF will wait for the resource for up to five seconds. If the dynamic I/O configuration activity has not terminated by this time, and released the SYSZIOS/DYNAMIC ENQ resource, every volume currently being quiesced will be terminated with message GTD2912E.

Detecting CSECT:
GTDQVOL

GTD2912E Volume quiesce abandoned. Excessive wait for SYSZIOS/DYNAMIC ENQ resource.

Explanation:
TDMF is attempting to quiesce a migration volume and requires control of the SYSZIOS/DYNAMIC ENQ resource to serialize updating of the UCB lookup table (ULUT). The resource has been unavailable for five seconds, which might indicate there is a dynamic I/O configuration in progress that has stalled.

System action:
The volume migration is terminated.

Problem determination:
System message GTD2911I might have been issued when the ENQ resource was first requested. This message displays the name of the job or started task that owns the SYSZIOS/DYNAMIC resource.

Detecting CSECT:
GTDQVOL

GTD2921E **NetView/HyperSwap interface failure. Return code: *return-code*, reason code: *reason-code*.**

Explanation

TDMF attempted to contact the NetView address space to request termination of HyperSwap. Either the NetView address space was not found, or an unexpected response from NetView was received. The return and reason codes in the message have the following possible meanings:

04 The command response received from the NETVIEW started task does not have the expected format. The reason code is meaningless.

08 The program's MCSOPMSG macro set a non-zero return code. The reason code is the MCSOPMSG macro's return and reason codes.

16 The started task identified by the NETVIEW parameter on the SESSION control statement is no longer active. The reason code is meaningless.

20 An abnormal termination occurred during processing. The reason code is the system abend code.

24 The program's ESTAEX macro set a non-zero return code. The reason code is the ESTAEX macro's return and reason codes.

36 Timeout. There was no response from NetView to the "HYPERSW OFF" command within one minute. The reason code is meaningless.

System action:
The migration of this volume group is terminated.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDIBM

GTD2922W **NetView/HyperSwap interface failure. Return code: *return-code*, reason code: *reason-code*.**

Explanation

TDMF attempted to contact the NetView address space to request the HyperSwap function be restarted. Either the NetView address space was not found, or an unexpected response from NetView was received. The return and reason codes in the message have the following possible meanings:

04 The command response received from the NETVIEW started task does not have the expected format. The reason code is meaningless.

08 The program's MCSOPMSG macro set a non-zero return code. The reason code is the MCSOPMSG macro's return and reason codes.

16 The started task identified by the NETVIEW parameter on the SESSION control statement is no longer active. The reason code is meaningless.

20 An abnormal termination occurred during processing. The reason code is the system abend code.

24 The program's ESTAEX macro set a non-zero return code. The reason code is the ESTAEX macro's return and reason codes.

36 Timeout. There was no response from NetView to the "HYPERSW ON" command within one minute. The reason code is meaningless.

System action:
The program returns to GTDVOL.

Programmer response:
Attempt to restart GDPS/PPRC HyperSwap manually.

Detecting CSECT:
GTDIBM

GTD2923I **HyperSwap function now disabled for swap.**

Explanation:
TDMF has instructed NetView to suspend the GDPS/PPRC HyperSwap environment to allow the migration of a volume or volume group to complete.

System action:
The migration volumes will be quiesced and swapped.

Detecting CSECT:
GTDIBM

GTD2924I **HyperSwap function reactivation in progress.**

Explanation:
TDMF has instructed NetView to reactivate the GDPS/PPRC HyperSwap environment. TDMF received a positive response to the request.

System action:
TDMF execution continues.

Detecting CSECT:
GTDIBM

GTD2925E **HyperSwap volume migration terminated by Master.**

Explanation:
TDMF was unable to suspend the GDPS/PPRC HyperSwap environment. This volume is active in a HyperSwap session and could not be quiesced while the HyperSwap function is active.

System action:
TDMF execution continues.

Problem determination:
System message GTD2930E will have been issued for a change in the GDPS configuration, or message

GTD2921E will have been issued for the failure to suspend GDPS/PPRC HyperSwap.

Detecting CSECT:
GTDASPP

GTD2926I HyperSwap volume successfully quiesced.

Explanation:
Either the migration source or target device was active in a GDPS/PPRC or Basic HyperSwap environment. The TDMF request to suspend HyperSwap has been successfully completed on this system, allowing the volume to be quiesced prior to synchronization.

System action:
TDMF execution continues.

Detecting CSECT:
GTDQVOL

GTD2927I HyperSwap function successfully reactivated.

Explanation:
The UCBHSWAP flag has been set for a device that TDMF is monitoring, indicating that the GDPS/PPRC HyperSwap prepare function completed successfully.

System action:
TDMF execution continues.

Detecting CSECT:
GTDTVOL, GTDEVOL

GTD2928W HyperSwap function not reactivated.

Explanation:
In more than six minutes since TDMF issued the "HYPERSW ON" command, the UCBHSWAP flag has not been set for a device that was previously GDPS/PPRC HyperSwap managed, indicating that the HyperSwap Prepare function did not complete successfully.

System action:
TDMF termination continues.

Programmer response:
Attempt to diagnose and restart the GDPS/PPRC HyperSwap environment. Contact technical support for assistance.

Detecting CSECT:
GTDEVOL

GTD2929E NetView/HyperSwap interface failure. Return code: *return-code*, reason code: *reason-code*.

Explanation

TDMF attempted to contact the NetView address space to retrieve GDPS configuration data. Either the NetView address space is no longer active, or an unexpected response from NetView was received. The return and reason codes in the message have the following possible meanings:

04 The command response received from the NETVIEW started task does not have the expected format. The reason code is meaningless.

08 The program's MCSOPMSG macro set a non-zero return code. The reason code is the MCSOPMSG macro's return and reason codes.

16 The started task identified by the NETVIEW parameter on the SESSION control statement is no longer active. The reason code is meaningless.

20 An abnormal termination occurred during processing. The reason code is the system abend code.

24 The program's ESTAEX macro set a non-zero return code. The reason code is the ESTAEX macro's return and reason codes.

28 Program error. GTDIBM was called with an invalid function code. The reason code is the low order 16 bits of the value that was passed to the MGCRE subroutine.

36 Timeout. There was no response from NetView to the "HYPERSW SYS" command within one minute. The reason code is meaningless.

System action:
The migration session is terminated.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDIBM

GTD2930E GDPS/PPRC configuration is no longer valid.

Explanation:
TDMF is about to deactivate HyperSwap to permit a volume swap to occur. Prior to issuing the "HYPERSW OFF" command, a "HYPERSW SYS" command was issued to fetch the active GDPS/PPRC system names again. The GDPS/PPRC configuration returned by NetView does not match the configuration that was validated at session initialization. The most likely reason is that a system was IPLed and joined the GDPS/PPRC configuration after the TDMF session started.

System action:
The HyperSwap volume group is terminated.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDASPP

GTD2931E **Target device no longer active in PPRC.**

Explanation:
TDMF is about to quiesce the volume on the Master system prior to performing a volume swap. The target device for this volume was active in a PPRC session at initialization time, but its device pair appears to have been deleted.

System action:
The volume is terminated.

User response

Reestablish the PPRC session for this device and restart the volume migration using the monitor or by submitting the migration in a new session.

If the target device's PPRC session cannot be restarted and the source volume is not mirrored, a new session to migrate this volume could be submitted, Otherwise a different target volume must be chosen before attempting to migrate the volume in a new session.

Detecting CSECT:
GTDQVOL

GTD2932E **Target device PPRC session is suspended (*suspend-code*).**

Explanation:
TDMF is about to quiesce the volume on the Master system prior to performing a volume swap. The target device for this volume was active in a PPRC session at initialization time, but the session appears to have become suspended.

System action:
The volume is terminated.

User response

Reestablish the PPRC session for this device and restart the volume migration using the monitor or by submitting the migration in a new session.

If the target device's PPRC session cannot be restarted, a new session to migrate this volume must be submitted - specifying a different target volume.

Programmer response:
Contact technical support for assistance.

Problem determination:
The suspend code is the last four bits of the copy status as returned by ANTRQST. This value should be equivalent to the suspend codes in the CQUERY command response message, ANTP0090I, for the target device. If the value is zero, the device is simplex.

Detecting CSECT:
GTDQVOL

GTD2933E **CONGROUP/AutoSwap interface failure. Return code: *return-code*, reason code: *reason-code*.**

Explanation

TDMF attempted to contact the CONGROUP address space to request termination of AutoSwap. Either this address space was not found, or an unexpected response from CONGROUP was received. The return and reason codes in the message have the following possible meanings:

04 The command response received from the CONGROUP started task does not have the expected format. The reason code is meaningless.

08 The program's MCSOPMSG macro set a non-zero return code. The reason code is the MCSOPMSG macro's return and reason codes.

16 The started task identified by the CONGROUP parameter on the SESSION control statement is no longer active. The reason code is meaningless.

20 An abnormal termination occurred during processing. The reason code is the system abend code.

24 The program's ESTAEX macro set a non-zero return code. The reason code is the ESTAEX macro's return and reason codes.

36 Timeout. There was no response from CONGROUP to the "F *emccgrp*,DAS,SETSWAP *grpname* DISABLE" command within 30 seconds. The reason code is meaningless.

System action:
The migration of this volume group is terminated.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDEMC

GTD2934W **CONGROUP/AutoSwap interface failure. Return code: *return-code*, reason code: *reason-code*.**

Explanation

TDMF attempted to contact the CONGROUP address space to request the AutoSwap function be restarted. Either this address space was not found, or an unexpected response from CONGROUP was received. The return and reason codes in the message have the following possible meanings:

04 The command response received from the CONGROUP started task does not have the expected format. The reason code is meaningless.

08 The program's MCSOPMSG macro set a non-zero return code. The reason code is the MCSOPMSG macro's return and reason codes.

16 The started task identified by the NETVIEW parameter on the SESSION control statement is no longer active. The reason code is meaningless.

20 An abnormal termination occurred during processing. The reason code is the system abend code.

24 The program's ESTAEX macro set a non-zero return code. The reason code is the ESTAEX macro's return and reason codes.

36 Timeout. There was no response from CONGROUP to the "F *emccgrp*,DAS,SETSWAP *grpname* ENABLE" command within 30 seconds.

System action:
The program returns to GTDVOL.

Programmer response:
Attempt to restart GDPS/PPRC HyperSwap manually.

Detecting CSECT:
GTDEMC

GTD2935S GDPS/PPRC system *system-name* not active in migration session.

Explanation:
TDMF has successfully initialized a migration session for GDPS/PPRC HyperSwap Managed volumes. However, the number of systems active in the GDPS/PPRC session exceeds the number of systems specified on the SESSION control statement (Master and Agent systems). The system name supplied in the message is the first mismatch that TDMF detected; there might be other systems active in the GDPS/PPRC session that should also be active in the TDMF migration session.

System action:
The entire migration session is abandoned.

User response:
Specify the missing system(s) in the Agent parameter on the SESSION control statement and restart the session, remembering to also submit Agent jobs on these systems. If all the migration volumes are offline to one or more GDPS production systems, it is possible to start the session by specifying these system names in the IGNOREGDPS option of the SESSION control statement.

Problem determination:
The GDPS command, "HYPERSW SYS" can be used to obtain the list of GDPS systems currently active. There is no guaranteed correlation between the eight character GDPS system names and the four character SMF identifiers that TDMF uses.

Detecting CSECT:
GTDXVOL

GTD2936I AutoSwap function now disabled for swap.

Explanation:
TDMF has instructed CONGROUP to suspend the EMC Consistency Group AutoSwap environment to allow the migration of a volume or volume group to complete.

System action:
The migration volumes will be quiesced and swapped.

Detecting CSECT:
GTDEMC

GTD2937I AutoSwap function reactivation in progress.

Explanation:
TDMF has instructed CONGROUP to reactivate the EMC Consistency Group AutoSwap environment TDMF received a positive response to the request.

System action:
TDMF execution continues.

Detecting CSECT:
GTDEMC

GTD2938E AutoSwap volume migration terminated by Master.

Explanation:
TDMF was unable to suspend the EMC Consistency Group AutoSwap environment This volume is active in a AutoSwap session and could not be quiesced while the AutoSwap function is active.

System action:
TDMF execution continues.

Problem determination:
System message GTD2933E will have been issued for the failure to suspend the EMC Consistency Group AutoSwap environment.

Detecting CSECT:
GTDASPP

GTD2939S Too many remote System Data Mover agents detected.

Explanation:
TDMF was unable to continue as it has detected more than fourteen active remote System Data Mover LPARs.

System action:
The entire migration session is abandoned.

Detecting CSECT:
GTDXVOL

GTD2940W Modify command discarded on Agent system.

Explanation:

TDMF has received a "Modify" command from a z/OS operator console. This Agent system is unable to process this command.

System action:
The command is ignored.

User response:
Enter the command on the Master system.

Detecting CSECT:
GTDRTNM

GTD2941W Invalid modify command: syntax.

Explanation:
TDMF has received a "Modify" command from a z/OS operator console. The operand is not valid for this level of the product.

System action:
The command is ignored.

User response:
Enter the correct command.

Detecting CSECT:
GTDRTNM

GTD2942W Invalid modify command: volume or group not found.

Explanation:
TDMF has received a "Modify" command from a z/OS operator console. The command does not appear to be valid for this TDMF session.

System action:
The command is ignored.

User response:
Enter the correct command.

Detecting CSECT:
GTDRTNM

GTD2943I Command passed to TDMF session.

Explanation:
TDMF has received a "Modify" command from a z/OS operator console. The command has been queued for action by the session.

System action:
Processing continues.

Detecting CSECT:
GTDRTNM

GTD2944W Invalid modify command: numeric value.

Explanation:
TDMF has received a "Modify" command from a z/OS operator console. The operand should contain a number, but either the value supplied is not numeric, or it is an invalid quantity for this TDMF session.

System action:
The command is ignored.

User response:
Enter the correct command.

Detecting CSECT:
GTDRTNM

GTD2945W Invalid modify command: group name required.

Explanation:
TDMF has received a "Modify" command from a z/OS operator console. The operand specified a volume serial number, but the volume is part of a group and in this case the group name is required for the requested function.

System action:
The command is ignored.

User response:
Enter the correct command.

Detecting CSECT:
GTDRTNM

GTD2946W Invalid modify command: volume serial required.

Explanation:
TDMF has received a "Modify" command from a z/OS operator console. The operand specified a group name, but the requested function is only valid for an individual volume.

System action:
The command is ignored.

User response:
Enter the correct command.

Detecting CSECT:
GTDRTNM

GTD2947W Invalid modify command: incorrect volume status.

Explanation:
TDMF has received a "Modify" command from a z/OS operator console. The volume or group status is not valid for the specified function.

System action:
The command is ignored.

User response:
Enter the correct command.

Detecting CSECT:
GTDRTNM

GTD2948I **No remote System Data Mover agents detected.**

Explanation:
TDMF did not detect any volumes that were active on any system that could be considered a remote agent system.

System action:
Processing continues.

Detecting CSECT:
GTDXVOL

GTD2949I **Invalid modify command: volume in approval mode.**

Explanation:
TDMF has received a "Modify" command from a z/OS operator console. The operand specified a volume name which is waiting for a reply to an approval prompt.

System action:
The command is ignored.

User response:
Replay YES or NO to the approval prompt.

Detecting CSECT:
GTDTVOL

GTD2950E **Target device no longer active in HDS TrueCopy.**

Explanation:
TDMF is about to quiesce the volume on the Master system prior to performing a volume swap. The target device for this volume was active in an HDS TrueCopy session earlier, but it appears to have been removed from the session during the course of the migration.

System action:
The volume migration is terminated.

User response:
Reestablish the TrueCopy session for this device and restart the volume migration using the monitor or by submitting the migration in a new session.

Detecting CSECT:
GTDQVOL

GTD2951E **Target device no longer active in XRC.**

Explanation:
TDMF is about to quiesce the volume on the Master system prior to performing a volume swap. The target device for this volume was active in an XRC session earlier, but it appears to have been removed from the session during the course of the migration.

System action:
The volume migration is terminated.

User response:
Reestablish the XRC device pair for the target volume and restart the volume migration using the monitor or by submitting the migration in a new session.

Detecting CSECT:
GTDQVOL

GTD2952E **Target device no longer active in SRDF.**

Explanation:
TDMF is about to quiesce the volume on the Master system prior to performing a volume swap. The target device for this volume was active in an EMC SRDF session earlier, but it appears to have been removed from the session during the course of the migration.

System action:
The volume migration is terminated.

User response:
Reestablish the SRDF session for the target volume and restart the volume migration using the monitor or by submitting the migration in a new session.

Detecting CSECT:
GTDQVOL

GTD2960W **Automatic ICKDSF processing not possible for this volume.**

Explanation:
The SYSVTOC reserve for the source volume serial number is not being converted to a global ENQ request. The source volume is mounted on a device that does not support the RESERVE and RELEASE channel commands, but the target device does. This situation was not correctly detected at initialization, or the reserve conversion GRS/MIM rules have changed during the course of the migration.

System action:
TDMF execution continues. The automatic ICKDSF option will be suppressed for this volume.

Detecting CSECT:
GTDRTNV

GTD2961W **Automatic ICKDSF processing not possible for this volume.**

Explanation:
The SYSVTOC reserve for the source volume serial number is not being converted to a global ENQ request. The source volume is mounted on a device that supports the RESERVE and RELEASE channel commands, but the target device does not. This situation was not correctly detected at initialization, or the reserve conversion GRS/MIM rules have changed during the course of the migration.

System action:

TDMF execution continues. The automatic ICKDSF option will be suppressed for this volume.

Detecting CSECT:
GTDRTNV

GTD2962E Automatic ICKDSF processing not possible for this volume.

Explanation

The SYSVTOC reserve for the source volume serial number is not being converted to a global ENQ request - and the source and target volumes are mounted on devices that do not have the same shared attribute: one device supports the RESERVE and RELEASE channel commands, but the other does not. This situation was not correctly detected at initialization, or the reserve conversion GRS/MIM rules have changed during the course of the migration.

The automatic ICKDSF option is a requirement for this migration, because either the target device is smaller than the source volume or the UNCONDITIONAL parameter was specified for the EXTVTOC option. Because of the mismatch in device reserve support, TDMF REFVTOC processing cannot be performed.

System action:
The volume migration is terminated.

User response:
Choose a target device that has the same shared attribute as the source or, if the failure was for a migration to a smaller target device, has the same number of cylinders as the source. Alternatively, ensure that a SYSVTOC reserve for the source volume will always be converted to a global ENQ request before retrying the migration.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDRTNV

GTD2964E HyperSwap BLOCK command failure.

Explanation:
TDMF was unable to block HyperSwap functions for this system or parallel sysplex. The IOSHXBLK macro return and reason codes can be found in the accompanying GTD2965E system message.

System action:
This volume migration is terminated.

User response:
Respond to the GTD2965E system message.

Detecting CSECT:
GTDCVOL, GTDASPP

GTD2965E HyperSwap BLOCK command failure. Return code: *return-code*, reason code: *reason-code*.

Explanation:
TDMF attempted to block HyperSwap functions for this system or parallel sysplex, before beginning to quiesce HyperSwap managed volumes. The IOSHXBLK macro set a non-zero return code.

System action:
All HyperSwap managed volume migrations are terminated.

Programmer response:
Contact technical support for assistance.

Problem determination:
Refer to the IOSHXBLK macro prolog for assistance in understanding this error.

Detecting CSECT:
GTDCVOL, GTDASPP

GTD2966W HyperSwap UNBLOCK command failure. Return code: *return-code*, reason code: *reason-code*.

Explanation:
TDMF attempted to unblock HyperSwap functions for this system or parallel sysplex. The IOSHXBLK macro set a non-zero return code.

System action:
The session continues. Basic HyperSwap triggers will continue to be blocked on this sysplex unless the unblock request can be successfully performed on another member system.

Programmer response:
Use the z/OS operator commands, "Display HS,STATUS" and "SETHS UNBLOCK" to correctly restore the Basic HyperSwap environment.

Problem determination:
Refer to the IOSHXBLK macro prolog for assistance in understanding this error.

Detecting CSECT:
GTDVOL, GTDBDDT

GTD2967I HyperSwap BLOCK command issued successfully for *sysplex-name*.

Explanation:
TDMF has blocked Basic HyperSwap functions for this system or parallel sysplex.

System action:
Once all the participating systems/sysplexes have blocked Basic HyperSwap functions, the HyperSwap managed volumes will be quiesced.

Detecting CSECT:

GTDCVOL, GTDASPP

GTD2968I **HyperSwap UNBLOCK command issued successfully for *sysplex-name*.**

Explanation:
TDMF has resumed Basic HyperSwap functions for this system or parallel sysplex.

System action:
Processing continues.

Detecting CSECT:
GTDCVOL, GTDASPP

GTD2969E **HyperSwap BLOCK processing timed out for *sysplex-name*.**

Explanation:
TDMF has resumed Basic HyperSwap functions for this system or parallel sysplex.

System action:
Migration of this HyperSwap managed volume group is terminated.

Detecting CSECT:
GTDCVOL, GTDASPP

GTD2970E **Processing error: BLOCK command not requested for HyperSwap managed volume.**

Explanation:
TDMF has begun quiesce processing for a Basic HyperSwap managed volume, but no BLOCK request has been issued.

System action:
Migration of this HyperSwap managed volume is terminated.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDQVOL

GTD3499I ***callnum* STORSERV *stex*.**

Explanation:
This debug message is produced when the STORSERV keyword is specified in the GTDDEBUG file. It displays the STORPARM block going into the GTDSTOR module prior to a z/OS Storage service call, and the same STORPARM block after the service call, including feedback from the z/OS Storage service call.

System action:
TDMF execution continues.

Detecting CSECT:
GTDSTOR

GTD3512E **The GTDCOPY program has detected an abend that is considered recoverable.**

Explanation:
GTDCOPY has detected an unrecoverable error.

System action:
TDMF execution is terminated.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDCRCV

GTD3513E **The GTDCOPY program has detected an abend that is considered unrecoverable.**

Explanation:
GTDCOPY has detected an unrecoverable error.

System action:
TDMF execution is terminated.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDCRCV

GTD3514E **The GTDCOPY program is terminating this migration at the request of GTDIMON.**

Explanation:
GTDIMON has told GTDCOPY to terminate the migration.

System action:
This volume migration is terminated.

Programmer response:
Contact technical support for assistance.

Problem determination:
Check SYSPRINT for further explanatory messages.

Detecting CSECT:
GTDRTNM

GTD3515E **The GTDCOPY program is terminating this migration due to an invalid DDTE.**

Explanation:
GTDCOPY has found an error in a DDTE control block.

System action:
This volume migration is terminated.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDRTNM

GTD3516W **At the request of the Master System, GTDCOPY is terminating this migration.**

Explanation:
GTDCOPY has detected a termination request from the MASTER system. Check SYSPRINT for further explanatory messages.

System action:
TDMF execution is terminated.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDCOPY

GTD3517E **The GTDCOPY program has detected an abend causing termination of migrations.**

Explanation:
GTDCOPY has detected an abend in TDMF.

System action:
TDMF execution is terminated.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDCOPY

GTD3518E **An error occurred in the VTOC analysis routine; return code *return-code*.**

Explanation

TDMF has experienced an error while attempting to build a bit map of allocated tracks for the source volume. Errors reported by GTDCSEL are:

04 I/O error reading a track of the VTOC
08 Invalid DSCB key or data length
12 Invalid DSCB key or data length
16 Non-standard VTOC address
20 Abend in the module
32 Failed to acquire virtual storage for a work area
36 LSPACE error. See message GTD3773E.

System action:
The migration of this volume is terminated.

User response:
Analyze the GTDCSEL return code, correct the error, if possible, or set the Fast Copy option for the volume to OFF and resubmit the migration job.

Detecting CSECT:
GTDCOPY

GTD3519E **An I/O error has occurred on a reserve operation on a target volume.**

Explanation:
TDMF has detected an error attempting to RESERVE the target volume.

System action:
TDMF execution is terminated.

Programmer response:
Check SYSLOG and EREP for specifics.

GTD3520E **An I/O error has occurred on a release operation on a source volume.**

Explanation:
TDMF has detected an error attempting to RELEASE the source volume.

System action:
TDMF execution is terminated.

Programmer response:
Check SYSLOG and EREP for specifics.

GTD3521E **An I/O error has occurred on a release operation on a target volume.**

Explanation:
TDMF has detected an error attempting to RELEASE the target volume.

System action:
TDMF execution is terminated.

Programmer response:
Check SYSLOG and EREP for specifics.

GTD3522E **An I/O error has occurred on a read cylinder operation on a source volume.**

Explanation:
TDMF has detected an I/O error while reading from the source volume.

System action:
TDMF execution is terminated.

Programmer response:
Check SYSLOG and EREP for specifics.

Detecting CSECT:
GTDICPY, GTDRTNM

GTD3523E **An I/O error has occurred on a read cylinder operation on a target volume.**

Explanation:
TDMF has detected an I/O error while reading from the target volume.

System action:
TDMF execution is terminated.

Programmer response:
Check SYSLOG and EREP for specifics.

Detecting CSECT:
GTDICPY, GTDRTNM, GTDXSR3

GTD3524I **Successful movement of the source volume *source-volser*(*src-dev-num*) to the target volume *target-volser*(*tgt-dev-num*).**

Explanation:
TDMF has successfully completed the migration request.

Detecting CSECT:
GTDCOPY

GTD3525E **Unsuccessful movement of the source volume *source-volser* to the target volume *target-volser*.**

Explanation:
During the compare of the source and target volumes, a mismatch has been detected.

System action:
This volume migration is terminated.

User response:
Check that every MVS system that can update the source volume is participating in the TDMF session.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDRTNM

GTD3526I **Starting the comparison of the source and target volumes.**

Explanation:
TDMF has begun comparing the data on the source volume with the data on the target volume.

Detecting CSECT:
GTDRTNM, GTDXSR3

GTD3527I **Completed the comparison of the source and target volumes.**

Explanation:
TDMF has completed comparing the data on the source volume with the data on the target volume. The two volumes are identical.

System action:
The migration is completed and the volumes are resumed.

Detecting CSECT:
GTDRTNM

GTD3528I **Starting the copy of the source volume.**

Explanation:
TDMF has begun the copy of the source volume to the target volume.

Detecting CSECT:
GTDCOPY

GTD3529I **Completed the copy of the source volume.**

Explanation:
TDMF has completed the copy of the source volume to the target volume.

Detecting CSECT:
GTDCOPY

GTD3530I **Starting a refresh of the target volume.**

Explanation:
TDMF has begun a cycle of applying updates to the target volume.

Detecting CSECT:
GTDCOPY, GTDXSR3

GTD3531I **Completed a refresh of the target volume.**

Explanation:
TDMF has completed a cycle of applying updates to the target volume.

Detecting CSECT:
GTDCOPY

GTD3532I **Starting the synchronization of the target volume.**

Explanation:
TDMF has begun the final cycle of applying updates to the target volume.

Detecting CSECT:
GTDCOPY, GTDXSR3

GTD3533I **Completed the synchronization of the target volume.**

Explanation:
TDMF has completed the final cycle of updates to the target volume.

Detecting CSECT:
GTDCOPY

GTD3534E **An I/O error has occurred on a read track operation on a source volume.**

Explanation:
TDMF has detected an I/O error reading from the source volume.

System action:
TDMF migration for the volume is terminated.

Programmer response:
Check SYSLOG and EREP for specifics.

Detecting CSECT:
GTDCSEL

GTD3535E **An I/O error has occurred on a write track operation on a target volume.**

Explanation:
TDMF has detected an I/O error writing on the target volume.

System action:
TDMF migration for the volume is terminated.

Programmer response:
Check SYSLOG and EREP for specifics.

Detecting CSECT:
GTDXSR3

GTD3536E **An I/O error has occurred on a read cylinder operation on a source volume.**

Explanation:
TDMF has detected an I/O error reading from the source volume.

System action:
TDMF migration for the volume is terminated.

Programmer response:
Check SYSLOG and EREP for specifics.

Detecting CSECT:
GTDCOPY, GTDICPY

GTD3537E **An I/O error has occurred on a write cylinder operation on a target volume.**

Explanation:
TDMF has detected an I/O error writing to the target volume.

System action:
TDMF migration for the volume is terminated.

Programmer response:
Check SYSLOG and EREP for specifics.

Detecting CSECT:
GTDCOPY, GTDICPY

GTD3538E **An abend was detected by GTDIVOL which caused the above I/O operation failure.**

Explanation:
GTDIVOL has detected an abend which caused the previous error.

System action:
TDMF migration for the volume is terminated.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDICPY, GTDXSR3

GTD3539E **This I/O operation failed due to an invalid record zero read from the source.**

Explanation:
An invalid Record Zero was read from the source volume.

System action:
TDMF migration for the volume is terminated.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDICPY, GTDXSR3

GTD3540E **This I/O operation failed due to an invalid count field read from the source.**

Explanation:
An invalid Count field was read from the source volume.

System action:
TDMF migration for the volume is terminated.

User response:
Refer to the *IBM Transparent Data Migration Facility for z/OS Reference Guide* for information about the "ALLOWINValidcounts" session or volume option.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDICPY, GTDXSR3

GTD3541E **This I/O operation failed due to an overflow of the CCW buffer.**

Explanation:
TDMF has detected an overflow of an internal buffer (CCW).

System action:
TDMF migration for the volume is terminated.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDICPY, GTDXSR3

GTD3542E **This I/O operation failed due to an overflow of the CCW data buffer.**

Explanation:

TDMF has detected an overflow of an internal buffer (CCW data).

System action:
TDMF migration for the volume is terminated.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDICPY, GTDXSR3

GTD3543W **The VMSG control block is full for this volume migration.**

Explanation:
TDMF has filled the message control block for this volume on this system. This message occupies the last (253rd) message position in the control block.

System action:
TDMF volume migration continues with no additional messages being received for this volume.

User response

The TDMF TSO Monitor should be used to check the final status for this volume migration. The Past Session Summary panel, option six, will indicate whether the volume completed successfully or had been terminated with an error condition.

Some volume messages can be suppressed, for example: the unidentified systems messages (GTD2382I) will not be issued for systems specified in the SESSION control statement IGNORESYStems option.

Detecting CSECT:
GTDRTNM

GTD3544E **Unsuccessful I/O buffer storage management request, reason code is *reason-code*.**

Explanation:
GTDCOPY has terminated this migration due to a failure during pagefix processing: a request to fix storage for a volume's I/O buffer has been rejected.

System action:
TDMF migration for the volume is terminated.

Programmer response:
Contact technical support for assistance.

Problem determination:
Probable programming error.

Detecting CSECT:
GTDRTNM

GTD3545I **A Suspend command has been received for this volume via the monitor.**

Explanation:
I/O activity to the volume has been suspended by way of the S command on TDMF TSO Monitor Screen 7.

Detecting CSECT:
GTDRTNM

GTD3546I **A Suspend command has been completed for this volume.**

Explanation:
I/O activity to the volume has been suspended by way of the S command on TDMF TSO Monitor Screen 7, and internal actions by TDMF have completed the suspension of I/O to this volume.

Detecting CSECT:
GTDRTNM

GTD3547I **A Continue command has been received for this volume via the Monitor.**

Explanation:
A Continue command to remove this volume from a suspended state caused by the Suspend Command was entered by the User via the TDMF TSO Monitor.

Detecting CSECT:
GTDRTNM

GTD3548I **A Continue command has been completed for this volume.**

Explanation:
A Continue command to remove this volume from a suspended state caused by the Suspend.

System action:
Command has been completed and I/O to the volume continues.

Detecting CSECT:
GTDRTNM

GTD3549I **For an I/O related error, the copy task is attempting further volume analysis.**

Explanation:
TDMF has detected an either a read error on the source volume or in the data read from the source volume.

System action:
TDMF volume migration terminates. Further analysis of the volumes is being attempted to determine if the error will occur on subsequent volume locations.

Detecting CSECT:
GTDCOPY

GTD3550I **The copy task has completed its volume analysis after an error situation.**

Explanation:
TDMF has completed its volume analysis after the previously detected error situation on the source volume.

System action:
TDMF volume migration terminates.

Detecting CSECT:
GTDCOPY

GTD3551W **The copy task received an unexpected read error during volume analysis.**

Explanation:
The TDMF copy task is performing source volume analysis after detecting either an I/O error or a non-standard record zero or count field on the source volume. This message is issued when an I/O timeout or program error is encountered during volume analysis.

System action:
TDMF volume analysis is discontinued and termination is requested for this volume.

Detecting CSECT:
GTDCOPY

GTD3552W **The copy task received an unexpected write error during volume analysis.**

Explanation:
TDMF copy task received an unexpected write error during its volume analysis after the previously detected error situation on the source volume.

System action:
TDMF volume analysis is discontinued. TDMF volume migration terminates.

Detecting CSECT:
GTDCOPY

GTD3553E **The copy task is terminating its functions at the Master system request.**

Explanation:
TDMF copy task received a request from the main task to terminate its copy functions.

System action:
TDMF volume migration terminates.

Detecting CSECT:
GTDRTNM

GTD3554W **An I/O timeout condition occurred during a read from the source device, *device-number*.**

Explanation
TDMF forces an I/O timeout limit on volume operations. If the timeout condition occurs, TDMF will wait for user intervention, through the TSO or batch monitor "continue" command, before retrying the failing read cylinder operation.

The TDMF I/O time limit is usually one and a half times the Missing Interrupt Handler (MIH) interval for the device. See the *IBM Transparent Data Migration Facility for z/OS Reference Guide* for more information.

System action:
TDMF suspends this volume migration.

Detecting CSECT:
GTDICPY

GTD3555W **An I/O timeout condition occurred during a write to the target device, *device-number*.**

Explanation
TDMF forces an I/O timeout limit on volume operations. If the timeout condition occurs, TDMF will wait for user intervention, through the TSO or batch monitor "continue" command, before reading the current cylinder again and retrying the failing write cylinder operation.

The TDMF I/O time limit is usually one and a half times the Missing Interrupt Handler (MIH) interval for the device. See the *IBM Transparent Data Migration Facility for z/OS Reference Guide* for more information.

System action:
TDMF suspends this volume migration.

Detecting CSECT:
GTDICPY

GTD3556I **Migration suspended for *source-volser*.**

Explanation:
Migration of the volume has been suspended after an I/O operation terminated with a timeout or permanent error condition. The preceding message GTD3554W or GTD3555W contains the device number for which the I/O timeout occurred. In the case of a permanent error condition, the previous message GTD3562W or GTD3563W identifies the failing device. This message is also written to the MVS console to alert the operator that the volume migration has been suspended by the TDMF session.

System action:
TDMF temporarily ceases I/O activity for this volume and page-frees the storage which was fixed for I/O buffers. WTOR message GTD3558A will be written to the MVS console to permit the operator to continue or terminate the migration using the REPLY command.

User response:
Correct the missing interrupt or permanent error condition if possible, then use the batch or TDMF TSO Monitor, or reply to message GTD3558A to continue or terminate this volume migration.

Detecting CSECT:
GTDRTNM

GTD3557E **Mismatch between local and remote cylinder bitmaps.**

Explanation:
TDMF is performing a TCP/IP volume comparison, where the REMOTE session is returning a stream of checksum arrays. The LOCAL has determined that a bitmap was received out of sequence.

System action:
The volume comparison is abandoned and the migration is terminated.

User response:
Send the LOCAL and REMOTE Communications Datasets to technical support.

Detecting CSECT:
GTDICPY

GTD3558A **Reply *source-volser* to continue or "CANCEL" to terminate the volume.**

Explanation
This message follows either GTD3556I or GTD3559I and is written to the MVS console.

This volume migration is suspended until TDMF receives a reply to this operator message or a command is received for the volume from the TDMF TSO Monitor.

System action
An invalid reply causes message GTD3559I to be issued, followed by a reissuance of this message.

The volume copy recommences by rereading the cylinder where the failure occurred if the operator reply or TDMF TSO Monitor command is for the migration to continue.

The volume migration is terminated if the operator replies CANCEL.

User response:
Reply CANCEL to terminate this volume migration. Reply with the source volume serial number if the condition causing the I/O timeout or permanent error has been resolved and the volume migration should continue.

Detecting CSECT:
GTDRTNM

GTD3559I **Invalid reply for suspended volume *source-volser*.**

Explanation:
The operator replied to message GTD3558A, but did not supply either the volume serial number, or the word "CANCEL".

System action:
Message GTD3558A is reissued.

Detecting CSECT:
GTDRTNM

GTD3560I **Sense for volume *volser* on *device-number*: *sense-bytes*.**

Explanation:
Sense byte display for various error messages.

System action:
TDMF continues as specified for the preceding message.

User response:
See the preceding displayed message for action to be taken.

Detecting CSECT:
GTDCMSG, GTDMSGM, GTDMSGS, GTDVPST

GTD3561I **Sense for volume *volser* on *device-number*: *sense-bytes*.**

Explanation:
Sense byte display for various error messages.

System action:
TDMF continues as specified for the preceding message.

User response:
See the preceding displayed message for action to be taken.

Detecting CSECT:
GTDCMSG, GTDMSGM, GTDMSGS, GTDVPST

GTD3562W **An I/O operation to the source device, *device-number*, could not be started.**

Explanation:
Because of a permanent error condition on the source device, IOS has rejected an I/O request.

System action:
TDMF suspends this volume migration, issuing messages GTD3556I and GTD3558A.

User response:
Determine what caused MVS to box the device and having corrected this, attempt to bring the device online again. It might be necessary to use the "UNCOND" parameter of the MVS VARY ONLINE command.

Detecting CSECT:
GTDICPY

GTD3563W **An I/O operation to the target device, *device-number*, could not be started.**

Explanation:
Because of a permanent error condition on the target device, IOS has rejected an I/O request.

System action:
TDMF suspends this volume migration, issuing messages GTD3556I and GTD3558A.

User response:
Determine what caused MVS to box the device and having corrected this, attempt to bring the device online again. It might be necessary to use the "UNCOND" parameter of the MVS VARY ONLINE command.

Detecting CSECT:
GTDICPY

GTD3564W **A Channel Extender equipment check occurred while reading from the source device, *device-number*.**

Explanation:
TDMF detected an equipment check with sense information indicating a telecommunications error had been encountered by a channel extender.

System action:
TDMF suspends the copying of data for this volume migration.

User response:
Correct the network problem and use the TDMF TSO or Batch Monitor function to issue a "continue" command for the volume. It is also possible to continue the migration by replying to the console message GTD3558A.

Detecting CSECT:
GTDICPY

GTD3565W **A Channel Extender equipment check occurred while writing to the target device, *device-number*.**

Explanation:
TDMF detected an equipment check with sense information indicating a telecommunications error had been encountered by a channel extender.

System action:
TDMF suspends the copying of data for this volume migration.

User response:
Correct the network problem and use the TDMF TSO or Batch Monitor function to issue a "continue" command for the volume. It is also possible to continue the migration by replying to the console message GTD3558A.

Detecting CSECT:
GTDICPY

GTD3566I **Starting to write the REMOTE target volume.**

Explanation:
TDMF has begun the copy of the source volume to the target volume on this system.

Detecting CSECT:
GTDXSR3

GTD3567E **An abend was detected by GTDSIO which caused the above I/O operation failure.**

Explanation:
An abend has occurred in the TDMF Start I/O module.

System action:
TDMF migration for the volume is terminated.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDICPY, GTDXSR3

GTD3568I **Sense for volume *volser* on *device-number*:*sense-bytes*.**

Explanation:
Sense byte display for various error messages.

System action:
TDMF continues as specified for the preceding message.

User response:
See the preceding displayed message for action to be taken.

Detecting CSECT:
GTDCMSG, GTDMSGM, GTDMSGS, GTDVPST

GTD3569I **Migration of *source-volser* to *target-volser* has been disapproved. All updates have been applied to the original source mounted on *src-dev-num*.**

Explanation:
TDMF has successfully synchronized the original and new source volumes in preparation for switching back to the original source volume.

Detecting CSECT:
GTDCOPY

GTD3575I **Waiting for reconnection by the LOCAL system.**

Explanation:

The TCP/IP socket being used to receive data from the LOCAL TDMF session has been closed, because of an error condition. The volume migration is waiting for a reconnection attempt from the LOCAL session.

System action:
Volume replication is temporarily suspended.

Detecting CSECT:
GTDCOPY

GTD3576I TCP/IP reconnection successful.

Explanation:
The TCP/IP REMOTE connection server has successfully reestablished the TCP/IP connection for this volume.

System action:
The volume replication continues.

Detecting CSECT:
GTDCOPY

GTD3580E Source volume swapped to device *device-number*.

Explanation:
The TDMF system has detected that the source volume for this migration has been swapped to a different device.

System action:
The TDMF copy task for this volume is terminated.

User response:
Start a new session for this volume if required.

Detecting CSECT:
GTDRTNM

GTD3581E Target volume swapped to device *device-number*.

Explanation:
The TDMF system has detected that the target volume for this migration has been swapped to a different device.

System action:
The TDMF copy task for this volume is terminated.

User response:
Start a new session for this volume if required.

Detecting CSECT:
GTDRTNM

GTD3582E Duplex volume swapped to device *device-number*.

Explanation:
The TDMF system has detected that the duplex target volume for this migration has been swapped to a different device.

System action:
The TDMF copy task for this volume is terminated.

User response:
Start a new session for this volume if required.

Detecting CSECT:
GTDRTNM

GTD3666S An EPVT (above 16MB) obtain storage migration request (TRK data) for a System Data Mover agent.

Explanation:
TDMF was unable to acquire 60KB of virtual storage in the extended private area for this volume. The total amount of private area virtual storage allocated during an Agent system initialization depends on the number of volumes to be migrated.

System action:
TDMF execution is terminated.

User response:
Increase the region size and resubmit the job. Refer to the *IBM Transparent Data Migration Facility for z/OS Reference Guide* for estimating virtual storage requirements.

Detecting CSECT:
GTDXCPY

GTD3678W An I/O timeout condition occurred during a write to the target device, *device-number*.

Explanation:
TDMF forces a 60 second I/O timeout limit on volume operations. If the timeout condition occurs, TDMF will wait for user intervention, through the TSO or batch monitor "continue" command, before reading the current cylinder again and retrying the failing write cylinder operation.

System action:
TDMF suspends this volume migration.

Detecting CSECT:
GTDSTK

GTD3679I A Set Must Complete ENQ.

Explanation:
TDMF detected an attempt by ICKDSF to establish a set must complete condition for its subtask. This condition will prevent the TDMF main task processing the remaining volumes until the corresponding DEQ is issued.

System action:
TDMF delays processing of this ENQ request if there are quiesced volumes in the migration session.

Detecting CSECT:
GTDRTNV

GTD3680E **The GTDCOPY program received an error from Dynamic Delete Space Release (DDSR).**

Explanation:
GTDCOPY has detected an unrecoverable DDSR error.

System action:
TDMF execution is terminated.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDCOPY, GTDXSR3

GTD3682I **ICKDSF has completed the "REFORMAT REFVTOC" function.**

Explanation:
The VTOC and VTOC index (if present) have been successfully validated by the ICKDSF program.

System action:
The copy task for the volume completes.

Detecting CSECT:
GTDCSEL

GTD3683I **ICKDSF has extended the VTOC by *tracks* track(s).**

Explanation:
The ICKDSF program successfully extended the Volume Table of Contents by the number of tracks shown. As part of this processing the VTOC index will have been deleted and then rebuilt to match the new size of the VTOC.

System action:
The copy task for the volume completes.

Detecting CSECT:
GTDCSEL

GTD3684W **ICKDSF "REFORMAT" processing failed. Error code: *error-code/reason-code*.**

Explanation

During ICKDSF post-swap processing for the volume an error situation occurred. The error code in the message has the following possible meanings:

01 An attempt to acquire virtual storage for a workarea failed. The reason code is the value of R15 on return from the STORAGE macro.

02 An attempt to reserve on SYSVTOC/volser with parameter "RET=USE" was unsuccessful. The reason code is the RESERVE macro's return code.

03 I/O request unsuccessful. TDMF attempted to execute an I/O operation on the source and target devices, to cause them to become physically reserved. The reason code is the value of R15 on return from GTDIVOL.

05 The attempt to allocate the volume for ICKDSF was unsuccessful. The reason code is the value of R15 on return from DYNALLOC.

06 The attempt to allocate a temporary control statement file for ICKDSF was unsuccessful. The reason code is the value of R15 on return from DYNALLOC.

07 The attempt to OPEN the temporary control statement file for ICKDSF was unsuccessful. The reason code is the value of R15 on return from the OPEN macro.

08 The ICKDSF program completed with a non-zero return code. The reason code is the value of R15 on return from the ICKDSF program.

09 The GTDCSEL program abnormally terminated when attempting to invoke ICKDSF.

10 REFORMAT of the volume was not attempted. For an indexed volume, there was insufficient free space in the VTOC index for a "REFVTOC" to be performed and the VTOC and its index could not be extended because the track immediately following the VTOC was not available. The version of ICKDSF installed on the TDMF Master system will not automatically extend the index during REFORMAT REFVTOC processing.

12 The volume is not mounted "PRIVATE". ICKDSF requires that an online volume which is the subject of a REFORMAT operation has the PRIVATE mount attribute. The reason code is the contents of the UCBSTAB field for the volume.

13 The volume has a non-standard VTOC. The reason code is always zero.

15 The attempt to allocate a temporary print file for ICKDSF was unsuccessful. The reason code is the value of R15 on return from DYNALLOC.

16 Device not physically reserved. After issuing a RESERVE macro for both the source and target devices, and performing an I/O operation to each if SYNCHRES was not set to YES, one of the devices was found to not be physically reserved. The reason code is zero if the source device was not reserved and one if only the target was not reserved.

17 Quiesce delayed on Master system. The source device was physically reserved on the Master system at volume quiesce time, although not for the SYSVTOC resource. To break out of a possible ENQ deadlock the Master system released all the resources that had been acquired for ICKDSF processing.

18 Quiesce delayed on Agent system. The source device was physically reserved on an Agent system at volume quiesce time. Before starting quiesce processing the Master might have acquired ENQ resources to serialize ICKDSF REFVTOC processing.

To break out of a possible ENQ deadlock the Master system released all the resources that had been acquired for ICKDSF processing.

19 Device shareability mismatch. One of the devices is generated as unshared (UCBRR=0) and the SYSVTOC reserve for the source volume serial is not being converted to a global ENQ. Message GTD2960W or GTD2961W will have been issued at quiesce time by the TDMF main task. The reason code is zero if the source device is unshared and one if the target is unshared.

System action:
The copy task for the volume completes.

User response:
For error codes "6" and "15", and depending on the allocation error information found in the preceding GTD3686I message, it might be possible to prevent the allocation failure by changing the STORCLAS parameter in the SESSION control statement options.

Programmer response

If the error code was "8" and if the DSFPRINT DD statement was not supplied, it might be necessary to run ICKDSF manually to see the relevant error message. If the error code was "10" the VTOC index must be expanded, which means that ICKDSF must be executed to extend the VTOC also. If it is possible to move the dataset adjacent to the VTOC, then ICKDSF can be used to perform the "REFORMAT EXTVTOC(n)" function, which also extends the index. Note that the VTOC cannot be extended past track zero of cylinder 4369. The PTF level of ICKDSF that supports Dynamic Volume Expansion (DVE) will reallocate the VTOC index for the REFVTOC function, so error code "10" is never set on a system with an up to date ICKDSF installed.

For some of these error codes, it might be possible to correct the VTOC and index manually - and in this case, and at the earliest opportunity, vary the volume offline from the Agent system(s) and execute the "REFORMAT REFVTOC" or "REFORMAT EXTVTOC(n)" function of ICKDSF.

Problem determination:
For error codes "5", "6", and "15" this message will be preceded by GTD3686I - providing additional error information from DYNALLOC.

Detecting CSECT:
GTDCSEL

GTD3685W **TDMF is unable to extend the VTOC to the required size of *tracks* tracks.**

Explanation:
The number of tracks shown is the optimum increased size of the Volume Table of Contents, as determined by TDMF, after migration of the volume to a target device with a greater number of primary cylinders. TDMF was unable to instruct the ICKDSF program to extend the VTOC to this new size, because either the volume does not have an indexed VTOC (TDMF collects allocated track information from the index), there were insufficient unallocated tracks adjacent to the VTOC or this extension would cause the VTOC to occupy track number 65,536.

System action:
The VTOC will be extended as far as possible. If no unallocated tracks are available (or if the volume is not indexed), a "REFORMAT REFVTOC" will be performed.

Detecting CSECT:
GTDCSEL

GTD3686I **Unsuccessful DYNALLOC: S99ERROR=X'*S99ERROR*', S99INFO=X'*S99INFO*', S99ERSN=X'*S99ERSN*'.**

Explanation:
An attempt to allocate one of the DD statements required for ICKDSF REFORMAT processing failed. The SMS reason code, S99ERSN, will be zero unless the first two characters of the S99ERROR field are "97".

System action:
Message GTD3684W is issued with an error-code identifying the allocation that failed.

Detecting CSECT:
GTDCSEL

GTD3687E **Allocation detected on invalid source volume cylinder.**

Explanation:
TDMF is migrating a volume to a smaller target device. During the copy or refresh of the VTOC index it was found that a cylinder location which does not exist on the target device is no longer available for allocation. TDMF interprets this as meaning that a dataset is allocated on this cylinder and the volume will no longer fit on to the target device.

System action:
The migration is terminated.

User response:
If the volume must be migrated to a smaller target device, new dataset allocations should be prevented and those datasets residing at cylinder numbers higher than are supported by the target device must be moved or deleted.

Detecting CSECT:
GTDICPY

GTD3688E **Swap migration to smaller target device abandoned.**

Explanation:
TDMF is migrating a volume to a smaller target device. The volume no longer has a valid VTOC index, so TDMF will not invoke ICKDSF to reformat the volume after the swap.

System action:
The migration is terminated.

User response:
Determine why the index became invalid and, if necessary, rebuild the VTOC index using ICKDSF.

Detecting CSECT:
GTDICPY

GTD3689E **Reverse Swap migration abandoned.**

Explanation:
TDMF is migrating a volume to a smaller target device. At TDMF initialization the number of primary cylinders specified in the Volume Table of Contents (VTOC) exactly matched the size of the target device - allowing a "reverse" type migration. The VTOC has since been modified and the volume is no longer eligible for a reverse swap.

System action:
The migration is terminated.

User response:
Prevent dataset allocations at cylinder numbers higher than are supported by the target device and move or delete any datasets occupying these cylinders. Ensure that the VTOC index is valid, the volume is mounted "PRIVATE" and does not contain a page dataset and resubmit the migration specifying the option to invoke ICKDSF to reformat the VTOC after the swap.

Detecting CSECT:
GTDICPY

GTD3690W **Invalid count field detected on source volume at CCHH=*disk-address*.**

Explanation:
An invalid Count field was read from the source volume. The user has requested that TDMF should not terminate volume migration after detecting a non-standard count field. This warning indication can be suppressed by using the NOWARNING(3690) option on the SESSION control statement.

System action:
TDMF migration of the volume continues.

Programmer response:
Contact technical support for assistance.

Problem determination:
The track address supplied in the message is the location of the track containing the first invalid count field detected by TDMF on this source volume. Addresses of all the tracks read from the source volume that contain records with invalid count fields can be found using the TDMF TSO Monitor utility function, "Detected Source Volume I/O Errors".

Detecting CSECT:
GTDIVOL

GTD3691E **Commit of Cache Fast Write updates failed.**

Explanation:
TDMF attempted to commit updates from volatile cache storage for the source volume, prior to starting a copy, refresh or synchronization phase. The Perform Subsystem Function I/O operation did not complete successfully.

System action:
TDMF migration of the volume is terminated.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDICPY

GTD3692E **An I/O error has occurred on a write cylinder operation on a duplex volume.**

Explanation:
TDMF has detected an error writing to the duplex target volume. The GTDSIO program rejected the I/O request.

System action:
TDMF migration for the volume is terminated.

Programmer response:
Check SYSLOG and EREP for specifics.

Detecting CSECT:
GTDICPY

GTD3695W **An I/O timeout condition occurred during a write to the duplex target device, *device-number*.**

Explanation:
TDMF forces a 60 second I/O timeout limit on volume operations. If the timeout condition occurs, TDMF will wait for user intervention, through the TSO or batch monitor "continue" command, before reading the current cylinder again and retrying the failing write cylinder operation.

System action:
TDMF suspends this volume migration.

User response:

Determine what caused the I/O request to time out, correct this, then use the TDMF TSO or Batch Monitor function to issue a "continue" command for the volume.

Detecting CSECT:
GTDICPY

GTD3696W **An I/O operation to the duplex target device, *device-number*, could not be started.**

Explanation:
Because of a permanent error condition on the duplex target device, IOS has rejected an I/O request.

System action:
TDMF suspends this volume migration, issuing messages GTD3556I and GTD3558A.

User response:
Determine what caused MVS to box the device and having corrected this, attempt to bring the device online again. It might be necessary to use the "UNCOND" parameter of the MVS VARY ONLINE command.

Detecting CSECT:
GTDICPY

GTD3697W **A Channel Extender equipment check occurred while writing to the duplex target device, *device-number*.**

Explanation:
TDMF detected an equipment check with sense information indicating a telecommunications error had been encountered by a channel extender.

System action:
TDMF suspends the copying of data for this volume migration.

User response:
Correct the network problem and use the TDMF TSO or Batch Monitor function to issue a "continue" command for the volume. It is also possible to continue the migration by replying to the console message GTD3558A.

Detecting CSECT:
GTDICPY

GTD3698E **I/O request rejected. Invalid parameter/function.**

Explanation:
The GTDIVOL module has rejected an I/O request for a migration volume.

System action:
TDMF migration for the volume is terminated.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDICPY

GTD3699E **I/O request rejected. Internal error.**

Explanation:
The GTDIVOL module detected an error while building the channel program for a migration volume I/O request.

System action:
TDMF migration for the volume is terminated.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDICPY

GTD3701I **Remote connection established with *rmt-sys*.**

Explanation:
This Master system and the identified REMOTE or LOCAL TDMF Master have successfully established an IP session.

System action:
TDMF execution continues.

Detecting CSECT:
GTDXSL2, GTDXSR1

GTD3702E **INITAPI error (*err-code*).**

Explanation:
While attempting to establish the environment necessary to communicate with a REMOTE or LOCAL TDMF Master system, the indicated error code was returned by an EZASMI TYPE=INITAPI macro request.

System action:
The volume migration is terminated.

Programmer response:
Determine the reason for the IP error code, take appropriate action and retry the migration. If unable to determine the cause of the error contact technical support for assistance.

Problem determination:
Error codes returned by the TCP/IP Application Programming Interface (API) for socket calls are documented in the IBM manual: *z/OS Communications Server IP Application Programming Interface Guide*.

Detecting CSECT:
GTDXSL2, GTDXSR2

GTD3707E **IP Acknowledgment buffer invalid, processing terminated.**

Explanation:

The IP Connect processor received an invalid response buffer from the remote session.

System action:
The volume migration is terminated.

Programmer response:
Examine the remote TDMF session for messages issued for this volume. If unable to determine the cause of the error contact technical support for assistance.

Detecting CSECT:
GTDXSL2, GTDXSL3

GTD3708E IP WRITE error (*err-code*).

Explanation:
The IP Connect processor received the identified IP error code from its EZASMI TYPE=WRITE macro request.

System action:
The volume migration is terminated.

Programmer response:
Determine the reason for the IP error code, take appropriate action and retry the migration. If unable to determine the cause of the error contact technical support for assistance.

Problem determination:
Error codes returned by the TCP/IP Application Programming Interface (API) for socket calls are documented in the IBM manual: *z/OS Communications Server IP Application Programming Interface Guide*.

Detecting CSECT:
GTDXSL2, GTDXSL3, GTDXSR3

GTD3709E IP READ error (*err-code*).

Explanation:
The IP Connect processor received the identified IP error code from its EZASMI TYPE=READ macro request.

System action:
The volume migration is terminated.

Programmer response:
Determine the reason for the IP error code, take appropriate action and retry the migration. If unable to determine the cause of the error contact technical support for assistance.

Problem determination:
Error codes returned by the TCP/IP Application Programming Interface (API) for socket calls are documented in the IBM manual: *z/OS Communications Server IP Application Programming Interface Guide*.

Detecting CSECT:
GTDXSL2, GTDXSL3, GTDXSR3

GTD3710E Remote IP connection closed, migration terminated.

Explanation:
While attempting to READ/WRITE from/to the remote connection, TCP/IP indicated it was closed and no further activity will be allowed to this connection.

System action:
The migration is terminated.

Programmer response:
Examine the messages for this volume on the remote system to determine what happened to the IP connection, take appropriate action and retry the migration. If unable to determine the cause of the error contact technical support for assistance.

Detecting CSECT:
GTDXSL2, GTDXSL3, GTDXSR1, GTDXSR3

GTD3711E Remote IP session canceled.

Explanation:
The TCP/IP session was canceled by the TDMF Master.

System action:
The migration is terminated.

Programmer response:
Examine the messages for this volume on the remote system to determine what happened to the IP connection, take appropriate action and retry the migration. If unable to determine the cause of the error contact technical support for assistance.

Detecting CSECT:
GTDXSL2, GTDXSL3, GTDXSR1, GTDXSR3

GTD3712E IP SHUTDOWN error (*err-code*).

Explanation:
The IP Connect processor received the identified IP error code from its EZASMI TYPE=SHUTDOWN macro request.

System action:
TCP/IP termination continues for the volume.

Programmer response:
The operation completed normally or was terminated by a previous error, no action, other than reporting its occurrence to technical support if required.

Problem determination:
Error codes returned by the TCP/IP Application Programming Interface (API) for socket calls are documented in the IBM manual: *z/OS Communications Server IP Application Programming Interface Guide*.

Detecting CSECT:
GTDXSL2, GTDXSL3, GTDXSR3

GTD3713I IP CLOSE error (*err-code*).

Explanation:

The IP Connect processor received the identified IP error code from its EZASMI TYPE=CLOSE macro request.

System action:
TCP/IP termination continues for the volume.

Problem determination:
Error codes returned by the TCP/IP Application Programming Interface (API) for socket calls are documented in the IBM manual: *z/OS Communications Server IP Application Programming Interface Guide*.

Detecting CSECT:
GTDXSL2, GTDXSL3, GTDXSR2, GTDXSR3

GTD3714E IP Remote Copy Processor ABENDed.

Explanation:
A TDMF abnormal termination recovery routine received control.

System action:
The volume migration will be terminated.

Programmer response:
Determine the cause of the abend, correct the problem if possible. If unable to diagnose or correct the problem then contact technical support.

Detecting CSECT:
GTDXSL2, GTDXSL3, GTDXSR2, GTDXSR3

GTD3715E Unsolicited IP event received (*err-code*).

Explanation:
The IP Connect processor received an unsolicited IP notification. The unsolicited event codes are documented in IBM's Communication Server: IP API guide.

System action:
Information only, notification was received during the session establish process causing it to be halted.

Programmer response:
Determine what caused TCP/IP to issue the event, take appropriate action and retry the migration. If unable to determine the cause of the event then contact technical support.

Detecting CSECT:
GTDXSL2, GTDXSL3, GTDXSR3

GTD3719E Remote volume serial mismatch. Processing terminated.

Explanation:
While processing a volume copy or compare, the remote processor discovered an error in the buffer header sent by the LOCAL system.

System action:
The Remote Copy module will terminate the volume migration.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDXSR3

GTD3725E IP connection rejected by REMOTE system.

Explanation:
The IP Connect processor received an error response from the remote session establish request.

System action:
All TCP/IP volume migrations for this REMOTE system are terminated.

Programmer response:
Examine the REMOTE session log for messages from the TCP/IP connection processor. Correct the errors and resubmit the LOCAL and REMOTE jobs. If unable to determine the cause of the error contact technical support for assistance.

Detecting CSECT:
GTDXSL2

GTD3726E IP Buffer Header invalid, processing terminated.

Explanation:
The IP Connect processor received an invalid buffer header from the remote session.

System action:
The Connect processor will terminate the remote session and return a severe error to its caller, causing the remote COPY/COMPare to be terminated.

Programmer response:
Recover the device if the TDMF recovery routines failed to do this during cleanup. Determine the cause of the invalid buffer, take appropriate action and retry the operation. If unable to determine the cause of the error contact technical support for assistance.

Detecting CSECT:
GTDXSR3

GTD3727I Stop Processing requested by LOCAL session.

Explanation:
The TDMF session sending data over a TCP/IP connection to this REMOTE TDMF session has indicated that this volume migration is complete.

System action:
The REMOTE session begins volume termination.

Detecting CSECT:
GTDXSR3

GTD3729W IP COPY operation CHECKSUM validation error.

Explanation:
The IP remote copy processor received a track of data and a checksum (generated at the sending site). After the data was received, a checksum generated using the received data indicated that the data had been damaged during transmission.

System action:
The Connect processor will request that the data be re-transmitted with a newly generated checksum.

Programmer response:
No direct action is necessary but the occurrence of this message should be reported to technical support.

Detecting CSECT:
GTDXSR3

GTD3730E Unsuccessful write operation on remote system.

Explanation:
The IP remote volume copy routine could not write a track of data that was sent by the local system. The copy process for this volume has terminated at the remote system.

System action:
The volume migration is terminated.

Programmer response:
Use the output from the remote migration job to determine the reason for this failure and respond to the messages issued by the remote system for this volume.

Detecting CSECT:
GTDXSL3

GTD3731E Migration terminated on remote system.

Explanation:
The IP remote volume copy routine has been signaled by the TDMF main task to terminate the migration.

System action:
The volume migration is terminated. A message is sent to the local (sending) system to terminate the volume migration there also.

Programmer response:
Use the output from the remote migration job to determine the reason for this failure and respond to the messages issued by the remote system for this volume.

Detecting CSECT:
GTDXSR3

GTD3735E Remote target volume too small.

Explanation:
The volume specified as the remote copy target has fewer primary cylinders than the local source volume.

System action:
The volume migration is terminated.

Programmer response:
Choose another target device at the remote location and restart the volume migration.

Detecting CSECT:
GTDXSL2

GTD3736E Termination requested by LOCAL session.

Explanation:
The TDMF session sending data over a TCP/IP connection to this REMOTE TDMF session has indicated that this volume migration has been terminated.

System action:
The REMOTE session begins volume termination.

Programmer response:
Use the messages issued for this volume by the TDMF LOCAL session to determine the reason for this volume termination. Take the necessary corrective action and restart the volume migration.

Detecting CSECT:
GTDXSR3

GTD3737I Stop IP processing requested by caller.

Explanation:
A STOP request has been received. A stop request indicates normal completion of the current IP operation.

System action:
The STOP request will be sent to the remote processor and the IP connection is severed upon the remote processor acknowledgment.

Programmer response:
No direct action is necessary.

Detecting CSECT:
GTDXSL3

GTD3738I Terminate IP processing requested by caller.

Explanation:
A Terminate request has been received. A terminate request indicates abnormal completion of the current IP operation.

System action:
The terminate request will be sent to the remote processor and the IP connection is severed upon the remote processor acknowledgment.

Programmer response:
No direct action is necessary.

Detecting CSECT:
GTDXSL3

GTD3740E Invalid command requested.

Explanation:
The copy task module (COPY or ICPY) requested an unknown/unsupported function.

System action:
The volume migration is terminated.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDXSL3

GTD3746E Connection closed by LOCAL system.

Explanation:
This REMOTE TDMF session has detected that the TCP/IP connection used to receive data for this volume has been closed.

System action:
The volume migration is terminated.

Programmer response:
Use the messages issued by the TDMF LOCAL system to determine why this connection was closed.

Detecting CSECT:
GTDXSR3

GTD3757E Unsuccessful read operation on remote system.

Explanation:
The IP remote volume copy routine could not read a track of data that was required for volume comparison. The copy and compare processor for this volume has terminated at the remote system.

System action:
The volume migration is terminated.

Programmer response:
Use the output from the remote migration job to determine the reason for this failure and respond to the messages issued by the remote system for this volume.

Detecting CSECT:
GTDXSL3

GTD3763E A failure occurred while rewriting track zero on the target device.

Explanation:
During termination of a Point-In-Time migration for this REMOTE system, an attempt to modify the VTOC pointer in the volume label on the target device was unsuccessful. The migration terminates, leaving the target device offline to this system.

System action:
The Point in Time migration is terminated on the LOCAL Master system with message GTD3730E. On this REMOTE system, the volume label may still point to the "pseudo-VTOC" on track zero.

Programmer response:
The reason for the I/O error must be understood and corrected. Attempt to examine the VTOC to determine whether the volume label had been correctly rewritten before the I/O error. If the VTOC appears empty, or "VTOC error" messages are seen, the migration will have to be retried.

Detecting CSECT:
GTDXSR3

GTD3766W Data EXPAND error. CSRCESRV return code *return-code*.

Explanation:
The REMOTE system attempted to expand a track of volume data that was compressed on the LOCAL (sending) system. The CSRCESRV data expand service rejected the request.

System action:
Data compression is discontinued for this volume migration. The LOCAL system is signalled to resend the current track.

Programmer response:
Use the CSRCESRV return code to determine why the transmitted data could not be expanded on this system. Contact technical support for assistance.

Detecting CSECT:
GTDXSR3

GTD3768E IP TAKESOCKET error (*err-code*).

Explanation:
While attempting to establish the environment necessary to communicate, via TCP/IP, the identified IP error code was received from a EZASMI TYPE=TAKESOCKET macro request.

System action:
The volume migration is terminated.

Programmer response:
Ensure the volume is correctly terminated on both sessions (LOCAL and REMOTE). Use the provided error code to determine the cause of the TCP/IP error, take appropriate action and retry the migration. If unable to determine the cause of the error contact technical support for assistance.

Problem determination:
Error codes returned by the TCP/IP Application Programming Interface (API) for socket calls are

documented in the IBM manual: z/OS Communications Server IP Application Programming Interface Guide.

Detecting CSECT:
GTDXSL2, GTDXSR2

GTD3769W **The characteristics of the remote target device do not match the VTOC.**

Explanation

The number of alternate cylinders (DS4DEVAC) or the number of alternate tracks (DS4NOATK) extracted from the Volume Table of Contents (VTOC) on the source volume is incompatible with the physical characteristics of the target device on the remote system.

This warning indication can be suppressed by using the NOWARNING(3769) option on the SESSION control statement.

System action:
TDMF continues normally.

User response:
An ICKDSF"REFORMAT REFVTOC" should be performed on the target device at the remote system as soon as possible after completion of the migration. See the *IBM Transparent Data Migration Facility for z/OS Reference Guide* for more details.

Detecting CSECT:
GTDXSL2

GTD3770E **The source and remote target volumes requested for a migration are different DASD types.**

Explanation:
After connecting for a TCP/IP migration session, TDMF has determined from their Device Characteristics that the source and target volumes are different DASD types.

System action:
This volume migration is terminated.

Programmer response:
Choose a different target device and resubmit migration jobs for this volume.

Detecting CSECT:
GTDXSL2

GTD3771W **The devices involved contain a different number of primary cylinders.**

Explanation

At initial contact with the remote system for this TCP/IP volume migration, it has been determined that the target device for this volume at the remote system contains a greater number of primary cylinders. In order to enable allocation of data upon these additional cylinders, and also to resolve any mismatch between the number of alternate cylinders/tracks as found in the VTOC and the number on the physical device, the execution of ICKDSF "REFORMAT" with either the "REFVTOC" or "EXTVTOC" parameter is recommended. This warning indication can be suppressed by using the

NOWARNING(3771) option on the SESSION control statement.

System action:
TDMF continues normally.

User response:
See the *IBM Transparent Data Migration Facility for z/OS Reference Guide* for more details.

Detecting CSECT:
GTDXSL2

GTD3772W **FASTCOPY option suppressed for this volume, reason code: *reason-code*.**

Explanation

A discrepancy, as described by reason code, was found while processing the VTOC or VTOC Index. The allocated tracks cannot accurately be determined. The reason code in the message has the following possible meanings:

01 Volume has non-standard OS VTOC.
02 Error detected in VPSM (VTOCIX).
03 VRBM exceeded.
04 VTOCIX/LSPACE used track mismatch.
05 VTOC/LSPACE used track mismatch.

The FASTCOPY option was specified or defaulted for this volume, but it is being suppressed because the allocated tracks cannot be accurately determined from the VTOC/VTOCIX. This condition may be due to, for example, defrag utilities processing the volume while TDMF is active.

This warning indication can be suppressed by using the NOWARNING(1185) option on the SESSION control statement. In this case, the message is issued for informational purposes as message GTD3374I.

System action:
Full volume copy continues.

Detecting CSECT:
GTDCSEL

GTD3773E **LSPACE error on volume *volser*, reason code: *reason-code*.**

Explanation:

LSPACE macro was issued for the volume indicated and did not complete successfully, returning the error reason code displayed in the message. See the "DADSM/CVAF Diagnostic Aids" section of the *IBM z/OS DFSMSdfp Diagnosis Manual* for a description of this error. This message is accompanied by message GTD3815E.

System action:
Volume migration/replication terminates.

Detecting CSECT:
GTDCSEL

GTD3774I FASTCOPY option suppressed for this volume, reason code: *reason-code*.

Explanation

A discrepancy, as described by reason code, was found while processing the VTOC or VTOC Index. The allocated tracks cannot accurately be determined. The reason code in the message has the following possible meanings:

01 Volume has non-standard OS VTOC.
02 Error detected in VPSM (VTOCIX).
03 VRBM exceeded.
04 VTOCIX/LSPACE used track mismatch.
05 VTOC/LSPACE used track mismatch.

The FASTCOPY option was specified or defaulted for this volume, but it is being suppressed because the allocated tracks cannot be accurately determined from the VTOC/VTOCIX. This condition may be due to, for example, defrag utilities processing the volume while TDMF is active. This informational message is issued instead of GTD3772W as a result of the NOWARNING(1185) option on the SESSION control statement.

System action:
Full volume copy continues.

Detecting CSECT:
GTDCSEL

GTD3775I The source volume does not contain a VTOC index.

Explanation:
TDMF has determined that the source volume does not contain a VTOC index dataset.

System action:
ICKDSF will process the volume as non-indexed. No VTOCIX dataset will be built on the volume.

Detecting CSECT:
GTDCSEL

GTD3776I The source volume contains a disabled VTOC index.

Explanation:
TDMF has determined that the source volume contains a VTOC index dataset, but that this has been flagged as disabled and the volume is currently non-indexed (OSVTOC).

System action:
ICKDSF will be invoked to rebuild the volume index (IXVTOC) before processing the "REFORMAT REFVTOC" function.

Problem determination:
The DS4DVTOC flag is set for the volume.

Detecting CSECT:
GTDCSEL

GTD3777I The source volume contains a valid indexed VTOC.

Explanation:
TDMF has determined that the source volume contains a valid indexed VTOC.

System action:
ICKDSF "REFORMAT REFVTOC" processing will rebuild the VTOC and VTOC index for the volume.

Problem determination:
The DS4DOSBT and DS4IVTOC flags are set for the volume. The DS4DVTOC flag is not set.

Detecting CSECT:
GTDCSEL

GTD3778I The source volume contains an indexed VTOC that is not in use.

Explanation:
TDMF has determined that the source volume contains a VTOC index dataset, but that the volume is currently non-indexed (OSVTOC).

System action:
ICKDSF will delete the VTOC index dataset prior to "REFORMAT REFVTOC" processing (OSVTOC).

Problem determination:
The DS4DOSBT and DS4IVTOC flags are not both set for the volume.

Detecting CSECT:
GTDCSEL

GTD3779W The source volume contains an indexed VTOC that is not in use.

Explanation:
TDMF has determined that the source volume contains a VTOC index dataset but that the volume, which is under SMS control, is currently non-indexed (OSVTOC). Because this is an SMS controlled volume, the absence of a valid VTOC index is considered to be an error condition that ICKDSF must immediately correct.

System action:
ICKDSF will be invoked to rebuild the volume index (IXVTOC) before processing the "REFORMAT REFVTOC" function.

Problem determination:
The DS4DOSBT and DS4IVTOC flags are not both set for the volume. The DS4SMS flag is set.

Detecting CSECT:
GTDCSEL

GTD3780I **Successful migration of datasets from *volser*.**

Explanation:
The TDMF copy task has successfully completed Dataset Level Migration processing for this source volume.

Detecting CSECT:
GTDCOPY .config m3780 off

GTD3790W **TCP/IP transmission error encountered (*message/error-code*).**

Explanation
The IP data transmission service has detected an error condition while writing to the REMOTE session or reading an acknowledgment, and TDMF will attempt to reconnect to the REMOTE session for this volume.

The message contains the message number and API error code relating to the failed read or write request.

System action:
Volume migration will be suspended until the TCP/IP connection can be reestablished.

Detecting CSECT:
GTDXSL3

GTD3791E **TCP/IP reconnection was unsuccessful.**

Explanation:
The IP connect processor could not establish a new connection to the TDMF REMOTE session for this volume within the time allowed.

System action:
Volume migration is terminated.

Detecting CSECT:
GTDCOPY

GTD3792W **TCP/IP transmission error encountered.**

Explanation:
The IP data transmission service has detected an error condition while reading from the LOCAL session or writing an acknowledgment.

System action:
Volume migration will be suspended until the TCP/IP connection can be reestablished by the TDMF LOCAL session.

Detecting CSECT:
GTDXSR3

GTD3793E **TCP/IP reconnection was unsuccessful.**

Explanation:
The IP connection server terminated without accepting a connection from the TDMF LOCAL session for this volume, or no connection was attempted within the time allowed.

System action:
Volume migration is terminated.

Detecting CSECT:
GTDXSR2

GTD3794I **Dataset changed flags have been reset on source volume.**

Explanation:
The"RESETCHANGEDFLAG" option was requested for this volume. TDMF has reset all the DS1DSCHA flags on the source volume.

System action:
The volume becomes eligible for OVA processing.

Detecting CSECT:
GTDCSEL

GTD3796E **Error reading source VTOC for DS1DSCHA processing.**

Explanation:
The "RESETCHANGEDFLAG" option was requested for this volume. TDMF is attempting to reset the DS1DSCHA flags for datasets on the source volume, but an I/O error occurred when accessing the VTOC.

System action:
TDMF will attempt to correct the DS1DSCHA flags before the volume is terminated.

User response:
Because the status of the DS1DSCHA flags in the VTOC is indeterminate, it is advisable to take a full backup of this volume.

Detecting CSECT:
GTDCSEL

GTD3797E **Error writing source VTOC for DS1DSCHA processing.**

Explanation:
The "RESETCHANGEDFLAG" option was requested for this volume. TDMF is attempting to set the DS1DSCHA flags for datasets on the source volume. An I/O error occurred when updating the VTOC.

System action:
The volume is terminated.

User response:
Because the status of the DS1DSCHA flags in the VTOC is indeterminate, it is advisable to take a full backup of this volume.

Detecting CSECT:
GTDCSEL

GTD3799I Attempting to terminate ICKDSF processing.

Explanation:
Since control was passed to ICKDSF, a hang condition - either an ENQ lockout or a device "start pending" condition appears to have occurred.

System action:
TDMF will attempt to abnormally terminate the ICKDSF program, so that the ENQ resources it holds can be released.

User response:
The ICKDSF REFVTOC or EXTVTOC processing that was interrupted should be executed in a separate job.

Detecting CSECT:
GTDCSEL

GTD3800E ANTRQST REQUEST=XDEL Macro failed. Return code: *return-code*.

Explanation:
For a volume with the "XRCVolume" option specified, TDMF was unable to delete the existing XRC volume pair prior to the volume swap.

System action:
The volume migration is terminated.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDRTNM

GTD3801W ANTRQST REQUEST=XADD Macro failed. Return code: *return-code*.

Explanation:
For a volume with the "XRCVolume" option specified, TDMF was unable to add the target volume to an existing XRC session after the volume swap.

System action:
The volume migration continues to the resume phase.

User response:
Attempt to reestablish the XRC session for the volume by issuing the XADDPAIR TSO command.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDRTNM

GTD3802I Volume *source-volser* successfully removed from XRC session *XRC-session*.

Explanation:
For a volume with the "XRCVolume" option specified, TDMF has temporarily broken the XRC session for the source volume.

System action:
The volume migration continues to the swap phase.

Detecting CSECT:
GTDRTNM

GTD3803I Volumes *source-volser* and *secondary-volser* successfully added to XRC session.

Explanation:
For a volume with the "XRCVolume" option specified, TDMF has reestablished the XRC session after the swap, with the migration target device and the original XRC secondary volume.

System action:
The volume migration continues to the resume phase.

Detecting CSECT:
GTDRTNM

GTD3804I Volume *target-volser* successfully removed from XRC session *XRC-session*.

Explanation:
For a volume with the "XRCVolume" option specified, TDMF has temporarily broken the XRC session for the target volume.

System action:
The volume migration continues to the swap phase.

Detecting CSECT:
GTDRTNM

GTD3805I XRC session for volumes *target-volser* and *secondary-volser* successfully restarted.

Explanation:
For a volume with the "XRCVolume" option specified, TDMF has reestablished the XRC session after a swap failure.

System action:
The volume migration continues to the resume phase.

Detecting CSECT:
GTDRTNM

GTD3806W Error detected in XRC processing for volume.

Explanation:

During an XDELPAIR operation, the TDMF I/O Monitor detected that the storage controller did not successfully complete the volume withdraw function. This will not have any effect on the integrity of the migration - but the storage controller might continue to monitor updates to the volume and would, for example, prevent it being configured as a FlashCopy target.

System action:
The volume migration continues.

User response:
Use XRC commands to completely remove the volume from XRC control.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDRTNM

GTD3810E This volume pair is connected to an unidentified system.

Explanation:
The pair's logical path or QHA data contains a System Host identifier which does not match either the Master or any Agent system identified to TDMF in the SESSION control statement. Because the user specified OPT(UNIDENTIFIEDSYSTEMS(TERM)), the Copy task is requesting volume termination. This system was not found in the logical path data when the migration session was initialized.

System action:
The volume migration is terminated.

User response:
Determine which newly IPLed system(s) has access to this migration volume and restart the migration with a TDMF Agent job specified for, and executing on, the new system.

Problem determination:
TDMF will attempt to identify the newly and unidentified system(s), if there is sufficient space in the message block for the volume, by issuing message GTD3811I for each unidentified system.

Detecting CSECT:
GTDCOPY

GTD3811I *cpu-serial cpu-type IPL-tod*.

Explanation:
This message is issued for each unidentified system that appears to have established a logical path to the volume pair since the start of the migration. The message has the same format as GTD2382I.

System action:
The volume migration is terminated.

Detecting CSECT:
GTDCOPY

GTD3820W Error acquiring 64-bit virtual storage. Return code: *return-code*, reason code: *reason-code*.

Explanation:
TDMF is attempting to build a map of the dataset extents on the source volume, to determine whether extending the Volume Table of Contents is possible. An IARV64 REQUEST=GETSTOR macro to obtain memory objects for this map set a non-zero return code.

System action:
TDMF attempts to acquire storage in the 31-bit extended private area for the VTOC and extent maps.

User response:
Consider setting the MEMLIMIT=NOLIMIT, or REGION=0M parameter on the Job statement for the TDMF Master job.

Problem determination:
For return code eight, the reason codes are as documented for Abend SDC2 in the z/OS MVS System Codes manual.

Detecting CSECT:
GTDRTNC

GTD3821E Error acquiring 31-bit virtual storage. Return code: *return-code*.

Explanation:
TDMF is attempting to build a map of the dataset extents on the source volume, to determine whether extending the Volume Table of Contents is possible. A STORAGE OBTAIN macro to obtain virtual storage for this map set a non-zero return code. A previous attempt to acquire 64-bit memory objects for this function was also unsuccessful.

System action:
The volume migration is terminated.

User response:
Consider setting the MEMLIMIT=NOLIMIT, or REGION=0M parameter on the Job statement for the TDMF Master job.

Detecting CSECT:
GTDRTNC

GTD3822E Error reading the VTOC. Return code: *return-code*, reason code: *reason-code*.

Explanation:
TDMF is attempting to build a map of the dataset extents on the source volume, to determine whether extending the Volume Table of Contents is possible. An attempt to read a track from the VTOC was unsuccessful.

System action:

The volume migration is terminated.

Detecting CSECT:
GTDRTNC

GTD3823E Error building the extent map.

Explanation:
TDMF is attempting to build a map of the dataset extents on the source volume, to determine whether extending the Volume Table of Contents is possible. Insufficient storage was acquired to build the map. Probable program error.

System action:
The volume migration is terminated.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDRTNC

GTD3824I Relocated dataset extent (*quantity* tracks).

Explanation:
TDMF has relocated a dataset extent in order to make room on the source volume for the requested VTOC expansion.

System action:
The volume migration continues.

Detecting CSECT:
GTDRTNC

GTD3825W VTOC expansion blocked by dataset: *dataset-name* (reason code *reason-code*).

Explanation
TDMF is attempting to relocate dataset extents to make room on the source volume for the requested VTOC expansion. Movement of an extent for the specified dataset could not be performed. The reason code can be one of the following:

00 Unable to extract VSAM cluster name from VVDS.
04 Dataset is unmovable or is the VVDS.
08 Dataset is currently in use.
0C The VTOC index is not valid.
10 I/O operation failed on source (read).
14 I/O operation failed on source (write).
18 I/O operation failed on target (write).
1C CVAFDIR macro error.
20 CVAFVSM macro error (read).
24 Unusable free space area returned by CVAFVSM.
28 CVAFVSM macro error (write).
2C Blocking extent not found in dataset's DSCB.
30 Media Manager error (write)
34 Media Manager returned invalid VVR.
38 Media Manager returned invalid VVR.
3C Extent not found in VVR volume cell.
40 CVAFVSM macro error (RLSE).

System action:
The volume migration will be terminated if the unconditional VTOC expansion option was requested.

Detecting CSECT:
GTDRTNC

GTD3826E Unable to extend Volume Table of Contents to requested size. Limit is *tracks* tracks.

Explanation:
TDMF has detected that the requested VTOC expansion is not currently possible for this source volume. A dataset extent is allocated on the volume at a location that would be occupied by the extended VTOC - and either the FORCE parameter was not supplied for the EXTVTOC option, or the dataset blocking the VTOC expansion is considered to be unmovable. Because the VTOC expansion was requested unconditionally, TDMF has terminated the migration.

System action:
The volume migration terminates.

User response:
Attempt to move the dataset associated with this error and restart or resubmit the migration. If the blocking dataset(s) cannot be moved from the volume, the migration will need to be resubmitted without the UNCOND parameter.

Problem determination:
If the FORCE parameter was specified with the EXTVTOC option, the dataset name and failure reason code can be found in the associated GTD3825W message.

Detecting CSECT:
GTDCOPY

GTD3827E Unable to extend Volume Table of Contents to requested size. Limit is *tracks* tracks.

Explanation:
TDMF has detected that a dataset extent has been allocated on the source volume, after the decision to begin synchronization had been taken, and this extent would block the VTOC expansion requested with the EXTVTOC option. Because the VTOC expansion was requested unconditionally, TDMF has terminated the migration.

System action:
The volume migration terminates.

User response:
If the FORCE parameter was also specified for the volume, it might be worthwhile to reinitialize the volume (or resubmit the migration job), so that TDMF can attempt to relocate the dataset that is blocking the VTOC expansion. Otherwise, use GTDEXTV to determine which dataset is blocking the VTOC expansion and attempt to remove it from the source volume. If the blocking dataset(s) cannot be moved from the volume, the migration will need to be resubmitted without the UNCOND parameter.

Detecting CSECT:
GTDCOPY

GTD3828I Relocated extent (*quantity* tracks) for dataset *dataset-name*.

Explanation:
TDMF has relocated a dataset extent in order to make room on the source volume for the requested VTOC expansion.

System action:
The volume migration continues.

Detecting CSECT:
GTDRTNC

GTD3829E Copy task abended (*abend-code*) when building VTOC map.

Explanation:
TDMF is attempting to build a map of the dataset extents on the source volume, to determine whether extending the Volume Table of Contents is possible. This processing was abended.

System action:
The volume migration is terminated.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDRTNC

GTD3830E Copy task abended (*abend-code*) while moving a dataset.

Explanation:
TDMF is attempting to free space on the volume for VTOC expansion. An abend has occurred during this processing.

System action:
The volume migration is terminated.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDRTNC

GTD3831E Unable to extend VTOC Index to required size.

Explanation:
TDMF has detected that the installed version of the ICKDSF program will not automatically reallocate and expand the volume's VTOC index during REFORMAT REFVTOC processing, and that there is insufficient space in the VTOC index for the additional bitmaps required to map the larger target device's allocated space. TDMF would usually request a one track VTOC expansion in this situation, but this is impossible on this volume as the track adjacent to the VTOC is allocated to a dataset. Because the UNCONDITIONAL parameter was specified on the EXTVTOC option for this volume, TDMF must terminate the migration.

System action:
The volume migration terminates.

User response:
Install the PTF level of ICKDSF that supports Dynamic Volume Expansion (DVE) and rerun the migration. Otherwise, use GTDEXTV to determine which dataset is blocking the VTOC expansion and attempt to remove it from the source volume.

Detecting CSECT:
GTDCOPY

GTD3832W TCP/IP SELECT request failed: *error-code*.

Explanation:
The IP data transmission service has detected an error condition while attempting to determine whether there is an acknowledgment pending for this volume. The message contains the API error code returned for the TYPE=SELECT request.

System action:
Volume migration continues, but TDMF will now require an acknowledgment for every cylinder that is sent to the REMOTE system. This might cause the migration to run more slowly.

Detecting CSECT:
GTDXSL3

GTD4001S Invalid number of closing brackets on the *statement* statement.

Explanation:
The number of opening and closing parentheses on the control statement are not equal, or a closing parenthesis is misplaced.

System action:
Control statement analysis is abandoned and the TDMF Master job terminates.

User response:
Correct the control statement and resubmit the Master job. See the *IBM Transparent Data Migration Facility for z/OS Reference Guide* for more details.

Detecting CSECT:

GTDRMST

GTD4002S Number of AGENT systems exceeds maximum allowed.

Explanation:
More than 63 participating Agent systems were requested on the SESSION control statement.

System action:
Control statement analysis is abandoned and the TDMF Master job terminates.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDRMST

GTD4003S Number of migration volumes exceeds maximum allowed.

Explanation:
More than 512 MIGRATE and/or REPLICATE control statements were supplied in this TDMF Master job.

System action:
Control statement analysis is abandoned and the TDMF Master job terminates.

User response:
See the *IBM Transparent Data Migration Facility for z/OS Reference Guide* for more details.

Detecting CSECT:
GTDRMST

GTD4004S Unrecognized keyword on *statement* statement: *parameter*.

Explanation:
While scanning a control statement, an unrecognized keyword or option was encountered.

System action:
Control statement analysis is abandoned and the TDMF Master job terminates.

User response:
Correct the control statement and resubmit the Master job. See the *IBM Transparent Data Migration Facility for z/OS Reference Guide* for more details.

Detecting CSECT:
GTDRMST

GTD4005S Unexpected parenthesis found in *parameter* parameter on *statement* statement.

Explanation:
While scanning a control statement, a parameter was found that appears to contain a subparameter. This construction is not supported by TDMF.

System action:
Control statement analysis is abandoned and the TDMF Master job terminates.

User response:
Correct the control statement and resubmit the Master job. See the *IBM Transparent Data Migration Facility for z/OS Reference Guide* for more details.

Detecting CSECT:
GTDRMST

GTD4006S The SESSION statement is incomplete.

Explanation:
The SESSION control statement does not contain a Master system identifier.

System action:
Control statement analysis is abandoned and the TDMF Master job terminates.

User response:
Correct the SESSION control statement and resubmit the TDMF Master job. See the *IBM Transparent Data Migration Facility for z/OS Reference Guide* for more details.

Detecting CSECT:
GTDRMST

GTD4007S The REMOTE statement is incomplete.

Explanation:
The REMOTE control statement does not contain both a TCP/IP remote system address and a port number.

System action:
Control statement analysis is abandoned and the TDMF Master job terminates.

User response:
Correct the REMOTE control statement and resubmit the TDMF Master job. See the *IBM Transparent Data Migration Facility for z/OS Reference Guide* for more details.

Detecting CSECT:
GTDRMST

GTD4008S The MIGRATE statement is incomplete.

Explanation:
The MIGRATE control statement does not contain a target volume serial number.

System action:
Control statement analysis is abandoned and the TDMF Master job terminates.

User response:
Correct the MIGRATE control statement and resubmit the TDMF Master job. See the *IBM Transparent Data*

Migration Facility for z/OS Reference Guide for more details.

Detecting CSECT:
GTDRMST

GTD4009S The REPLICATE statement is incomplete.

Explanation:
The REPLICATE control statement does not contain a target volume serial number.

System action:
Control statement analysis is abandoned and the TDMF Master job terminates.

User response:
Correct the REPLICATE control statement and resubmit the TDMF Master job. See the *IBM Transparent Data Migration Facility for z/OS Reference Guide* for more details.

Detecting CSECT:
GTDRMST

GTD4010S Unrecognized parameter on the SESSION statement: *parameter*.

Explanation:
The SESSION control statement contains information that is neither a valid parameter nor session name.

System action:
Control statement analysis is abandoned and the TDMF Master job terminates.

User response:
Correct the SESSION control statement and resubmit the TDMF Master job. See the *IBM Transparent Data Migration Facility for z/OS Reference Guide* for more details.

Detecting CSECT:
GTDRMST

GTD4011S Duplicate parameter specification on the SESSION statement: *parameter*.

Explanation:
A parameter on the SESSION control statement was specified twice.

System action:
Control statement analysis is abandoned and the TDMF Master job terminates.

User response:
Correct the SESSION control statement and resubmit the TDMF Master job. See the *IBM Transparent Data Migration Facility for z/OS Reference Guide* for more details.

Detecting CSECT:
GTDRMST

GTD4012S Invalid parameter specification on the SESSION statement: *parameter*.

Explanation:
A parameter on the SESSION control statement is incorrectly specified. Either a required operand is omitted or too many operands are provided.

System action:
Control statement analysis is abandoned and the TDMF Master job terminates.

User response:
Correct the SESSION control statement and resubmit the TDMF Master job. See the *IBM Transparent Data Migration Facility for z/OS Reference Guide* for more details.

Detecting CSECT:
GTDRMST

GTD4013S Duplicate system names provided on the SESSION statement: *SMF-id*.

Explanation:
A system SMF identifier was specified twice in the list of Agent systems, or an Agent system id is equal to that specified for the Master.

System action:
Control statement analysis is abandoned and the TDMF Master job terminates.

User response:
Correct the SESSION control statement and resubmit the TDMF Master job. See the *IBM Transparent Data Migration Facility for z/OS Reference Guide* for more details.

Detecting CSECT:
GTDRMST

GTD4014S The Communications Dataset name is invalid in the SESSION statement.

Explanation:
The SYSCOM parameter does not specify a valid dataset name.

System action:
Control statement analysis is abandoned and the TDMF Master job terminates.

User response:
Correct the SESSION control statement and resubmit the TDMF Master job. See the *IBM Transparent Data Migration Facility for z/OS Reference Guide* for more details.

Detecting CSECT:
GTDRMST

GTD4015S **Unrecognized option specified on the SESSION statement: *parameter*.**

Explanation:
A word supplied in the options list for the SESSION control statement could not be matched in the option keywords table.

System action:
Control statement analysis is abandoned and the TDMF Master job terminates.

User response:
Correct the SESSION control statement and resubmit the TDMF Master job. See the *IBM Transparent Data Migration Facility for z/OS Reference Guide* for more details.

Detecting CSECT:
GTDRMST

GTD4016S **Invalid specification of the TIME option.**

Explanation:
The TIME option on the SESSION control statement must specify either LOCAL or TOD.

System action:
Control statement analysis is abandoned and the TDMF Master job terminates.

User response:
Correct the SESSION control statement and resubmit the TDMF Master job. See the *IBM Transparent Data Migration Facility for z/OS Reference Guide* for more details.

Detecting CSECT:
GTDRMST

GTD4017S **Invalid specification of the PACING option.**

Explanation:
The PACING option on the SESSION control statement must specify either NORMAL or REVERSE.

System action:
Control statement analysis is abandoned and the TDMF Master job terminates.

User response:
Correct the SESSION control statement and resubmit the TDMF Master job. See the *IBM Transparent Data Migration Facility for z/OS Reference Guide* for more details.

Detecting CSECT:
GTDRMST

GTD4018S **Invalid specification of the MASTER parameter.**

Explanation:
The MASTER parameter on the SESSION control statement must specify a single one to four character system (SMF) identifier.

System action:
Control statement analysis is abandoned and the TDMF Master job terminates.

User response:
Correct the SESSION control statement and resubmit the TDMF Master job. See the *IBM Transparent Data Migration Facility for z/OS Reference Guide* for more details.

Detecting CSECT:
GTDRMST

GTD4019S **Invalid specification of the AGENT parameter.**

Explanation:
The AGENT parameter on the SESSION control statement must specify a list of one to four character system (SMF) identifiers.

System action:
Control statement analysis is abandoned and the TDMF Master job terminates.

User response:
Correct the SESSION control statement and resubmit the TDMF Master job. See the *IBM Transparent Data Migration Facility for z/OS Reference Guide* for more details.

Detecting CSECT:
GTDRMST

GTD4020S **Invalid specification of the SNAP parameter.**

Explanation:
The SNAP parameter on the SESSION control statement must specify a four character string made up of the letters "N" and "Y".

System action:
Control statement analysis is abandoned and the TDMF Master job terminates.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDRMST

GTD4021I **Master system is *SMF-id*.**

Explanation:
This message prints the Master system identifier that was extracted from the SESSION control statement.

Detecting CSECT:

GTD4022I **Agent system *SMF-id* will participate.**

Explanation:
This message prints each Agent system identifier that was extracted from the SESSION control statement.

Detecting CSECT:

GTD4023S **Session PASSWORD invalid on LOCAL system.**

Explanation:
The user has specified a TCP/IP connection password on the SESSION control statement. This parameter is only required on the REMOTE TDMF session. For a LOCAL session the TCP/IP connection password (if required) is specified on the REMOTE control statement.

System action:
TDMF execution is terminated.

User response:
Correct the control statements and resubmit the LOCAL Master job. See the *IBM Transparent Data Migration Facility for z/OS Reference Guide* for more information.

Detecting CSECT:
GTDRMST

GTD4024S **Invalid specification of the PASSWORD parameter.**

Explanation:
The PASSWORD parameter on the SESSION control statement must specify a single one to eight character alphanumeric password.

System action:
Control statement analysis is abandoned and the TDMF REMOTE Master job terminates.

User response:
Correct the SESSION control statement and resubmit the TDMF REMOTE Master job. See the *IBM Transparent Data Migration Facility for z/OS Reference Guide* for more details.

Detecting CSECT:
GTDRMST

GTD4025S **TCP/IP Password mismatch.**

Explanation:
The SESSION control statement in this TCP/IP REMOTE Master job does not contain a password matching that specified in the LOCAL Master job's OPTIONS or REMOTE control statement.

System action:
TDMF execution is terminated.

User response:
Terminate the LOCAL job, correct the control statements and resubmit both Master jobs. See the *IBM Transparent Data Migration Facility for z/OS Reference Guide* for more information.

Detecting CSECT:
GTDRMST

GTD4026S **No volumes specified for session.**

Explanation:
End of file was encountered for the input control statement file before any volume MIGRATE or REPLICATE statements could be processed.

System action:
Control statement analysis is abandoned and the TDMF Master job terminates.

User response

Correct the input control statements and resubmit the TDMF Master job.

TDMF requires specification of from one to 64 MIGRATE or REPLICATE control statements in a LOCAL Master job. A REMOTE Master job is identified by the presence of a port number in the execution parameters. See the *IBM Transparent Data Migration Facility for z/OS Reference Guide* for more details.

Detecting CSECT:
GTDRMST

GTD4027S **Invalid specification of the TRACE parameter.**

Explanation:
The TRACE parameter on the SESSION control statement must specify an alphanumeric string representing 16 hexadecimal digits (0 through 9, A through F).

System action:
Control statement analysis is abandoned and the TDMF Master job terminates.

User response:
Correct the SESSION control statement and resubmit the TDMF Master job.

Detecting CSECT:
GTDRMST

GTD4028S **Duplicate option specification: *parameter*.**

Explanation:
An option was specified twice.

System action:
Control statement analysis is abandoned and the TDMF Master job terminates.

User response:

Correct the failing control statement and resubmit the TDMF Master job. See the *IBM Transparent Data Migration Facility for z/OS Reference Guide* for more details.

Detecting CSECT:
GTDRMST

GTD4029S Invalid option specification: *parameter*.

Explanation:
An item in the options list was incorrectly specified. Either a required operand is omitted or too many operands are provided.

System action:
Control statement analysis is abandoned and the TDMF Master job terminates.

User response:
Correct the failing control statement and resubmit the TDMF Master job. See the *IBM Transparent Data Migration Facility for z/OS Reference Guide* for more details.

Detecting CSECT:
GTDRMST

GTD4030S REMOTE statement not valid.

Explanation:
This TDMF Master job is executing as the receiving system for a TCP/IP replication. The REMOTE control statement is meaningless in this case, and must not be supplied.

System action:
Control statement analysis is abandoned and the TDMF Master job terminates.

User response:
Remove the REMOTE control statement and resubmit the TDMF Master job. See the *IBM Transparent Data Migration Facility for z/OS Reference Guide* for more details.

Detecting CSECT:
GTDRMST

GTD4031S REMOTE statement out of place.

Explanation:
The REMOTE control statement must precede all GROUP, MIGRATE and REPLICATE statements.

System action:
Control statement analysis is abandoned and the TDMF Master job terminates.

User response:
Change the order of the input control statements so that the REMOTE statement immediately follows the SESSION statement and resubmit the TDMF Master job. See the *IBM Transparent Data Migration Facility for z/OS Reference Guide* for more details.

Detecting CSECT:
GTDRMST

GTD4032S REMOTE system name not specified.

Explanation:
The first parameter on the REMOTE control statement must be a system name of one to eight characters.

System action:
Control statement analysis is abandoned and the TDMF Master job terminates.

User response:
Change the order of the input control statements so that the REMOTE statement immediately follows the SESSION statement and resubmit the TDMF Master job. See the *IBM Transparent Data Migration Facility for z/OS Reference Guide* for more details.

Detecting CSECT:
GTDRMST

GTD4033S Unidentified parameter on REMOTE statement: *string*.

Explanation:
The REMOTE control statement contains information that is not recognized as a valid parameter.

System action:
Control statement analysis is abandoned and the TDMF Master job terminates.

User response:
Correct the specification of parameters for this REMOTE statement and resubmit the TDMF Master job. See the *IBM Transparent Data Migration Facility for z/OS Reference Guide* for more details.

Detecting CSECT:
GTDRMST

GTD4036S Invalid PORT number on REMOTE statement.

Explanation

The REMOTE control statement contains a PORT number which is incorrectly specified for one of the following reasons:

1 The supplied value is non-numeric.
2 The PORT number exceeds 65,534.

System action:
Control statement analysis is abandoned and the TDMF Master job terminates.

User response:

Correct the specification of the PORT number in this REMOTE statement and resubmit the TDMF Master job. See the *IBM Transparent Data Migration Facility for z/OS Reference Guide* for more details.

Detecting CSECT:
GTDRMST

GTD4037S Duplicate parameter specification on the REMOTE statement: *parameter*.

Explanation:
A parameter on the REMOTE control statement was specified twice.

System action:
Control statement analysis is abandoned and the TDMF Master job terminates.

User response:
Correct the REMOTE control statement and resubmit the TDMF Master job. See the *IBM Transparent Data Migration Facility for z/OS Reference Guide* for more details.

Detecting CSECT:
GTDRMST

GTD4038S Invalid parameter specification on the REMOTE statement: *parameter*.

Explanation:
A parameter on the REMOTE control statement is incorrectly specified. Either a required operand is omitted, too many operands are provided or the operands exceed the maximum permitted length.

System action:
Control statement analysis is abandoned and the TDMF Master job terminates.

User response:
Correct the REMOTE control statement and resubmit the TDMF Master job. See the *IBM Transparent Data Migration Facility for z/OS Reference Guide* for more details.

Detecting CSECT:
GTDRMST

GTD4039S Invalid PASSWORD specification on the REMOTE statement: *parameter*.

Explanation:
A password provided on the REMOTE control statement is incorrectly specified. It must contain up to eight alphanumeric characters.

System action:
Control statement analysis is abandoned and the TDMF Master job terminates.

User response:
Correct the REMOTE control statement and resubmit the TDMF Master job. See the *IBM Transparent Data Migration Facility for z/OS Reference Guide* for more details.

Detecting CSECT:
GTDRMST

GTD4040S Control statement invalid on REMOTE system.

Explanation:
The user has started a TCP/IP REMOTE Master job that contains control statements other than SESSION. For a TCP/IP migration, REMOTE, GROUP and REPLICATE statements are processed by the LOCAL system and must not be specified in the REMOTE job's input stream.

System action:
TDMF execution is terminated.

User response:
Terminate the LOCAL job, correct the control statements and resubmit both Master jobs. See the *IBM Transparent Data Migration Facility for z/OS Reference Guide* for more information.

Detecting CSECT:
GTDRMST

GTD4041S Invalid specification of the REMOTE system.

Explanation:
The REMOTE system on the GROUP or REPLICATE statement must specify a single REMOTE system name, of up to eight characters.

System action:
Control statement analysis is abandoned and the TDMF Master job terminates.

User response:
Correct this control statement and resubmit the TDMF LOCAL Master job. See the *IBM Transparent Data Migration Facility for z/OS Reference Guide* for more details.

Detecting CSECT:
GTDRMST

GTD4042S Unrecognized REMOTE system.

Explanation:
The REMOTE system provided on this GROUP or REPLICATE control statement has not been defined to the TDMF session.

System action:
Control statement analysis is abandoned and the TDMF Master job terminates.

User response:

Correct this control statement, or add the required REMOTE control statement immediately following the SESSION statement, and resubmit the TDMF LOCAL Master job. See the *IBM Transparent Data Migration Facility for z/OS Reference Guide* for more details.

Detecting CSECT:
GTDRMST

GTD4043S The TCP/IP migration type is not available.

Explanation:
The user has requested a TCP/IP migration session, by supplying a REMOTE control statement, but this system is running with a limited TDMF license and TCP/IP migrations are not allowed.

System action:
TDMF execution is terminated.

Detecting CSECT:
GTDRMST

GTD4044S Unrecognized option specified on the REMOTE statement: *parameter*.

Explanation:
A word supplied in the options list for the REMOTE control statement could not be matched in the option keywords table.

System action:
Control statement analysis is abandoned and the TDMF Master job terminates.

User response:
Correct the REMOTE control statement and resubmit the TDMF Master job. See the *IBM Transparent Data Migration Facility for z/OS Reference Guide* for more details.

Detecting CSECT:
GTDRMST

GTD4045S Invalid specification of the IGNORESYS parameter list.

Explanation:
The IGNORESYSTEMS option parameter list on the SESSION control statement must specify a maximum of 48 ten character CPU identifiers.

System action:
Control statement analysis is abandoned and the TDMF Master job terminates.

User response:
Correct the SESSION control statement and resubmit the TDMF Master job.

Detecting CSECT:
GTDRMST

GTD4046S Invalid specification of the IGNORESYS parameter list.

Explanation:
One of the LPAR serial numbers provided in the IGNORESYStems session option is invalid. Each serial number provided must consist of ten valid hexadecimal characters (0 to 9, A to F).

System action:
Control statement analysis is abandoned and the TDMF Master job terminates.

User response:
Correct the SESSION control statement and resubmit the TDMF Master job.

Detecting CSECT:
GTDRMST

GTD4047S Invalid specification of the STORCLAS parameter list.

Explanation:
The STORCLAS option parameter list on the SESSION control statement must specify a single, one to eight character, DF/SMS storage class name.

System action:
Control statement analysis is abandoned and the TDMF Master job terminates.

User response:
Correct the SESSION control statement and resubmit the TDMF Master job.

Detecting CSECT:
GTDRMST

GTD4048S Invalid specification of the NOWARNING parameter list.

Explanation:
The NOWARNING option parameter list on the SESSION control statement must specify one or more four digit numbers each representing a warning message to be suppressed.

System action:
Control statement analysis is abandoned and the TDMF Master job terminates.

User response:
Correct the SESSION control statement and resubmit the TDMF Master job.

Detecting CSECT:
GTDRMST

GTD4049S Message number *message-number* cannot be suppressed.

Explanation

The user has requested in the NOWARNING option of the SESSION control statement that this TDMF message may be suppressed, but the number supplied is not that of a suppressible warning message. A warning message may not be suppressed for a session unless this is explicitly indicated in its explanation text. The following messages can currently be suppressed:

GTD1185W, GTD1293W, GTD1364W, GTD1370W, GTD1372W, GTD1384W, GTD1385W, GTD1387W, GTD1444W, GTD1445W, GTD1446W, GTD1485W, GTD1574W, GTD1657W, GTD1670W, GTD1692W, GTD1733W, GTD1824W, GTD1954W, GTD1997W, GTD2246W, GTD2667W, GTD2668W, GTD2876W, GTD3690W, GTD3769W, GTD3771W

System action:
TDMF execution is terminated.

User response:
Correct the message number or remove it from the NOWARNING option parameter list.

Detecting CSECT:
GTDRMST

GTD4050S Group name invalid or omitted.

Explanation:
A GROUP statement was supplied without a valid group name as the first (positional) parameter. A name must be provided for each volume group, consisting of one to eight alphanumeric characters.

System action:
Control statement analysis is abandoned and the TDMF Master job terminates.

User response:
Correct the GROUP control statement and resubmit the TDMF Master job. See the *IBM Transparent Data Migration Facility for z/OS Reference Guide* for more details.

Detecting CSECT:
GTDRMST

GTD4051S Duplicate parameter specification on the GROUP statement: *parameter*.

Explanation:
A parameter on the GROUP control statement was specified twice.

System action:
Control statement analysis is abandoned and the TDMF Master job terminates.

User response:
Correct the GROUP control statement and resubmit the TDMF Master job. See the *IBM Transparent Data Migration Facility for z/OS Reference Guide* for more details.

Detecting CSECT:
GTDRMST

GTD4052S Invalid parameter specification on the GROUP statement: *parameter*.

Explanation:
A parameter on the GROUP control statement is incorrectly specified. Either a required operand is omitted or too many operands are provided.

System action:
Control statement analysis is abandoned and the TDMF Master job terminates.

User response:
Correct the GROUP control statement and resubmit the TDMF Master job. See the *IBM Transparent Data Migration Facility for z/OS Reference Guide* for more details.

Detecting CSECT:
GTDRMST

GTD4053S GROUP statement invalid in single group session.

Explanation:
A GROUP statement was supplied in a migration session for which the single group option was specified.

System action:
Control statement analysis is abandoned and the TDMF Master job terminates.

User response:
Remove the SINGLEGROUP option from the SESSION control statement or remove the GROUP control statement(s) from the input stream and resubmit the TDMF Master job. See the *IBM Transparent Data Migration Facility for z/OS Reference Guide* for more details.

Detecting CSECT:
GTDRMST

GTD4054S Duplicate group names.

Explanation:
A GROUP statement was found that had the same group name as a previously defined group.

System action:
Control statement analysis is abandoned and the TDMF Master job terminates.

User response:
Correct the GROUP control statement and resubmit the TDMF Master job. See the *IBM Transparent Data Migration Facility for z/OS Reference Guide* for more details.

Detecting CSECT:
GTDRMST

GTD4055S **Number of GROUP statements exceeds maximum allowed.**

Explanation:
More than 32 GROUP control statements were encountered.

System action:
Control statement analysis is abandoned and the TDMF Master job terminates.

User response:
Only supply GROUP control statements for multiple volume groups. Place all the MIGRATE/REPLICATE control statements for ungrouped volumes before the first GROUP control statement and resubmit the TDMF Master job. See the *IBM Transparent Data Migration Facility for z/OS Reference Guide* for more details.

Detecting CSECT:
GTDRMST

GTD4056S **Unrecognized option specified on the GROUP statement: *parameter*.**

Explanation:
A word supplied in the options list for the GROUP control statement could not be matched in the option keywords table.

System action:
Control statement analysis is abandoned and the TDMF Master job terminates.

User response:
Correct the GROUP control statement and resubmit the TDMF Master job. See the *IBM Transparent Data Migration Facility for z/OS Reference Guide* for more details.

Detecting CSECT:
GTDRMST

GTD4057S **Invalid specification of the PACING option.**

Explanation:
The PACING option on the GROUP control statement must specify either NORMAL or FULLSPEED.

System action:
Control statement analysis is abandoned and the TDMF Master job terminates.

User response:
Correct this GROUP control statement and resubmit the TDMF Master job. See the *IBM Transparent Data Migration Facility for z/OS Reference Guide* for more details.

Detecting CSECT:
GTDRMST

GTD4058S **No volumes specified in group *groupid*.**

Explanation:
A GROUP control statement was either the last in the input stream or was immediately followed by another GROUP statement. A GROUP control statement must be followed by MIGRATE or REPLICATE control statements.

System action:
Control statement analysis is abandoned and the TDMF Master job terminates.

User response:
Correct the input control statements and resubmit the TDMF Master job. See the *IBM Transparent Data Migration Facility for z/OS Reference Guide* for more details.

Detecting CSECT:
GTDRMST

GTD4059S **Invalid specification of the CONSOLE parameter.**

Explanation

The CONSOLE parameter on the SESSION control statement must supply the name of an extended MCS console to be used when the CONSTDMF supplied default is not appropriate for use within the installation.

Note that the CONSOLE parameter is only required for the migration of PPRC volumes that are GDPS/PPRC HyperSwap managed or EMC DASD volumes that are managed as EMC Consistency Groups and when the Symmetrix Dynamic Address Swap (SDAS, AutoSwap) is active.

System action:
Control statement analysis is abandoned and the TDMF Master job terminates.

User response:
Correct the SESSION statement and resubmit the Master job.

Detecting CSECT:
GTDRMST

GTD4060S **Invalid specification of the NETVIEW parameter.**

Explanation:
The NETVIEW parameter on the SESSION control statement must supply the NetView started task name. Note that the NETVIEW parameter is only required for the migration of PPRC volumes that are GDPS/PPRC HyperSwap managed.

System action:

Control statement analysis is abandoned and the TDMF Master job terminates.

User response:
Correct the SESSION statement and resubmit the Master job.

Detecting CSECT:
GTDRMST

GTD4061S Invalid specification of the IGNOREGDPS parameter list.

Explanation:
The IGNOREGdps option parameter list on the SESSION control statement must specify a maximum of 32 eight character system names.

System action:
Control statement analysis is abandoned and the TDMF Master job terminates.

User response:
Correct the SESSION control statement and resubmit the TDMF Master job.

Detecting CSECT:
GTDRMST

GTD4062S Duplicate system names in the IGNOREGDPS parameter list.

Explanation:
A system name was specified twice in the IGNOREGdps option parameter list.

System action:
Control statement analysis is abandoned and the TDMF Master job terminates.

User response:
Correct the SESSION control statement and resubmit the TDMF Master job.

Detecting CSECT:
GTDRMST

GTD4063S Invalid specification of the CONGROUP parameter.

Explanation:
The CONGROUP parameter on the SESSION control statement must supply the CONGROUP started task name. Note that the CONGROUP parameter is only required for the migration of EMC volumes that are managed as EMC Consistency Groups and when the Symmetrix Dynamic Address Swap (SDAS, AutoSwap) is active.

System action:
Control statement analysis is abandoned and the TDMF Master job terminates.

User response:
Correct the SESSION statement and resubmit the Master job.

Detecting CSECT:
GTDRMST

GTD4064S Invalid Send Buffer size requested in the REMOTE statement options.

Explanation

The REMOTE statement options allow the specification of send and receive buffer sizes (in KB) for the volume copy sockets. The size specified for SNDBUF is invalid for one of the following reasons:

1. The supplied value is non-numeric.
2. The value supplied exceeds 2048 (2MB).

System action:
Control statement analysis is abandoned and the TDMF Master job terminates.

User response:
Correct the specification of the SNDBUF option for the REMOTE statement and resubmit the TDMF Master job. See the *IBM Transparent Data Migration Facility for z/OS Reference Guide* for more details.

Detecting CSECT:
GTDRMST

GTD4065S Invalid Receive Buffer size requested in the REMOTE statement options.

Explanation

The REMOTE statement options allow the specification of send and receive buffer sizes (in KB) for the volume copy sockets. The size specified for RCVBUF is invalid for one of the following reasons:

1. The supplied value is non-numeric.
2. The value supplied exceeds 2048 (2MB).

System action:
Control statement analysis is abandoned and the TDMF Master job terminates.

User response:
Correct the specification of the RCVBUF option for the REMOTE statement and resubmit the TDMF Master job. See the *IBM Transparent Data Migration Facility for z/OS Reference Guide* for more details.

Detecting CSECT:
GTDRMST

GTD4066S More than eight SCU serial numbers supplied in the IGNORESCUS option list.

Explanation:
The IGNORESCUs option parameter list on the SESSION control statement must specify a maximum

of eight 10-character SCU serial numbers; the format is nnnn-xxxxx.

System action:
Control statement analysis is abandoned and the TDMF Master job terminates.

User response:
Correct the SESSION control statement and resubmit the TDMF Master job.

Detecting CSECT:
GTDRMST

GTD4067S Invalid specification of the IGNORESCUS parameter list.

Explanation:
One of the SCU serial numbers supplied in the IGNORESCUs option parameter list does not have a hyphen as the fifth character.

System action:
Control statement analysis is abandoned and the TDMF Master job terminates.

User response:
Correct the SESSION control statement and resubmit the TDMF Master job.

Detecting CSECT:
GTDRMST

GTD4068S The IGNOREGDPS parameter conflicts with the UNIDENTIFIED SYSTEMS ACTION = ENFORCETERMINATE installation option.

Explanation:
The IGNOREGDPS session parameter is not allowed when the UNIDENTIFIED SYSTEMS ACTION installation option is set to ENFORCETERMINATE.

System action:
TDMF terminates immediately.

User response:
Change the session parameter or the installation option to be compatible with each other.

Detecting CSECT:
GTDRMST

GTD4069S Invalid PORT number on the SESSION statement.

Explanation

The SESSION control statement contains a PORT number that is incorrectly specified for one of the following reasons:

1. The option was specified on a REMOTE system.
2. The supplied value is non-numeric.
3. The PORT number exceeds 65,534.

System action:
Control statement analysis is abandoned and the TDMF Master job terminates.

User response:
Correct the specification of the PORT number in the SESSION statement and resubmit the TDMF Master job. See the *IBM Transparent Data Migration Facility for z/OS Reference Guide* for more details.

Detecting CSECT:
GTDRMST

GTD4070S Unrecognized parameter on the MIGRATE statement: *parameter*.

Explanation:
The MIGRATE control statement contains information that is not a valid parameter.

System action:
Control statement analysis is abandoned and the TDMF Master job terminates.

User response:
Correct the MIGRATE control statement and resubmit the TDMF Master job. See the *IBM Transparent Data Migration Facility for z/OS Reference Guide* for more details.

Detecting CSECT:
GTDRMST

GTD4071S Duplicate parameter specification on the MIGRATE statement: *parameter*.

Explanation:
A parameter on the MIGRATE control statement was specified twice.

System action:
Control statement analysis is abandoned and the TDMF Master job terminates.

User response:
Correct the MIGRATE control statement and resubmit the TDMF Master job. See the *IBM Transparent Data Migration Facility for z/OS Reference Guide* for more details.

Detecting CSECT:
GTDRMST

GTD4072S Invalid parameter specification on the MIGRATE statement: *parameter*.

Explanation:
A parameter on the MIGRATE control statement is incorrectly specified. Either a required operand is omitted or too many operands are provided.

System action:

Control statement analysis is abandoned and the TDMF Master job terminates.

User response:
Correct the MIGRATE control statement and resubmit the TDMF Master job. See the *IBM Transparent Data Migration Facility for z/OS Reference Guide* for more details.

Detecting CSECT:
GTDRMST

GTD4073S The IGNORESCUS parameter conflicts with the UNIDENTIFIED SYSTEMS ACTION = ENFORCETERMINATE installation option.

Explanation:
The IGNORESCUS session parameter is not allowed when the UNIDENTIFIED SYSTEMS ACTION installation option is set to ENFORCETERMINATE.

System action:
TDMF terminates immediately.

User response:
Change the session parameter or the installation option to be compatible with each other.

Detecting CSECT:
GTDRMST

GTD4074S The IGNORESYS parameter conflicts with the UNIDENTIFIED SYSTEMS ACTION = ENFORCETERMINATE installation option.

Explanation:
The IGNORESYS session parameter is not allowed when the UNIDENTIFIED SYSTEMS ACTION installation option is set to ENFORCETERMINATE.

System action:
TDMF terminates immediately.

User response:
Change the session parameter or the installation option to be compatible with each other.

Detecting CSECT:
GTDRMST

GTD4076S Unrecognized option specified on the MIGRATE statement: *parameter*.

Explanation:
A word supplied in the options list for the MIGRATE control statement could not be matched in the option keywords table.

System action:
Control statement analysis is abandoned and the TDMF Master job terminates.

User response:
Correct the MIGRATE control statement and resubmit the TDMF Master job. See the *IBM Transparent Data Migration Facility for z/OS Reference Guide* for more details.

Detecting CSECT:
GTDRMST

GTD4077S Invalid specification of the PACING option.

Explanation:
The PACING option on the MIGRATE control statement must specify either NORMAL or FULLSPEED.

System action:
Control statement analysis is abandoned and the TDMF Master job terminates.

User response:
Correct this MIGRATE control statement and resubmit the TDMF Master job. See the *IBM Transparent Data Migration Facility for z/OS Reference Guide* for more details.

Detecting CSECT:
GTDRMST

GTD4078S Invalid specification of the TARGET parameter.

Explanation:
The TARGET parameter on the MIGRATE control statement must specify a single volume serial number.

System action:
Control statement analysis is abandoned and the TDMF Master job terminates.

User response:
Correct this MIGRATE control statement and resubmit the TDMF Master job. See the *IBM Transparent Data Migration Facility for z/OS Reference Guide* for more details.

Detecting CSECT:
GTDRMST

GTD4079S Invalid specification of the NEWVSN parameter.

Explanation:
The NEWVSN or RELABEL parameter on the MIGRATE control statement must specify a single volume serial number.

System action:
Control statement analysis is abandoned and the TDMF Master job terminates.

User response:

Correct this MIGRATE control statement and resubmit the TDMF Master job. See the *IBM Transparent Data Migration Facility for z/OS Reference Guide* for more details.

Detecting CSECT:
GTDRMST

GTD4080S Invalid specification of the MIGRATE source volume.

Explanation:
A one to six character volume serial number must be supplied as the first parameter on the MIGRATE control statement.

System action:
Control statement analysis is abandoned and the TDMF Master job terminates.

User response:
Correct this MIGRATE control statement and resubmit the TDMF Master job. See the *IBM Transparent Data Migration Facility for z/OS Reference Guide* for more details.

Detecting CSECT:
GTDRMST

GTD4081S The MIGRATE source volume serial number is not unique.

Explanation:
The serial number provided for this migration source volume has already been specified in this session.

System action:
Control statement analysis is abandoned and the TDMF Master job terminates.

User response:
Correct this MIGRATE control statement and resubmit the TDMF Master job. See the *IBM Transparent Data Migration Facility for z/OS Reference Guide* for more details.

Detecting CSECT:
GTDRMST

GTD4082S The MIGRATE target volume serial number is not unique.

Explanation:
The serial number provided for this migration target volume has already been specified in this session.

System action:
Control statement analysis is abandoned and the TDMF Master job terminates.

User response:
Correct this MIGRATE control statement and resubmit the TDMF Master job. See the *IBM Transparent Data Migration Facility for z/OS Reference Guide* for more details.

Detecting CSECT:
GTDRMST

GTD4083S The MIGRATE new/relabel volume serial number is not unique.

Explanation:
The new serial number provided for this migration source volume has already been specified in this session.

System action:
Control statement analysis is abandoned and the TDMF Master job terminates.

User response:
Correct this MIGRATE control statement and resubmit the TDMF Master job. See the *IBM Transparent Data Migration Facility for z/OS Reference Guide* for more details.

Detecting CSECT:
GTDRMST

GTD4084S MIGRATE statement invalid in TCP/IP session.

Explanation:
The user has supplied a REMOTE control statement to identify a TCP/IP address and port for volume replication. TDMF does not support volume migrations in a session which has a TCP/IP connection to a REMOTE system.

System action:
TDMF execution is terminated.

User response:
Remove the MIGRATE control statement(s) and resubmit and resubmit the LOCAL Master job. See the *IBM Transparent Data Migration Facility for z/OS Reference Guide* for more information.

Detecting CSECT:
GTDRMST

GTD4085S The MIGRATE source volume is not online to this system.

Explanation:
TDMF is attempting to generate a new volume serial number for this migration volume, using the four character source device number. The UCBLOOK macro did not locate the source volume's UCB.

System action:
Control statement analysis is abandoned and the TDMF Master job terminates.

User response:
Correct this MIGRATE control statement and resubmit the TDMF Master job. See the *IBM Transparent Data Migration Facility for z/OS Reference Guide* for more details.

Detecting CSECT:
GTDRMST

GTD4086I **The generated new volume serial number is *newvsn*.**

Explanation:
TDMF has generated a new volume serial number for this migration volume, appending the four character source device number to the two character prefix that was specified in the SESSION control statement options field.

Detecting CSECT:
GTDRMST

GTD4087S **Invalid specification of the ACKNOWLEDGE parameter.**

Explanation:
The parameter supplied for the ALLOWMIRRORCHANGE option can only be either "ACKnowledge" or "NOACKnowledge".

System action:
Control statement analysis is abandoned and the TDMF Master job terminates.

User response:
Correct this control statement option and resubmit the TDMF Master job. See the *IBM Transparent Data Migration Facility for z/OS Reference Guide* for more details.

Detecting CSECT:
GTDRMST

GTD4088S **Invalid specification of the EXTVTOC parameter.**

Explanation:
The first parameter supplied for the EXTVTOC(*nnn*) option must be a one to five digit number with a maximum value of 65,535. The additional, optional, parameters are FORCE/NOFORCE and CONDITIONAL/UNCONDITIONAL.

System action:
Control statement analysis is abandoned and the TDMF Master job terminates.

User response:
Correct this control statement option and resubmit the TDMF Master job. See the *IBM Transparent Data Migration Facility for z/OS Reference Guide* for more details.

Detecting CSECT:
GTDRMST

GTD4089S **Invalid specification of the new volume serial.**

Explanation:
The third positional parameter on the MIGRATE control statement must specify a six character volume serial number. To cause TDMF to relabel the source volume with a serial number less than six characters in length after the swap, one of the two applicable keyword type parameters must be used; for example, "NEWVSN(12345)" or "RELABEL(12345)".

System action:
Control statement analysis is abandoned and the TDMF Master job terminates.

User response:
Correct this MIGRATE control statement and resubmit the TDMF Master job. See the *IBM Transparent Data Migration Facility for z/OS Reference Guide* for more details.

Detecting CSECT:
GTDRMST

GTD4090S **Unrecognized parameter on the REPLICATE statement: *parameter*.**

Explanation:
The REPLICATE control statement contains information that is not a valid parameter.

System action:
Control statement analysis is abandoned and the TDMF Master job terminates.

User response:
Correct the REPLICATE control statement and resubmit the TDMF Master job. See the *IBM Transparent Data Migration Facility for z/OS Reference Guide* for more details.

Detecting CSECT:
GTDRMST

GTD4091S **Duplicate parameter specification on the REPLICATE statement: *parameter*.**

Explanation:
A parameter on the REPLICATE control statement was specified twice.

System action:
Control statement analysis is abandoned and the TDMF Master job terminates.

User response:
Correct the REPLICATE control statement and resubmit the TDMF Master job. See the *IBM Transparent Data Migration Facility for z/OS Reference Guide* for more details.

Detecting CSECT:
GTDRMST

GTD4092S **Invalid parameter specification on the REPLICATE statement: *parameter*.**

Explanation:
A parameter on the REPLICATE control statement is incorrectly specified. Either a required operand is omitted or too many operands are provided.

System action:
Control statement analysis is abandoned and the TDMF Master job terminates.

User response:
Correct the REPLICATE control statement and resubmit the TDMF Master job. See the *IBM Transparent Data Migration Facility for z/OS Reference Guide* for more details.

Detecting CSECT:
GTDRMST

GTD4093S Invalid specification of the APPROVAL parameter.

Explanation:
The parameter supplied for the APPROVAL option can only be either "FENCETARGET" or "NOFENCETARGET".

System action:
Control statement analysis is abandoned and the TDMF Master job terminates.

User response:
Correct this control statement option and resubmit the TDMF Master job. See the *IBM Transparent Data Migration Facility for z/OS Reference Guide* for more details.

Detecting CSECT:
GTDRMST

GTD4096S Unrecognized option specified on the REPLICATE statement: *parameter*.

Explanation:
A word supplied in the options list for the REPLICATE control statement could not be matched in the option keywords table.

System action:
Control statement analysis is abandoned and the TDMF Master job terminates.

User response:
Correct the REPLICATE control statement and resubmit the TDMF Master job. See the *IBM Transparent Data Migration Facility for z/OS Reference Guide* for more details.

Detecting CSECT:
GTDRMST

GTD4097S Invalid specification of the PACING option.

Explanation:
The PACING option on the REPLICATE control statement must specify either NORMAL or FULLSPEED.

System action:
Control statement analysis is abandoned and the TDMF Master job terminates.

User response:
Correct this REPLICATE control statement and resubmit the TDMF Master job. See the *IBM Transparent Data Migration Facility for z/OS Reference Guide* for more details.

Detecting CSECT:
GTDRMST

GTD4098S Invalid specification of the TARGET parameter.

Explanation:
The TARGET parameter on the REPLICATE control statement must specify one or two volume serial numbers.

System action:
Control statement analysis is abandoned and the TDMF Master job terminates.

User response:
Correct this REPLICATE control statement and resubmit the TDMF Master job. See the *IBM Transparent Data Migration Facility for z/OS Reference Guide* for more details.

Detecting CSECT:
GTDRMST

GTD4099S Invalid specification of the REPLICATE source volume.

Explanation:
A one to six character volume serial number must be supplied as the first parameter on the REPLICATE control statement.

System action:
Control statement analysis is abandoned and the TDMF Master job terminates.

User response:
Correct this REPLICATE control statement and resubmit the TDMF Master job. See the *IBM Transparent Data Migration Facility for z/OS Reference Guide* for more details.

Detecting CSECT:
GTDRMST

GTD4101S The REPLICATE source volume serial number is not unique.

Explanation:
The serial number provided for this replication source volume has already been specified in this session.

System action:

Control statement analysis is abandoned and the TDMF Master job terminates.

User response:
Correct this REPLICATE control statement and resubmit the TDMF Master job. See the *IBM Transparent Data Migration Facility for z/OS Reference Guide* for more details.

Detecting CSECT:
GTDRMST

GTD4102S The REPLICATE target volume serial number is not unique.

Explanation:
The serial number provided for this replication target volume has already been specified in this session.

System action:
Control statement analysis is abandoned and the TDMF Master job terminates.

User response:
Correct this REPLICATE control statement and resubmit the TDMF Master job. See the *IBM Transparent Data Migration Facility for z/OS Reference Guide* for more details.

Detecting CSECT:
GTDRMST

GTD4103S The REPLICATE duplex target volume serial number is not unique.

Explanation:
The serial number provided for this replication duplex or remote target volume has already been specified in this session.

System action:
Control statement analysis is abandoned and the TDMF Master job terminates.

User response:
Correct this REPLICATE control statement and resubmit the TDMF Master job. See the *IBM Transparent Data Migration Facility for z/OS Reference Guide* for more details.

Detecting CSECT:
GTDRMST

GTD4104S Invalid TCP/IP *rmt-prm* on REMOTE statement. TCP/IP Func(*ip-func*) RC(-1) Errno(*err-cod*)

Explanation:
The REMOTE control statement contains a parameter that is invalid.

System action:
Control statement analysis is abandoned and the TDMF Master job terminates.

User response:
Correct the specification of the parameter in this REMOTE statement and resubmit the TDMF Master job. See the *IBM Transparent Data Migration Facility for z/OS Reference Guide* for more details.

Problem determination:
Error codes returned by the TCP/IP Application Programming Interface (API) are documented in the IBM manual: z/OS Communications Server IP Sockets API Programming Interface Guide and Reference. If unable to determine the cause of the error contact technical support for assistance.

Detecting CSECT:
GTDRMST

GTD4105S An attempt to initialize the TCP/IP API failed. TCP/IP Func(*ip-func*) RC(-1) Errno(*err-cod*)

Explanation:
TDMF issued the EZASMI macro for the INITAPI service. This macro set a return code indicating that the TCP/IP Application Programming Interface (API) could not be initialized.

System action:
TDMF execution is terminated.

Programmer response:
Contact technical support for assistance.

Problem determination:
Error codes returned by the TCP/IP Application Programming Interface (API) are documented in the IBM manual: z/OS Communications Server IP Sockets API Programming Interface Guide and Reference. If unable to determine the cause of the error contact technical support for assistance.

Detecting CSECT:
GTDRMST

GTD4110S Invalid specification of the VERIFY parameter.

Explanation:
The VERIFY parameter on the REPLICATE control statement must specify a volume serial number.

System action:
Control statement analysis is abandoned and the TDMF Master job terminates.

User response:
Correct this REPLICATE control statement and resubmit the TDMF Master job. See the *IBM Transparent Data Migration Facility for z/OS Reference Guide* for more details.

Detecting CSECT:
GTDRMST

GTD4111S Invalid specification of the VERIFY parameter.

Explanation:
The VERIFY parameter on the REPLICATE control statement supplies a volume serial number for DOVA session initialization. This parameter is only valid for a DOVA replication.

System action:
Control statement analysis is abandoned and the TDMF Master job terminates.

User response:
Remove the VERIFY parameter from this REPLICATE control statement and resubmit the TDMF Master job. See the *IBM Transparent Data Migration Facility for z/OS Reference Guide* for more details.

Detecting CSECT:
GTDRMST

GTD4115S Invalid DOVA target unit specification.

Explanation:
The DOVAUNIT parameter must supply a four digit offline unit address for DOVA processing.

System action:
Control statement analysis is abandoned and the TDMF Master job terminates.

User response:
Correct the REPLICATE statement(s) for this DOVA session and resubmit the TDMF Master job. See the *IBM Transparent Data Migration Facility for z/OS Reference Guide* for more details.

Detecting CSECT:
GTDRMST

GTD4116S Invalid DOVA multiple target specification.

Explanation:
The target volume was specified as an offline unit address for DOVA processing. Specification of an additional target volume on this REPLICATE statement is not supported.

System action:
Control statement analysis is abandoned and the TDMF Master job terminates.

User response:
Correct the REPLICATE statement(s) for this DOVA session and resubmit the TDMF Master job. See the *IBM Transparent Data Migration Facility for z/OS Reference Guide* for more details.

Detecting CSECT:
GTDRMST

GTD4120S The GTDDLM1 module could not be loaded.

Explanation:
The DATASET option was specified for the migration session, but TDMF could not successfully load the API for Dataset Level Replication (GTDDLM1).

System action:
Control statement analysis is abandoned and the TDMF Master job terminates.

Programmer response:
Install the API module before attempting to perform Dataset Level Replication. See the *IBM Transparent Data Migration Facility for z/OS Reference Guide* for more details.

Detecting CSECT:
GTDRMST

GTD4122S Dataset Level Replication initialization failure. Return code: *return-code*, reason code: *reason-code*.

Explanation:
TDMF is attempting to initialize a Dataset Level Replication session. The GTDDLM1 module has set a non-zero return code after being invoked to parse a MIGRATE control statement.

System action:
TDMF terminates the migration session.

System programmer response:
Contact technical support for assistance.

Problem determination:
The GTDDLM1 output will contain information about this error. The return and reason codes are displayed as hexadecimal values.

Detecting CSECT:
GTDRMST

GTD4123S Dataset Level Replication initialization failure. Return code: *return-code*, reason code: *reason-code*.

Explanation:
TDMF is attempting to initialize a Dataset Level Replication session. The GTDDLM1 module has set a non-zero return code after being invoked to complete initialization.

System action:
TDMF terminates the migration session.

System programmer response:
Contact technical support for assistance.

Problem determination:

The GTDDLM1 output will contain information about this error. The return and reason codes are displayed as hexadecimal values.

Detecting CSECT:
GTDRMST

GTD4124S DATASET option invalid on REMOTE system.

Explanation:
The DATASET option of the SESSION control statement may not be specified for a REMOTE TDMF session.

System action:
TDMF terminates the migration session.

User response:
Correct the control statements and resubmit the TDMF Master job. See the *TDMF Reference Guide* for more details.

Detecting CSECT:
GTDRMST

GTD4125S Statement type statement not allowed in Dataset Level replication.

Explanation:
TDMF is initializing a Dataset Level Replication session and encountered a control statement that is not supported in this environment. Only the SESSION, GROUP and MIGRATE control statements may be supplied if the DATASET option is set for the session.

System action:
Control statement analysis is abandoned and the TDMF Master job terminates.

User response:
Correct the control statements and resubmit the TDMF Master job. See the *TDMF Reference Guide* for more details.

Detecting CSECT:
GTDRMST

GTD4126S MIGRATE statement outside of volume group.

Explanation:
Dataset Level migrations must be performed as a single volume group.

System action:
TDMF terminates the migration session.

User response:
Specify the single group option on the SESSION control statement, or insert a GROUP statement before the MIGRATE control statement, then resubmit the TDMF Master job. See the *IBM Transparent Data Migration Facility for z/OS Reference Guide* for more details. .config m4120T26 off

Detecting CSECT:
GTDRMST

GTD4127S The IOBUFFERPOOL statement is incomplete.

Explanation:
The IOBUFFERPOOL control statement contains an error in the specification of the THRESHOLD option.The THRESHOLD keyword and or value is missing.

System action:
Control statement analysis is abandoned and the TDMF Master job terminates.

User response:
None.

Programmer response:
Correct the IOBUFFERPOOL control statement and resubmit the TDMF Master job.

Problem determination:
See the TDMF for z/OS Reference Guide for more details.

Detecting CSECT:
GTDRMST.

GTD4128S Unrecognized keyword specified on the IOBUFFERPOOL statement:*parameter*.

Explanation:
A word (identified by *parameter*) supplied in the options list for the IOBUFFERPOOL control statement could not be matched in the IOBUFFERPOOL keyword table.

System action:
Control statement analysis is abandoned and the TDMF Master job terminates.

User response:
None.

User response:
Correct the IOBUFFERPOOL control statement and resubmit the TDMF Master job.

Problem determination:
See the TDMF for z/OS Reference Guide for more details.

Detecting CSECT:
GTDRMST.

GTD4150I The Target Volume Purge option has been set.

Explanation:
The SESSION control statement requested the option to purge data on the target volume(s) before starting to copy from the source volume. This will cause data in the cylinders that TDMF would otherwise not access

on the target volume to be erased (if the target device is larger than the source or the unallocated cylinders if the Fastcopy option was specified).

Detecting CSECT:
GTDRMST

GTD4151I The Volume Comparison option has been set.

Explanation:
The SESSION control statement requested the option to compare data from the source and target volumes before completing each volume migration. This will delay volume synchronization, with the source volume quiesced, for a considerable length of time and should never be requested for a session migrating production data.

Detecting CSECT:
GTDRMST

GTD4152I The Synchronization Prompt option has been set.

Explanation:
The SESSION control statement requested the option to prompt the user before starting synchronization for each volume or group. This option will require the user to respond to the prompt using the TDMF TSO or batch monitor, or in response to an operator console message if the automatic operations option is also selected.

Detecting CSECT:
GTDRMST

GTD4153I The Offline Volume Access option has been set.

Explanation:
The SESSION control statement requested the option to allow OVA jobs to register to this TDMF session and then to access the Point-In-Time target volumes after successful synchronization.

Detecting CSECT:
GTDRMST

GTD4154I The Volume Pacing option has been set to OFF.

Explanation:
The "Volume Pacing Required" option was specified when SYSOPTN was used to install the default migration options. The SESSION control statement in the TDMF input stream has reset the option for this migration session.

Detecting CSECT:
GTDRMST

GTD4155I The Startup Confirmation option has been set to OFF.

Explanation:
The "Startup Confirm Required" option was specified when SYSOPTN was used to install the default migration options. The SESSION control statement in the TDMF input stream has reset the option for this migration session.

Detecting CSECT:
GTDRMST

GTD4156I The Display Time Option has been set to LOCAL.

Explanation:
The "Display Time as" option was specified as "GMT" when SYSOPTN was used to install the default migration options. The SESSION control statement in the TDMF input stream has changed the option to "LOCAL" for this migration session.

Detecting CSECT:
GTDRMST

GTD4157I The Display Time Option has been set to GMT.

Explanation:
The "Display Time as" option was specified as "LOCAL" when SYSOPTN was used to install the default migration options. The SESSION control statement in the TDMF input stream has changed the option to "GMT" for this migration session.

Detecting CSECT:
GTDRMST

GTD4158I The Volume Pacing option has been requested.

Explanation:
The "Volume Pacing Required" option was not specified when SYSOPTN was used to install the default migration options. The SESSION control statement in the TDMF input stream has set the option for this migration session.

Detecting CSECT:
GTDRMST

GTD4159I The Automated Operations option has been requested.

Explanation:
The "WTO Messages for Automated Operations" option was not specified when SYSOPTN was used to install the default migration options. The SESSION control statement in the TDMF input stream has set the option for this migration session.

Detecting CSECT:
GTDRMST

GTD4160I The Automated Operations option has been set to OFF.

Explanation:
The "WTO Messages for Automated Operations" option was specified when SYSOPTN was used to install the default migration options. The SESSION control statement in the TDMF input stream has reset the option for this migration session.

Detecting CSECT:
GTDRMST

GTD4161I The Startup Confirmation option has been requested.

Explanation:
The "Startup Confirm Required" option was not specified when SYSOPTN was used to install the default migration options. The SESSION control statement in the TDMF input stream has set the option for this migration session.

Detecting CSECT:
GTDRMST

GTD4162I The Terminate Group option has been requested.

Explanation:
The "Terminate all Volumes in Group on Error" option was not specified when SYSOPTN was used to install the default migration options. The SESSION control statement in the TDMF input stream has set the option for this migration session.

Detecting CSECT:
GTDRMST

GTD4163I The Terminate Group option has been set to OFF.

Explanation:
The "Terminate all Volumes in Group on Error" option was specified when SYSOPTN was used to install the default migration options. The SESSION control statement in the TDMF input stream has reset the option for this migration session.

Detecting CSECT:
GTDRMST

GTD4164I The Perpetual Point in Time option has been requested.

Explanation:
The SESSION control statement in the TDMF input stream requested the option to repeatedly refresh and synchronize Point-In-Time target volumes.

Detecting CSECT:
GTDRMST

GTD4165I The Fastcopy option has been requested.

Explanation:
The SESSION control statement in the TDMF input stream requested the option to limit the data copied from each source volume to those cylinders that are allocated to datasets.

Detecting CSECT:
GTDRMST

GTD4166I The Allow mirror change option has been requested.

Explanation:
The SESSION control statement in the TDMF input stream requested the option to allow a volume to be swapped a source device that is mirrored using one mirroring technique to a target device that is using a different mirroring technique. If this situation exists for a migration source volume the user will need to respond to a prompt from the TDMF session, using the TSO or batch monitor or reply to an operator console message if the Automatic Operations option was specified. This prompt will be bypassed if the NOACKNOWLEDGE parameter was specified for the option.

Detecting CSECT:
GTDRMST

GTD4167I The TCP/IP Data Compression option has been requested.

Explanation:
The Run Length Encoding mechanism will be used to reduce the number of bytes transmitted to each REMOTE target volume.

Detecting CSECT:
GTDRMST

GTD4168I The Automatic ICKDSF option has been requested.

Explanation:
The "Automatic ICKDSF" option was not specified when SYSOPTN was used to install the default migration options. The SESSION control statement in the TDMF input stream has set the option for this migration session.

Detecting CSECT:
GTDRMST

GTD4169I The Check Target Volume Empty option has been requested.

Explanation:
The "Check Target Empty" option was not specified when SYSOPTN was used to install the default migration options. The SESSION control statement in the TDMF input stream has set the option for this migration session.

Detecting CSECT:
GTDRMST

GTD4170I The Check Target Volume Empty option has been set to OFF.

Explanation:
The "Check Target Empty" option was specified when SYSOPTN was used to install the default migration options. The SESSION control statement in the TDMF input stream has reset the option for this migration session.

Detecting CSECT:
GTDRMST

GTD4171I The Reverse Pacing option has been requested.

Explanation:
The "Reverse Pacing" option was not specified when SYSOPTN was used to install the default migration options. The SESSION control statement in the TDMF input stream has set the option for this migration session.

Detecting CSECT:
GTDRMST

GTD4172I The Reverse Pacing option has been set to OFF.

Explanation:
The "Reverse Pacing" option was specified when SYSOPTN was used to install the default migration options. The SESSION control statement in the TDMF input stream has reset the option for this migration session.

Detecting CSECT:
GTDRMST

GTD4173I The Active in Copy option has been requested.

Explanation:
The "Active in Copy" option was not specified when SYSOPTN was used to install the default migration options. The SESSION control statement in the TDMF input stream has set the option for this migration session. This option will take effect when the number of concurrent volumes specified is less than the number of volumes that are ready to be initialized. In this situation and with this option set, only volumes that are in the copy or first refresh phases are counted for comparison with the concurrent volume limit.

Detecting CSECT:
GTDRMST

GTD4174I The Allow Invalid Counts option has been requested.

Explanation:
The "Allow Invalid Count Fields" option was not specified when SYSOPTN was used to install the default migration options. The SESSION control statement in the TDMF input stream has set the option for this migration session.

Detecting CSECT:
GTDRMST

GTD4175I The Allow Invalid Counts option has been set to OFF.

Explanation:
The "Allow Invalid Count Fields" option was specified when SYSOPTN was used to install the default migration options. The SESSION control statement in the TDMF input stream has reset the option for this migration session. Detection of an invalid record count field on an input volume will terminate the migration.

Detecting CSECT:
GTDRMST

GTD4176I The Monitor XRC Sessions option has been requested.

Explanation:
The "Monitor XRC Sessions" option was not specified when SYSOPTN was used to install the default migration options. The SESSION control statement in the TDMF input stream has set the option for this migration session.

Detecting CSECT:
GTDRMST

GTD4177I The Monitor XRC Sessions option has been set to OFF.

Explanation:
The "Monitor XRC Sessions" option was specified when SYSOPTN was used to install the default migration options. The SESSION control statement in the TDMF input stream has reset the option for this migration session.

Detecting CSECT:
GTDRMST

GTD4178I The Automatic ICKDSF option has been set to OFF.

Explanation:
The "Automatic ICKDSF" option was specified when SYSOPTN was used to install the default migration options. The SESSION control statement in the TDMF input stream has reset the option for this migration session.

Detecting CSECT:
GTDRMST

GTD4179I A default new volume serial number prefix was specified.

Explanation:
The user has supplied a two character alphanumeric string that will be concatenated with the four digit

source device number to generate a default new volume serial number for each MIGRATE statement in the session. This generated value can be overridden by the user on the MIGRATE statement itself.

Detecting CSECT:
GTDRMST

GTD4180S The specified new volume serial number prefix is invalid.

Explanation:
The user has specified the RELABEL option on the SESSION control statement. The required operand is a two character alphanumeric prefix, to which can be appended a four digit hexadecimal device number to make a unique volume serial number. The value provided did not pass validation.

System action:
TDMF terminates the migration session.

User response:
Specify the relabel prefix correctly, or supply the required new volume serial number on each MIGRATE control statement in the session, then resubmit the TDMF Master job. See the *IBM Transparent Data Migration Facility for z/OS Reference Guide* for more details.

Detecting CSECT:
GTDRMST

GTD4182I The option to bypass the ALLOWMIRRORCHANGE prompt has been requested.

Explanation:
The user specified the "NOACKNOWLEDGE" parameter for the ALLOWMIRRORCHANGE option on the SESSION control statement. Volumes that are to be migrated between PPRC and SRDF primary volumes will initialize without prompting the user for acknowledgment.

Detecting CSECT:
GTDRMST

GTD4183I The option to bypass the ALLOWMIRRORCHANGE prompt has been requested.

Explanation:
The user specified the "NOACKNOWLEDGE" parameter for the ALLOWMIRRORCHANGE option on the GROUP or MIGRATE control statement. Volumes that are to be migrated between PPRC and SRDF primary volumes will initialize without prompting the user for acknowledgment.

Detecting CSECT:
GTDRMST

GTD4184I The option to bypass the ALLOWMIRRORCHANGE prompt has been reset.

Explanation:
The user specified the "ACKNOWLEDGE" parameter for the ALLOWMIRRORCHANGE option on the GROUP or MIGRATE control statement. Volumes that are to be migrated between PPRC and SRDF primary volumes will require a user response before being selected for initialization.

Detecting CSECT:
GTDRMST

GTD4185I The option to allow Parallel Access Volumes (PAV) to be active during the migration has been requested.

Explanation:
The user specified the "PAV" option on the SESSION control statement. Source volumes that are mounted on PAV-capable devices will be allowed to bind alias devices during the migration.

Detecting CSECT:
GTDRMST

GTD4186I The option to allow Parallel Access Volumes (PAV) to be active during the migration has been requested.

Explanation:
The user specified the "PAV" option on the GROUP, MIGRATE or REPLICATE control statement. If the source volume is mounted on a PAV-capable device it will be allowed to bind alias devices during the migration.

Detecting CSECT:
GTDRMST

GTD4187I The option to allow Parallel Access Volumes (PAV) to be active has been reset.

Explanation:
The user specified the "PAV" option on the SESSION control statement, but has overridden the option for this volume on the GROUP, MIGRATE or REPLICATE control statement. PAV capability will be suspended for this volume for the duration of the migration.

Detecting CSECT:
GTDRMST

GTD4188I The option to support incremental backups has been requested.

Explanation:
The user specified the "RESETCHANGEDFLAG" option on the SESSION control statement. The"dataset opened for output" flag (DS1DSCHA) will be reset in a

source volume VTOC if a backup program running as an OVA job resets the flag on its offline target volume.

Detecting CSECT:
GTDRMST

GTD4189I The option to support incremental backups has been requested.

Explanation:
The user specified the "RESETCHANGEDFLAG" option on the GROUP or REPLICATE control statement for this volume. The"dataset opened for output" flag (DS1DSCHA) will be reset in the source volume VTOC if a backup program running as an OVA job resets the flag on the offline target volume.

Detecting CSECT:
GTDRMST

GTD4190I The option to support incremental backups has been suppressed for this volume.

Explanation:
The user specified the "RESETCHANGEDFLAG" option on the SESSION control statement but has overridden the option on the GROUP or REPLICATE control statement for this volume. No manipulation of the DS1DSCHA flag (dataset opened for other than input since last backed up) will be performed.

Detecting CSECT:
GTDRMST

GTD4191I The option to migrate an XRC primary volume has been requested.

Explanation:
The user specified the "XRCVOLUME" option on the MIGRATE control statement. TDMF will manipulate the volume's XRC session so that the volume pair will still be intact after swap completion.

Detecting CSECT:
GTDRMST

GTD4192I The option to migrate a PPRC|SRDF|HDS TC volume to a non-mirrored device or different mirror type device has been requested.

Explanation:
The user requested that initialization should continue for a volume, even if the migration will remove the volume from its disaster recovery mirroring environment or change the mirroring type.

System action:
Initialization continues as if the volume is moving from one manufacturer's remote mirroring environment to another. If the "ALLOWmirrorchange" option is not also in effect for the volume or session, initialization may still fail.

Detecting CSECT:
GTDRMST

GTD4193I The option to invoke ICKDSF to correct alternate track counters has been requested.

Explanation:
The user specified the 'OPT(ICKDSF(ALTTRKS))' option on the SESSION control statement.

System action:
ICKDSF processing will be scheduled for volumes with VTOC alternate track counts that do not match their migration target device, as well as for volumes being migrated to devices with a different number of primary cylinders.

Detecting CSECT:
GTDRMST

GTD4194S Invalid parameter specification for the ICKDSF option.

Explanation:
The user has specified the ICKDSF option on the SESSION control statement and supplied an unacceptable parameter. The only valid parameter specification for this option is 'ALTTRKS'.

System action:
TDMF terminates the migration session.

User response:
If ICKDSF should be invoked to clear alternate track counters in the Volume Table of Contents, resubmit the TDMF Master job specifying 'OPT(ICKDSF(ALTTRKS))' on the SESSION control statement. To restrict automatic ICKDSF to migrations between devices with a different number of primary cylinders (recommended), specify 'OPT(ICKDSF)'. See the *IBM Transparent Data Migration Facility for z/OS Reference Guide* for more details.

Detecting CSECT:
GTDRMST

GTD4195I The option to run TDMF in APPROVAL Mode has been requested.

Explanation:
The user has specified the APPROVAL option on the 'OPT(APPROVAL)' option on the SESSION control statement.

System action:
TDMF will allow the user to approve the current migration. If the current migration is not approved, the volumes will be swapped back to the original

configuration. See the *IBM Transparent Data Migration Facility for z/OS Reference Guide* for more details.

Detecting CSECT:
GTDRMST

GTD4200I The Target Volume Purge option has been set.

Explanation:
The volume's GROUP, MIGRATE or REPLICATE control statement requested the option to purge data on the target volume(s) before starting to copy from the source volume. This will cause data in the cylinders that TDMF would otherwise not access on the target volume to be erased (if the target device is larger than the source or the unallocated cylinders if the Fastcopy option was specified).

Detecting CSECT:
GTDRMST

GTD4201I The Target Volume Purge option has been reset.

Explanation:
The volume's GROUP, MIGRATE or REPLICATE control statement nullified the target volume purge option that was in effect for the session.

Detecting CSECT:
GTDRMST

GTD4202I The Volume Comparison option has been set.

Explanation:
The volume's GROUP, MIGRATE or REPLICATE control statement requested the option to compare data from the source and target volumes before completing each volume migration. This will delay volume synchronization, with the source volume quiesced, for a considerable length of time and should never be requested for a session migrating production data.

Detecting CSECT:
GTDRMST

GTD4203I The Volume Comparison option has been reset.

Explanation:
The volume's GROUP, MIGRATE or REPLICATE control statement nullified the volume comparison option that was in effect for the session.

Detecting CSECT:
GTDRMST

GTD4204I The Synchronization Prompt option has been reset.

Explanation:
The volume's GROUP, MIGRATE or REPLICATE control statement nullified the volume synchronization prompt option that was in effect for the session. Volume quiesce and synchronization will occur as soon as the synchronization goal can be met, with no user action required.

Detecting CSECT:
GTDRMST

GTD4205I The Synchronization Prompt option has been set.

Explanation:
The volume's GROUP, MIGRATE or REPLICATE control statement requested the option to prompt the user before starting synchronization for each volume or group. This option will require the user to respond to the prompt using the TDMF TSO or batch monitor, or in response to an operator console message if the automatic operations option is also selected.

Detecting CSECT:
GTDRMST

GTD4206I The Offline Volume Access option has been reset.

Explanation:
The volume's GROUP or REPLICATE control statement nullified the OVA option that was in effect for the session.

Detecting CSECT:
GTDRMST

GTD4207I The Perpetual Point in Time option has been reset.

Explanation:
The volume's GROUP or REPLICATE control statement nullified the PPIT option that was in effect for the session.

Detecting CSECT:
GTDRMST

GTD4208I The Volume Fastcopy option has been reset.

Explanation:
The volume's GROUP, MIGRATE or REPLICATE control statement nullified the Fastcopy option that was in effect for the session. TDMF will copy every cylinder of the source volume to the target, regardless of whether it is assigned to a dataset.

Detecting CSECT:
GTDRMST

GTD4209I The TCP/IP Data Compression option has been reset.

Explanation:
The volume's GROUP or REPLICATE control statement nullified the TCP/IP compression option that was in effect for the session.

Detecting CSECT:
GTDRMST

GTD4210I The option to leave the Point-In-Time target volume online has been set for this session.

Explanation:
The ONLINETARGET option was specified on the SESSION control statement. The PIT target volumes for the session will not be varied offline at termination.

System action:
Control statement analysis continues.

Detecting CSECT:
GTDRMST

GTD4211I The option to leave the Point-In-Time target volume online has been set for this volume.

Explanation:
The ONLINETARGET option was specified on the GROUP or REPLICATE control statement. The target volume for this migration will not be varied offline at termination.

System action:
Control statement analysis continues.

Detecting CSECT:
GTDRMST

GTD4212I The option to leave the Point-In-Time target volume online has been reset for this volume.

Explanation:
The ONLINETARGET option was specified on the SESSION control statement, but this has been overridden by an OFFLINETARGET option specification on the volume's GROUP or REPLICATE control statement. The target volume for this migration will be varied offline at termination.

System action:
Control statement analysis continues.

Detecting CSECT:
GTDRMST

GTD4215I The option to leave Swap migration source devices online has been set for this session.

Explanation:
The ONLINESOURCE option was specified on the SESSION control statement. The source devices in the session will not be varied offline at termination.

System action:
Control statement analysis continues.

Detecting CSECT:
GTDRMST

GTD4216I The option to leave the source device online has been set for this volume.

Explanation:
The ONLINETARGET option was specified on the GROUP or MIGRATE control statement. The source device for this volume migration will not be varied offline at termination.

System action:
Control statement analysis continues.

Detecting CSECT:
GTDRMST

GTD4217I The option to leave the source device online has been reset for this volume.

Explanation:
The ONLINESOURCE option was specified on the SESSION control statement, but this has been overridden by an OFFLINESOURCE option specification on the volume's GROUP or MIGRATE control statement. The source device for this volume migration will be varied offline, as normal, at successful completion.

System action:
Control statement analysis continues.

Detecting CSECT:
GTDRMST

GTD4218S Invalid number of parameters for the EXTVTOC option.

Explanation:
The EXTVTOC option must be specified with one to three parameters. The first parameter is the size (in tracks) to which the VTOC must be expanded. The additional, optional, parameters request that dataset extents should be moved to another part of the source volume, if necessary, to facilitate the requested VTOC expansion (FORCE/NOFORCE) and/or whether the volume migration should be terminated if the requested space is not available.

System action:
Control statement analysis is abandoned and the TDMF Master job terminates.

User response:
Correct this control statement option and resubmit the TDMF Master job. See the *IBM Transparent Data Migration Facility for z/OS Reference Guide* for more details.

Detecting CSECT:
GTDRMST

GTD4219I **The option to put the source device into the soft fence state has been reset for this volume.**

Explanation:
The NOFENCESOURCE option was specified on the volume's GROUP or MIGRATE statement. The source device for this volume migration will not be put into the soft fence state at successful completion.

System action:
Control statement analysis continues.

Detecting CSECT:
GTDRMST

GTD4220I **The option to put the source device into the soft fence state has been set for this volume.**

Explanation:
The NOFENCESOURCE option was specified on the SESSION control statement, but this has been overridden by a FENCESOURCE option specification on the volume's GROUP or MIGRATE control statement. The source device for this volume migration will be put into the soft fence state, as normal, at successful completion.

System action:
Control statement analysis continues.

Detecting CSECT:
GTDRMST

GTD4221I **The option to take the target device out of soft fence state has been reset for this volume.**

Explanation:
The NOUNFENCETARGET option was specified on the volume's GROUP or MIGRATE control statement. The target device for this volume migration will not be removed from the soft fence state prior to the start of the migration.

System action:
Control statement analysis continues.

Detecting CSECT:
GTDRMST

GTD4222I **The option to take the target device out of soft fence state has been set for this volume.**

Explanation:
The NOUNFENCETARGET option was specified on the SESSION control statement, but this has been overridden by an UNFENCETARGET option specification on the volume's GROUP or MIGRATE control statement. The target device for this volume migration will be removed from the soft fence state, as normal, prior to the start of a migration.

System action:
Control statement analysis continues.

Detecting CSECT:
GTDRMST

GTD4223I **Target volumes will not be put into the soft fence state when the migration is disapproved.**

Explanation:
The NOFENCETARGET parameter was specified for the APPROVAL option on the SESSION control statement. The target devices for this migration session will not be put into the soft fence state, as normal, when the migration is disapproved.

System action:
Control statement analysis continues.

Detecting CSECT:
GTDRMST

GTD4224I **The option to prevent source volumes to be put into soft fence state after a successful migration has been specified for this session.**

Explanation:
The NOFENCESOURCE option was specified on the SESSION control statement which prevents source volumes to be put into the soft fence state after successful migrations.

System action:
Control statement analysis continues.

Detecting CSECT:
GTDRMST

GTD4225I **The option to prevent target volumes to be taken out of soft fence state prior to starting a swap migration has been specified for this session.**

Explanation:
The NOUNFENCETARGET option was specified on the SESSION control statement which prevents target volumes to be removed from the soft fence state prior to a swap migration.

System action:
Control statement analysis continues.

Detecting CSECT:
GTDRMST

GTD4226I **Target volumes will be put into soft fence state when the migration is disapproved.**

Explanation:
The FENCETARGET parameter was specified for the APPROVAL option on the SESSION control statement.

The target devices for this migration session will be put back into the soft fence state when the migration is disapproved.

System action:
Control statement analysis continues.

Detecting CSECT:
GTDRMST

GTD4227I The option to put source volumes into soft fence state after a successful migration has been specified for this session.

Explanation:
The FENCESOURCE option was specified on the SESSION control statement which causes source volumes to be put into the soft fence state after successful migrations.

System action:
Control statement analysis continues.

Detecting CSECT:
GTDRMST

GTD4228I The option to take target volumes out of soft fence state prior to starting a swap migration has been specified for this session.

Explanation:
The UNFENCETARGET option was specified on the SESSION control statement which causes target volumes to be taken out of the soft fence state prior to a swap migration.

System action:
Control statement analysis continues.

Detecting CSECT:
GTDRMST

GTD4229I The SPIDFENCE session option has been requested for this migration.

Explanation:
The SPIDFENCE option has been requested either by default or specifically which causes both volumes to be placed in the SPID Fence state prior to a swap migration and unfenced upon completion of the volume's migration.

System action:
Control statement analysis continues.

Detecting CSECT:
GTDRMST

GTD4230W The NOSPIDFENCE option has been specified for this session.

Explanation:
The NOSPIDFENCE option was specified on the SESSION control statement which disables the SPIDFENCE option.

System action:
Control statement analysis continues.

Detecting CSECT:
GTDRMST

GTD4231I The IOBUFFERPOOL session option selected and has a threshold value of *value*

Explanation:
The IOBUFFERPOOL parameter was specified as an option on the SESSION OPTIONS control statement. The threshold value may be the default value, 512, or some other specified value in the range 1-65535. The threshold value is the number of volume pairs defined to the session before IOBUFFERPOOL management takes effect. Messages GTD4235I or GTD4236I indicate whether IOBUFFERPOOL management is or is not in effect for a session. In the message text, *value* defines a numeric value equal to or less than the number of defined volume pairs in the session before IOBUFFERPOOL management takes effect.

System action:
None.

User response:
None.

Problem determination:
None.

Detecting CSECT:
GTDRMST.

GTD4232I The NOIOBUFFERPOOL session option selected.

Explanation:
The NOIOBUFFERPOOL session option was selected either by default, or explicitly specified in the session options statement. IOBUFFERPOOL management will not be used.See message GTD4236I.

System action:
None.

User response:
None.

Problem determination:
None.

Detecting CSECT:
GTDRMST.

GTD4233S The IOBUFFERPOOL THRESHOLD value must be numeric.

Explanation:

In the statement IOBUFFERPOOL(THRESHOLD(vvvvv)), vvvvv must be a positive numeric value in the range 1-65535.

System action:
Control statement analysis terminates.

User response:
None.

Programmer response:
Correct the value.

Problem determination:
Review the IOBUFFERPOOL control statement to identify the incorrect value.

Detecting CSECT:
GTDRMST.

GTD4234S The IOBUFFERPOOL THRESHOLD value is out of range.

Explanation:
In the statement IOBUFFERPOOL(THRESHOLD(vvvvv)), vvvvv must be a positive numeric value in the range 1-65535.

System action:
Control statement analysis terminates.

User response:
None.

User response:
Specify an allowable value of 1 to 65535.

Problem determination:
None.

Detecting CSECT:
GTDRMST.

GTD4235I IOBUFFERPOOL management is in effect for this session. THRESHOLD=*threshold*, volume pairs=*num_vols*.

Explanation:
The IOBUFFERPOOL session option was specified on the SESSION OPTIONS control statement, and the number of volume pairs defined to the session meets or exceeds the threshold value required for implementing IOBUFFERPOOL management.

System action:
Processing continues.

User response:
None.

Problem determination:
None.

Detecting CSECT:
GTDMAIN.

GTD4236I IOBUFFERPOOL management is NOT in effect for this session: Reason Code=*reason*.

Explanation

The message indicates IOBUFFERPOOL management is not in effect for this session, for the reason code specified.

00 NOIOBUFFERPOOL specified in SESSION OPTIONS or selected by default
01 Volume pairs defined to session less than threshold value.
02 TCP/IP session.

System action:
Processing continues.

User response:
None.

Problem determination:
None.

Detecting CSECT:
GTDMAIN.

GTD4611S *return-code* was return code from authority checking.

Explanation:
Indicates the return code received from TDMF authority checking.

Detecting CSECT:
GTDSLAV

GTD4617S TDMF Security keys not initialized. Run the SYSOPTN batch job.

Explanation:
This message may be issued by the GTDMAIN module. Indicates that the security record that allows the recording of authorized keys is uninitialized in the Security Communications library as defined by the GTDKEY DD JCL statement.

System action:
Execution of GTDMAIN terminates its process abnormally.

Programmer response:
Execute the SYSOPTN batch job or contact technical support for assistance.

Detecting CSECT:
GTDHST, GTDJCL, GTDOPT

GTD4621I TDMF Security key failed.

Explanation:
The TDMF Security key did not work.

System action:
TDMF terminates execution.

Programmer response:
Execute the SYSOPTN batch job or contact technical support for assistance.

Detecting CSECT:
GTDOPT

GTD4646I ***program-name*** **Successful End of Job.**

Explanation:
Job ran successfully.

Detecting CSECT:
GTDCFTP, GTDRFTP

GTD4647E **I/O Error on SYSCOM DataSet.**

Explanation:
An I/O error occurred on the TDMF system communications dataset.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDCFTP, GTDRFTP

GTD4649E **First record not a MS.**

Explanation:
As the first record of the SYSCOM dataset was not a valid MSE record, TDMF considers the SYSCOM dataset to be invalid.

Programmer response:
If GTDCFTP, then not a valid SYSCOM dataset. If GTDRFTP, not a valid compressed SYSCOM dataset.

Detecting CSECT:
GTDCFTP, GTDRFTP

GTD4650E **Output Dataset defined too small.**

Explanation:
The OUTPUT dataset is defined too small to allow rebuilding of the SYSCOM dataset.

Detecting CSECT:
GTDRFTP

GTD4651E **New SYSCOM not allocated in cylinder.**

Explanation:
The first or only extent of the OUTPUT dataset is not allocated on cylinder boundaries.

System action:
The program terminates.

User response:
Redefine the output dataset, specifying space in contiguous cylinders.

Detecting CSECT:
GTDRFTP

GTD4652E **Dataset OPEN failure.**

Explanation:
Probably a missing DD statement, with an accompanying IEC130I message.

System action:
The program terminates.

User response:
Correct the JCL and resubmit the job.

Detecting CSECT:
GTDCFTP, GTDRFTP

GTD4653E **Invalid input CCHR field.**

Explanation:
A record read from the input dataset contains a CCHR field that is invalid for a TDMF communications dataset.

System action:
The program terminates.

User response:
Rebuild the input dataset and resubmit the job.

Detecting CSECT:
GTDRFTP

GTD4654E **Target track capacity error.**

Explanation:
The communications dataset that was compressed into the input dataset was allocated on a device that allowed more 4096 byte records per track than the specified output device.

System action:
The program terminates.

User response:
Allocate the output dataset on a 3390 volume and resubmit the job.

Detecting CSECT:
GTDRFTP

GTD5000I **Return Code from Authority Facility was *return-code*.**

Explanation:
CPU passed TDMF Authority validation.

System action:
Execution continues.

Detecting CSECT:
GTDLKEY

GTD5001W **Return Code from Authority Facility was *return-code*.**

Explanation:
The CPU identification passed TDMF authority validation for a Trial License.

System action:
Execution continues.

Detecting CSECT:
GTDLKEY

GTD5002W **Return Code from Authority Facility was *return-code*.**

Explanation:
Indicates that this CPU did not pass TDMF Authority validation.

Programmer response:
If the job failed on a licensed CPU, contact technical support for assistance.

Problem determination:
The installation of the security keys may have been performed on a CPU different from the one where TDMF will run. If this message was unexpected, verify all the statements supplied in SYSOPTN job since some of them will impact the security key verification.

Detecting CSECT:
GTDLKEY

GTD5003S **Return Code from Authority Facility was *return-code*.**

Explanation:
Indicates that TDMF Authority checking had an internal error.

System action:
Execution terminates.

Programmer response:
All of the return codes from Authorization Facility are listed in the *IBM Transparent Data Migration Facility for z/OS Reference Guide*. If unable to resolve the problem, contact technical support for assistance.

Detecting CSECT:
GTDLKEY

GTD5004E **Return Code from open of SYSIN = *return-code*.**

Explanation:
None zero return code indicates a failure during open.

System action:
Execution terminates.

Programmer response:
All return codes from Authorization Facility are listed in the *IBM Transparent Data Migration Facility for z/OS Reference Guide*. If unable to resolve the problem, contact technical support for assistance.

Detecting CSECT:
GTDLKEY

GTD5005E **Return Code from open of SYSPRINT = *return-code*.**

Explanation:
None zero return code indicates a failure during open.

System action:
Execution terminates.

Programmer response:
All return codes from Authorization Facility are listed in the *IBM Transparent Data Migration Facility for z/OS Reference Guide*. If unable to resolve the problem, contact technical support for assistance.

Detecting CSECT:
GTDLKEY

GTD5006E **Read of Security record failed, RC = *return-code*, RS = *reason-code*.**

Explanation:
The Security Record could not be located in the TDMF library on the GTDKEY DD statement or an error occurred when attempting to read it into virtual storage.

System action:
Execution terminates.

Programmer response:
Check the installation process. If unable to resolve the error, contact technical support for assistance.

Problem determination:
The return code displayed in the message is set by the GTDUKEY module.

Detecting CSECT:
GTDLKEY, GTDMKEY

GTD5007E **Updating of Security record failed, RC = *return-code*.**

Explanation:
Updating of Security record failed.

System action:
Execution terminates.

Programmer response:
Refer to the chapter on "Return Codes" in the IBM Transparent Data Migration Facility for z/OS Messages and Codes for GTDUKEY. If unable to resolve the problem, contact technical support for assistance.

Problem determination:
The return code displayed in the message is set by the GTDUKEY module.

Detecting CSECT:
GTDLKEY, GTDMKEY

GTD5008E **Dynamic Load of TDMF module GTDLOGS failed.**

Explanation:
An attempt to dynamically load the required TDMF module GTDLOGS failed.

System action:
Execution terminates.

Programmer response:
Check the installation process. If unable to resolve the error, contact technical support for assistance.

Detecting CSECT:
GTDLKEY

GTD5009E Dynamic Load of TDMF module GTDMSGN failed.

Explanation:
An attempt to dynamically load the required TDMF module GTDMSGN failed.

System action:
Execution terminates.

Programmer response:
Check the installation process. If unable to resolve the error, contact technical support for assistance.

Detecting CSECT:
GTDLKEY

GTD5010E Dynamic Load of TDMF module GTDAKEY failed.

Explanation:
An attempt to dynamically load the required TDMF module GTDAKEY failed.

System action:
Execution terminates.

Programmer response:
Check the installation process. If unable to resolve the error, contact technical support for assistance.

Detecting CSECT:
GTDLKEY

GTD5011E Dynamic Load of TDMF module GTDUKEY failed.

Explanation:
An attempt to dynamically load the required TDMF module GTDUKEY failed.

System action:
Execution terminates.

Programmer response:
Check the installation process. If unable to resolve the error, contact technical support for assistance.

Detecting CSECT:
GTDLKEY

GTD5012E No valid PCCA pointer for CPUID found.

Explanation:
A valid pointer to the PCCA could not be located for a specified CPUID.

System action:
Execution terminates.

Programmer response:
Check the installation process. If unable to resolve the error, contact technical support for assistance.

Detecting CSECT:
GTDLKEY

GTD5013E Maximum number of Input statements exceeded.

Explanation:
Only 75 non-comment statements are allowed.

System action:
Execution terminates.

Programmer response:
Check the installation process. If unable to resolve the error, contact technical support for assistance.

Detecting CSECT:
GTDLKEY

GTD5014E More than one feature statement.

Explanation:
Only one feature statement is allowed. This may also occur if trying to change feature type with PARM='UPDATE' specified in the SYSOPTN job.

System action:
Execution terminates.

Programmer response:
Correct the statements and rerun job.

Detecting CSECT:
GTDLKEY

GTD5015E First statement must be TDMF Version statement.

Explanation:
The first non-comment statement must be the TDMF Version statement.

System action:
Execution terminates.

Programmer response:
Correct the statements and rerun the job.

Detecting CSECT:
GTDLKEY

GTD5016E SITE NUMBER statement invalid.

Explanation:
The SITE NUMBER statement is in error.

System action:
Execution terminates.

Programmer response:
Correct the statement and rerun the job.

Detecting CSECT:
GTDLKEY

GTD5017E SMF RECORD ID statement invalid.

Explanation:
The SMF RECORD ID statement is in error.

System action:
Execution terminates.

Programmer response:
Correct the statement and rerun the job.

Detecting CSECT:
GTDLKEY

GTD5018E WTO MESSAGES FOR AUTOMATED OPERATIONS REQUIRED statement invalid.

Explanation:
The WTO MESSAGES FOR AUTOMATED OPERATIONS REQUIRED statement is in error.

System action:
Execution terminates.

Programmer response:
Correct the statement and rerun the job.

Detecting CSECT:
GTDLKEY

GTD5019E STARTUP CONFIRM REQUIRED statement invalid.

Explanation:
The STARTUP CONFIRM REQUIRED statement is in error.

System action:
Execution terminates.

Programmer response:
Correct the statement and rerun the job.

Detecting CSECT:
GTDLKEY

GTD5020E VOLUME PACING REQUIRED statement invalid.

Explanation:
The VOLUME PACING REQUIRED statement is in error.

System action:
Execution terminates.

Programmer response:
Correct the statement and rerun the job.

Detecting CSECT:
GTDLKEY

GTD5021E VOLUME SECURITY statement invalid.

Explanation:
The VOLUME SECURITY statement is in error.

System action:
Execution terminates.

Programmer response:
Correct the statement and rerun the job.

Detecting CSECT:
GTDLKEY

GTD5022E TERMINATE ALL VOLUMES IN GROUP ON ERROR statement invalid.

Explanation:
The TERMINATE ALL VOLUMES IN GROUP ON ERROR statement is in error.

System action:
Execution terminates.

Programmer response:
Correct the statement and rerun the job.

Detecting CSECT:
GTDLKEY

GTD5023E DISPLAY TIME AS statement invalid.

Explanation:
The DISPLAY TIME AS statement is in error.

System action:
Execution terminates.

Programmer response:
Correct the statement and rerun the job.

Detecting CSECT:
GTDLKEY

GTD5024E One of the KEY statements is invalid.

Explanation:
A KEY statement is in error. KEYS are considered as one entity. Check all KEYxx= statements.

System action:
Execution terminates.

Programmer response:
Correct the statement(s) and rerun the job.

Detecting CSECT:
GTDLKEY

GTD5025E CORPORATION NAME not defined.

Explanation:
The CORPORATION NAME was not defined in the input statements.

System action:
Execution terminates.

Programmer response:
Correct the statement and rerun the job.

Detecting CSECT:
GTDLKEY

GTD5026E SITE NAME not defined.

Explanation:
The SITE NAME was not defined in the input statements.

System action:
Execution terminates.

Programmer response:
Correct the statement and rerun the job.

Detecting CSECT:
GTDLKEY

GTD5027E Data in input statements not identified.

Explanation:
Unable to identify some data in the input statements supplied.

System action:
Execution terminates.

Programmer response:
Correct the statement and rerun the job.

Detecting CSECT:
GTDLKEY

GTD5028E ENTERPRISE NUMBER statement invalid.

Explanation:
The ENTERPRISE NUMBER statement is in error.

System action:
Execution terminates.

Programmer response:
Correct the statement and rerun the job.

Detecting CSECT:
GTDLKEY

GTD5029E SYSOPTN job running outside install window.

Explanation:
The enabling keys may only be installed within 7 days of the effective date, if present, or SYSOPTN is running after the expiration date.

System action:
Execution terminates.

Programmer response:
A new enabling key will be required.

Detecting CSECT:
GTDLKEY

GTD5030E Volume License statement invalid.

Explanation:
The Volume License statement is in error.

System action:
Execution terminates.

Programmer response:
Correct the statement and rerun the job.

Detecting CSECT:
GTDLKEY

GTD5031E Volume License statement invalid.

Explanation:
The Volume License statement is in error.

System action:
Execution terminates.

Programmer response:
Correct the statement and rerun the job.

Detecting CSECT:
GTDLKEY

GTD5032E TRIAL License statement invalid.

Explanation:
TRIAL License statement is in error.

System action:
Execution terminates.

Programmer response:
Correct the statement and rerun the job.

Detecting CSECT:
GTDLKEY

GTD5033E No PARM specified on EXEC statement in JCL.

Explanation:
No parameters were specified for the PARM option on the JCL EXEC statement.

System action:
Execution terminates.

Programmer response:
Correct the statement and rerun the job.

Detecting CSECT:
GTDLKEY

GTD5034E No Key Type statement in input.

Explanation:
The Key Type statement was not found in input statements.

System action:
Execution terminates.

Programmer response:
Correct the statement and rerun the job.

Detecting CSECT:
GTDLKEY

GTD5035E Abend detected.

Explanation:
An ABEND was detected.

System action:
Execution terminates.

Programmer response:
Obtain a dump and contact technical support for assistance.

Detecting CSECT:
GTDLKEY

GTD5036I Security Keys being loaded from a non-authorized CPU.

Explanation:
The security keys are being built and loaded on a system that is not represented by one of the CPUIDs specified in the input statements.

System action:
Execution continues.

Programmer response:
If the CPU on which the security job was run was not specified, and was correctly not authorized, no further response is required. Otherwise, correct the input statements. If this was an Enterprise Key, the KEY01 is not valid and the key will not be installed. Should the problem not be resolved, contact technical support for assistance.

Problem determination:
Verify that each KEY statement contains the correct CPUID for the supplied KEY.

Detecting CSECT:
GTDLKEY

GTD5037E Only KEY01 supported with this feature.

Explanation:
The requested TDMF feature only supports a KEY01 specification.

System action:
Execution terminates.

Programmer response:
Correct statement and rerun job.

Detecting CSECT:
GTDLKEY

GTD5038I TDMF *license-type* license successfully installed.

Explanation:
System options and enabling key(s) *license-type* have been successfully installed.

System action:
Execution continues.

Detecting CSECT:
GTDLKEY

GTD5039S TDMF Security Record is corrupted.

Explanation:
The TDMF Security Record was found to be corrupted.

System action:
Execution terminates.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDLKEY, GTDMKEY

GTD5040S TDMF Security Record not initialized.

Explanation:
An initialized security record was not found while trying to display the security records from the TDMF TSO Monitor.

System action:
Execution terminates.

Programmer response:
Run the Systems Option (SYSOPTN) job.

Detecting CSECT:
GTDMKEY

GTD5041E Must have a minimum of 1 Security Key defined.

Explanation:
No security key records were found in the data input for the System Options (SYSOPTN) job.

System action:
Execution terminates.

Programmer response:
Correct the statements and rerun the Systems Option (SYSOPTN) job.

Problem determination:
The System Options (SYSOPTN) job must contain a minimum of one KEYxx= statement in the input data.

Detecting CSECT:
GTDLKEY

GTD5042E TDMF Security Record not initialized. Must specify PARM=NEW.

Explanation:
The security record for TDMF was not found to be in an initialized condition and the PARM=NEW option was not specified on the JCL EXEC statement.

System action:
Execution terminates.

Programmer response:
Correct the JCL specifying PARM=NEW on the EXEC statement and rerun the Systems Option (SYSOPTN) job.

Detecting CSECT:
GTDLKEY

GTD5043I Processing system CPUID is *cpuid*.

Explanation:
Displays the CPUID of the processing system.

System action:
Execution continues.

Detecting CSECT:
GTDLKEY

GTD5044W Option *option* is not supported in TDMF *license-type* Feature.

Explanation:
The specified option is not supported within the indicated TDMF license type.

System action:
The specified option is ignored and execution continues.

Detecting CSECT:
GTDLKEY

GTD5045E Return Code from History Logging was *return-code*, reason code was *reason-code* - logging not enabled.

Explanation:
An error occurred within the GTDLOGS support program.

System action:
Execution continues but History Logging is not enabled.

Programmer response:
Refer to the chapter on "Return Codes" in the IBM Transparent Data Migration Facility for z/OS Messages and Codes. If unable to resolve the problem, contact technical support for assistance.

Detecting CSECT:
GTDLKEY

GTD5046E SITE NUMBER not defined.

Explanation:
The SITE NUMBER was not defined in the input statements.

System action:
Execution terminates.

Programmer response:
Correct the statement and rerun the job.

Detecting CSECT:
GTDLKEY

GTD5047E Statement *option* duplicated in input statements.

Explanation:
The specified statement was duplicated within the input statements.

System action:
Execution terminates.

Programmer response:
Correct the statement and rerun the job.

Detecting CSECT:
GTDLKEY

GTD5048I Return Code from History Logging was *return-code*.

Explanation:
The logging function was called to validate the supplied History Logging dataset name. If the return code is not zero, the dataset name has been rejected by the GTDLOGS program.

System action:
Execution continues. If the return code is non-zero, the History Logging installation option is disabled.

Programmer response:
If the return code in the message is non-zero, refer to the chapter on "Return Codes" in the IBM Transparent Data Migration Facility for z/OS Messages and Codes. If unable to resolve the problem, contact technical support for assistance.

Detecting CSECT:
GTDLKEY

GTD5049I Return Code from Security Record access was *return-code*.

Explanation:
Successful return from GTDUKEY.

System action:
Execution continues.

Programmer response:
Refer to the chapter on "Return Codes" in the IBM Transparent Data Migration Facility for z/OS Messages and Codes. If unable to resolve the problem, contact technical support for assistance.

GTD5050E Return Code from Security Record access was *return-code*, reason code was *reason-code*.

Explanation:
An error occurred with the GTDUKEY program.

System action:

Execution continues.

Programmer response:
Refer to the chapter on "Return Codes" in the IBM Transparent Data Migration Facility for z/OS Messages and Codes. If unable to resolve the problem, contact technical support for assistance.

GTD5051I **Return Code from data access was *return-code*.**

Explanation:
Successful return from GTDUQTY.

System action:
Execution continues.

Programmer response:
Refer to the chapter on "Return Codes" in the IBM Transparent Data Migration Facility for z/OS Messages and Codes. If unable to resolve the problem, contact technical support for assistance.

GTD5052E **Return Code from data access was *return-code*, reason code was *reason-code*.**

Explanation:
An error occurred with the GTDUQTY program.

System action:
Execution continues.

Programmer response:
Refer to the chapter on "Return Codes" in the IBM Transparent Data Migration Facility for z/OS Messages and Codes. If unable to resolve the problem, contact technical support for assistance.

GTD5053E **Dynamic Load of TDMF module GTDGMSG failed.**

Explanation:
An attempt to dynamically load the required TDMF module GTDGMSG failed.

System action:
Execution terminates.

Programmer response:
Check the installation process. If unable to resolve the error, contact technical support for assistance.

Detecting CSECT:
GTDLKEY

GTD5054I **Monitor user *user-id* received return code *return-code* from Installation Security Environment.**

Explanation:
TSO user was using the Installation Security Environment.

System action:
Execution continues.

Programmer response:
Refer to the chapter on "Return Codes" for GTDAKEY in the IBM Transparent Data Migration Facility for z/OS Messages and Codes. If unable to resolve the problem, contact technical support for assistance.

Detecting CSECT:
GTDMKEY

GTD5055I **Installation Security Environment modified by monitor user *user-id*.**

Explanation:
TSO user modified the Installation Security Environment.

System action:
Execution continues.

Detecting CSECT:
GTDMKEY

GTD5056I **TDMF Trace Entry Bits modified by monitor user *user-id*.**

Explanation:
TDMF TSO Monitor user modified the TDMF Trace Entry Bits.

System action:
Execution continues.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDTRC

GTD5057E **TDMF SERVICE EXPIRES statement invalid.**

Explanation:
The TDMF SERVICE EXPIRES statement is in error.

System action:
Execution terminates.

Programmer response:
Correct the statement and rerun the job.

Detecting CSECT:
GTDLKEY

GTD5058E **TDMF Features statement required.**

Explanation:
The TDMF Authorization System update required.

System action:
Execution terminates.

Programmer response:
TDMF Resubmit SYSOPTN job with FEATURES: statement supplied with enabling keys.

Detecting CSECT:
GTDLKEY

GTD5059I History Logging Dataset name removed.

Explanation:
The History Logging Dataset name was removed by the SYSOPTN job.

System action:
Execution continues.

Detecting CSECT:
GTDLKEY

GTD5060E TDMF *license-type* Feature not supported at this version.

Explanation:
The designated feature is not supported at this version of TDMF.

System action:
Execution terminates.

Programmer response:
Check the installation process. If unable to resolve the error, contact technical support for assistance.

Detecting CSECT:
GTDLKEY

GTD5061E A TDMF Key Type statement cannot be specified with PARM='UPDATE'.

Explanation:
PARM=UPDATE and TDMF Key Type statements are mutually exclusive requests.

System action:
Execution terminates.

Programmer response:
When the TDMF Key Type statement :(ie: TDMF REGULAR LICENSE) is included in the input, PARM=NEW must be specified to update the security record. All other input statements may be included, if changing. The Version statement is always required.

Detecting CSECT:
GTDLKEY

GTD5062E ISPF Version variable not correct.

Explanation:
The TDMF TSO Monitor did not set the ISPF version variable correctly.

System action:
Execution terminates.

Programmer response:
Contact technical support for assistance.

Problem determination:
Module GTDID is responsible for setting this variable when the TDMF TSO Monitor is started.

Detecting CSECT:
GTDLVL, GTDMKEY

GTD5063E SYSOPTN Input Statements appears to have Numbers.

Explanation:
SYSOPTN Input Statements appear to have numbers. Some statements can go to column 78. Input statements cannot have data in the standard number columns 73-80.

System action:
Execution terminates.

Programmer response:
Contact technical support for assistance.

Problem determination:
When editing the input for SYSOPTN, turn off numbering of the data prior to submitting the job.

Detecting CSECT:
GTDLKEY

GTD5064E OVA Timeout value not acceptable.

Explanation:
The OVA volume registration timeout value was incorrectly specified. This value must not exceed four digits, must be numeric and in the range one through 1440.

System action:
Execution terminates.

User response:
Correct the control statement and resubmit the SYSOPTN job.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDLKEY

GTD5065E REVERSE PACING statement invalid.

Explanation:
The Reverse Pacing option must be specified as either "YES" or "NO".

System action:
Execution terminates.

User response:
Correct the control statement and resubmit the SYSOPTN job.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDLKEY

GTD5066E ACTIVE IN COPY statement invalid.

Explanation:
The Active in Copy option must be specified as either "YES" or "NO".

System action:
Execution terminates.

User response:
Correct the control statement and resubmit the SYSOPTN job.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDLKEY

GTD5067E AUTOMATIC ICKDSF statement invalid.

Explanation:
The Automatic ICKDSF option must be specified as either "YES" or "NO".

System action:
Execution terminates.

User response:
Correct the control statement and resubmit the SYSOPTN job.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDLKEY

GTD5068E UNIDENTIFIED SYSTEMS ACTION statement invalid.

Explanation:
The action to be taken on detection of a migration source volume to which an unidentified (not known to TDMF as a Master or Agent) system has established a logical path was not correctly specified.

System action:
Execution terminates.

User response:
Correct the control statement and resubmit the SYSOPTN job.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDLKEY

GTD5069E CHECK TARGET EMPTY statement invalid.

Explanation:
The option to check each target volume for datasets before a migration must be specified as either "YES" or "NO".

System action:
Execution terminates.

User response:
Correct the control statement and resubmit the SYSOPTN job.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDLKEY

GTD5070E SYSOPTN's GTDKEY DD statement specified invalid library.

Explanation:
SYSOPTN's GTDKEY DD statement specified a library that contains a TDMFKEYS member. Member name GTDKEY required.

System action:
Execution terminates.

User response:
Correct the control statement and resubmit the SYSOPTN job.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDLKEY

GTD5071E ALLOW INVALID COUNT FIELDS statement invalid.

Explanation:
The option to copy tracks that have non-standard record count fields must be specified as either "YES" or "NO".

System action:
Execution terminates.

User response:
Correct the control statement and resubmit the SYSOPTN job.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDLKEY

GTD5072E MONITOR XRC SESSIONS statement invalid.

Explanation:
The option to periodically issue the XQUERY form of the ANTRQST macro during a migration must be specified as either "YES" or "NO".

System action:
Execution terminates.

User response:
Correct the control statement and resubmit the SYSOPTN job.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDLKEY

GTD5073E TERABYTES statement invalid.

Explanation:
The TERABYTES statement is in error.

System action:
Execution terminates.

Programmer response:
Correct the statement and rerun the job.

Detecting CSECT:
GTDLKEY

GTD5074E This license type only supports one key.

Explanation:
This license type only supports one key. Remove unneeded key statements and rerun SYSOPTN job. See information provided from IBM with enabling keys.

System action:
Execution terminates.

Programmer response:
Correct the statements and rerun the job.

Detecting CSECT:
GTDLKEY

GTD5075E Dynamic Load of TDMF module GTDCHG failed.

Explanation:
An attempt to dynamically load the required TDMF module GTDCHG failed.

System action:
Execution terminates.

Programmer response:
Check the installation process. If unable to resolve the error, contact technical support for assistance.

Detecting CSECT:
GTDLKEY

GTD5076E Version statement does not match installed software.

Explanation:
During loading of the keys, the submitted version statement does not match the software indicated in the GTDLLIB DD statement.

System action:
Execution terminates.

Programmer response:
Check the installation process. If unable to resolve the error, contact technical support for assistance.

Detecting CSECT:
GTDLKEY

GTD5077E GTDKEY DD statement missing.

Explanation:
TDMF at release V5.2 and above accesses the library containing the authorization key member using the GTDKEY DD statement or dynamic allocation.

System action:
Execution terminates.

User response:
Check the JCL statements used. If there is a SECCOM DD statement, change the DD name to GTDKEY and resubmit the SYSOPTN job.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDLKEY

GTD5078E Enabling key authorization system corrupted.

Explanation:
Enabling key authorization system corrupted.

System action:
Execution terminates.

Programmer response:
Ensure the KEYnn specified in the SYSOPTN JCL is correct and rerun the SYSOPTN batch job.

Problem determination:
Enabling key module failed authentication.

Detecting CSECT:
GTDMKEY

GTD5996E Error issuing STSI Instruction.

Explanation:
Unexpected CC 3 from STSI instruction. Instruction was marked as installed in the SCCB.

System action:
Execution terminates.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDTERA

GTD5997E Error opening SYSPRINT.

Explanation:

Program experienced a problem opening file SYSPRINT.

System action:
Execution terminates.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDTERA

GTD5998E Error inputting SSIDs into table.

Explanation:
Program was designed to handle 512 defined SSIDs. More than the maximum SSIDs found.

System action:
Execution terminates.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDTERA

GTD5999E Error processing SSIDs.

Explanation:
Program experienced problems processing the SSID control blocks.

System action:
Execution terminates with user abend 109.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDTERA

GTD6000I z/VM® Agent for TDMF version (*addr*) starting ...

Explanation:
The z/VM Agent for TDMF Server virtual machine is starting.

Detecting CSECT:
GTDVMAIN

GTD6001D mutex for TDMFVM2 chain successfully initialized.

Explanation:
Indicates that the mutex for TDMFVM2 chain was successfully initialized.

Detecting CSECT:
GTDVMAIN

GTD6002I The SMFID is *smfid*

Explanation:
The SMFID assigned to this z/VM Agent for TDMF Server virtual machine is displayed.

Detecting CSECT:
GTDVMAIN

GTD6003I z/VM Agent for TDMF *version* terminating ...

Explanation:
The z/VM Agent for TDMF Server virtual machine is terminating.

Detecting CSECT:
GTDVMAIN

GTD6004I command accepted: *command*

Explanation:
A command passed to the z/VM Agent for TDMF Server virtual machine was accepted.

Detecting CSECT:
GTDVCMDP

GTD6005E unknown command: *command*

Explanation:
An invalid command has been passed to the z/VM Agent for TDMF Server virtual machine.

Detecting CSECT:
GTDVCMDP

GTD6006D mutex for TDMFVM2 chain successfully *action*

Explanation:
Indicates that the mutex for TDMFVM2 chain was successfully locked/unlocked.

Detecting CSECT:
GTDVCMDP

GTD6007I Command processor has terminated.

Explanation:
Indicates that the z/VM Agent for TDMF command processor thread has terminated.

Detecting CSECT:
GTDVCMDP

GTD6008I reading configuration file ...

Explanation:
Indicates that the z/VM Agent for TDMF Server virtual machine is reading the configuration file assigned to CONFIG.

Detecting CSECT:
GTDVCNFG

GTD6009E unable to initialize session

Explanation:
The z/VM Agent for TDMF Server virtual machine could not initialize a requested migration session.

Detecting CSECT:
GTDVSESS

GTD6010I **session starts using SYSCOM: *commds***

Explanation:
The z/VM Agent for TDMF Server virtual machine starts a migration session using the displayed systems communications data set (SYSCOM).

Detecting CSECT:
GTDVSESS

GTD6011E **error initializing session control blocks**

Explanation:
The z/VM Agent for TDMF Server virtual machine could not initialize a requested migration session. A problem occurred while preparing the TDMF session control block.

Detecting CSECT:
GTDVSESS

GTD6012E **error initializing migration session (RC=*rc*, RSN=*rsn*)**

Explanation:
The z/VM Agent for TDMF Server virtual machine could not initialize a requested migration session.

Detecting CSECT:
GTDVSESS

GTD6013E **error initializing SYSCOM access (RC=*rc*, RSN=*rsn*)**

Explanation

The z/VM Agent for TDMF Server virtual machine could not initialize access to the communications data set for the migration session.

Return codes include:

-1 parameter error when calling ICOM_I
101 error obtaining PWA storage (PWAICOM)
102 error obtaining I/O buffer storage
103 error reading VOL1 or VTOC record
104 error reading a SYSCOM DSCB record
105 error reading device characteristics
106 error obtaining storage for the VRDCBLOK
107 error initializing UCB for SYSCOM volume
108 error obtaining storage for a short RDEV
109 real device for given volser could not be determined
110 no available virtual address found
111 error obtaining storage for Soft-Fence I/O storage buffer
112 error obtaining storage for dummy ASCB
113 error obtaining SDRF storage
114 error obtaining private work area stack
115 error obtaining dummy TCB storage
116 a real device number mismatch was detected
117 the SYSCOM volume cannot be reserved
118 unexpected error issuing diagnose x'210'

Detecting CSECT:
GTDVSESS

GTD6014E **session terminating: *commds***

Explanation:
The migration session using the specified communications data set is terminating due to a previous error.

Detecting CSECT:
GTDVSESS

GTD6015I **waiting for master: *commds***

Explanation:
The migration session is now waiting for the TDMF master to start.

Detecting CSECT:
GTDVSESS

GTD6016E **error waiting for master (RC=*rc*, RSN=*rsn*)**

Explanation:
An error occurred while the session on this agent system was waiting for the master system.

Detecting CSECT:
GTDVSESS

GTD6017E **error accessing master MSE**

Explanation:
An error occurred while trying to access the MSE entry for the master system.

Detecting CSECT:
GTDVSESS

GTD6018I **connected to master system *smfid* using *commds***

Explanation:
The migration session is now communicating with the displayed TDMF master system using the specified SYSCOM data set.

Detecting CSECT:
GTDVSESS

GTD6019E **error checking volumes - *module* (RC=*rc*)**

Explanation:
An error occurred while checking migration volumes for the session. The related module name and its return code are displayed.

Detecting CSECT:
GTDVSESS

GTD6020E **error updating SYSCOM (RC=*rc*, RSN=*rsn*)**

Explanation:
An error occurred while updating the specified control sections in the systems communication data set.

Detecting CSECT:
GTDVSESS

GTD6021E **GTDVVOL error (RC=*rc*)**

Explanation:
An error occurred in the volume loop.

Detecting CSECT:
GTDVSESS

GTD6022I **session thread terminated for SYSCOM: *commds***

Explanation:
A migration session thread terminated.

Detecting CSECT:
GTDVSESS

GTD6023D **session cleanup: *routine***

Explanation:
During session cleanup the displayed subroutine was called.

Detecting CSECT:
GTDVSESS

GTD6024D **session found and unchained**

Explanation:
During session cleanup the session control block was found and unchained.

Detecting CSECT:
GTDVSESS

GTD6025E **error *rc* releasing session related storage areas**

Explanation:
During session cleanup some storage areas could not be released. This is an internal error and shall be reported to technical support.

System action:
TDMF volume migration continues.

Programmer response:
Report this error to technical support.

Detecting CSECT:
GTDVSESS

GTD6026E **error releasing session related storage areas (RC=*rc*, RSN=*rcn*)**

Explanation:
During session cleanup some storage areas could not be released. This is an internal error and shall be reported to technical support.

System action:
TDMF volume migration continues.

Programmer response:
Report this error to technical support.

Detecting CSECT:
GTDVSESS

GTD6027D ***block*: *addr***

Explanation:
The pointer to the specified control block is displayed.

Detecting CSECT:
GTDVSESS

GTD6028D **mutex for simulated UCB table successfully initialized.**

Explanation:
Indicates that the mutex for the chain of simulated UCB control blocks was successfully initialized.

Detecting CSECT:
GTDVPREP

GTD6029E **error creating Mutex for simulated UCB table serialization (RC=*rc*, RSN=*rcn*)**

Explanation:
The Mutex for serializing access to the chain of simulated UCBs could not be created. The return and reason code listed are for the MutexCreate function.

Detecting CSECT:
GTDVPREP

GTD6030D **mutex for simulated UCB table successfully acquired**

Explanation:
Indicates that the mutex for the chain of simulated UCB control blocks was successfully acquired.

Detecting CSECT:
GTDVSUBS

GTD6031E **error acquiring Mutex for simulated UCB table serialization (RC=*rc*, RSN=*rcn*)**

Explanation:
The Mutex for serializing access to the chain of simulated UCBs could not be acquired. The return and reason code listed are for the MutexAcquire function.

Detecting CSECT:
GTDVSUBS

GTD6032D **mutex for simulated UCB table successfully released**

Explanation:
Indicates that the mutex for the chain of simulated UCB control blocks was successfully released.

Detecting CSECT:
GTDVSUBS

GTD6033E **error releasing Mutex for simulated UCB table serialization (RC=*rc*, RSN=*rcn*)**

Explanation:
The Mutex for serializing access to the chain of simulated UCBs could not be released. The return and reason code listed are for the MutexRelease function.

Detecting CSECT:
GTDVSUBS

GTD6034E **a required parameter setting is missing: *parm***

Explanation:
A required parameter was not specified in the z/VM Agent for TDMF configuration file.

Detecting CSECT:
GTDXCONF

GTD6035E **error establishing an IUCV interrupt handler for *module (func)* RC=*rc***

Explanation:
An error occurred when trying to establish an IUCV interrupt handler. The return code indicated is from the HNDIUCV macro. Communication with the z/VM Agent for TDMF Server virtual machine is limited.

Detecting CSECT:
GTDVMSSI, GTDVVRDR

GTD6036E **error establishing IUCV connection with *MSG system service RC=*rc***

Explanation:
An error occurred when trying to connect to the *MSG system service. The return code indicated is from the CMSIUCV macro. Communication with the z/VM Agent for TDMF Server virtual machine is limited.

Detecting CSECT:
GTDVMSSI

GTD6037E **error receiving an IUCV message IPRCODE=*code***

Explanation:
An error occurred when trying to receive an IUCV message. IPRCODE indicates the error condition as described for the IUCV RECEIVE function in the CP Programming Service manual.

Detecting CSECT:
GTDVMSSI

GTD6038E **error establishing I/O interrupt handler for virtual reader HNDIO RC=*rc***

Explanation:
An error occurred when trying to establish an I/O interrupt handler for the virtual reader.

Detecting CSECT:
GTDVVRDR

GTD6039E **error establishing IUCV connection with *SPL system service RC=*rc***

Explanation:
An error occurred when trying to connect to the *SPL system service. The return code indicated is from the CMSIUCV macro. Communication with the z/VM Agent for TDMF Server virtual machine is limited.

Detecting CSECT:
GTDVVRDR

GTD6040E **error selecting a RDR file. SPRGENRC=*rc1*, SPRSFBRC=*rc2*, SPRSPKRC=*rc3***

Explanation:
An error occurred when selecting a RDR file. The return co are from the HCLSPRBK control block and their reasons are documented in that macro and the CP Programming services manual. The z/VM Agent for TDMF Server virtual machine will be unable to process RDR files.

Detecting CSECT:
GTDVVRDR

GTD6041E **error closing a RDR file SPRGENRC=*rc***

Explanation:
An error occurred when closing and purging a RDR file. The expected return is an 8 for a close and purge any other return code is unexpected and may indicate the RDR file will not be purged. The return codes are from the HCLSPRBK control block an their reasons are codes documented in that macro and the CP Programming services manual.

Detecting CSECT:
GTDVVRDR

GTD6042I **processing RDR file NAME=*name* TYPE=*type* ORIGIN=*orgin* SPID=*spid***

Explanation:
The named RDR file is being read to look for TDMFVM commands.

Detecting CSECT:
GTDVVRDR

GTD6043E **error severing IUCV connection with *SPL system service RC=*rc***

Explanation:
An error occurred when trying to server the connection to *SPL system service. The return code indicated is from the CMSIUCV macro. Communication with the z/VM Agent for TDMF Server virtual machine is limited.

Detecting CSECT:
GTDVVRDR

GTD6044E **error in HNDIUCV CLEAR removing the IUCV interrupt handler RC=*rc***

Explanation:
An error occurred when trying to remove the IUCV interrupt exit for spool processing. The return code indicated is from the HNDIUCV CLEAR macro. Communication with the z/VM Agent for TDMF Server virtual machine is limited.

Detecting CSECT:
GTDVVRDR

GTD6045I **skipping RDR file NAME=*name* TYPE=*type* ORIGIN=*orgin***

Explanation:
The named RDR file is being skipped as it does not appear to be a TDMFVM RDR file.

Detecting CSECT:
GTDVVRDR

GTD6046S **the z/VM Agent for TDMF diagnose code *dec* (x'*hex*') has not been installed**

Explanation:
The z/VM Agent for TDMF diagnose code has not been installed before starting the z/VM Agent for TDMF Server virtual machine.

Detecting CSECT:
GTDVCHKD

GTD6047D **issuing CP command: *command***

Explanation:
z/VM Agent for TDMF is issuing the specified CP command.

Detecting CSECT:
GTDVSUBS

GTD6048D **CP command response: *response***

Explanation:
z/VM Agent for TDMF has issued a CP command and this is the response.

Detecting CSECT:
GTDVSUBS

GTD6049E **CP command error: *response***

Explanation:
z/VM Agent for TDMF has issued a CP command and this is the response.

Detecting CSECT:
GTDVSUBS

GTD6050W **unexpected sub-routine call from '*addr*'**

Explanation:
z/VM Agent for TDMF has tried to call a non-existent sub-routine.

System action:
TDMF volume migration continues.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDVSUBS

GTD6051I **executing as user *userid* on *lvl* level VM system *sysname***

Explanation:
The user id and level of VM of the z/VM Agent for TDMF Server virtual machine is displayed.

System action:
TDMF volume migration continues.

Detecting CSECT:
GTDVINIT

GTD6052I **no default log user id has been specified**

Explanation:
A default user id to receive z/VM Agent for TDMF log information has not been configured.

System action:
TDMF volume migration continues.

Detecting CSECT:
GTDVMAIN

GTD6053I **the default log user id is *userid***

Explanation:
The default user id to receive z/VM Agent for TDMF log information has been configured as displayed.

System action:
TDMF volume migration continues.

Detecting CSECT:
GTDVMAIN

GTD6054E **session cannot be started - device *dev* is offline**

Explanation:
A real device number was specified when trying to start a migration session. However, the specified device is offline.

System action:
TDMF volume migration terminates.

User response:
Either place the SYSCOM data set on a different volume online on this VM system or take the device online before starting the migration session again.

Detecting CSECT:
GTDVICOM

GTD6055E **error on IUCV SEND (*func*) to the *SPL system service IPRCODE=*code***

Explanation:
An error occurred on the IUCV SEND to the *SPL system service to obtain or close a RDR file. The IPRCODE is documented in the*CP Programming Services Manual* under IUCV SEND. Communication with the z/VM Agent for TDMF Server virtual machine is limited.

Detecting CSECT:
GTDVVRDR

GTD6056W **unrecognizable spool format in RDR file NAME=*name* TYPE=*type* ORIGIN=*orgin***

Explanation:
The format of the spool file could not be determined so any command sent in this file cannot be processed. The RDR file will be kept and normal processing continues.

Detecting CSECT:
GTDVVRDR

GTD6057E **parameter missing for command *command***

Explanation:
A required parameter was not specified. The command will be ignored.

Detecting CSECT:
GTDVCMDP

GTD6058I **canceling session using SYSCOM *commds***

Explanation:
A cancel command was issued for the specified SYSCOM data set. The session will now be terminated.

Detecting CSECT:
GTDVCMDP

GTD6059E **session using SYSCOM *commds* could not be found**

Explanation:
A command was entered with the specified SYSCOM data set but no corresponding session was found.

Detecting CSECT:
GTDVCMDP

GTD6060E ***func* error (RC=*rc*, RSN=*rsn*)**

Explanation:
An unexpected error occurred executing the specified CMS multi-threading function.

Detecting CSECT:
GTDVMSSI

GTD6061W **migration sessions still active.**

Explanation:
The STOP command was entered without the FORCE parameter. The z/VM Agent for TDMF Server virtual machine will not be terminated if migration sessions are still active. Either wait until all active migration sessions have terminated, cancel active migration sessions individually, or use the FORCE parameter with the STOP command.

Detecting CSECT:
GTDVCMDP

GTD6062E **invalid parameter specified for command *command***

Explanation:
An invalid parameter was specified. The command will be ignored.

Detecting CSECT:
GTDVCMDP

GTD6063I **the virtual console interface driver thread is terminating**

Explanation:
Indicates that the z/VM Agent for TDMF virtual console interface driver thread is terminating.

Detecting CSECT:
GTDVCMDP

GTD6064E **A session using SYSCOM file *commds* is already active**

Explanation:
Another migration session using the specified SYSCOM data set is already active. Wait until that migration session has terminated or use a different SYSCOM data set on a different volume.

Detecting CSECT:
GTDVCMDP

GTD6065E **Too many parameters specified for command *command***

Explanation:
Too many parameters were specified for a command. Command will be ignored.

Detecting CSECT:
GTDVCMDP

GTD6066W **After a resume request unit *addr* still seems to be quiesced.**

Explanation:
A **CP HYPERSWAP RESUME** command was issued but the specified device still seems to be quiesced.

Detecting CSECT:
GTDVSUBS

GTD6067W **The z/VM Agent for TDMF Server virtual machine storage size may be too small**

Explanation:
An unexpected error occurred obtaining virtual storage. It is possible that not enough virtual storage is defined for the z/VM Agent for TDMF Server virtual machine.

Detecting CSECT:
GTDVSESS

GTD6068E **Error starting migration session**

Explanation:
The z/VM Agent for TDMF Server virtual machine could not start the migration session due to an early initialization error.

Detecting CSECT:
GTDVSESS

GTD6069E **RDR interface driver error in function func (RC=*rc*, RSN=*rsn*)**

Explanation:
The virtual reader interface driver indicated a problem.

Detecting CSECT:
GTDVVRDR

GTD6070E **RDR interface driver warning in function func (RC=*rc*, RSN=*rsn*)**

Explanation:
The virtual reader interface driver indicated a problem.

Detecting CSECT:
GTDVVRDR

GTD6071D **GTDVVRDR trace point: *traceid***

Explanation:
The specified trace point has been reached during the execution of the virtual reader interface driver.

Detecting CSECT:
GTDVVRDR

GTD6072D **Issuing CP command: *command***

Explanation:
The specified message has been sent.

Detecting CSECT:
GTDVNOTE

GTD6073I **Reading defaults file ...**

Explanation:
Indicates that the z/VM Agent for TDMF Server virtual machine is reading the defaults file GTDVMDFT DEFAULTS.

Detecting CSECT:
GTDVCNFG

GTD6074I **The system netid is *netid***

Explanation:
Indicates the userid of the local RSCS virtual machine which is used to send messages back to remote users.

Detecting CSECT:
GTDVMAIN

GTD6075W **z/VM Agent for TDMF sending messages to remote users**

Explanation:
The id of the local RSCS virtual machine has not been passed when z/VM Agent for TDMF was started. Messages are not sent to remote users.

Detecting CSECT:
GTDVMAIN

GTD6076I **SYSCOM MASTER**

Explanation:
Header line for STATUS display.

Detecting CSECT:
GTDVCMDP

GTD6077I ***commds smfid***

Explanation:
Information about an active migration session are shown.

Detecting CSECT:
GTDVCMDP

GTD6078I **No active sessions found**

Explanation:
When the STATUS command was entered no active migration where found.

Detecting CSECT:
GTDVCMDP

GTD6079S **Incorrect sub-function code detected for z/VM Agent for TDMF diagnose**

Explanation:
The z/VM Agent for TDMF diagnose was called for activation or deactivation of the SYSIOMON exit with Ry containing neither 0 nor 4.

Detecting CSECT:
GTDVINIT

GTD6080S **An error occurred during SYSIOMON activation (RC=*rc*)**

Explanation:
During z/VM Agent for TDMF initalization an error occurred when trying to activate the I/O monitor exit SYSIOMON.

System action:
TDMF terminates.

Programmer response:
Report this error to technical support.

Detecting CSECT:
GTDVINIT

GTD6081S **An abend occurred while a migration session was active**

Explanation:
While a migration session was executing an exception occurred.

System action:
TDMF migration session is terminated.

Programmer response:
Report this error to technical support.

Detecting CSECT:
GTDVSESS

GTD6082I **PSW at time of abend x'*psw*' (*modname*+x'*offset*t') abend code x'*code*'**

Explanation:
The PSW at the time of the abend is displayed.

System action:
TDMF continues.

Programmer response:
Report this error to technical support.

Detecting CSECT:
GTDVABND

GTD6083I **PSW at time of abend x'*psw*' abend code x'*code*'**

Explanation:
The PSW at the time of the abend is displayed.

System action:
TDMF continues.

Programmer response:
Report this error to technical support.

Detecting CSECT:
GTDVABND

GTD6084I **R*x*-R*y* *reg reg reg reg***

Explanation:
The 64-bit general purpose registers at the time of the abend are displayed.

System action:
TDMF continues.

Programmer response:
Report this error to technical support.

Detecting CSECT:
GTDVABND

GTD6085I **z/VM Agent for TDMF (LE) dump has been generated**

Explanation:
An abend occurred and z/VM Agent for TDMF has generated an abend dump (LE) using CEE3DMP for problem analysis.

System action:
TDMF continues.

Programmer response:
Report this error to technical support.

Detecting CSECT:
GTDVABND

GTD6086I **Deleting session thread SYSCOM: *commds***

Explanation:
The session thread using the displayed SYSCOM is deleted.

System action:
TDMF continues.

Detecting CSECT:
GTDVSESS

GTD6087S **Error retrieving event data (RC=*rs*, RSN=*rsn*). Terminating all active migration sessions.**

Explanation:
An abend event was signaled but the attempt to retrieve event data failed.

System action:
TDMF continues.

Programmer response:
Report this error to technical support.

Detecting CSECT:
GTDVSESS

GTD6088I **Producing a z/VM Agent for TDMF Server virtual machine dump ...**

Explanation:
An abend occurred and TDMF/VM is now producing a virtual machine dump for problem analysis.

System action:
TDMF continues.

Programmer response:
Report this error to technical support.

Detecting CSECT:
GTDVABND

GTD6089I virtual machine dump has been generated

Explanation:
An abend occurred and TDMF/VM has generated a virtual machine dump for problem analysis.

System action:
TDMF continues.

Programmer response:
Report this error to technical support.

Detecting CSECT:
GTDVABND

GTD6090I producing a z/VM Agent for TDMF (LE) dump ...

Explanation:
An abend occurred and z/VM Agent for TDMF has generated a LE dump for problem analysis.

System action:
TDMF continues.

Programmer response:
Report this error to technical support.

Detecting CSECT:
GTDVABND

GTD6091I session termination request queued for *commds*

Explanation:
A session termination request has been queued. Session termination may take a few seconds.

System action:
TDMF continues.

Detecting CSECT:
GTDVCMDP

GTD6092E error *rs* setting dispatch class (RSN=*rsn*)

Explanation:
An error occurred when trying to set a dispatch class.

System action:
TDMF continues.

Programmer response:
Report this error to technical support.

Detecting CSECT:
GTDVCMDP, GTDVMAIN, GTDVCONS

GTD6093E command parse error (too many tokens)

Explanation:
An error occurred when parsing a command.

System action:
TDMF continues.

Detecting CSECT:
GTDVCMDP

GTD6094E a severe TDMF/VM diagnose error occurred (diag *code*, sub-function *func*)

Explanation:
An unexpected error occurred when executing a z/VM Agent for TDMF diagnose function.

System action:
TDMF continues.

Programmer response:
Report this error to technical support.

Detecting CSECT:
GTDVSUBS

GTD6095E Command processor error *func*: *error* = (errno2 = *errno2*)

Explanation:
An error occurred in the command processor when preparing to receive commands.

System action:
TDMF terminates

Programmer response:
Report this error to technical support.

Detecting CSECT:
GTDVCMDP

GTD6096E Migration session not started due to a previous error.

Explanation:
A previous error prevents the migration session to be started. Check preceding messages.

System action:
The session terminates.

Programmer response:
Report this error to technical support.

Detecting CSECT:
GTDVCMDP

GTD6097E Error *text* Mutex for TDMFVM2 chain -*func*:*error* (errno2=*errno2*)

Explanation:
The Mutex for serializing access to the chain of TDMFVM2 control blocks could not be acquired.

System action:
The command is not executed.

Detecting CSECT:
GTDVCMDP

GTD6098E An abend in the command processor thread occurred

Explanation:
A program exception occurred in the command processor thread.

System action:
TDMF terminates

Programmer response:
Report this error to technical support.

Detecting CSECT:
GTDVCMDP

GTD6099S Error retrieving event data (RC=*rc*, RSN=*rcn*)

Explanation:
An abend event was signaled but the attempt to retrieve event data failed.

System action:
TDMF terminates

Programmer response:
Report this error to technical support.

Detecting CSECT:
GTDVCMDP

GTD6100W Command processor error - *func*: RC=*rc*, RSN=*rsn*)

Explanation:
An error in the specified function occurred in the command processor thread.

System action:
TDMF continues

Programmer response:
Report this error to technical support.

Detecting CSECT:
GTDVCMDP

GTD6101W Error establishing termination signal handler

Explanation:
An error occurred when trying to establish the termination signal handler.

System action:
TDMF continues

Programmer response:
Report this error to technical support.

Detecting CSECT:
GTDVMAIN

GTD6102E Error queuing command to command processor

Explanation:
An error occurred when trying to queue a command to the command processor.

System action:
TDMF continues

Programmer response:
Report this error to technical support.

Detecting CSECT:
GTDVCMDQ, GTDVCONS

GTD6103E Invalid diagnose code *code* (must be larger than 255 and smaller than 509)

Explanation:
The diagnose code number to be used by TDMF is invalid.

System action:
TDMF continues

Detecting CSECT:
GTDVCNFG

GTD6104W Error *rc* setting thread priority (RSN=*rsn*)

Explanation:
An error occurred when trying to set the thread priority.

System action:
TDMF continues.

Programmer response:
Report this error to technical support.

Detecting CSECT:
GTDVCONS

GTD6105W Console interface driver error - *func*: *error* (errno2=*errno2*)

Explanation:
An error occurred in the console interface driver when executing the specified function.

System action:
TDMF continues

Programmer response:
Report this error to technical support.

Detecting CSECT:
GTDVCONS

GTD6106E Error executing *func* for real device address *devn*

Explanation

An error occurred performing a z/VM Agent for TDMF diagnose function performing the specified function. The error function can be one of the following:

- Read Device Characteristics (RDC)
- Read Configuration Data (RCD)
- Sense ID (SNSID)
- Sense Subsystem Status (SNSS)
- Read Volume Label (RVL)
- Read Subsystem Data (RSD)
- Unknown function

System action:
TDMF continues

Programmer response:
Report this error to technical support.

Detecting CSECT:
GTDVSUBS

GTD6107E **Error setting session thread dispatch class (RC=*rc*, RSN=*rsn*)**

Explanation:
An error occurred setting a unique dispatch class for a session thread.

System action:
TDMF migration session continues

Programmer response:
Report this error to technical support.

Detecting CSECT:
GTDVSESS

GTD6108E **Error creating session thread VMERROR event monitor (RC=*rs*, RSN=*rsn*)**

Explanation:
An error occurred creating an event monitor to trap abends while executing a session thread.

System action:
TDMF migration session continues

Programmer response:
Report this error to technical support.

Detecting CSECT:
GTDVSESS

GTD6109E **Error establishing session thread event trap (RC=*rc*, RSN=*rsn*)**

Explanation:
An error occurred establishing an event trap for abends occurring while executing a session thread.

System action:
TDMF migration session terminates

Programmer response:
Report this error to technical support.

Detecting CSECT:
GTDVSESS

GTD6110E **An error occurred causing the termination of this migration session**

Explanation:
A severe error occurred which caused the termination of a migration session.

System action:
TDMF migration session terminates

Programmer response:
Report this error to technical support.

Detecting CSECT:
GTDVSESS

GTD6111E **Error deleting session thread event monitor (RC=*rs*, RSN=*rsn*)**

Explanation:
An error occurred deleting the event monitor to trap abends while executing a session thread.

System action:
TDMF migration session terminates

Programmer response:
Report this error to technical support.

Detecting CSECT:
GTDVSESS

GTD6112E **Error enabling reader notification with *SPL system service (IPRCODE=*code*)**

Explanation:
An error occurred when trying to enable reader notification with the *SPL system service. The return code indicated is from the IUCV SEND macro call. Communication with the z/VM Agent for TDMF Server virtual machine is limited.

Detecting CSECT:
GTDVVRDR

GTD6113E **Error receiving IUCV data from *SPL system service (IPRCODE=*code*)**

Explanation:
An error occurred when trying to enable reader notification with the *SPL system service. The return code indicated is from the IUCV SEND macro call. Communication with the z/VM Agent for TDMF Server virtual machine is limited.

Detecting CSECT:
GTDVVRDR

GTD6114D **Error selecting incoming reader file**

Explanation:
An error occurred when trying to select an incoming reader file for processing.

Detecting CSECT:
GTDVVRDR

GTD6115E **RDR interface driver error in function *func* (FLAG=*flag*)**

Explanation:
An error occurred waiting for a reader event.

Detecting CSECT:
GTDVVRDR

GTD6116E **An unexpected situation occurred while waiting for an IUCV interrupt.**

Explanation:
An error occurred waiting for a reader event.

Programmer response:
Report this error to technical support.

Detecting CSECT:
GTDVVRDR

GTD6117I **DEBUG was set to *debug***

Explanation:
The **DEBUG** command was entered and the DEBUG option was changed to the specified value.

Detecting CSECT:
GTDVCMDP

GTD6118W **Error defining *evt* event (RC=*rc*, RSN=*rsn*)**

Explanation:
An error occurred defining the specified event.

Detecting CSECT:
GTDVVRDR

GTD6119I **Virtual reader interface driver has terminated**

Explanation:
Indicates that the z/VM Agent for TDMF virtual reader interface driver has terminated.

Detecting CSECT:
GTDVMAIN

GTD6120I **z/VM Agent for TDMF *version* successfully terminated**

Explanation:
The TDMF agent for VM has successfully terminated.

Detecting CSECT:
GTDVMAIN

GTD6121E **An invalid I/O option was passed to CALLIVOL: x'*option*'**

Explanation:
The CALLIVOL function was called specifying an unknown I/O option.

Programmer response:
Report this error to technical support.

Detecting CSECT:
GTDVSUBS

GTD6122E **An invalid I/O function was passed to CALLIVOL: x'*func*'**

Explanation:
The CALLIVOL function was called specifying an unknown I/O function.

Programmer response:
Report this error to technical support.

Detecting CSECT:
GTDVSUBS

GTD6123E **An invalid signal request was passed to CALLIVOL: x'*signal*'**

Explanation:
The CALLIVOL function was called specifying an invalid signal code.

Programmer response:
Report this error to technical support.

Detecting CSECT:
GTDVSUBS

GTD6124E **The determination of logical path data is not supported.**

Explanation:
The CALLIVOL function was called to obtain logical path data which is not supported in this release.

Programmer response:
Report this error to technical support.

Detecting CSECT:
GTDVSUBS

GTD6125E **GTDVSYSI error (RC=*rc*)**

Explanation:
An error occurred during SYSIOMON initialization

Detecting CSECT

GTDVSESS

GTD6126E **Error obtaining status of virtual console**

Explanation:
An error occurred obtaining the virtual console status of the z/VM Agent for TDMF Server virtual machine

Detecting CSECT:
GTDVSTAT

GTD6127I **The console log will be sent to *userid* at *node***

Explanation:
The console log of the z/VM Agent for TDMF Server virtual machine will be sent to the specified userid.

Detecting CSECT:
GTDVSTAT

GTD6128W **The console of the TDMF Server virtual machine is not started**

Explanation:
The console of the z/VM Agent for TDMF Server virtual machine is not started.

System action:
In order to facilitate problem diagnosis the virtual console of the z/VM Agent for TDMF Server virtual machine should be started.

Detecting CSECT:
GTDVSTAT

GTD6129I **Abend dumps will be sent to *userid***

Explanation:
Dumps occurring in the z/VM Agent for TDMF Server virtual machine will be sent to the specified userid.

Detecting CSECT:
GTDVSTAT

GTD6130I **Abend dumps will be sent to *userid***

Explanation:
The user id to receive z/VM Agent for TDMF Server virtual machine abend dumps has been configured as displayed.

Detecting CSECT:
GTDVMAIN

GTD6131I ***confvar* has now been set to *value***

Explanation:
The value of a configuration variable was changed to the value displayed.

Detecting CSECT:
GTDVCMDP

GTD6132E **The RDR interface driver has terminated due to a previous error**

Explanation:
The RDR interface driver has been terminated because of a previous error. The z/VM Agent for TDMF Server virtual machine can no longer receive commands via its virtual reader.

System action:
Check the IUCV statement in the VM directory entry. Restart the z/VM Agent for TDMF Server virtual machine.

Detecting CSECT:
GTDVVRDR

GTD6133E **The configuration file could not be read.**

Explanation:
The TDMF Server virtual machine requires a valid configuration file in order to start up.

System action:
Check if the file definition for CONFIG is assigning the correct configuration file. Restart the z/VM Agent for TDMF Server virtual machine

Detecting CSECT:
GTDVVCNFG

GTD6134E **Error initializing TDMF CVT extensions**

Explanation:
The TDMF Server virtual machine could not properly initialize its CVT extensions.

System action:
Try to IPL ZCMS before re-starting the TDMF Server virtual machine.

Detecting CSECT:
GTDVCVTX

GTD6135I **System configuration option ENFORCE_BY_VOLID=OFF**

Explanation:
The VM system configuration option ENFORCE_BY_VOLID has not been set to ON. There is a potential risk when volumes are migrated by TDMF in case they are assigned to a virtual guest machine by its real device address.

System action:
Consider setting ENFORCE_BY_VOLID to ON and change affected DEDICATE and MDISK statements in the VM directory.

Detecting CSECT:
GTDVINIT

GTD6136D **GTDVVRDR trace point: *traceid* - *variable=value***

Explanation:
The specified trace point has been reached during the execution of the virtual reader interface driver.

Detecting CSECT:
GTDVVRDR

GTD6137W **Multiple source volumes with volume label *volser* found**

Explanation:
Multiple source or target migration volumes with identical volume serial numbers have been detected.

System action:
The TDMF agent selects the volume mounted on the same device number requested by the master system.

Detecting CSECT:
GTDVVCHK

GTD6138I **Multiple target volumes with volume label *volser*found**

Explanation:
The z/VM Agent for TDMF Server virtual machine is loaded at the specified address.

Detecting CSECT:
GTDVSTAT

GTD6139I **z/VM Agent (*smfid*) for TDMF loaded at *addr***

Explanation:
The z/VM Agent for TDMF Server virtual machine is loaded at the specified address.

Detecting CSECT:
GTDVSTAT

GTD6140W **source volume *volser* is dedicated to user by its real device number *devn***

Explanation:
A source volume is defined by its real device address in a user entry of the VM directory. When the migration successfully completes the source volume will be mounted on a new real device number. It is recommended to update the directory entry with the new real device number or assign the device by its volume serial number.

System action:
The migration continues.

Detecting CSECT:
GTDVVCHK

GTD6141W **error setting cancelability type of session thread**

Explanation:
An error occurred setting the cancelability type of the session thread to asynchronous.

System action:
TDMF migration session continues

Programmer response:
Report this error to technical support.

Detecting CSECT:
GTDVSESS

GTD6142W **error enabling cancelability of session thread**

Explanation:
An error occurred enabling the cancelability of the session thread.

System action:
TDMF migration session continues

Programmer response:
Report this error to technical support.

Detecting CSECT:
GTDVSESS

GTD6143W **problem acquiring Mutex for simulated UCB table serialization (RC=*rc*, RSN=*rsn*)**

Explanation:
There was an unexpected problem acquiring the mutex for the chain of simulated UCBs. The return and reason code listed are for the MutexAcquire function.

Detecting CSECT:
GTDVSUBS

GTD6144E **error obtaining simulated UCB for real device *devn* (RC=*rc*)**

Explanation:
An error occurred when TDMF tried to obtain a simulated UCB.

Detecting CSECT:
GTDVSUBS

GTD6145I ***mtype source(devs)* to *target(devt)***

Explanation:
Indicates the volume labels of the migration source and target volumes.

Detecting CSECT:
GTDVVUCB

GTD6146I ***status***

Explanation:
z/VM Agent for TDMF has issued a CP QUERY DASD command and this is the response.

Detecting CSECT:
GTDVVUCB

GTD6147I **---------- --- ---------- ---------- -------- --------**

Explanation:
This is a separator line for the response of a QUERY SESSION command.

Detecting CSECT:

GTDVQSES

GTD6148I ***commds source(devs) ->target(devt) flags***

Explanation:
This is the response to a QUERY SESSION command. The source and target volume label and internal flags are displayed.

Detecting CSECT:
GTDVQSES

GTD6149I **session *commds* waiting for master**

Explanation:
This is the response to a QUERY SESSION command. The session using the specified system communications dataset (SYSCOM) is still waiting for the TDMF master system.

Detecting CSECT:
GTDVQSES

GTD6150I **no active session found**

Explanation:
The QUERY SESSION ALL command was entered but no active session was found.

Detecting CSECT:
GTDVQSES

GTD6151I **Breaking event address: *bear***

Explanation:
The breaking event address at the time of the abend is displayed.

System action:
TDMF continues.

System programmer response:
Report this error to technical support.

Detecting CSECT:
GTDVABND

GTD6152S **the migration session abended**

Explanation:
An abend was trapped while a migration session was executed. The session has been terminated.

System action:
TDMF continues.

System programmer response:
Report this error to technical support.

Detecting CSECT:
GTDVABND

GTD6153S **error locating header information for *name***

Explanation:
A QUERY LEVEL command was issued and the header information for the specified name could not be found.

System action:
TDMF continues.

System programmer response:
Report this error to technical support.

Detecting CSECT:
GTDVLMOD

GTD6154I ***name* EP=0x*addr* LVL=*ptflvl* BUILD=*date(time)***

Explanation:
A QUERY LEVEL command was issued. Name, PTF level and generation date and time is displayed for a TDMF CSECT.

Detecting CSECT:
GTDVLMOD

GTD6155W **source volume *volser* is defined as a DEVNO minidisk for *user***

Explanation:
A source volume is defined as a minidisk with the DEVNO parameter in a user entry of the VM directory. When the migration successfully completes the source volume will be mounted on a new real device number. It is recommended to update the directory entry with the new real device number or assign the device by its volume serial number.

System action:
The migration continues.

Detecting CSECT:
GTDVVCHK

GTD6156E **a fatal error occurred when issuing diagnose sub-code *sub***

Explanation:
A fatal error occurred when the TDMF Server virtual machine issued a TDMF diagnose with the specified sub-code.

System action:
The migration continues.

Detecting CSECT:
GTDVVCHK

GTD6157E **real device address mismatch when accessing SYSCOM volume**

Explanation:
An error occurred when accessing a SYSCOM volume. Possibly multiple volumes with identical volume labels are online.

System action:
The migration continues.

Detecting CSECT:

GTDVICOM

GTD6158I received command: *command*

Explanation:
The command received from the virtual reader command interface is displayed.

System action:
The migration continues.

Detecting CSECT:
GTDVVRDR

GTD6159E an error occurred when stacking a valid read request for *devn*

Explanation:
An attempt to stack a volid read request before resuming I/O failed.

System action:
The migration continues. Verify the volids of source and target volumes after the migration.

System programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDVSUBS

GTD6160E real device mv.devn seems to be unusable as a SYSCOM volume

Explanation:
The specified real device number cannot be attached by a volid.

System action:
The migration terminates.

System programmer response:
Check why the specified real device number cannot be attached by its volid. Perhaps it has been established as a secondary PPRC volume.

Detecting CSECT:
GTDVICOM

GTD6161E real device *devn* is a CMS formatted disk

Explanation:
The specified real device number cannot be migrated as it has a CMS format label. Only disks with a z/OS compatible layout can be migrated with TDMF.

System action:
The migration terminates.

System programmer response:
Consider moving the CMS formatted disk volume to a minidisk on a volume which is compatible with z/OS.

Detecting CSECT:
GTDVSUBS

GTD6162E real device *devn* is not compatible with TDMF for z/OS

Explanation:
The specified real device number cannot be migrated as it has an unknown format label. Only disks with a z/OS compatible layout can be migrated with TDMF.

System action:
The migration terminates.

System programmer response:
Consider moving the CMS formatted disk volume to a minidisk on a volume which is compatible with z/OS.

Detecting CSECT:
GTDVSUBS

GTD6163E an error occurred when trying to take source device *devn* back online

Explanation:
The ONLINESource option was specified but multiple attempts to take this source device back online failed.

System action:
The migration continues. Try to manually vary the specified device online.

System programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDVSUBS

GTD6164E a VTOC could not be located on real device *devn* (*commvol*)

Explanation:
A VTOC could not be found on the specified device which should be used as the SYSCOM volume.

System programmer response:
Contact technical support for assistance if volume initialization and re-allocation of the SYSCOM dataset is of no avail.

User response:
Verify that the SYSCOM volume is properly initialized and re-allocate the SYSCOM dataset.

Detecting CSECT:
GTDVICOM

GTD6165E SYSCOM dataset *commds* could not be found on *devn* (*commvol*)

Explanation:
A VTOC could not be found on the specified device which should be used as the SYSCOM volume.

System programmer response:
Contact technical support if the SYSCOM dataset does exist on the specified volume.

User response:
Verify that the SYSCOM dataset resides on the specified volume.

Detecting CSECT:
GTDVICOM

GTD6166E multi-volume SYSCOM dataset *commds* not supported

Explanation:
It appears that the specified SYSCOM dataset is a multi-volume dataset which is not supported.

System programmer response:
Contact technical support if the SYSCOM dataset is not a multi-volume dataset.

User response:
Re-allocate the SYSCOM dataset as a single-volume dataset.

Detecting CSECT:
GTDVICOM

GTD6167E SYSCOM dataset commds has multiple extents on real device *devn* (*commvol*)

Explanation:
It appears that the specified SYSCOM dataset has multiple extents which is not supported.

System programmer response:
Contact technical support if the SYSCOM dataset is not a multi-volume dataset.

User response:
Re-allocate the SYSCOM dataset with contiguous space dataset.

Detecting CSECT:
GTDVICOM

GTD6168E real device address for SYSCOM volume *commvol* could not be determined

Explanation:
The real device address of the SYSCOM volume specified with the SESSION command could not be determined.

System programmer response:
Contact technical support if the SYSCOM volume with the specified volume serial number is online.

User response:
Specify the correct SYSCOM volume serial number or real device address.

Detecting CSECT:
GTDVICOM

GTD6169E specified SYSCOM real device address *devn* not found

Explanation:
The real device address specified on the SESSION command cannot be found.

System programmer response:
Contact technical support if the SYSCOM volume with the specified real device address is online.

User response:
Specify the correct SYSCOM volume serial number or real device address.

Detecting CSECT:
GTDVICOM

GTD6170E specified SYSCOM volume *devn* (*commvol*) is attached to user

Explanation:
The SYSCOM volume specified on the SESSION command is attached to the system or a user.

User response:
Use a different free online volume as the SYSCOM volume or detach the specified volume from the system or user if possible.

Detecting CSECT:
GTDVICOM

GTD6171E the SYSCOM minidisk real device *devn* does not support reserve/release

Explanation:
The underlying real device of the specified SYSCOM volume cannot be reserved. Access to the SYSCOM dataset cannot be serialized on this volume.

User response:
Use another disk supporting reserve/release as the SYSCOM volume.

Detecting CSECT:
GTDVICOM

GTD6172E the SYSCOM minidisk on real device *devn* is not defined with the V suffix

Explanation:
The underlying real device of the specified SYSCOM volume cannot be reserved. Access to the SYSCOM dataset cannot be serialized on this volume.

System programmer response:
Verify that the minidisk is defined with the V suffix in the user directory.

Detecting CSECT:
GTDVICOM

GTD6173E the SYSCOM minidisk *devn* is not defined as a full-pack minidisk

Explanation:

The specified virtual device address is not a full-pack minidisk. Access to the SYSCOM dataset cannot be serialized on this volume.

User response:
Use a full-pack minidisk defined with the V suffix in the user directory on a volume which is defined as shared in the system configuration.

Detecting CSECT:
GTDVICOM

GTD6174E The SYSCOM minidisk real device *devn* is not defined as SHARED.

Explanation:
The real device of the specified SYSCOM minidisk is not defined as SHARED. Access to the SYSCOM dataset cannot be serialized on this volume.

System programmer response:
If the SYSCOM volume should be defined as a minidisk the underlying real device must be defined as SHARED in the system configuration and the minidisk must be defined with the V suffix in the user directory.

User response:
Use another SYSCOM volume which supports real reserve/release.

Detecting CSECT:
GTDVICOM

GTD6175W target volume *volser* is dedicated to user by its real device number *devn*

Explanation:
A target volume is defined by its real device address in a user entry of the VM directory. When the migration successfully completes the source volume will be mounted on a new real device number. It is recommended to update the directory entry with the new real device number or assign the device by its volume serial number.

System action:
The migration continues.

Detecting CSECT:
GTDVVCHK

GTD6176W target volume *volser* is defined as a DEVNO minidisk for *user*

Explanation:
A target volume is defined as a minidisks with the DEVNO parameter in a user entry of the VM directory. When the migration successfully completes the target volume will be mounted on a new real device number. It is recommended to update the directory entry with the new real device number or assign the device by its volume serial number.

System action:
The migration continues.

Detecting CSECT:
GTDVVCHK

GTD6177E error creating external interrupt handler (RC=*rc*)

Explanation:
The TDMF Server virtual machine could not establish its external interrupt handler. The given return code is from the HNDEXT macro.

System action:
The migration terminates.

System programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDVINIT

GTD6178E device status monitor has terminated

Explanation:
The device status monitor has been terminated because of a previous error. The z/VM Agent for TDMF Server virtual machine no longer tracks device status changes for migration volumes. This could lead to data integrity issues if an offline volume which is part of a migration session is taken online and used (updated) before the migration terminates.

System action:
The migration continues.

System programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDVDMON

GTD6179E device status monitor error in function *func* (RC=*rc*, RSN=*rsn*)

Explanation:
The device status monitor indicated a problem.

System action:
The migration continues.

System programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDVDMON

GTD6180E device status monitor warning in function *func* (RC=*rc*, RSN=*rsn*)

Explanation:
The device status monitor indicated a problem.

System action:
The migration continues.

System programmer response:

Contact technical support for assistance.

Detecting CSECT:
GTDVDMON

GTD6181E **device status monitor error in function *func* (FLAG=*flag*)**

Explanation:
An error occurred waiting for a device status event.

System action:
The migration continues.

System programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDVDMON

GTD6182E **device status monitor could not be started**

Explanation:
The device status monitor could not be started because the TDMF diagnose instruction returned with a non-zero condition code. The z/VM Agent for TDMF Server virtual machine will not track device status changes for migration volumes. This could lead to data integrity issues if an offline volume which is part of a migration session is taken online and used (updated) before the migration terminates.

System action:
The migration continues.

System programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDVDMON

GTD6183D ***csect:text***

Explanation:
The specified trace point has been reached.

System action:
The migration continues.

Detecting CSECT:

GTD6184W **UCB pointer mismatch in *cb* for *type* volume *volser***

Explanation:
A migration volume was taken online but the pointer to the simulated UCB did not match the corresponding one in the specified control block (MSVE/WORK).

System action:
The migration continues.

System programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDVDMON

GTD6185W ***type* migration volume *volser(addr)* was taken offline**

Explanation:
A migration volume was taken offline while a migration session was active.

System action:
The migration continues.

Detecting CSECT:
GTDVDMON

GTD6186W **the abending session thread has been hard terminated**

Explanation:
A migration session abended but no cleanup processing was performed because a valid session control block pointer was not available at the time of the abend. The session thread is canceled but the TDMF master system will not be notified.

System action:
The agent system session terminates and the master system eventually times out.

System programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDVSESS

GTD6187I **The migration session will be terminated because of an unrecoverable error**

Explanation:
An attempt to properly terminate the abending migration session thread was made but additional abends occurred.

System action:
The migration will be terminated.

System programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDVSESS

GTD6188I **TDMF Server virtual machine is active as user *user***

Explanation:
The device status monitor could not be started because the z/VM Agent for TDMF Server virtual machine is active in another virtual machine.

System action:
The z/VM Agent for TDMF Server virtual machine will be terminated.

System programmer response:
Stop the other z/VM Agent for TDMF Server virtual machine virtual machine if required.

Detecting CSECT:
GTDVINIT

GTD6192E **migration of source volume *source-volser* is not supported because of guest attached PAV or HyperPAV alias devices**

Explanation:
z/VM Agent for TDMF detected that PAV or HyperPAV alias devices for the requested source base volume are attached to a guest virtual machine.

System action:
The volume migration is terminated.

System programmer response:
In order to migrate the specified volume modify the guest virtual machine configuration and attach the alias device(s) to SYSTEM.

User response:
The z/VM HYPERSWAP command does not support PAV or attached PAV or HyperPAV alias devices.

Detecting CSECT:
GTDVDIAG

GTD6193E **migration to target volume *target-volser* is not supported because of guest attached PAV or HyperPAV alias devices**

Explanation:
z/VM Agent for TDMF detected that PAV or HyperPAV alias devices for the requested target base volume are attached to a guest virtual machine.

System action:
The volume migration is terminated.

System programmer response:
In order to migrate the specified volume modify the guest virtual machine configuration and attach the alias device(s) to SYSTEM.

User response:
The z/VM HYPERSWAP command does not support PAV or attached PAV or HyperPAV alias devices.

Detecting CSECT:
GTDVDIAG

GTD6801I ***modname* installed as SYSIOMON exit (EP=*addr*)**

Explanation:
The module indicated in the message has been installed as the I/O monitor exit SYSIOMON.

Detecting CSECT:
GTDVSMON

GTD6802W **Apar VM65537 not applied. SYSIOMON exit is not called for paging and spooling I/O.**

Explanation:
The z/VM Apar VM65537 has not been applied. This indicates that the I/O monitor exit SYSIOMON is not called for paging nor spooling I/O.

Detecting CSECT:
GTDVIMON

GTD6803E **a foreign SYSIOMON exit is already installed.**

Explanation:
TDMF/VM detected that a foreign SYSIOMON exit is already installed on this z/VM system. TDMF/VM cannot track I/Os to migration volumes and will terminate.

Detecting CSECT:
GTDVIMON

GTD6804I **TDMF/VM SYSIOMON already installed.**

Explanation:
A request to install the TDMF/VM SYSIOMON exit was issued but the exit is already installed.

Detecting CSECT:
GTDVIMON, GTDVDIAG

GTD6805E **invalid parameter specified.**

Explanation:
A TDMF/VM I/O monitor request was issued but invalid parameters were specified.

Detecting CSECT:
GTDVIMON

GTD6806W **error allocating CMPBK for GTD. Continuing without CMPBK.**

Explanation:
An error occurred when allocating a CMPBK for GTD.

Detecting CSECT:
GTDVIMON

GTD6807I **pointer to SYSIOMON exit cleared.**

Explanation:
Pointer to SYSIOMON exit cleared.

Detecting CSECT:
GTDVIMON

GTD6810I **&1 = &2 USER=&3**

Explanation:
Some CMPK fields are displayed.

Detecting CSECT:
GTDVIMON

GTD6811E **VMDBK for z/VM Agent for TDMF Server virtual machine &1 not found.**

Explanation:
The VMDBK for the z/VM Agent for TDMF Server virtual machine could not be found.

Detecting CSECT:
GTDVIMON

GTD6812I z/VM Agent for TDMF Server virtual machine &1 linked to I/O monitor.

Explanation:
The indicated z/VM Agent for TDMF Server virtual machine is now linked to the I/O monitor.

Detecting CSECT:
GTDVIMON

GTD6813I z/VM Agent for TDMF Server virtual machine &1 unlinked from I/O monitor.

Explanation:
The indicated z/VM Agent for TDMF Server virtual machine is not longer linked to the I/O monitor.

Detecting CSECT:
GTDVIMON

GTD6815I undefined message

Explanation:
This message has not yet been defined.

Detecting CSECT:
GTDVDIAG

GTD6817I GTD component block for TDMF/VM not found.

Explanation:
The GTD component block for TDMF/VM could not be found.

Detecting CSECT:
GTDVDIAG

GTD6818E Foreign SYSIOMON exit not cleared. Use CLEAR FORCE if absolutely sure.

Explanation:
A foreign SYSIOMON exit is installed. Usually the exit should be deactivated before TDMF/VM can be restarted. The FORCE parameter can be specified to clear the exit pointer anyway.

Detecting CSECT:
GTDVSMON

GTD6819E already processing another device monitor request

Explanation:
A device monitor action was requested but another request is already active.

System action:
TDMF continues.

System programmer response:
Report this error to technical support.

Detecting CSECT:
GTDVDIAG

GTD6820E device monitor is already active

Explanation:
A device monitor activation was requested but the device monitor was already active.

System action:
TDMF continues.

System programmer response:
Report this error to technical support.

Detecting CSECT:
GTDVDIAG

GTD6821E device monitor is not active

Explanation:
A device monitor deactivation was requested but the device monitor was not active.

System action:
TDMF continues.

System programmer response:
Report this error to technical support.

Detecting CSECT:
GTDVDIAG

GTD6822E device monitor is not started

Explanation:
A device monitor stop was requested but the device monitor was not started.

System action:
TDMF continues.

System programmer response:
Report this error to technical support.

Detecting CSECT:
GTDVDIAG

GTD6823E an invalid device monitor request was detected

Explanation:
An invalid device monitor request was detected.

System action:
TDMF continues.

System programmer response:
Report this error to technical support.

Detecting CSECT:
GTDVDIAG

GTD6824I device monitor has started

Explanation:
A TDMF diagnose was issued to start the device monitor.

System action:
TDMF continues.

Detecting CSECT:
GTDVDIAG

GTD6825I device monitor has been activated

Explanation:
A TDMF diagnose was issued to activate the disabled device monitor.

System action:
TDMF continues.

Detecting CSECT:
GTDVDIAG

GTD6826I device monitor has been deactivated

Explanation:
A TDMF diagnose was issued to deactivate the enabled device monitor.

System action:
TDMF continues.

Detecting CSECT:
GTDVDIAG

GTD6827I device monitor has been stopped

Explanation:
A TDMF diagnose was issued to stop the device monitor.

System action:
TDMF continues.

Detecting CSECT:
GTDVDIAG

GTD6828W I/O monitor was deinstalled by foreign user

Explanation:
The I/O monitor hook was deinstalled by a user other than the one it installed.

System action:
TDMF continues.

Detecting CSECT:
GTDVSMON

GTD6829W device status monitor active for user *user*

Explanation:
The device status monitor is active for another virtual machine. In order to stop monitoring device status TDMF executing in the other virtual machine must be stopped or status monitoring can be forced to stop by using the CP command GTDVCLUP.

Detecting CSECT:
GTDVDIAG

GTD6998E too many parameters were specified for tmsg

Explanation:
Too many parameters were passed to the tmsg macro.

System action:
TDMF continues.

Programmer response:
Report this error to technical support.

Detecting CSECT:
GTDVTMSC

GTD6999E message number *msgno* could not be retrieved

Explanation:
An invalid message number was used to display a message.

System action:
TDMF continues.

Programmer response:
Report this error to technical support.

Detecting CSECT:
GTDVTMSC

GTD8000I *control-statement*

Explanation:
Reflection of an input control statement to the report file.

System action:
The program begins analysis of the control statement. If the first character is an asterisk, the statement is ignored and the next record is read from the IPGMIN dataset.

Detecting CSECT:
GTDIPGM

GTD8001S Syntax error in control statement.

Explanation:
The program was unable to successfully parse the input control statement.

System action:
The program continues to read and analyze the input control statements, but will terminate before attempting to register with active TDMF sessions.

Problem determination

This message is written if:

The control statement is blank.

The control statement continues into column 71.

An expected control statement parameter is missing.

The parameter of an"EXCLUDE" statement is not a volume serial number, a list of volumes enclosed in parentheses or a validly specified dataset name.

The parameter of an"INCLUDE" statement is not a volume serial number, a list of volumes enclosed in parenthesis, a validly specified dataset name or a dataset name pattern in the form"ENTRIES(*name*)" or "LEVEL(*dataset-level*)".

Detecting CSECT:
GTDIPGM

GTD8002S Unknown keyword in control statement.

Explanation:
The first non-blank item on the control statement was not recognized as a valid GTDIPGM keyword.

System action:
The program continues to read and analyze the input control statements, but will terminate before attempting to register with active TDMF sessions.

Problem determination

The only currently supported keywords are:

INCLUDE
EXCLUDE
PARM
PROGRAM
SNAP

Detecting CSECT:
GTDIPGM

GTD8004I Registered on *number* TDMF session(s).

Explanation:
Registration was successfully achieved for all the volumes selected for I/O redirection - either explicitly (via INCLUDE control statements) or implicitly (DD statements). The message text includes the number of TDMF sessions to which registration was necessary.

System action:
The program will attach and monitor the program for which I/O redirection was requested.

Detecting CSECT:
GTDIPGM

GTD8005I Source Actual Session Point-in-Time Complete (TOD)

Explanation

This message heads a list of volumes for which registration was successfully achieved.

For each volume, the following four items are displayed:

The volume for which I/O requests will be redirected.

The serial number of the volume which will service these I/O requests.

The jobname of the TDMF Master or Agent job which made the point-in-time copy of the volume.

The point in time (a TOD clock value) at which the two volumes were synchronized.

System action:
The program will attach and monitor the program for which I/O redirection was requested.

Detecting CSECT:
GTDIPGM

GTD8006E Program not eligible for OVA.

Explanation:
TDMF does not support I/O redirection for the program specified on the preceding input control statement.

System action:
The program will continue to read and analyze the input control statements, then terminate without attempting to register to a TDMF session.

Programmer response:
If the program being invoked is critical to the exploitation of Offline Volume Access (OVA), contact technical support for assistance.

Detecting CSECT:
GTDIPGM

GTD8007S Attach of user program failed. R15=*return-code*.

Explanation:
The ATTACH macro returned a non-zero code. The code is displayed in the message as a decimal value.

System action:
The program attempts to deregister from the TDMF session(s) and then terminates.

Programmer response:
Contact technical support for assistance.

Problem determination:
Programming error.

Detecting CSECT:
GTDIPGM

GTD8008W Unexpected dynamic allocation of volume *volser*.

Explanation:
During execution of the attached program, a successful dynamic allocation request was made for a dataset on the volume whose serial appears in the message text. The dataset does not have a disposition of NEW or MOD, and there was no"INCLUDE" or "EXCLUDE" control statement for its volume serial number(s).

System action:
If GTDIPGM determines that a volume being allocated is an OVA volume, the dataset will be deallocated and the dynamic allocation request will be failed (error code 0220, requested volume not available).

User response:
Provide "INCLUDE" or "EXCLUDE" statements for those datasets and volumes which will be dynamically allocated by the attached program.

Detecting CSECT:
GTDIPGM

GTD8009W Program not approved for OVA.

Explanation:
The TDMF engineering group has not certified the program specified on the preceding input control statement for Offline Volume Access (OVA) processing.

System action:
The program continues processing. A final return code of not less than four will be set.

Programmer response:
If the program being invoked is critical to the exploitation of OVA, contact technical support to request that the program be certified for OVA I/O redirection.

Detecting CSECT:
GTDIPGM

GTD8010S GTDIPGM not APF authorized.

Explanation:
GTDIPGM must be linkedited (bound) with the "AC=1" parameter or with the "SETCODE AC(1)" control statement. The program must also be executed from an APF authorized library. If GTDIPGM will be fetched from the JOBLIB or STEPLIB concatenation, there must be no non-authorized libraries specified.

System action:
Execution is terminated.

User response:
Check the linkage edit attributes of the GTDIPGM program and remove non-authorized libraries from the JCL.

Programmer response:
Consider copying the GTDIPGM and GTDIP01 modules to an authorized LNKLST library.

Detecting CSECT:
GTDIPGM

GTD8011W Bypass Password Protection attribute not supported.

Explanation:
The Program Properties Table (PPT) contains an entry for the program specified on the preceding input control statement, assigning the "Bypass Password Protection" (NOPASS) attribute. This attribute is not honored for a program using the GTDIPGM execution interface.

System action:
The program continues processing. A final return code of not less than four will be set.

Programmer response:
If the program being invoked does not require the NOPASS attribute, this should be removed from the active SCHEDxx parameter library member. If this attribute is necessary for the correct operation of the program in an OVA environment, contact technical support for assistance.

Detecting CSECT:
GTDIPGM

GTD8012S Program name may only be specified once.

Explanation:
Duplicate PROGRAM keywords have been found in the input stream.

System action:
The program will continue to read and analyze the remaining control statements, but will then terminate.

Detecting CSECT:
GTDIPGM

GTD8013S Program name is invalid.

Explanation:
The parameter of a PROGRAM statement is greater than eight characters in length.

System action:
The program will continue to read and analyze the remaining control statements, but will then terminate.

Detecting CSECT:
GTDIPGM

GTD8014S Unbalanced quotes.

Explanation:
The parameter of a PARM statement begins with a single quote, but the terminating quote cannot be found on the control statement.

System action:
The program will continue to read and analyze the remaining control statements, but will then terminate.

Detecting CSECT:
GTDIPGM

GTD8015S Invalid parameter.

Explanation:
The operand of a PARM statement is a quoted string with a length of zero.

System action:
The program will continue to read and analyze the remaining control statements, but will then terminate.

User response:
To supply a null parameter to the attached program, simply remove the PARM statement.

Detecting CSECT:
GTDIPGM

GTD8016S Parameter is longer than 100 characters.

Explanation:
The combined lengths of the parameters of the supplied PARM control statements exceed the maximum supported by JCL.

System action:
The program will continue to read and analyze the remaining control statements, but will then terminate.

User response:
If the attached program requires more than 100 characters of parameter information, its vendor will have provided an alternative parameter mechanism.

Detecting CSECT:
GTDIPGM

GTD8017S Number of included volumes exceeds maximum.

Explanation:
More than 512 volume serial numbers were supplied for I/O redirection, either explicitly or by including dataset names.

System action:
The program will continue to read and analyze the remaining control statements, but will then terminate.

User response:
If there are control statements of the type"INCLUDE ENTRIES(*name*)" or "INCLUDE LEVEL(*level*)" followed by EXCLUDE statements for some of the datasets or volumes which would have been extracted from these catalog entries, the EXCLUDE statements should be moved so that they precede the INCLUDE control statements.

Detecting CSECT:
GTDIPGM

GTD8018S Number of excluded volumes exceeds maximum.

Explanation:
More than 64 volume serial numbers were supplied for exclusion from I/O redirection, either explicitly or by specification of datasets for exclusion.

System action:
The program will continue to read and analyze the remaining control statements, but will then terminate.

Detecting CSECT:
GTDIPGM

GTD8019S Unable to locate this dataset. R15=*return-code* R0=*additional*.

Explanation:
For either an INCLUDE or EXCLUDE statement, a LOCATE macro was used to determine the volume serial(s) on which the dataset in the preceding control statement resides. A non-zero return code was received from the LOCATE service. For some return codes, additional information is returned in general purpose register zero (R0).

System action:
The program will continue to read and analyze the remaining control statements, but will then terminate.

Detecting CSECT:
GTDIPGM

GTD8020S Volume appears on both inclusion and exclusion lists: *volser*.

Explanation:
The specified volume was specified in both INCLUDE and EXCLUDE control statements. Volumes which are included ONLY as a result of an "INCLUDE LEVEL(*level*)" or "INCLUDE ENTRIES(*name*)" control statement MAY be removed from the inclusion list by an EXCLUDE statement and this message will not be issued for these volumes.

System action:
The program will continue to read and analyze the remaining control statements, but will then terminate.

User response:
This situation is most commonly caused by specification of a dataset name for inclusion or exclusion, without sufficient consideration of on which volume(s) it is cataloged.

Detecting CSECT:
GTDIPGM

GTD8021S Error return code set by GTDIP01: *return-code*.

Explanation
An error was encountered during registration or deregistration processing. This message will usually be

preceded by one or more explanatory messages from GTDIP01. Possible error return codes include:

08 Deregistration timed out
12 Error during registration
16 Abnormal termination

System action:
The program terminates.

Detecting CSECT:
GTDIPGM

GTD8022S No user program name supplied.

Explanation:
The input control statement stream has been read to end of file; no valid PROGRAM statement was found.

System action:
The program terminates.

Detecting CSECT:
GTDIPGM

GTD8023S No volumes selected for I/O redirection.

Explanation:
No volume has been specified for I/O redirection. This can occur if there are no INCLUDE statements and if EXCLUDE statements were found for all of the DASD volumes allocated through DD statements in the JCL.

System action:
The program terminates.

Detecting CSECT:
GTDIPGM

GTD8024S Number of pre-allocated and included volumes exceeds maximum.

Explanation:
After reading the input control statements, the program is adding the volumes allocated through the JCL DD statements to the inclusion list (for I/O redirection). The total number of volumes has exceeded 512, which is currently the maximum number supported.

System action:
The program terminates.

Detecting CSECT:
GTDIPGM

GTD8025S Volume *volser*, DD statement *DDname* is a P-i-T copy of volume *volser*

Explanation:
After registration of the volumes specified by INCLUDE statements and those specified in the JCL, the program checks the DD statements to ensure that no volume is allocated to the job step which is being used by TDMF as the target for one of the included volumes. This message is issued when an excluded volume is itself the TDMF target of an included volume.

System action:
The program deregisters and terminates.

Programmer response:
Allocation of a TDMF target volume should never occur. Contact technical support for assistance.

Detecting CSECT:
GTDIPGM

GTD8026I Source vol Actual vol Number of redirected I/O requests.

Explanation

After execution of the specified program and deregistration from the TDMF session(s), GTDIPGM reports on I/O redirection activity for the attached task. The information is displayed in four columns:

The volume for which I/O requests were intercepted and redirected.
The serial number of the volume to which the I/O requests were redirected (the Point-In-Time target volume).
The total number of I/O requests redirected for this volume.
The number of these I/O requests which updated the target volume.

System action:
The program prints these data for each included volume.

Detecting CSECT:
GTDIPGM

GTD8027I Program *program* completed. Return code: *return-code*.

Explanation:
The attached program has completed with the return or abnormal termination (ABEND) code displayed in the message.

System action:
If the return code is higher than any generated by GTDIPGM, it will be used as the job step return code. If the attached program terminated abnormally, GTDIPGM will set a return code of 16.

Detecting CSECT:
GTDIPGM

GTD8028I Serial number substitution was performed for volume.

Explanation:

During analysis of redirected I/O operations by the TDMF I/O monitor (IMON), a channel program was encountered which attempted to read the volume label from track zero of an included volume. Because I/O was redirected to a TDMF Point-In-Time copy volume, and to make this process as transparent as possible, the I/O monitor has substituted the source volume's serial number into the volume label record in an input buffer.

System action:
The program continues to report on I/O redirection statistics for the remaining volumes in the inclusion list.

Detecting CSECT:
GTDIPGM

GTD8029S **Program *program* abandoned; uncorrectable error.**

Explanation:
The job step terminated with an uncorrectable error (for example, an operator "cancel" command).

System action:
The program deregisters from the TDMF session(s), provides the I/O redirection statistics report and then terminates.

Detecting CSECT:
GTDIPGM

GTD8030S **SWAREQ failed for DD statement *DDname*, Return code: *return-code*.**

Explanation:
GTDIPGM examines the Job File Control Blocks (JFCB) to find new dataset allocations which are then excluded from I/O redirection. During this process, the scheduler has rejected a request to locate the JFCB for a dataset.

System action:
The program terminates.

Programmer response:
Contact technical support for assistance.

Problem determination:
The return code from the SWAREQ macro and the name of the DD statement being processed are provided in the message.

Detecting CSECT:
GTDIPGM

GTD8031S **JCL includes a new allocation on a DASD volume which was included for I/O redirection.**

Explanation

The JCL contains a request to allocate a dataset on a volume for which registration and I/O redirection will be performed. If the Point-In-Time copy migration was complete before the step was initiated, the scheduler will have built this dataset only on the source volume. An attempt to OPEN the dataset by the invoked program would be redirected to the VTOC on the target volume, resulting in an Abend S213-04 (dataset not found on volume).

Note that a dataset which appears in the JCL with "DISP=MOD" will always be treated as a new allocation (and therefore its volumes will be excluded from I/O redirection) even if the dataset existed before the OVA job started.

System action:
The program terminates.

User response:
Ensure that EXCLUDE statements are supplied for all the volumes referenced by the JCL for the step, and for which I/O redirection is not required. EXCLUDE statements must also be provided for non-OVA volumes which would otherwise be included for I/O redirection as a result of any "INCLUDE LEVEL(*level*)" or "INCLUDE ENTRIES(*name*)" control statements supplied. Ensure that the volumes for which I/O redirection is required are ineligible for non-specific new dataset allocations as soon as their Point-In-Time copy migrations are complete.

Detecting CSECT:
GTDIPGM

GTD8032S **IOSCAPU failed for volume *volser*. Return code: *return-code*. Reason code: *reason-code*.**

Explanation:
After registration, GTDIPGM will capture any "LOC=ANY" UCB to which I/O might be redirected. Captured UCB addresses might be required in old format Reserve and DEQ parameter lists, instead of the 31-bit address of the target volume's UCB. The IOSCAPU macro has failed to return a captured UCB address. The return and reason codes are displayed in the message.

System action:
The program deregisters and terminates.

Programmer response:
Contact technical support for assistance.

Problem determination:
Programming or system error.

Detecting CSECT:
GTDIPGM

GTD8033S **IEFPPSCN failed for program *program-name*. Return code *return-code*.**

Explanation

GTDIPGM is attempting to retrieve the Program Properties Table (PPT) entry for the program specified in the preceding control statement. Expected return codes are:

00 PPT entry retrieved.
08 No PPT entry for the specified program.

The unexpected return code is displayed in the message.

System action:
The program continues with control statement validity checking, then terminates.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDIPGM

GTD8034S **Program *program-name* has unsupported properties.**

Explanation:
The Program Properties Table (PPT) entry for the program specified in the preceding control statement has options set which are not supported in an Offline Volume Access (OVA) session.

System action:
The program continues with control statement validity checking, then terminates.

Programmer response

Check the specification for the program in the SCHEDxx members of SYS1.PARMLIB. The entry for the program named in the message will have one or more of the following unsupported properties:

NOCANCEL
NODSI
NOPASS
PRIV
SYST

Note that the preferred storage options LPREF, SPREF and NOPREF are not honored by OVA.

Problem determination:
OVA only supports specification, through the PPT, of a non-standard protect key, non-standard CPU affinity and non-swappable status.

Detecting CSECT:
GTDIPGM

GTD8035S **SYSEVENT TRANSWAP failed. Return code *return-code*.**

Explanation:
GTDIPGM is making the job step non-swappable to honor a Program Properties Table "NOSWAP" option. An unexpected non-zero return code was set by the SYSEVENT SVC routine.

System action:
The program continues with control statement validity checking, then terminates.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDIPGM

GTD8036S **Unsuccessful attempt to set CPU affinity. Return code *return-code*.**

Explanation:
GTDIPGM is using SVC 59 to change the step's CPU affinity to match the Program Properties Table entry for the attached program. A non-zero return code was received from the SVC routine.

System action:
The program deregisters and terminates.

User response:
Contact technical support for assistance.

Detecting CSECT:
GTDIPGM

GTD8037S **SNAP output DDname may only be specified once.**

Explanation:
Duplicate SNAP control statements were found in the input stream.

System action:
The program will continue to read and analyze the remaining control statements, but will then terminate.

Detecting CSECT:
GTDIPGM

GTD8038S **Invalid DDname specification.**

Explanation:
The operand of the SNAP control statement cannot be used as a DD name. The operand must not exceed eight characters in length and must not be IPGMOUT, SYSABEND, SYSMDUMP or SYSUDUMP.

System action:
The program will continue to read and analyze the remaining control statements, but will then terminate.

User response:
If possible, use SYSSNAP to define the SNAP output file and supply the SNAP control statement without any operands.

Detecting CSECT:
GTDIPGM

GTD8039W Open failed for SNAP output file.

Explanation:
In response to a SNAP control statement, GTDIPGM has failed to open the dataset which will contain the SNAP output. The DD name used is either SYSSNAP, if the remainder of the control statement was blank, or the control statement operand, if not.

System action:
The program continues processing. No control blocks will be snapped and the final return code will not be less than four.

User response:
If SNAP output is required to document a problem in GTDIPGM, then this error should be corrected and the job resubmitted. Otherwise, remove the SNAP control statement.

Detecting CSECT:
GTDIPGM

GTD8040I FOLLOWING RESERVED (OVA) DATASETS UNAVAILABLE TO *jobname*.

Explanation:
An OVA job has successfully registered to one or more TDMF sessions, but there is ENQ resource contention between this job and another OVA job which is using dynamic allocation.

System action:
This message is followed by GTD8041I and GTD8042I.

Detecting CSECT:
GTDIPGM

GTD8041I DSN = *Dataset-Name*

Explanation:
This message is issued following GTD8040I for each dataset that is unavailable to this OVA job.

System action:
These messages are followed by GTD8042I.

Problem determination:
To determine which job has acquired ownership of the dataset, use the following MVS operator command:
Display GRS,C,RES=('AASF_DSN',*Dataset-Name*)

Detecting CSECT:
GTDIPGM

GTD8042I JOB *jobname* WAITING FOR (OVA) DATASETS

Explanation:
An OVA job has successfully registered to one or more TDMF sessions, but one or more datasets referenced in the JCL and resident on OVA volumes are currently in use by another OVA job. This message remains on the system console until it is deleted by the operator or the resource contention is relieved.

System action:
This OVA job waits until the datasets are available.

Detecting CSECT:
GTDIPGM

GTD8043W GQSCAN Macro failed. Return code *return-code*, reason code *reason-code*.

Explanation:
An OVA job is terminating and has attempted to use the GQSCAN macro to find OVA ENQ resources still owned by the initiator TCB in its address space. The GQSCAN macro was unsuccessful.

System action:
Termination continues without attempting to clean up ENQ resources owned by the address space.

Programmer response:
Use the "D GRS,RES=(AASF*,*)" operator command to determine whether there are still resources owned by the address space and terminate the appropriate initiator to cause them to be released.

Problem determination:
The return and reason codes in this message are the contents of bits 24-31 of R15 and R0 after execution of the GQSCAN macro. Both codes are displayed as hexadecimal.

Detecting CSECT:
GTDIPGM

GTD8044E Access Method Services failure. Return code X'*return-code*'.

Explanation:
An OVA INCLUDE control statement was converted to an Access Method Services LISTCAT command and passed to the IDCAMS utility program. The LISTCAT command was not successfully processed.

System action:
The program will continue to read and analyze the remaining control statements, but will then terminate.

User response:
Correct the INCLUDE control statement so that it can be processed by the Access Method Services LISTCAT command and resubmit the OVA job.

Problem determination:
Error messages from the IDCAMS utility are printed in the IPGMOUT message file, immediately following the INCLUDE statement.

Detecting CSECT:
GTDIPGM

GTD8045W **No volumes found for the previous INCLUDE statement.**

Explanation:
An OVA INCLUDE control statement was converted to an Access Method Services LISTCAT command and passed to the IDCAMS utility program. No DASD datasets or VSAM clusters were found in the subsequent report.

System action:
The program continues to read and analyze the remaining control statements.

User response:
Correct the INCLUDE control statement to ensure that the correct volumes will be added to the inclusion list for the OVA job.

Problem determination:
Execute Access Method Services, using the same JOBCAT and/or STEPCAT DD statement(s) as were supplied in the OVA job - if any - with a control statement consisting of the OVA INCLUDE statement where the word "INCLUDE" has been replaced by "LISTC VOL". This will recreate the catalog listing which was seen and interpreted by GTDIPGM.

Detecting CSECT:
GTDIPGM

GTD8047S **Attach of GTDIP03 program failed. R15=*return-code*.**

Explanation:
The ATTACH macro returned a non-zero code. The code is displayed in the message as a decimal value.

System action:
The program terminates.

Programmer response:
Contact technical support for assistance.

Problem determination:
Programming error.

Detecting CSECT:
GTDIPGM

GTD8048I **Master catalog on OVA volume *volser*.**

Explanation:
The volume containing this system's Master catalog was INCLUDEd for I/O redirection.

System action:
Processing continues. Note that accesses to the Master catalog by the Catalog Address Space on behalf of this job will NOT be redirected to the Point in Time target volume.

Detecting CSECT:
GTDIPGM

GTD8049I **Modify CATALOG command(s) issued for volume *volser*.**

Explanation:
This volume which was included for I/O redirection contains a system catalog. To protect the integrity of the catalog one or more commands have been issued to change the caching and sharing capabilities of the catalog(s) on the volume.

System action:
Processing continues. The caching and sharing capabilities will be restored by the TDMF session when all OVA jobs have completed.

Detecting CSECT:
GTDIPGM

GTD8050W **Caller's SVC Screen Table ignored.**

Explanation:
GTDIPGM was attached with Subsystem SVC Screening in effect. GTDIPGM does not propagate a caller's screen table to its subtasks.

System action:
Processing continues without the caller's screen table.

Programmer response:
Execute OVA jobs without SVC screening.

Detecting CSECT:
GTDIPGM

GTD8051W **Unsupported SHAREOPTIONS for catalog on volume *volser*.**

Explanation:
The indicated volume contains an active catalog which cannot be fully shared.

System action:
Processing continues. Note that accesses to the catalog(s) on this volume by the Catalog Address Space on behalf of this job will NOT be redirected to the Point in Time target volume.

User response:
Use the IDCAMS ALTER function to set SHR(3 4) for the catalog(s) on this volume. Ensure that the volume is mounted on a device that is generated as "shared". Note that after changing the catalog's SHAREOPTIONS, all OVA jobs currently using the volume must complete and deregister before TDMF will reset the volume OVA status to allow redirection of CAS I/O requests.

Detecting CSECT:
GTDIPGM

GTD8052S **Catalog Processor initialization failed.**

Explanation:

The GTDIP03 module was unable to initialize the catalog lookaside function.

System action:
The program attempts to deregister from the TDMF session(s) and then terminates.

Programmer response:
Contact technical support for assistance.

Problem determination:
Programming error.

Detecting CSECT:
GTDIPGM

GTD8100I Registration successful for TDMF job *jobname*.

Explanation:
The TDMF session identified in the message has accepted the registration request for one or more volumes.

System action:
The program continues with additional TDMF sessions, if necessary, until registration is complete for all the included volumes.

Detecting CSECT:
GTDIP01

GTD8101E No TDMF session found for volume *volser*.

Explanation:
Registration is delayed, because GTDIP01 is unable to find an active TDMF session for the volume indicated.

System action:
The program continues to attempt to locate a TDMF session for each of the volumes to be processed with OVA.

User response:
When the "eventual action required" console message is displayed, the user should submit the TDMF job(s) for the volume migration before the 15 minute registration time limit has elapsed.

Problem determination:
The search for TDMF sessions is performed every ten seconds for 15 minutes. The message is also issued as a WTO to the operator console when registration is first requested. The program deletes the message once a TDMF session migrating the volume has been found.

Detecting CSECT:
GTDIP01

GTD8102E Active migration for volume *volser* is not OVA type.

Explanation:
Registration has failed, because the volume indicated is active in a TDMF session, but the Offline Volume Access facility (OVA) option has not been specified for it.

System action:
The program returns to GTDIPGM.

Detecting CSECT:
GTDIP01

GTD8103E Invalid TDMF control block at address *virtual-address*.

Explanation:
The program found an active TDMF session for a volume but the control block chain is no longer valid. The virtual address of the TDMF control block is displayed.

System action:
The program returns to GTDIPGM.

User response:
This situation can occur if a TDMF session with OVA volumes is terminated while a registration is pending for additional TDMF sessions. The procedures in place for scheduling OVA jobs and terminating TDMF migrations need to be reexamined.

Detecting CSECT:
GTDIP01

GTD8104E Registration for TDMF job *jobname* timed out. Attempting backout.

Explanation:
The indicated TDMF session did not respond to a registration request within two minutes. However, TDMF has dequeued the request from the registration queue.

System action:
This volume and all those for which registration was successful will be deregistered. Control is then returned to GTDIPGM.

Detecting CSECT:
GTDIP01

GTD8105E Failed to back out registration for TDMF job *jobname*.

Explanation:
While attempting to backout after a registration error, a TDMF session failed to respond to a deregistration request before the two minute timeout interval elapsed.

System action:
If the deregistration request is still queued for the TDMF session it is dequeued. Backout of the remaining volumes is performed and control is returned to GTDIPGM.

Detecting CSECT:
GTDIP01

GTD8106E **Backout successful for job *jobname*.**

Explanation:
After a registration error, typically for a different TDMF job than that indicated in the message, GTDIP01 has successfully deregistered from this TDMF session.

System action:
Deregistration (backout) continues for additional TDMF sessions, if necessary, and control is returned to GTDIPGM.

Detecting CSECT:
GTDIP01

GTD8107E **Selected volume *volser* is in use by TDMF as a target volume.**

Explanation:
The indicated volume was selected for I/O redirection but it is in use as a target volume by an active TDMF session.

System action:
Registration is not attempted and control is returned to GTDIPGM.

User response:
The INCLUDE control statements must refer to the source volume of an OVA Point-In-Time copy pair.

Detecting CSECT:
GTDIP01

GTD8108E **Migration of *volser* is no longer active.**

Explanation:
Registration has failed, because the migration of the indicated volume had terminated before all of the included volumes had become "OVA ready".

System action:
The program continues to attempt to locate a TDMF session for each of the volumes to be processed with OVA.

User response:
When the "eventual action required" console message is displayed, the user should determine why the volume migration terminated and, if possible, resubmit a migration for the volume before the 15 minute registration time limit has elapsed.

Problem determination:
The search for TDMF sessions is performed every ten seconds for 15 minutes. If this time interval elapses without finding a TDMF session migrating each of the included volumes, this message, or GTD8101E, is issued for each of the volumes for which a TDMF session was not found. The message is also issued as a WTO to the operator console as soon as a volume which had previously been located in a TDMF session has terminated.

Detecting CSECT:
GTDIP01

GTD8109E **Termination request received for volume *volser*.**

Explanation:
Registration has failed, because the TDMF session for which the indicated volume was active has disallowed further registrations for the volume.

System action:
The program returns to GTDIPGM.

Problem determination:
A volume termination request accepted by the TDMF session for an active OVA volume causes rejection of additional registration attempts with this message. When the currently active Offline Volume Access jobs have deregistered, the volume migration is terminated.

Detecting CSECT:
GTDIP01

GTD8110I **Deregistration successful for job *jobname*.**

Explanation:
The volumes which are active in the named TDMF job have been deregistered. The I/O redirection statistics have been returned for display by GTDIPGM.

System action:
The program continues with deregistration of volumes from additional TDMF sessions.

Detecting CSECT:
GTDIP01

GTD8111E **Deregistration for TDMF job *jobname* timed out.**

Explanation:
No response was received from the named TDMF session before expiration of the two minute deregistration timer.

System action:
Deregistration is performed for the remaining TDMF sessions and control is returned to GTDIPGM.

User response:
If the TDMF session has not deleted the volume registrations for this job, it will never terminate normally and will need to be canceled.

Detecting CSECT:
GTDIP01

GTD8112E **Target volume *volser* is not available on this system.**

Explanation:
GTDIPGM has requested registration of a volume for which the Point-In-Time target device is not online.

System action:
Registration is abandoned.

User response:
Rerun the job on another MVS system.

Detecting CSECT:
GTDIP01

GTD8113E **Deregistration not attempted for TDMF session with control block at *virtual-address*.**

Explanation:
GTDIPGM has requested deregistration from all the associate TDMF sessions. However, one of these sessions is unable to process the deregistration request.

System action:
All I/O redirection statistics for the volumes active in this TDMF session are reset to zero. Deregistration from the remaining TDMF sessions is performed.

Problem determination:
This message is issued if the TDMF session is no longer active or is in the process of termination.

Detecting CSECT:
GTDIP01

GTD8114E **Registration failed for TDMF job *jobname*.**

Explanation:
GTDIPGM has requested registration for one or more volumes to the TDMF session named in the message text. The TDMF session is unable to complete the registration for all the volumes requested.

System action:
Any completed registrations will be backed out and the OVA job terminates.

Problem determination:
This situation can occur when an OVA volume is made unavailable for registration after the request is submitted to the TDMF session.

Detecting CSECT:
GTDIP01

GTD8115E **Deregistration failed for TDMF job *jobname*.**

Explanation:
GTDIPGM has requested deregistration for one or more volumes to the TDMF session named in the message text. The TDMF session is unable to complete the deregistration for all the volumes requested.

System action:
All I/O redirection statistics for the volumes active in this TDMF session are reset to zero. Processing continues with deregistration from the remaining TDMF sessions.

Detecting CSECT:
GTDIP01

GTD8116E **No TDMF session found for dataset *dsname*.**

Explanation:
Registration was delayed, and message GTD8101A was issued to the operator console, while GTDIP01 attempted to find an active TDMF session for the volume containing the dataset named in the message text. The search for TDMF sessions is performed every ten seconds for 15 minutes.

System action:
Registration fails and control returns to GTDIPGM.

User response:
If it was not intended to use an OVA copy of this dataset, the user should specify an EXCLUDE statement and resubmit the job. If the dataset has been unintentionally moved to a volume which is not participating in an OVA type migration, this would point to a problem in the way that storage is being managed.

Detecting CSECT:
GTDIP01

GTD8117I **Registration delayed for volume *volser*.**

Explanation:
The job attempted to register the specified volume to an active TDMF session, but the maximum number of concurrent registrations has been reached for the volume. The current limit is five OVA jobs per volume per system.

System action:
The registration is continually retried until it is successful.

Detecting CSECT:
GTDIP01

GTD8118I **Reason: *registration-failure-reason*.**

Explanation

This message follows GTD8114E and provides the user with an explanation for the registration failure. A registration failure can be caused by one of the following:

OVA halted for volume *volser*.
Volume *volser* unsuitable.
ASCB already registered.
I/O Monitor inactive, *volser*.

MSV control block error.
MSVE control block error.

System action:
Any completed registrations will be backed out and the OVA job terminates.

Detecting CSECT:
GTDIP01

GTD8120I Migration of volume *volser* not yet complete.

Explanation:
GTDIPGM has requested registration of the specified OVA volume. The volume is active in a TDMF session but has not yet been synchronized.

System action:
Registration for all the volumes in the inclusion list is delayed until this volume's Point-In-Time copy is complete.

Detecting CSECT:
GTDIP01

GTD8121I Migration of volume *volser* has now completed.

Explanation:
Message GTD8120I was previously issued for this volume. The volume's Point-In-Time copy migration is now complete.

System action:
When all the volumes have been located in TDMF, and all are ready for OVA exploitation, registration will be attempted.

Detecting CSECT:
GTDIP01

GTD9000I *control-statement*

Explanation:
Reflection of an input control statement, or the operator modify command text, to the report file.

Detecting CSECT:
GTDBMON

GTD9001I *task-name* TDMF Batch Monitor ready

Explanation:
The TDMF Batch Monitor has established the control structures necessary for operator communications using the *task-name*.

Detecting CSECT:
GTDBMON

GTD9002S TDMF Batch Monitor already active on this system

Explanation:
A previously started copy of the TDMF Batch Monitor is already running.

System action:
The TDMF Batch Monitor terminates with return code 12.

Detecting CSECT:
GTDBMON

GTD9003S TDMF Batch Monitor command processing terminating

Explanation:
The TDMF Batch Monitor has detected a command operand error in an input control statement.

System action:
The current input control statement is discarded and the remainder of the input stream will be checked for syntax only. The TDMF Batch Monitor will then terminate with return code 12.

Detecting CSECT:
GTDBMON

GTD9004S TDMF Batch Monitor not authorized. Terminating.

Explanation:
The TDMF Batch Monitor has issued a TESTAUTH macro and determined that its current execution is not APF authorized.

System action:
The TDMF Batch Monitor terminates with return code 12.

Operator response:
Rerun using control statement input and/or contact your Systems Programmer.

Programmer response:
Grant the TDMF Batch Monitor library APF authorization or install the TDMF Batch Monitor in an authorized library.

Problem determination:
Verify that the TDMF Batch Monitor was installed in an APF authorized library and that module GTDBMON was link-edited with option AC=1 or the binder statement `SETCODE AC(1)`.

Detecting CSECT:
GTDBMON

GTD9005W All active TDMF sessions have Master system elsewhere.

Explanation:
The TDMF Batch Monitor is active in an MVS system where there are no active TDMF Master systems. In this situation, only the query command will complete without error (and its output may be incomplete).

Operator response:

It is recommended that the TDMF Batch Monitor always be started on, or submitted to, the MVS system on which the TDMF sessions to be controlled have their Master systems active.

Detecting CSECT:
GTDBMON

GTD9006I ***task-id*** **Command complete**

Explanation:
The appropriate TDMF session has been notified to process the function requested by the most recent modify command.

Detecting CSECT:
GTDBMON

GTD9007E ***task-id*** **Command rejected;** ***name*** **is not known to TDMF.**

Explanation:
The volume serial number or group name *name* from the just entered modify command is not active in any current TDMF session.

Detecting CSECT:
GTDBMON

GTD9008E ***task-id*** **Command rejected; TDMF Master system for** ***name*** **on** ***system-name*****.**

Explanation:
The volume serial number or group name *name* is known to TDMF, but commands for this session cannot be entered from this MVS system. The TDMF Master system is active on MVS system *system-name*.

Detecting CSECT:
GTDBMON

GTD9009W **No TDMF sessions active on this system.**

Explanation:
Issued in the situation where SYSIN input is provided. The Batch Monitor is unable to locate an active TDMF session on its MVS system.

Detecting CSECT:
GTDBMON

GTD9010S **Logic error; contact technical support.**

Explanation:
An attempt to locate active TDMF sessions has given unexpected results. GTDBMON terminates with a user Abend code of 0010. The reason code for this Abend can be used by technical support personnel to pinpoint the failure cause.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDBMON

GTD9011E ***task-id*** **Command rejected; unknown function**

Explanation:
The command code (the first operand of the operator's modify command) is not recognized as a valid Batch Monitor command. Only ALLOW, CONFIRM, CONTINUE, END, HALT, PROMPT, QUERY, RECYCLE, SUSPEND, SYNCHRONIZE, TERMINATE commands and their single character abbreviations are valid.

Detecting CSECT:
GTDBMON

GTD9012E ***task-id*** **Command rejected; missing or unrecognized parameter**

Explanation:
The operator has not supplied a parameter on the modify command. For example, a command may be missing a required (source) volume serial or group name. For the APPROVE command, the job name may be missing or the action is not YES or NO.

Detecting CSECT:
GTDBMON

GTD9013S ***task-id*** **Invalid CIB pointer. Terminating.**

Explanation:
The command ECB has been posted by the MVS command scheduler, but no Command Input Buffer has been supplied. Probable logic error. The Batch Monitor terminates with user Abend 0052.

Detecting CSECT:
GTDBMON

GTD9014S ***task-id*** **Delete CIB failed. Terminating.**

Explanation:
The QEDIT macro used to delete the previous modify command's input buffer has returned a non-zero code in GPR15. The Batch Monitor terminates with user Abend 0053. The reason code for this Abend is the value returned in GPR15 by the QEDIT macro. GPR3 at the time of the Abend contains the address of the CIB being deleted.

Detecting CSECT:
GTDBMON

GTD9015I ***task-id*** **GTDBMON acknowledges 'stop' command.**

Explanation:
The operator has entered a "stop" or "P" command to terminate the TDMF Batch Monitor. The TDMF Batch Monitor terminates normally.

Detecting CSECT:
GTDBMON

GTD9016E ***task-id*** **Command rejected; group name too long**

Explanation:
The second operand of the modify command is greater than eight characters in length. The command is discarded and the TDMF Batch Monitor waits for another operator command.

Detecting CSECT:
GTDBMON

GTD9017E ***task-id*** **Command rejected; Synchronization time missing or invalid.**

Explanation:
The third operand of the modify command is either not present, is non-numeric, has a length greater than 15 characters, has a numerical value less than "5" or has a numerical value greater than "999". The command is discarded and the Batch Monitor waits for another operator command.

Detecting CSECT:
GTDBMON

GTD9019W ***task-id*** **No TDMF sessions active on this system**

Explanation:
The operator has requested a TDMF Batch Monitor function, but no TDMF sessions are active on this MVS system. The operator request is discarded.

Detecting CSECT:
GTDBMON

GTD9020E ***task-id*** **Command rejected; volume already terminated**

Explanation:
A request to terminate a volume was rejected because either the "complete" or "terminated" flag is set for the volume in its TDMF session.

Detecting CSECT:
GTDBMON

GTD9021E ***task-id*** **Command rejected; volume already suspended**

Explanation:
A request to terminate a volume was rejected because the "suspended" flag is set for the volume in its TDMF session.

Detecting CSECT:
GTDBMON

GTD9022E ***task-id*** **Command rejected; volume not suspended**

Explanation:
A request to continue a volume was rejected because the "suspended" flag is not set for the volume in its TDMF session.

Detecting CSECT:
GTDBMON

GTD9023E ***task-id*** **Command rejected; Prompt not outstanding**

Explanation:
A request to confirm synchronization of a volume or group was rejected because the TDMF session has not issued a synchronization prompt.

Detecting CSECT:
GTDBMON

GTD9024E ***task-id*** **Command rejected;** ***volser*** **is a group volume (member of group** ***groupid*****)**

Explanation:
A request to confirm synchronization of a volume, to set its synchronization target time or to confirm initiation of a volume migration was rejected because the volume is a member of a group. The group name must be specified to perform this function.

Detecting CSECT:
GTDBMON

GTD9025E ***task-id*** **Command failed; No volumes found with requested status**

Explanation:
A request to display (query) volumes with a specific migration status could not be completed. No volumes in currently active TDMF sessions have this status.

Detecting CSECT:
GTDBMON

GTD9026I ***task-id*** **TDMF Status (see Explanation for report)**

Explanation

TDMF Status

```
VOLSER  GRP/JOB  STATUS  VOLSER
GRP/JOB  STATUS
volser  groupid  status  volser
groupid  status
End of TDMF Status report
```

This multi-line message is the response to an operator "query" command. On each data line the serial number, the group name, job name or blanks and the current migration status for up to two migration source volumes are displayed. When the jobname is

displayed, the migration is running in Approval Mode and the approval prompt has been presented. The jobname is required when entering the APPROVE command from the Batch Monitor. The status can be any of the following:

Awaiting Allow	Volume being migrated from PPRC/ SRDF to nonmirrored device
Awaiting conf'm	Volume needs start confirmation
Awaiting prompt	Volume needs sync confirmation
Awaiting approv	Migration is running in approval mode and the Approval prompt is outstanding.
Waiting Recycle	Perpetual PiT volume needs RECYCLE or END command
Backed out	Backout processing complete
Compare	Copy complete; comparing source and target
Complete	Migration finished
Copy	In Purge or Copy phase
Inactive	Not yet activated
Quiesced	Ready to refresh or synchronize
Refresh	Copying refreshed tracks
Suspended	Copy suspended by the TDMF Batch Monitor
Swapped	Application I/O moved to target device
Sync	Synchronizing source and target contents
Waiting OVA	The Point-In-Time volume migration is complete for an OVA volume
OVA Active	The volume has one or more Offline Volume Access jobs registered
OVA Halted	Registrations have been disabled for the OVA volume
Waiting PPIT	Perpetual PiT volume ready for new refresh and synchronization cycle
Resume	The volume is no longer quiesced
Terminating	Termination request or error condition being processed
Terminated	Terminated because of error or the Batch Monitor
Unknown	Status not recognized by the Batch Monitor

Detecting CSECT:
GTDBMON

GTD9027E ***task-id*** **Command rejected; group name not valid with 'ALLOW'**

Explanation:
An "ALLOW" command was received with a group name as the operand. The command was rejected, as the "allow" function must be executed for each individual volume for which it is relevant.

Detecting CSECT:
GTDBMON

GTD9028E ***task-id*** **Command rejected; 'ALLOW mirror change' not outstanding.**

Explanation:
A request to allow selection of swap from a primary volume for migration to a mirrored device using a different technique was rejected because the TDMF session is not waiting for this permission.

Detecting CSECT:
GTDBMON

GTD9029S Control statement syntax error

Explanation:
The TDMF Batch Monitor has rejected an input control statement. This message is always followed by an explanatory message.

System action:
The TDMF Batch Monitor continues to syntax check the remaining control statements, then terminates with a condition code of 12.

Detecting CSECT:
GTDBMON

GTD9030I Missing volser or group

Explanation:
The control statement does not contain a one to eight character name of the volume or group to be manipulated.

Detecting CSECT:
GTDBMON

GTD9031I Invalid Group name.

Explanation:
The operand exceeds eight characters in length.

Detecting CSECT:
GTDBMON

GTD9032E ***task-id*** **Command rejected; APPROVAL Prompt is outstanding**

Explanation:
A request to terminate a volume or group was rejected because the TDMF session is waiting for a response from the Approval Prompt.

Detecting CSECT:
GTDBMON

GTD9033E ***task-id*** **Command rejected; Start confirmation not outstanding**

Explanation:
A request to allow initiation of a volume or group was rejected because the TDMF session is not waiting for this confirmation.

Detecting CSECT:
GTDBMON

GTD9034E ***task-id*** **Command rejected; another Batch Monitor active on this system**

Explanation:
The previous attempt to influence processing of a volume or group was abandoned as there was another copy of GTDBMON active at the time the most recently entered MODIFY command began processing.

Operator response:
The command should be entered again.

Detecting CSECT:
GTDBMON

GTD9035I **This statement bypassed because of an earlier error**

Explanation:
If no active TDMF session can be found, or after detection of a syntax error on an input control statement, only validity checking of the remainder of the input stream is being performed.

Detecting CSECT:
GTDBMON

GTD9036I ***n*** **control statements contained syntax errors.**

Explanation:
At the end of Batch Monitor command processing, the number of statements rejected because of syntax errors is reported.

Detecting CSECT:
GTDBMON

GTD9037I ***n*** **volumes or groups were not found in TDMF sessions.**

Explanation:
At the end of Batch Monitor command processing, this message displays the number of control statements rejected because the specified group name or volume serial was not found in an active TDMF session.

Detecting CSECT:
GTDBMON

GTD9038I ***n*** **volumes or groups were active in TDMF sessions on other systems.**

Explanation:
At the end of the TDMF Batch Monitor command processing, this message displays the number of control statements rejected because the Master system of the TDMF session migrating the specified group name or volume serial was not the current MVS host.

Detecting CSECT:
GTDBMON

GTD9039I ***n*** **statements suppressed because of earlier errors.**

Explanation:
At the end of Batch Monitor command processing, this message displays the number of valid control statements which were not fully processed, following detection of a syntax error.

Detecting CSECT:
GTDBMON

GTD9040I ***n*** **statements failed; incorrect volume status**

Explanation:
At the end of Batch Monitor command processing, this message displays the number of control statements which rejected because the target volume was not in a state for which the requested function was meaningful.

Detecting CSECT:
GTDBMON

GTD9041S **No monitor functions requested**

Explanation:
There were no Batch Monitor commands in the control statement input dataset.

System action:
The Batch Monitor terminates with return code 12.

Detecting CSECT:
GTDBMON

GTD9042E ***task-id*** **Command rejected; PPiT was not specified for volume or group**

Explanation:
An attempt to either recycle or end a PPiT migration rejected because the PPiT option was not in effect for the volume or group.

Detecting CSECT:
GTDBMON

GTD9043E ***task-id*** **Command rejected; PPiT recycle not outstanding**

Explanation:
An attempt to either recycle or end a PPiT volume or group migration was rejected because the TDMF session had not prompted for a recycle response.

Detecting CSECT:
GTDBMON

GTD9045E ***task-id*** **Command rejected; volume not OVA type**

Explanation:
An attempt to prevent OVA registrations for a volume was rejected. The OVA option had not been specified for the volume.

Detecting CSECT:
GTDBMON

GTD9046E ***task-id*** **Command rejected; OVA volume already HALTed**

Explanation:
Additional OVA registrations have already been prevented for the volume.

Detecting CSECT:
GTDBMON

GTD9047I **Synchronization time missing or invalid.**

Explanation:
The operand of the SYNCHRONIZE request is either not supplied, has a length greater than 15 characters or is not a number in the range five to 999.

Detecting CSECT:
GTDBMON

GTD9048E ***task-id*** **Command rejected; group name not valid with 'REINIT'**

Explanation:
A "REINIT" command was received with a group name as the operand. The command was rejected, as the "Restart volume initialization" function may only be executed for individual volumes.

Detecting CSECT:
GTDBMON

GTD9049E ***task-id*** **Command rejected; Volume migration not restartable**

Explanation:
A "REINIT" command was received for a volume that has either not been terminated or has successfully completed.

Detecting CSECT:
GTDBMON

GTD9050I ***task-id*** **OVA job status**

Explanation:
This multi-line message is the response to an operator "OVA LISTJOBS" command. For each OVA job in the system the batch monitor will list its jobname, the program to be invoked, the number of OVA volumes to be included and a list of the included volumes together with the name of each associated TDMF session.

Detecting CSECT:
GTDBMON

GTD9051E ***task-id*** **Command unsuccessful; no OVA jobs found.**

Explanation:
This multi-line message is the response to an operator "OVA LISTJOBS" command. There are no OVA jobs in this system that are either active or attempting registration.

Detecting CSECT:
GTDBMON

GTD9052E ***task-id*** **Invalid parameter; only 'LISTJOBS' permitted.**

Explanation:
The user has attempted to use the OVA command, but the supplied parameter is not recognized by the batch monitor.

Detecting CSECT:
GTDBMON

GTD9054E ***task-id*** **'LISTJOBS' required.**

Explanation:
The user has attempted to use the OVA command, but the required parameter, LISTJOBS, was not supplied.

Detecting CSECT:
GTDBMON

GTD9064E ***task-id*** **Program must be authorized to access a migration session.**

Explanation:
There is an active TDMF session that does not use common area virtual storage for its monitor control block (TSOM).

System action:
Volumes and groups in this session will not be accessible to the monitor.

Programmer response:
If necessary relink the GTDBMON module and execute from an authorized library.

Detecting CSECT:
GTDBMON

GTD9065E ***task-id*** **ALESERV macro failed. Return code** ***return-code*****.**

Explanation:

There is an active TDMF session that does not use common area virtual storage for its monitor control block (TSOM). When the monitor attempted to add an ALET for the migration session to its access list the ALESERV macro set a non-zero return code.

System action:
Volumes and groups in this session will not be accessible by the monitor.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDBMON

GTD9101S Program not APF authorized

Explanation:
In order to read the entire disk surface, the GTDSCAN program must be link edited with AC=1 and be fetched from an APF authorized library.

System action:
Execution terminates immediately.

Detecting CSECT:
GTDSCAN

GTD9102S EXEC Parameter invalid.

Explanation

The program requires an optional keyword and a device number in the execution parameter. The device number can be three or four characters and the keyword must be either TCPIP or FASTCOPY. All alphabetic characters in the parameter text must be upper case. The following examples are valid (four character device numbers are used):

```
PARM='xxxx'
PARM='xx**'
PARM='FASTCOPY,xxx*'
PARM='TCPIP,xx**'
```

System action:
Execution terminates immediately.

Detecting CSECT:
GTDSCAN

GTD9103S EXEC Parameter omitted or too short.

Explanation:
The program requires a device number as its parameter. The minimum valid length of the PARM field of the EXEC statement is three characters.

System action:
Execution terminates immediately.

Detecting CSECT:
GTDSCAN

GTD9104S EXEC Parameter contains invalid characters.

Explanation:
The device number specified in the PARM field of the EXEC statement must be a string of three or four characters each representing a hexadecimal digit. The characters 0 through 9 and upper case A through F are acceptable. An asterisk can be placed in one or more of the character positions to specify a range of device numbers. A device number range has as its lowest device number the EXEC PARM with all asterisk positions set to zero and as its highest device number the EXEC PARM with all asterisk positions set to "F".

System action:
Execution terminates immediately.

Detecting CSECT:
GTDSCAN

GTD9105S No online volumes found in supplied range of devices.

Explanation:
The device number specified in the PARM field of the EXEC statement did not specify a range of devices containing one or more online volumes.

System action:
Execution terminates immediately.

Detecting CSECT:
GTDSCAN

GTD9108S Error in UCBSCAN service, return code: *return-code*, reason code: *reason-code*. offline or pending.

Explanation:
An unexpected return code (not zero or four) was set by the UCBSCAN macro.

System action:
Processing terminates.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDSCAN

GTD9109W Device *device-number* cannot be scanned; offline or pending.

Explanation:
The UCB for the specified device was found to be offline (flag UCBONLI not set) or changing status (flag UCBCHGS set). Either of these conditions precludes allocation on this device, so the GTDSCAN program cannot process the volume.

System action:
Processing continues with the next device in the range.

User response:
If this device should not be scanned, vary it online and rerun the GTDSCAN job with this device number in the EXEC parameter.

Detecting CSECT:
GTDSCAN

GTD9110I **Beginning scan of volume *volume-serial*.**

Explanation:
The named volume has found mounted on an online device whose number matches the selection criteria in the EXEC parameter.

System action:
The program attempts to allocate on the device and open its Volume Table of Contents. If this is successful, the entire volume will be read.

Detecting CSECT:
GTDSCAN

GTD9111E **Allocation failed, R15=*return-code* S99ERROR=*error-type* S99INFO=*error-info*.**

Explanation:
Allocation of FORMAT4.DSCB on the selected volume was unsuccessful.

System action:
The program attempts to process the next device in the range.

User response:
The return code from the DYNALLOC SVC together with the error information from the SVC 99 parameter list is supplied in the message. Correct the condition leading to the error and resubmit the job, specifying this single device number.

Detecting CSECT:
GTDSCAN

GTD9113E **JFCB for new allocation could not be read, R15=*return-code*.**

Explanation:
After a successful DDname allocation, the system failed to return a Job File Control Block. The return code from the RDJFCB macro is presented in the message as a decimal number.

System action:
Processing of this device terminates.

Detecting CSECT:
GTDSCAN

GTD9114E **OPEN failed for VTOC.**

Explanation:
After a successful DDname allocation and RDJFCB, an OPENJ request was unsuccessful.

System action:
Processing of this device terminates.

Detecting CSECT:
GTDSCAN

GTD9115I **This will be treated as a VM-formatted volume.**

Explanation:
The volume label contains a non-standard VTOC address. In a future TDMF migration of this volume it will be considered as formatted for CP or CMS, and a situation where the CCCC field in all the data record count fields in a cylinder is lower than the physical cylinder number will not cause a volume error condition to be signaled.

System action:
Processing of this device continues, but no attempt to identify the dataset or minidisk containing I/O errors or invalid count fields will be made.

Detecting CSECT:
GTDSCAN

GTD9116E ***ccccchhhh* I/O error. Sense is '*sense*'**

Explanation:
An I/O error occurred during a read cylinder or read track operation. If unit check was returned, the contents of the two sense bytes describe the I/O error.

System action:
The program will continue the scan at the next cylinder.

Detecting CSECT:
GTDSCAN

GTD9117E ***ccccchhhhrr* Incorrect CCHH value in count field: *count-field***

Explanation:
The count field of the record identified by the CCHHR in the start of the message text has a cylinder or head number which would cause a TDMF migration of this volume to fail.

System action:
The program continues with the next track on the device.

Detecting CSECT:
GTDSCAN

GTD9118E ***ccccchhhh* Non-standard record zero count field: *count-field***

Explanation:
The count field of record zero on the track identified by the CCHH in the start of the message text has an invalid record number, key length or data length.

System action:

The program continues with the next track on the device.

Detecting CSECT:
GTDSCAN

GTD9119I Non-standard record numbers on this volume will be ignored

Explanation:
Non-standard record numbers will be ignored on this volume.

System action:
The program continues.

Detecting CSECT:
GTDSCAN

GTD9120I Scan completed on volume *volume-serial*

Explanation:
The program has finished reading the volume on the selected device.

System action:
The program continues with the next device in the specified range.

Detecting CSECT:
GTDSCAN

GTD9121I Errors on volume *volume-serial* must be corrected before it can be migrated

Explanation:
Either I/O errors or invalid count fields were encountered during the scan of this volume.

System action:
The program continues with the next device in the specified range.

User response:
As stated in the message text, corrective action will be necessary to prepare the volume for TDMF migration. If it is not practical to repair the volume before the planned migration session, the "ALLOWINValidcounts" option on the SESSION control statement will modify the TDMF volume copy function and allow records with non-standard count fields to be written to target volumes.

Detecting CSECT:
GTDSCAN

GTD9122I Errors located in dataset: *dsname*

Explanation:
After an I/O error or invalid count field message for a volume with a standard VTOC, the GTDVMAP routine was called to identify the dataset containing the bad track. The dataset allocation map built and used by GTDVMAP is accurate at the time of the first error for this volume. For volumes whose contents are not completely static, the dataset name provided in the message cannot be relied upon when corrective action is scheduled. This is most important to bear in mind when the message identifies the failing track as being in "possibly unallocated space". This message will not be issued for a volume with a non-standard VTOC.

System action:
The program continues with this scan.

User response:
As stated in the message text, corrective action will be necessary to prepare the volume for TDMF migration.

Detecting CSECT:
GTDSCAN

GTD9123W VMAP routine failure; return code was: *return-code*

Explanation

After an I/O error or invalid count field message for a volume with a standard VTOC, the GTDVMAP routine was called to identify the dataset containing the bad track. A failure occurred in GTDVMAP while building the extent map for the volume. The following codes (decimal) are returned by GTDVMAP:

01 I/O error reading the VTOC
02 DSCB key length error
03 DSCB data length error
04 Extent map overflow
05 Internal error

System action:
The program continues with this scan.

User response:
In the case of error code 04, increasing the region size might solve the problem. GTDVMAP will allocate up to 64MB of virtual storage for the extent map (sufficient for approximately 600,000 datasets with an average of three extents each).

Programmer response:
If one code 05 is encountered, contact technical support for assistance.

Detecting CSECT:
GTDSCAN

GTD9124W VMAP routine failure; return code was: *return-code*

Explanation

A failure occurred in GTDVMAP while building the extent map for the volume. The map was required because the execution parameter requested that only the volume's allocated tracks should be scanned. The following codes (decimal) are returned by GTDVMAP:

01 I/O error reading the VTOC
02 DSCB key length error
03 DSCB data length error
04 Extent map overflow
05 Internal error

System action:
The program scans the entire volume.

User response:
In the case of error code 04, increasing the region size might solve the problem. GTDVMAP will allocate up to 64MB of virtual storage for the extent map (sufficient for approximately 600,000 datasets with an average of three extents each).

Programmer response:
If one code 05 is encountered, contact technical support for assistance.

Detecting CSECT:
GTDSCAN

GTD9125I **Number of cylinders allocated: *cyl-count***

Explanation:
This message provides the number of cylinders on the volume that are completely or partially allocated to datasets. The message is only issued if either FASTCOPY or TCPIP was specified in the execution parameter. This number includes cylinder zero, the VTOC, VTOC index and the VVDS if present.

System action:
The program continues.

Detecting CSECT:
GTDSCAN

GTD9126I **Number of empty tracks: *mt-count***

Explanation:
This message provides the number of tracks on the volume (in allocated cylinders) that contain only a standard record zero. The message is only issued if TCPIP was specified in the execution parameter.

System action:
The program continues.

Detecting CSECT:
GTDSCAN

GTD9127I **Number of Kilobytes of data: *mt-count***

Explanation:
This message provides the number of KB of data on the volume (in allocated cylinders). The message is only issued if TCPIP was specified in the execution parameter.

System action:
The program continues.

Detecting CSECT:
GTDSCAN

GTD9201I **Found subsystem with *n* devices. First device number is *device-number*.**

Explanation:
The Query Disk program is beginning to analyze a DASD subsystem. The SSCBDH control block which describes this subsystem contains n device entries. The first device entry points to the UCB for device *device-number*.

System action:
The program scans the UCBs for devices in this subsystem, looking for an online device.

Detecting CSECT:
GTDQDSK

GTD9202I **Found online volume *volser* on device *device-number*.**

Explanation:
The subsystem currently being investigated has at least one online device.

System action:
The program will attempt to allocate on this device.

Detecting CSECT:
GTDQDSK

GTD9203I **Unit Volser SCUtype Devtype Cyl SSID SCU-serial Dev-Serial**

Explanation

This is the first line of a two line message and acts as a column header for the following line. The following data will be formatted under these headings:

Unit	The device number.
Volser	The serial number of the volume mounted on this device.
SCUtype	The Storage Controller model number, taken from bytes 70-76 of the configuration data.
Devtype	The device type and model, taken from bytes 6-12 of the configuration data.
Cyl	The number of primary cylinders on this device, taken from bytes 12 and 13 of the device characteristics.
SSID	The subsystem id, taken from bytes 232 and 233 of the configuration data.

SCU-serial	The manufacturing location and serial number of the Storage Controller, taken from bytes 80, 81 and 89-94 of the configuration data.
Dev-Serial	The manufacturing location and serial number of the device, taken from bytes 16, 17 and 25-31 of the configuration data.

System action:
The program continues to report configuration data for this device.

Detecting CSECT:
GTDQDSK

GTD9204I Read Configuration Data for this device.

Explanation:
Following this message, the data returned by the Read Configuration Data CCW are formatted. These data occupy eight lines and are displayed in both hexadecimal and character representation.

System action:
The program continues to report configuration data for this device.

Detecting CSECT:
GTDQDSK

GTD9205W Found volume with non-standard VTOC, *volser*, on device *device-number*.

Explanation:
The program has encountered an online volume with a Volume Table of Contents which does not support allocations. This might be a volume formatted for z/VM, for example.

System action:
The program attempts to locate another online volume on this subsystem.

Detecting CSECT:
GTDQDSK

GTD9206E Allocation error on volume *volser* R15=*rr* S99ERROR=*eeee* S99INFO=*iiii*.

Explanation:
The program has failed to dynamically allocate the dataset "FORMAT4.DSCB" on the volume named in message GTD9202I. The value returned in GPR 15, as well as the SVC 99 error and information codes are displayed.

System action:
The program attempts to locate another online volume on this subsystem.

Detecting CSECT:
GTDQDSK

GTD9207W Abend S*xxx-rc* during OPENJ.

Explanation:
While attempting to open the Volume Table of Contents for input, the DCB abend exit was called.

System action:
The program attempts to locate another online volume on this subsystem.

Programmer response:
Errors detected by the OPENJ SVC are usually accompanied by a console message in the job log. Use the abend and reason codes provided, together with any such explanatory message to determine the cause of the error.

Detecting CSECT:
GTDQDSK

GTD9301S The program must be APF Authorized.

Explanation:
This message is issued via a WTO if the TESTAUTH macro sets a non-zero return code.

System action:
The program terminates immediately.

User response:
Relink the program, with "SETCODE AC(1)" or "PARM='AC=1'," into an APF authorized library.

Detecting CSECT:
GTDCLUP

GTD9302I This system, *smf-id*, was IPLed on *date* at *time*.

Explanation:
This is the system IPL (local) time from the SMCA control block.

Detecting CSECT:
GTDCLUP

GTD9303I Found TDMF block at address *address*.

Explanation:
A piece of allocated ECSA storage appears to contain a TDMF main control block.

System action:
This control block will be snapped if the SYSSNAP DD statement is supplied. If the session that acquired the storage for this control is no longer active, GTDCLUP will attempt to recover the session's common virtual

storage and repair the UCBs for the devices it was using.

Detecting CSECT:
GTDCLUP

GTD9304I Communications Dataset: *dataset-name* on *volser*.

Explanation:
A TDMF main control block found in ECSA storage refers to this communications dataset.

System action:
The program will attempt to determine whether there is a migration in progress that is using this dataset.

Detecting CSECT:
GTDCLUP

GTD9305W TDMF Session was not initialized.

Explanation:
The TDMF main control block found in ECSA appears to belong to a session that did not successfully initialize.

System action:
The control blocks for this session will not be processed unless "PARM=FORCE" was specified.

User response:
Wait until there are no TDMF sessions active, then rerun the program with "PARM=FORCE".

Detecting CSECT:
GTDCLUP

GTD9306W A TDMF session is active on this dataset.

Explanation:
The Communications Dataset identified in message GTD9304I is owned by an active session.

System action:
The program will determine whether the control block found in ECSA is owned by the active session, or whether it belonged to an earlier session that used the same communications dataset.

User response:
No user response is required.

Detecting CSECT:
GTDCLUP

GTD9307I Communications Dataset updated.

Explanation:
The Communications Dataset identified in message GTD9304I has been updated with the TDMF, WORK and VMSG control blocks found in ECSA.

System action:
The program continues to examine ECSA storage.

User response:
The TDMF TSO Monitor can be used to determine what caused this session to terminate without completely releasing common virtual storage areas.

Detecting CSECT:
GTDCLUP

GTD9308I Freed *nnnn*KB real, *nnnn*KB ECSA, *nnnn* bytes SQA.

Explanation:
This message indicates that the scan of allocated ECSA storage has completed and shows the number of kilobytes of ECSA that GTDCLUP has page-freed and released, as well as the number of bytes of ESQA that were released.

System action:
The program begins a scan of the DASD subsystem control blocks (SSSCB).

Programmer response:
These numbers might not be zero if a TDMF session had been canceled twice. Otherwise, if the numbers are non-zero for no apparent reason, technical support should be contacted.

Detecting CSECT:
GTDCLUP

GTD9311I Session started on *date* at *time* (*time-option*)

Explanation:
This message displays the session start time from the TDMF main control block identified in message GTD9303I. If the local time option was specified for the session itself, the TOD clock start time value in the control block will be converted to local time.

System action:
The program continues to examine control blocks allocated by the session in common virtual storage.

Detecting CSECT:
GTDCLUP

GTD9312I This TDMF session most recent for Communications Dataset.

Explanation:
The Communications Dataset identified in message GTD9304I has been successfully allocated and opened. By comparing the session start time, and the numbers of volumes and Agent systems, recorded in the dataset with the equivalent fields within the TDMF main control block found in ECSA, it appears that the dataset has not been updated by a more recent session.

System action:

The program will attempt to update this Communications Dataset with status information and messages from orphaned control blocks in ECSA.

Detecting CSECT:
GTDCLUP

GTD9313I Mismatch between TDMF blocks in storage and on disk.

Explanation

The Communications Dataset identified in message GTD9304I has been successfully allocated and opened.

The session whose main control block has been found in ECSA, identified in messages GTD9303I and GTD9311I, was not the last to write to this Communications Dataset.

System action:
The program will close and deallocate this dataset. Messages found in ECSA storage will appear in the GTDCLUP output, but will not be written to the dataset so will not be available for display using the TSO Monitor.

Detecting CSECT:
GTDCLUP

GTD9320E Allocation of Communications Dataset failed; RC='*R15-contents*' S99ERROR='*S99ERROR*' S99INFO='*S99INFO*' S99ERSN='*S99ERSN*'.

Explanation:
The Communications Dataset identified in message GTD9304I could not be allocated to the program.

System action:
Messages found in ECSA storage will appear in the GTDCLUP output, but will not be written to the dataset so will not be available for display using the TSO Monitor.

User response:
No user response is required.

Problem determination:
Information returned by the DYNALLOC SVC is provided in this message, and there will also be messages in the job log to give further assistance.

Detecting CSECT:
GTDCLUP

GTD9321E Abend *abend-code* during OPEN for Communications Dataset.

Explanation:
The Communications Dataset identified in message GTD9304I has been successfully allocated but the Abend exit was invoked during OPEN processing.

System action:
The program will deallocate this dataset. Messages found in ECSA storage will appear in the GTDCLUP output, but will not be written to the dataset so will not be available for display using the TSO Monitor.

User response:
No user response is required.

Detecting CSECT:
GTDCLUP

GTD9322W OPEN failed for Communications Dataset.

Explanation:
The Communications Dataset identified in message GTD9304I has been successfully allocated but the OPEN SVC set a non-zero return code.

System action:
The program will deallocate this dataset. Messages found in ECSA storage will appear in the GTDCLUP output, but will not be written to the dataset so will not be available for display using the TSO Monitor.

User response:
No user response is required.

Detecting CSECT:
GTDCLUP

GTD9323W READ request failed for block at CCHHR: *disk-address*.

Explanation:
The Communications Dataset identified in message GTD9304I has been successfully allocated and opened but the program is unable to read either the MSE records or the TDMF main control block for the Master or Agent job that was active on this MVS system.

System action:
The program will close and deallocate this dataset. Messages found in ECSA storage will appear in the GTDCLUP output, but will not be written to the dataset so will not be available for display using the TSO Monitor.

User response:
No user response is required.

Detecting CSECT:
GTDCLUP

GTD9324W MSE control block for this system is invalid.

Explanation:
The Communications Dataset identified in message GTD9304I has been successfully allocated and opened but has probably been used by TDMF more recently than by the session identified in messages GTD9303I and GTD9311I. The program has

determined that either the MSE does not have a valid eye catcher, there is a mismatch of system SMF ids, or the MSE record does not have a valid heartbeat value.

System action:
The program will close and deallocate this dataset. Messages found in ECSA storage will appear in the GTDCLUP output, but will not be written to the dataset so will not be available for display using the TSO Monitor.

User response:
No user response is required.

Detecting CSECT:
GTDCLUP

GTD9325W TDMF control block for this system is invalid.

Explanation:
The Communications Dataset identified in message GTD9304I has been successfully allocated and opened, and GTDCLUP has found an MSE record that appears to relate to the session identified in messages GTD9303I and GTD9311I. The CCHHR in the MSE record for this system's TDMF record in the Communications Dataset is not the address of a valid TDMF record.

System action:
The program will close and deallocate this dataset. Messages found in ECSA storage will appear in the GTDCLUP output, but will not be written to the dataset so will not be available for display using the TSO Monitor.

User response:
No user response is required.

Detecting CSECT:
GTDCLUP

GTD9326W WRITE request failed for block at CCHHR: *disk-address*.

Explanation:
The Communications Dataset identified in message GTD9304I has been successfully allocated and opened, and the program has determined that the dataset has not been re-initialized since the session for which ECSA storage is being cleaned up. GTDCLUP is attempting to update the dataset with either a TDMF, TSOM, VMSG, or WORK record so that the messages and status information from this session can be displayed using the TSO Monitor. The I/O request failed.

System action:
The program will close and deallocate this dataset.

User response:
No user response is required.

Detecting CSECT:
GTDCLUP

GTD9331I DDT pointer corrected for device '*device-number*'.

Explanation:
The program found a DDT address that is invalid or points to a TDMFDDTR block that is no longer in use. The UCBDDT pointer for the indicated device has been replaced by a valid DDT address.

System action:
The program continues to examine the UCB for this device.

Detecting CSECT:
GTDCLUP

GTD9332I UCBLEVEL corrected for device '*device-number*'.

Explanation:
The program has detected a device with the DDR quiesce level flag set in its UCB. The UCB has been repaired, and queued I/O requests redriven, using the IOSLEVEL service routine.

System action:
The program continues with the ECSA or DASD subsystem scan. In the case of an execution to repair a single device, the program terminates.

Detecting CSECT:
GTDCLUP

GTD9333E Unable to validate DDT pointer for device '*device-number*'.

Explanation:
The program has detected a device whose DDT can no longer be accessed or has been overlaid. The program will point the UCB to one of the nucleus DDTs and issue message GTD9331I.

System action:
The program continues to examine the UCB for this device.

User response:
No user response is required.

Detecting CSECT:
GTDCLUP

GTD9334S No CSA virtual storage found in subpool 228.

Explanation:
The program is unable to locate the storage area descriptors for CSA subpool 228. This must be a logic or system error.

System action:
The program terminates without attempting the UCB scan.

User response:
Contact technical support.

Detecting CSECT:
GTDCLUP

GTD9335S VSMLIST macro failed. Return code: X'*return-code*'.

Explanation:
The VSMLIST macro set a non-zero return code, or returned an empty storage list. This must be a logic or system error.

System action:
The program terminates without attempting the UCB scan.

User response:
Contact technical support.

Detecting CSECT:
GTDCLUP

GTD9336I UCBLEVEL corrected for device '*device-number*'.

Explanation:
The program has detected a device with the QUIESCE non-standard level flag set in its UCB. The UCB has been repaired, and queued I/O requests redriven, using the IOSLEVEL service routine.

System action:
The program continues with the ECSA or DASD subsystem scan. In the case of an execution to repair a single device, the program terminates.

Detecting CSECT:
GTDCLUP

GTD9338W Serialization failed for volume *volume-serial*.

Explanation:
The program is cleaning up the control blocks and devices for a previous session and has detected that a new migration is in progress using the indicated volume.

System action:
The program will ignore the UCB for this volume and continue to examine allocated ECSA storage.

User response:
Rerun GTDCLUP when no migrations are active.

Detecting CSECT:
GTDCLUP

GTD9339W TDMF block is not for Version 4 migration.

Explanation:
The session described by the TDMF main control block found in ECSA is from an earlier or later version, or was not correctly initialized.

System action:
This ECSA storage area will be ignored.

Detecting CSECT:
GTDCLUP

GTD9340S Execution parameter invalid.

Explanation

This message is issued via a WTO if an unrecognized execution parameter is supplied to the program.

The only valid execution parameters are:

FORCE
FIXUCB=*device-address*

System action:
The program terminates immediately.

User response:
Correct the parameter and resubmit the program.

Detecting CSECT:
GTDCLUP

GTD9341S UCBLOOK macro failed for device '*device-address*'.

Explanation:
The program is being executed with the "FIXUCB=*device-address*" execution parameter; the UCBLOOK macro did not return a UCB address for the specified device.

System action:
The program terminates.

User response:
Resubmit the program specifying the correct device address.

Detecting CSECT:
GTDCLUP

GTD9342W Quiesce level not reset for device '*device-address*'. TDMF is active in system.

Explanation:
The ECSA storage scan has completed and the program is validating the UCBs associated with all the installed DASD subsystems. During this validation GTDCLUP has found a UCB with the DDR quiesce level set. However, this device might have been quiesced by an active TDMF session, so no action will be taken.

System action:
The DASD subsystem control block scan continues.

User response:

If the device is known not to be active for a current session, and immediate action is required, it can be repaired by executing the GTDCLUP program with the "FIXUCB=*device-address*" parameter.

Detecting CSECT:
GTDCLUP

GTD9343E Quiesce level not reset for device '*device-address*'. GQSCAN error: '*return-code/reason-code*'.

Explanation:
The ECSA storage scan has completed and the program is validating the UCBs associated with all the installed DASD subsystems. During this validation GTDCLUP has found a UCB with the DDR quiesce level set. However, an attempt to use the GQSCAN macro to determine whether there is an active TDMF session was unsuccessful.

System action:
The DASD subsystem control block scan continues.

User response:
If the device is known not to be active for a current session, and immediate action is required, it can be repaired by executing the GTDCLUP program with the "FIXUCB=*device-address*" parameter.

Programmer response:
Contact technical support.

Detecting CSECT:
GTDCLUP

GTD9344S Error finding IECVPRFX address.

Explanation:
The program is unable to locate the standard IOS Start Subchannel Exit address in the system nucleus. This must be a logic or system error.

System action:
The program terminates immediately.

Programmer response:
Contact technical support.

Detecting CSECT:
GTDCLUP

GTD9345S Error finding DDTs in Nucleus.

Explanation:
The program is unable to find the standard DASD Device Descriptor Table (DDT) entries, located at IGGDDT01 and IGGDDTA1 in the system nucleus. This must be a logic or system error.

System action:
The program terminates immediately.

Programmer response:
Contact technical support.

Detecting CSECT:
GTDCLUP

GTD9346S DFA control block invalid.

Explanation:
The program is attempting to scan and validate all the installed DASD subsystems, but cannot recognize the DFA control block. This must be a logic or system error.

System action:
The program terminates without completing the UCB scan.

Programmer response:
Contact technical support.

Detecting CSECT:
GTDCLUP

GTD9347S DFVT control block invalid.

Explanation:
The program is attempting to scan and validate all the installed DASD subsystems, but cannot recognize the DFVT control block. This must be a logic or system error.

System action:
The program terminates without completing the UCB scan.

Programmer response:
Contact technical support.

Detecting CSECT:
GTDCLUP

GTD9348S SSSVT control block invalid.

Explanation:
The program is attempting to scan and validate all the installed DASD subsystems, but cannot recognize the SSSVT control block. This must be a logic or system error.

System action:
The program terminates without completing the UCB scan.

Programmer response:
Contact technical support.

Detecting CSECT:
GTDCLUP

GTD9349S SSSCT control block invalid.

Explanation:
The program is attempting to scan and validate all the installed DASD subsystems, but either the SSSCT pointer in the SSSVT control block is zero, or the count of SSSCT entries is zero. This must be a logic or system error.

System action:

The program terminates without completing the UCB scan.

Programmer response:
Contact technical support.

Detecting CSECT:
GTDCLUP

GTD9350S SSSCB control block invalid.

Explanation:
The program is attempting to scan and validate all the installed DASD subsystems, but has found an invalid eyecatcher in what should have been an SSSCB control block. This must be a logic or system error.

System action:
The program terminates without completing the UCB scan.

Programmer response:
Contact technical support.

Detecting CSECT:
GTDCLUP

GTD9351S SSCBDH control block invalid.

Explanation:
The program is attempting to scan and validate all the installed DASD subsystems, but has found an SSSCB that does not point to a recognizable SSCBDH control block. This must be a logic or system error.

System action:
The program terminates without completing the UCB scan.

Programmer response:
Contact technical support.

Detecting CSECT:
GTDCLUP

GTD9352I SSSCB and UCB scan successfully completed.

Explanation:
The program has completed the scan of installed DASD subsystems.

System action:
The program terminates.

Detecting CSECT:
GTDCLUP

GTD9353S R15 = xxxxxxxx R0 = xxxxxxxx UCBDVCLS = x.

Explanation:
Message 9353S appears after message 9341S and provides debugging information. UCBDVCLS may or may not appear depending on the error.

System action:
The program terminates.

Detecting CSECT:
GTDCLUP

GTD9354E Migration session active for device '*device-address*'.

Explanation:
The UCB for this device points to a TDMFDDTR block that is owned by an active TDMF session.

System action:
If GTDCLUP was submitted with the "FIXUCB" parameter, this is a serious error and the program terminates immediately. Active devices can also be encountered during the DASD subsystem validation phase of a normal GTDCLUP execution, in which case this message will be informational and processing continues.

User response:
If the message is issued in response to an attempt to repair a single UCB, the program should be resubmitted once the session has completed (if it is certain that the device in question needs to be repaired). Otherwise, no response is required.

Detecting CSECT:
GTDCLUP

GTD9355I DDT for device '*device-address*' imbedded in orphaned TDMFDDTR block.

Explanation:
The UCB for this device points to a TDMFDDTR block that does not appear to still be valid.

System action:
The DDT pointer will be repaired to point to either the DDT whose address was stored in the DDTR (if this pointer is still valid) or to one of the DDTs in the system nucleus.

Detecting CSECT:
GTDCLUP

GTD9356I DDT at address *address* for device '*device-address*' is not valid.

Explanation:
The program is being executed with the "FIXUCB" parameter. The UCB for the specified device points to a DDT which is either inaccessible, does not have a valid eyecatcher or points to a Start Subchannel Exit routine that is inaccessible. If this message follows GTD9355I, the DDT that is invalid is the one pointed to by the orphaned TDMFDDTR block.

System action:
The DDT pointer will be repaired to point to one of the DDTs in the system nucleus.

Detecting CSECT:

GTDCLUP

GTD9357W **Device '*device-address*' using non-standard DDT at address *address*.**

Explanation:
The program is being executed with the "FIXUCB" parameter. The UCB for the specified device points to a DDT that appears to be valid, but which is neither imbedded in a TDMFDDTR block nor is one of the two nucleus resident DASD DDTs.

System action:
The DDT pointer will not be modified.

Detecting CSECT:
GTDCLUP

GTD9358I **Device '*device-address*' uses a standard DDT.**

Explanation:
The program is being executed with the "FIXUCB" parameter. The UCB for the specified device points to a DDT that is resident in the system nucleus.

System action:
The DDT pointer will not be modified.

Detecting CSECT:
GTDCLUP

GTD9359E **Device '*device-address*' active in TDMF session with unrecognized version number.**

Explanation

The program is performing the DASD subsystem scan, or is being executed with the "FIXUCB" parameter, and has encountered a UCB whose DDT is imbedded in a TDMFDDTR control block. However, the TDMF main control block for the owning session does not have a supported version number.

GTDCLUP cannot determine whether this session is still active and will not attempt to repair this device.

System action:
The program will not modify the device's UCB.

Programmer response:
Contact technical support.

Detecting CSECT:
GTDCLUP

GTD9363E **UCBLEVEL not reset for volume *volume-serial*: error reading volume label.**

Explanation:
The program is performing the DASD subsystem scan and has encountered an online UCB with the DDR quiesce level set. In order to determine whether the device can be made available again, the program attempts to match the volume serial number in the device's UCB with the serial number in the physical volume label. The EXCPVR to read the label record from DASD was unsuccessful.

System action:
The program will not perform further processing for this device and will continue with the DASD subsystem scan.

User response:
If it is known that the volume label is correct, the quiesce level can be reset by executing the program with the "FIXUCB=*device-address*" execution parameter.

Programmer response:
Contact technical support.

Detecting CSECT:
GTDCLUP

GTD9364E **UCBLEVEL not reset for volume *volume-serial*: Volume labeled as *actual-volser*.**

Explanation:
The program is performing the DASD subsystem scan and has encountered an online UCB with the DDR quiesce level set. In order to determine whether the device can be made available again, the program has read the physical volume serial number from disk. The volume serial number in the device's UCB does not match the serial number in the physical volume label.

System action:
The program will not perform further processing for this device and will continue with the subsystem scan.

User response:
Attempt to vary the device offline with "force" and terminate all applications that are allocated to the volume. If there are two devices with the same volume label, ensure that the correct device is brought online and relabel the other volume with ICKDSF.

Detecting CSECT:
GTDCLUP

GTD9365E **Read of label for volume *volume-serial* timed out (one second).**

Explanation:
The program is performing the DASD subsystem scan and has encountered an online UCB with the DDR quiesce level set. In order to determine whether the device can be made available again, the program attempts to match the volume serial number in the device's UCB with the serial number in the physical volume label. The EXCPVR to read the label record from DASD did not complete within one second.

System action:

The program uses the PURGE macro to fail the I/O operation, so this message will be followed by GTD9363E.

User response:
Determine whether the device is reserved on another system and resolve that situation before attempting to retry this repair action. Otherwise, respond to message GTD9363E.

Detecting CSECT:
GTDCLUP

GTD9366W **PAV-capable Device *device-address* has no bound alias UCBs.**

Explanation:
The program is performing the DASD subsystem scan and has encountered an online PAV-capable volume that currently has no bound alias devices. The program is unable to attempt to bind aliases for this device, because the PAV/FlashCopy API was not successfully loaded at module initialization.

System action:
The program continues the DASD subsystem scan.

User response:
If this volume should have PAV alias devices the "DEVSERV DIAG,*device-address*,BINDPAVS" operator command can be used to bind them to the base device.

Detecting CSECT:
GTDCLUP

GTD9367W **ESS Device *device-address* is not enabled for FlashCopy.**

Explanation

The program is performing the DASD subsystem scan and has encountered an online volume for which the FlashCopy function is shown as supported in the "RDFEATS" data - but the DCEVOLII flag is not set for the device.

The program is unable to attempt to set FlashCopy active for this device, because the PAV/FlashCopy API was not successfully loaded at module initialization.

System action:
The program continues the DASD subsystem scan.

User response:
If this volume should be enabled for FlashCopy, the "DEVSERV DIAG,*device-address*,ALLOWFC" and "DEVSERV QDASD,*device-address*,VALIDATE" operator commands can be used to enable the feature in the control unit and to set the flag in the DCE control block.

Detecting CSECT:
GTDCLUP

GTD9368I **Deleted I/O Monitor module from Dynamic LPA.**

Explanation:
The program has detected that a TDMF I/O Monitor module has been loaded into dynamic LPA, although there are no active sessions using this copy of the Monitor. There are no longer any DASD volumes with DDTSIO fields that point to this module and it has been removed from Dynamic LPA using the CYVDYLPA macro.

System action:
The program continues to process.

Detecting CSECT:
GTDCLUP

GTD9369W **CSVDYLPA DELETE failed; return code *return-code*.**

Explanation:
The program has detected that a TDMF I/O Monitor module has been loaded into dynamic LPA, although there are no active sessions using this copy of the Monitor. There are no longer any DASD volumes with DDTSIO fields that point to this module but an attempt to delete it from Dynamic LPA was unsuccessful.

System action:
The program continues to process.

Programmer response:
Contact technical support.

Detecting CSECT:
GTDCLUP

GTD9370I **Parallel Access Volume API called to bind alias UCBs for device *device-address***

Explanation:
The program called the PAV/FlashCopy API to bind this device's alias UCBs. The API set a zero return code.

System action:
The program continues to process.

Detecting CSECT:
GTDCLUP

GTD9371I **Parallel Access Volume API called to enable the FlashCopy function for device *device-address***

Explanation:
The program called the PAV/FlashCopy API to allow initiation of FlashCopy sessions on this device. The API set a zero return code.

System action:
The program continues to process.

Detecting CSECT:

GTDCLUP

GTD9372W **PAV/FlashCopy API failed for device *device-address*. Return code *return code*, reason code *reason code*.**

Explanation:
The program called the PAV/FlashCopy API to bind alias UCBs or allow initiation of FlashCopy sessions on this device. The API set a non-zero return code.

System action:
The program continues to process.

Programmer response:
Contact technical support.

Detecting CSECT:
GTDCLUP

GTD9373I **Basic HyperSwap UNBLOCK successful.**

Explanation:
The program successfully removed a HyperSwap block request that had been set by TDMF.

System action:
The program terminates.

Programmer response:
Contact technical support.

Detecting CSECT:
GTDCLUP

GTD9374W **Basic HyperSwap UNBLOCK command failed. Return code *return code*, reason code *reason code*.**

Explanation:
The program attempted to remove any HyperSwap block request that had been set by TDMF. The IOSHXBLK macro set a non-zero return code.

System action:
The program terminates.

Programmer response:
Contact technical support.

Detecting CSECT:
GTDCLUP

GTD9375E **Basic HyperSwap UNBLOCK request rejected. Migration session in progress.**

Explanation:
The user has requested that GTDCLUP should use the IOSHXBLK macro to clear a BLOCK request that had been set by TDMF. The request was rejected because there is an active HyperSwap migration session.

System action:
The program terminates.

Programmer response:
Contact technical support.

Detecting CSECT:
GTDCLUP

GTD9377I **Invalid key indication reset.**

Explanation:
The user has requested that the volume or terabyte key "quantity remaining" verification routine be suppressed.

System action:
The program terminates.

Detecting CSECT:
GTDCLUP

GTD9378W **RESETKEY function not required.**

Explanation:
The user has requested that the volume or terabyte key "quantity remaining" verification routine be suppressed. This function is only required on systems where TDMF has issued the GTD1136S message.

System action:
The program terminates.

User response:
Retry the function after receiving the GTD1136S message.

Detecting CSECT:
GTDCLUP

GTD9379S **RESETKEY function already performed on this system.**

Explanation:
The user has requested that the volume or terabyte key "quantity remaining" verification routine be suppressed. This function appears to have already been performed on this system since the current license key was installed. It can only be used once per system.

System action:
The program terminates.

Programmer response:
Contact technical support.

Detecting CSECT:
GTDCLUP

GTD9380A **Device *device-address* varied offline and boxed. Volume *volume-serial* unusable.**

Explanation:
The TDMF RTM Resource Manager routine has determined that the failed migration session left a

device quiesced. Because the state of the volume label cannot be determined, the device has been boxed.

System action:
The program continues to process.

Programmer response:
Vary the device online once the TDMF Master system has terminated. If swap processing had started, check that all participating systems have the same correlation of device address and volume serial number for every affected device.

Detecting CSECT:
GTDRMGR

GTD9381I **Device *device-address* varied offline and boxed.**

Explanation:
The TDMF RTM Resource Manager routine has determined that the failed migration session left this device quiesced. As it is not currently in use it has been varied offline and boxed.

System action:
The program continues to process.

Programmer response:
Vary the device online once the TDMF Master system has terminated and any boxed devices with source volumes mounted have been varied online and validated.

Detecting CSECT:
GTDRMGR

GTD9401I **The ICKDSF program on this system includes DVE support.**

Explanation:
The level of ICKDSF installed on this system will automatically perform EXTINDEX processing for a REFVTOC request, allocating a larger VTOC index if required - even if the VTOC itself cannot be expanded.

System action:
Program initialization continues.

Detecting CSECT:
GTDEXTV

GTD9404E **Allocation failed for source volume: *S99ERROR,S99INFO*.**

Explanation:
An attempt was made to allocate to the source volume specified on the preceding MIGRATE statement, in order to determine its device characteristics and to read the Volume Table of Contents. Dynamic Allocation was not successful; the S99ERROR and S99INFO fields provide further information.

System action:
The program continues to read and analyze the control statements.

User response:
Determine why the volume could not be allocated, correct the problem and resubmit the job.

Detecting CSECT:
GTDEXTV

GTD9405E **Allocation failed for target volume: *S99ERROR,S99INFO*.**

Explanation:
An attempt was made to allocate to the target volume specified on the preceding MIGRATE statement, in order to determine its device characteristics and to read the format four DSCB from the VTOC. Dynamic Allocation was not successful; the S99ERROR and S99INFO fields provide further information.

System action:
The program continues to read and analyze the control statements.

User response:
Determine why the volume could not be allocated, correct the problem and resubmit the job.

Detecting CSECT:
GTDEXTV

GTD9406E **OPEN failed for source volume.**

Explanation:
An unsuccessful attempt was made to OPEN a DCB for a dataset name of 44X'04' on the source volume specified in the previous MIGRATE control statement.

System action:
The program continues to read and analyze the control statements.

User response:
Determine from the job log messages why the OPEN failed, correct the problem and resubmit the job.

Detecting CSECT:
GTDEXTV

GTD9407E **OPEN failed for target volume.**

Explanation:
An unsuccessful attempt was made to OPEN a DCB for a dataset name of 44X'04' on the source volume specified in the previous MIGRATE control statement.

System action:
The program continues to read and analyze the control statements.

User response:
Determine from the job log messages why the OPEN failed, correct the problem and resubmit the job.

Detecting CSECT:

GTDEXTV

GTD9408I **Target device has *cylinders* primary cylinders, *tracks* alternate tracks.**

Explanation:
The program has used the Read Device Characteristics CCW to obtain the physical configuration of the target device for this MIGRATE control statement.

System action:
The program continues analysis of this volume pair.

Detecting CSECT:
GTDEXTV

GTD9409I **Source device has *cylinders* primary cylinders, *tracks* alternate tracks.**

Explanation:
The program has used the Read Device Characteristics CCW to obtain the physical configuration of the source device for this MIGRATE control statement.

System action:
The program continues analysis of this volume pair.

Detecting CSECT:
GTDEXTV

GTD9410I **Source volume has *cylinders* primary cylinders, *tracks* alternate tracks.**

Explanation:
The program has read the format four DSCB from the source volume VTOC. The number of primary cylinders is calculated by subtracting the number of alternate cylinders (from DS4DEVAC, if valid, or DS4NOATK/15) from the number of logical cylinders (DS4DSCYL).

System action:
The program compares the size of the volume with the characteristics of the target device, to determine whether ICKDSF will be needed to correct the VTOC after this migration is complete.

Detecting CSECT:
GTDEXTV

GTD9411I **Target device and source volume are identical.**

Explanation:
The size of the volume (message GTD9410I) matches the characteristics of the target device (message GTD9408I).

System action:
The program continues to read the input control statements.

Detecting CSECT:
GTDEXTV

GTD9412I **Volume REFORMAT required: *explanation*.**

Explanation
The source volume for this MIGRATE statement does not match the physical characteristics of the target device. If the option is in effect for this volume, TDMF will invoke ICKDSF immediately after swap completion.

The message also explains why ICKDSF would be invoked for the volume. This explanation can be one of the following:

Alternate track count mismatch.
Migration to larger capacity device.
Migration to smaller capacity device.

System action:
The program determines whether the ICKDSF option is valid for the volume.

Detecting CSECT:
GTDEXTV

GTD9413W **No automatic REFVTOC: *explanation*.**

Explanation
The source volume for this MIGRATE statement is not eligible for TDMF ICKDSF processing.

The message also explains why ICKDSF cannot be invoked for the volume. This explanation can be one of the following:

Source volume has free space error.
Source volume not mounted PRIVATE.
Source volume has non-standard VTOC.
Session option "NOICKDSF" requested.

System action:
The program continues to search the input stream for additional MIGRATE control statements.

User response:
Correct the situation preventing the REFORMAT REFVTOC, or choose a different target device for this volume.

Detecting CSECT:
GTDEXTV

GTD9414W **No automatic EXTVTOC: *explanation*.**

Explanation
GTDEXTV has determined that the source volume's VTOC should be extended after the migration to allow a greater number of dataset extents to be allocated on the larger target device. However, the program has

detected a condition for this volume that would prevent the VTOC being automatically extended.

The message also explains why ICKDSF will not be called to perform the EXTVTOC function for the volume. This explanation can be one of the following:

Source volume not mounted PRIVATE.
Source volume does not have a valid VTOC index.
Source volume has non-standard VTOC.
Session option "NOICKDSF" requested.
Option "NOEXTVTOC" in effect for volume.

System action:
GTDEXTV will determine whether REFVTOC is possible for the volume, otherwise the program continues to search the input stream for additional MIGRATE control statements.

User response:
Correct the situation preventing the REFORMAT EXTVTOC, or choose a different target device for this volume.

Detecting CSECT:
GTDEXTV

GTD9415I Target VTOC size exceeds source by *tracks* tracks.

Explanation:
GTDEXTV is calculating the "ideal" size for the VTOC after the volume is migrated to the larger target device. One of the considerations is the size of the VTOC that was built at target volume initialization.

System action:
The program continues to calculate the required VTOC size.

Detecting CSECT:
GTDEXTV

GTD9416I Source volume is *volume-utilization* utilized, VTOC is VTOC-*utilization*.

Explanation

GTDEXTV is calculating the "ideal" size for the VTOC after the volume is migrated to the larger target device. The program has read the Volume Table of Contents from the source volume and calculated two utilization percentages.

Volume utilization is the ratio of the tracks occupied by datasets to the total number of tracks on the volume. Tracks occupied by the VTOC and its index are subtracted from both numbers.

VTOC utilization is the ratio of the number of DSCBs in use to the total. The two first DSCBs and the format one DSCB for the VTOC index are not counted.

System action:
The program continues to calculate the required VTOC size.

Detecting CSECT:
GTDEXTV

GTD9417I VTOC extension not required.

Explanation:
The program has determined that the VTOC on the source volume is large enough to contain the increased number of DSCB records required for the volume after its migration to a larger device. This message is also issued if the "NOEXTVTOC" option was specified for the volume.

System action:
The program determines whether REFVTOC is required.

Detecting CSECT:
GTDEXTV

GTD9418I VTOC extension of *n* tracks required.

Explanation:
The program has determined that the VTOC on the source volume should be extended after a migration to this target device.

System action:
The program checks for sufficient free space adjacent to the VTOC.

Detecting CSECT:
GTDEXTV

GTD9419W Dataset allocated at *offset* tracks: *dataset-name*.

Explanation:
The program is examining the tracks adjacent to the Volume Table of Contents, to determine whether the VTOC can be extended to its "ideal" size. A dataset has been found occupying one or more of the tracks earmarked for the VTOC expansion. The offset provided in the message is the maximum number of tracks by which the VTOC can be extended unless this dataset is moved or deleted from the volume.

System action:
If the offset is zero, the program will determine whether REFVTOC is possible for the volume.

User response:
Prevent new allocations on the volume and move this dataset before attempting the migration of this volume.

Detecting CSECT:
GTDEXTV

GTD9420E **Ownerless data extent at CCHH *track-address*; FMT3 DSCB at CCHR *disk-address*.**

Explanation

The program is building a map of the volume to determine which datasets might need to be moved to allow VTOC extension. A format three DSCB was found that was not pointed to by a format one or format three DSCB.

The VTOC is read without serialization, so this situation might occur if an application used EOV to extend a dataset on the volume during GTDEXTV VTOC processing.

System action:
The program continues to build the VTOC dataset map.

User response:
Validate and repair the VTOC before attempting to migrate this volume.

Detecting CSECT:
GTDEXTV

GTD9421I **REFORMAT EXTVTOC(*tracks*) is possible.**

Explanation:
The program could not find any reason to suppose that ICKDSF EXTVTOC processing would not be successful for this volume.

System action:
The program continues to search the input stream for additional MIGRATE control statements.

Detecting CSECT:
GTDEXTV

GTD9423E **Dataset allocated at CCHH *track-address*: *dataset-name*.**

Explanation

The program has determined that the target device has fewer primary cylinders than are defined on the source, and is examining the VTOC on the source volume to check for datasets allocated at cylinder addresses that are not supported by the target device.

The dataset specified in this message is allocated on one of these cylinders and could not be copied to the target volume during the migration.

System action:
The program continues to search the input stream for additional MIGRATE control statements.

User response:
Choose a larger target device, or prevent new allocations on the volume and move this dataset, before attempting the migration of this volume.

Detecting CSECT:
GTDEXTV

GTD9424I **REFORMAT REFVTOC is possible.**

Explanation:
The program could not find any reason to suppose that ICKDSF REFVTOC processing would not be successful for this volume.

System action:
The program continues to search the input stream for additional MIGRATE control statements.

Detecting CSECT:
GTDEXTV

GTD9425E **Invalid count field at CCHR *disk-address*: *count-field*.**

Explanation:
The VTOC on the source volume contains a record that does not have a key length of 44 and a data length of 96.

System action:
The program continues to search the input stream for additional MIGRATE control statements.

User response:
There appears to be a damaged VTOC on this volume. Attempt to print it with ADRDSSU to confirm the error, then empty the volume and reinitialize it.

Detecting CSECT:
GTDEXTV

GTD9426S **Insufficient virtual storage for VTOC map; current region size is *region-size*.**

Explanation:
The GTDEXTV program builds a model of the source volume VTOC in the extended private storage area. The standard 32MB extended region should be large enough for a volume containing almost a half million datasets, so this message probably indicates a program error.

System action:
The program terminates.

Programmer response:
Contact technical support.

Detecting CSECT:
GTDEXTV

GTD9427I **Source volume is empty.**

Explanation:
The program is building a model of the source volume's VTOC in order to determine whether a required VTOC extension can be performed, without moving the datasets close to the end of the VTOC, or whether datasets exist at addresses in a large volume

that would prevent a migration to a smaller target device. In either case there are no datasets in the VTOC, so either the VTOC can be extended or the volume can be shrunk without first having to move or delete datasets.

System action:
The program continues to examine this migration volume pair.

Detecting CSECT:
GTDEXTV

GTD9428S Error parsing MIGRATE statement.

Explanation:
The program expects that the source and target volume serial numbers appear as positional parameters on the first, or only, record of the MIGRATE control statement. This message is issued when GTDEXTV cannot extract both serial numbers from this single card image.

System action:
The program terminates.

User response:
Rewrite the input control statements so that the two serial numbers and the (NO)EXTVTOC option, if required, appear on the same input record as the MIGRATE keyword, and resubmit the job.

Detecting CSECT:
GTDEXTV

GTD9435S Read Device Characteristics failed for target.

Explanation:
An attempt to execute the RDC CCW using EXCP was unsuccessful.

System action:
The program terminates with a U0135 Abend.

Programmer response:
Contact technical support.

Problem determination:
GPR2 contains the address of the IOB for the failing EXCP request. This should be used to start the debugging process if a SYSUDUMP DD statement was supplied.

Detecting CSECT:
GTDEXTV

GTD9436S Read Data for Format Four DSCB failed on target volume.

Explanation:
An attempt to read the first VTOC record using EXCP was unsuccessful.

System action:
The program terminates with a U0136 Abend.

Programmer response:
Contact technical support.

Problem determination:
GPR2 contains the address of the IOB for the failing EXCP request. This should be used to start the debugging process if a SYSUDUMP DD statement was supplied.

Detecting CSECT:
GTDEXTV

GTD9437S Read Device Characteristics failed for source.

Explanation:
An attempt to execute the RDC CCW using EXCP was unsuccessful.

System action:
The program terminates with a U0137 Abend.

Programmer response:
Contact technical support.

Problem determination:
GPR2 contains the address of the IOB for the failing EXCP request. This should be used to start the debugging process if a SYSUDUMP DD statement was supplied.

Detecting CSECT:
GTDEXTV

GTD9438S Read Track of VTOC failed on source; CCHH: *track-address*.

Explanation:
An attempt to read a track of data from the source volume was unsuccessful.

System action:
The program terminates with a U0138 Abend.

Programmer response:
Contact technical support.

Problem determination:
GPR2 contains the address of the IOB for the failing EXCP request. This should be used to start the debugging process if a SYSUDUMP DD statement was supplied.

Detecting CSECT:
GTDEXTV

GTD9439I Source volume VTOC matches smaller target device.

Explanation:
Although the source device is configured with more primary cylinders than the target, the volume appears to have been initialized on, and subsequently migrated from, a device that matches this target. Because the VTOC does not define cylinders for dataset allocation

with addresses that are not supported on the target device, TDMF will allow this migration.

System action:
The program continues to search the input stream for additional MIGRATE control statements.

Detecting CSECT:
GTDEXTV

GTD9440E Volume not indexed. No migration to smaller device.

Explanation:
The source volume is configured with more primary cylinders than the target device, so it is possible for dataset allocations to occur a cylinder addresses that are not supported on the target device. TDMF will only allow this type of large to small migration if the Volume Pack Space Map (VPSM) records in the VTOC index can be monitored to check for allocations at high cylinder addresses. This volume migration will not be started by TDMF because there is no valid VTOC index to monitor.

System action:
The program continues to search the input stream for additional MIGRATE control statements.

User response:
Build or repair the VTOC index on the source volume or choose a larger target device for this migration.

Detecting CSECT:
GTDEXTV

GTD9441E Authorization failed for volume. R15: *R15-contents*, RACROUTE return/reason code: *return-code/reason-code*.

Explanation:
The program has determined that ICKDSF should be invoked to correct the Volume Table of Contents following this migration. The source volume serial number is defined for the DASDVOL RACF resource class and the current user does not have ALTER authority for the volume. This will cause ICKDSF to fail the REFORMAT request if the same RACF userid is assigned to the TDMF Master job.

System action:
The program continues to search the input stream for additional MIGRATE control statements.

User response:
Ensure that the userid to which the TDMF Master migration job will be assigned has ALTER authority for this volume in the DASDVOL resource class. Validate this by resubmitting the GTDEXTV job with the correct RACF user profile assigned.

Detecting CSECT:
GTDEXTV

GTD9442E VTOC at too high an address for smaller target device.

Explanation:
The program is validating a migration to a target device with fewer primary cylinders than are defined in the source volume's VTOC. The VTOC itself is allocated at a cylinder address that is not supported on the target device, so the migration is impossible.

System action:
The program continues to search the input stream for additional MIGRATE control statements.

User response:
Choose a larger target device for this volume migration.

Detecting CSECT:
GTDEXTV

GTD9445S Read Subsystem Data (CFWid) failed for target.

Explanation:
An attempt to execute the RSD CCW using EXCP was unsuccessful. The device characteristics information shows that Cache Fast Write is supported on the device.

System action:
The program terminates with a U0145 Abend.

Programmer response:
Contact technical support.

Problem determination:
GPR2 contains the address of the IOB for the failing EXCP request. This should be used to start the debugging process if a SYSUDUMP DD statement was supplied.

Detecting CSECT:
GTDEXTV

GTD9446I Target Subsystem Cache Fast Write id: *cfwid*.

Explanation:
The program is attempting to determine whether the detection of a job using the Cache Fast Write (CFW) feature during the course of the migration should cause termination. For a swap migration, an active CFW application is only permitted when the source and target subsystems have the same Cache Fast Write identifier.

System action:
The program continues to analyze the target device.

Detecting CSECT:
GTDEXTV

GTD9447S Read Subsystem Data (CFWid) failed for source.

Explanation:
An attempt to execute the RSD CCW using EXCP was unsuccessful. The device characteristics information shows that Cache Fast Write is supported on the device.

System action:
The program terminates with a U0147 Abend.

Programmer response:
Contact technical support.

Problem determination:
GPR2 contains the address of the IOB for the failing EXCP request. This should be used to start the debugging process if a SYSUDUMP DD statement was supplied.

Detecting CSECT:
GTDEXTV

GTD9448I Source Subsystem Cache Fast Write id: *cfwid*.

Explanation:
The program is attempting to determine whether the detection of a job using the Cache Fast Write (CFW) feature during the course of the migration should cause termination. For a swap migration, an active CFW application is only permitted when the source and target subsystems have the same Cache Fast Write identifier.

System action:
The program continues to analyze the source volume.

Detecting CSECT:
GTDEXTV

GTD9449I Cache Fast Write will be allowed during this volume migration.

Explanation:
The program has determined that the source and target subsystems have the same Cache Fast Write (CFW) identifier. This means that an application using CFW on the source volume at the time of the migration will continue to function correctly after the device swap.

System action:
The program continues to compare the source and target volume characteristics.

Detecting CSECT:
GTDEXTV

GTD9451S Unable to extract EXTVTOC parameter.

Explanation:
The program has found the EXTVTOC keyword on a SESSION, GROUP or MIGRATE control statement and is unable to extract the required VTOC size parameter.

System action:
The program terminates.

User response:
Rewrite the input control statements so that the EXTVTOC(*nnnn*) option specification does not span multiple control statement records and resubmit the job.

Detecting CSECT:
GTDEXTV

GTD9452W OPEN failed for source volume VTOC index.

Explanation
The program has determined that a REFORMAT REFVTOC will be required following the swap migration requested on the previous MIGRATE control statement, and that the ICKDSF program installed on the system is not at a level where the VTOC index will be automatically reallocated and expanded as part of this process. For this reason, the GTDEXTV program is attempting to read the VIXM record to determine if there are sufficient unallocated VIRs for the additional VPSM records required.

The VTOC index dataset on the source volume could not be opened, so it is impossible to predict whether the REFVTOC would be successful.

System action:
The program continues with the next MIGRATE control statement.

User response:
Determine from the job log messages why the OPEN failed, correct the problem and resubmit the job.

Detecting CSECT:
GTDEXTV

GTD9453W Read Data (VIXM) request failed on source volume.

Explanation
The program has determined that a REFORMAT REFVTOC will be required following the swap migration requested on the previous MIGRATE control statement, and that the ICKDSF program installed on the system is not at a level where the VTOC index will be automatically reallocated and expanded as part of this process. For this reason, the GTDEXTV program is attempting to read the VIXM record to determine if there are sufficient unallocated VIRs for the additional VPSM records required.

An attempt to read the first VTOC index record (the VIXM) using EXCP was unsuccessful.

System action:

The program continues with the next MIGRATE control statement.

Programmer response:
Contact technical support.

Detecting CSECT:
GTDEXTV

GTD9454W Insufficient unused VTOC index records for REFVTOC.

Explanation

The program has determined that a REFORMAT REFVTOC will be required following the swap migration requested on the previous MIGRATE control statement, and that the ICKDSF program installed on the system is not at a level where the VTOC index will be automatically reallocated and expanded as part of this process. For this reason, the GTDEXTV program has analyzed the VIXM record to determine the number of unallocated VIRs.

The REFORMAT REFVTOC will require more index records, to map the additional cylinders on the target device, than are currently available in the index dataset. The volume cannot be migrated without expanding the VTOC index - which means that the VTOC must also be extended, unless a more recent version of the ICKDSF program is installed.

System action:
The program continues with the next MIGRATE control statement.

User response:
Attempt to move the dataset(s) adjacent to the VTOC, so that both the VTOC and index can be extended.

Programmer response:
Upgrade the ICKDSF program to the latest (DVE) maintenance level.

Detecting CSECT:
GTDEXTV

GTD9468I Return code from CALLRTM was *return-code*.

Explanation:
The TDMF Hang Monitor attempted to terminate the TDMF session because it appeared to have stopped volume processing. The return code from the CALLRTM macro was not zero.

System action:
The Hang Monitor terminates with abend code U3897.

Programmer response:
This is probably a programming error. Record the CALLRTM return code and contact technical support.

Detecting CSECT:
GTDHMON

GTD9469W The Hang Monitor has detected a lack of activity.

Explanation:
The TDMF Hang Monitor has detected that its associated TDMF session has been dormant for at least one minute.

System action:
The TDMF Hang Monitor continues to monitor the TDMF session. Additional "hang" conditions will not be reported unless they occur while one or more volumes are quiesced.

Programmer response:
Investigate the console log to determine which external factors might have caused the TDMF session to hang. It might be possible for other systems to lock out TDMF from source volumes or the volume containing the Communications Dataset.

Detecting CSECT:
GTDHMON

GTD9470E Hang detected with source device *device-number* quiesced.

Explanation:
The TDMF Hang Monitor has detected that its associated TDMF session has been dormant for at least one minute and that a source device is in the quiesced state.

System action:
The TDMF Hang Monitor attempts to determine the cause of the hang - and may abnormally terminate the TDMF session.

Programmer response:
Recover the device if the TDMF recovery routines failed to do this during cleanup. Determine why the TDMF session was dormant; if the quiesced volume contains a page dataset, it may be necessary to reduce the utilization of real storage before it can be successfully migrated.

Detecting CSECT:
GTDHMON

GTD9471E Hang detected with target device *device-number* quiesced.

Explanation:
The TDMF Hang Monitor has detected that its associated TDMF session has been dormant for at least one minute and that a target device is in the quiesced state.

System action:
The TDMF Hang Monitor attempts to determine the cause of the hang - and may abnormally terminate the TDMF session.

Programmer response:

Recover the device if the TDMF recovery routines failed to do this during cleanup. This message is usually accompanied by GTD9470E. If so, respond as described for this message.

Detecting CSECT:
GTDHMON

GTD9472I Hang detected with source device *device-number* active.

Explanation:
The TDMF Hang Monitor has detected that its associated TDMF session has been dormant for at least one minute and has issued message GTD9470E or GTD9471E for a device which has been quiesced by TDMF. The TDMF main task appears to be waiting for I/O to complete on this source device.

System action:
The TDMF Hang Monitor continues to operate.

Detecting CSECT:
GTDHMON

GTD9473I Hang detected with target device *device-number* active.

Explanation:
The TDMF Hang Monitor has detected that its associated TDMF session has been dormant for at least one minute and has issued message GTD9470E or GTD9471E for a device which has been quiesced by TDMF. The TDMF main task appears to be waiting for I/O to complete on this target device.

System action:
The TDMF Hang Monitor continues to operate.

Detecting CSECT:
GTDHMON

GTD9474I Hang detected with Communications Dataset I/O active.

Explanation:
The TDMF Hang Monitor has detected that its associated TDMF session has been dormant for at least one minute and that at least one migration source or target device has been quiesced by TDMF. The TDMF main task appears to be waiting for I/O to complete for the Communications Dataset.

System action:
The TDMF Hang Monitor assumes that the device(s) will be resumed once access to the Communications Dataset has been reestablished. TDMF Monitor processing continues.

Detecting CSECT:
GTDHMON

GTD9475W Hang detected with RESERVE SVC active.

Explanation:
The TDMF Hang Monitor has detected that its associated TDMF session has been dormant for at least one minute and that at least one migration source or target device has been quiesced by TDMF. The TDMF main task has issued a RESERVE macro for the Communications Dataset, but has not started the subsequent read operation. It is probable that the RESERVE has been converted to a global ENQ and that a fault in the Sysplex has delayed processing of this request.

System action:
The TDMF Hang Monitor assumes that the situation that delayed processing of the RESERVE request is temporary and will be resolved. TDMF Hang Monitor processing continues.

Programmer response:
Investigate the parameters which control conversion of RESERVE requests to global ENQs and change them to ensure that no such conversion will be performed for the TDMFRESV resource.

Detecting CSECT:
GTDHMON

GTD9655I The GTDBMON interface is active. Job *monitor-job* may be issuing TDMF migration commands.

Explanation:
The customer has activated the TDMF Batch Monitor (BMON) interface by starting it as an MVS started task or as a batch job. The interface may issue commands that can affect the migration of volumes.

System action:
TDMF execution continues normally.

Detecting CSECT:
GTDBMON

GTD9701S No successful P-i-T copies in migration session.

Explanation:
The most recent migration session described in the supplied Communications Dataset does not appear to have included REPLICATE control statements, or these PIT volume replications did not complete successfully.

System action:
The Delayed OVA session terminates.

User response:
Retry the GTDDOVA session with the correct Communications Dataset, or rerun the migration session to successfully create the group of PIT volume copies.

Detecting CSECT:
GTDDOVA

GTD9702S **This system, *SMF-id*, was not involved in migration session.**

Explanation:
The system on which the GTDDOVA program is executing did not participate in the migration session described in the supplied Communications Dataset.

System action:
The Delayed OVA session terminates.

User response:
Use the TDMF TSO Monitor to identify the systems that participated in the session which created the PIT copies of interest and restart the Delayed OVA session on one of these systems.

Detecting CSECT:
GTDDOVA

GTD9703S **Failure accessing Communications Dataset. Return code *return-code*; reason code *reason-code*.**

Explanation:
The subroutine used by GTDDOVA to read control blocks from the Communications Dataset has set a non-zero return code. The reason code in the message is the code returned by GTDCDIO.

System action:
The Delayed OVA session terminates.

Detecting CSECT:
GTDDOVA

GTD9704S **Volume serial *volume-serial* was not found in label on device *device-number*.**

Explanation:
The GTDDOVA program has read the volume label from the specified device. According to the supplied Communications Dataset, there is a replication target volume mounted on the device, but this is no longer true.

System action:
The Delayed OVA session terminates.

User response:
Ensure that the latest Communications Dataset for the PIT volume copies to be processed is specified in the GTDDOVA JCL. Ensure that PIT target volumes are not relabeled if they will be required for Delayed OVA processing.

Detecting CSECT:
GTDDOVA

GTD9705S **Target device for volume *volume-serial* was not installed on this system.**

Explanation:
The system on which the GTDDOVA program is executing participated in the migration session described in the supplied Communications Dataset. However, on this system the target device for the specified volume was not online at the time of the PIT replication.

System action:
The Delayed OVA session terminates.

User response:
Resubmit the GTDDOVA session on another of the participating systems. Target devices are always online to the TDMF Master system.

Detecting CSECT:
GTDDOVA

GTD9706S **Unable to locate UCB for target device *device-number*.**

Explanation:
According to the supplied Communications Dataset, a PIT target volume was mounted on the specified target device. There is no longer a DASD device in the system with this address.

System action:
The Delayed OVA session terminates.

User response:
Ensure that the latest Communications Dataset for the PIT volume copies to be processed is specified in the GTDDOVA JCL. Determine whether the device still exists on one of the other participating systems. If so, resubmit the Delayed OVA session on that system.

Detecting CSECT:
GTDDOVA

GTD9707S **Target device for volume *volume-serial* in SYSCOM was DOVA type.**

Explanation:
The GTDDOVA job was submitted with an invalid Communications Dataset specified on the SYSCOM DD statement. This dataset appears to have been created by an earlier Delayed OVA session.

System action:
The Delayed OVA session terminates.

User response:
Resubmit the job with the correct SYSCOM file.

Detecting CSECT:
GTDDOVA

GTD9708S **DOVACOM dataset allocated on VIO device.**

Explanation:
The installation's DADSM exits have caused the temporary Communications Dataset file to be allocated on a VIO device. TDMF cannot process this

file as a Communications Dataset for the new Delayed OVA session.

System action:
The Delayed OVA session terminates.

User response:
Allocate a permanent dataset as large as the previous Communications Dataset and add a DOVACOM DD statement referencing this dataset to the GTDDOVA JCL. The user assigned to the Delayed OVA job must have ALTER authority for this dataset.

Detecting CSECT:
GTDDOVA

GTD9709S DOVACOM dataset not allocated on cylinder boundaries.

Explanation:
The installation's DADSM exits have caused the temporary Communications Dataset file to be allocated in tracks and not in contiguous cylinders as requested. TDMF cannot process this file as a Communications Dataset for the new Delayed OVA session.

System action:
The Delayed OVA session terminates.

User response:
Allocate a permanent dataset as large as the previous Communications Dataset and add a DOVACOM DD statement referencing this dataset to the GTDDOVA JCL. The user assigned to the Delayed OVA job must have ALTER authority for this dataset.

Detecting CSECT:
GTDDOVA

GTD9710S DOVACOM dataset too small.

Explanation:
The dataset specified on the DOVACOM DD statement is too small for this Delayed OVA session.

System action:
The Delayed OVA session terminates.

User response:
Allocate a permanent dataset as large as the previous Communications Dataset and add a DOVACOM DD statement referencing this dataset to the GTDDOVA JCL. The user assigned to the Delayed OVA job must have ALTER authority for this dataset.

Programmer response:
Contact technical support if this message is issued when a DOVACOM DD statement was not supplied. This would be a programming error.

Detecting CSECT:
GTDDOVA

GTD9711S Target device *device-number* now online.

Explanation:
According to the supplied Communications Dataset, a PIT target volume was mounted on the specified target device. This device has been varied online and is not suitable for Delayed OVA processing.

System action:
The GTDDOVA program abends with code U0005.

User response:
Ensure the Delayed OVA target volumes have not been modified since the PIT replication was successfully completed. If that is the case, vary them offline to this system and resubmit the GTDDOVA job.

Detecting CSECT:
GTDDOVA

GTD9900E Message number *n* was not found.

Explanation:
The indicated message number n was not found in the message table.

System action:
TDMF execution continues.

Programmer response:
Contact technical support for assistance.

Detecting CSECT:
GTDCMSG, GTDVPST

Return codes

Return codes are listed in numerical order for reference.

Table 1. GTDAKEY and GTDLKEY

Code	Description
0	**Explanation** Normal return code. Passed authority checking with license key. Authorization is good. **System Action** TDMF authorization records are updated to permit migrations.
4	**Explanation** Normal return code. Passed authority checking with an override. Authorization is limited to Trial Feature. **System Action** TDMF authorization records are updated to permit migrations under the Trial Feature.
8	**Explanation** Failed authority checking as the CPU is not defined to TDMF. **System Action** TDMF authorization records are not updated. **System Programmer Response** Verify that the CPU is authorized to run TDMF. If additional assistance is needed, contact the technical support.
28	**Explanation** Failed authority checking as the license to use TDMF has expired. **System Action** TDMF authorization records are not updated. **System Programmer Response** Verify that the key is correct. Check the expiration date of the key, or that the key was installed within five days of issuance. If additional assistance is needed, contact the IBM Technical Support.
64	**Explanation** A program check occurred. **System Action** TDMF authorization records are not updated. **System Programmer Response** Verify input statements. If additional assistance is needed, contact the technical support.
516	**Explanation** Error loading module GTDUKEY. **System Action** TDMF authorization terminates. **System Programmer Response** Verify that the correct load library is referenced on the STEPLIB DD JCL statement. If additional assistance is needed, contact the technical support.

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Table 1. GTDAKEY and GTDLKEY (continued)	
Code	**Description**
520	**Explanation** Error locating CPU PCCA. **System Action** TDMF authorization terminates. **System Programmer Response** Re-run the authorization job. If additional assistance is needed, contact the technical support.
524	**Explanation** Error in caller identification. **System Action** TDMF authorization terminates. **System Programmer Response** Contact the technical support for assistance.
528	**Explanation** Error in date conversion. **System Action** TDMF authorization terminates. **System Programmer Response** Verify that the **Express** statement and key are correct. Re-run the failing authorization job or contact the technical support for assistance.
532	**Explanation** Error with Enterprise key. **System Action** TDMF authorization terminates. **System Programmer Response** Verify that the key is correct and check the key expiration date. If additional assistance is needed, contact the technical support.
540	**Explanation** Error with Trial Express key. **System Action** TDMF authorization terminates. **System Programmer Response** Verify that the key is correct and check the key expiration date. If additional assistance is needed, contact the technical support.
544	**Explanation** Error with TeraByte key. **System Action** TDMF authorization terminates. **System Programmer Response** Verify that the key is correct and check the key expiration date. If additional assistance is needed, contact the technical support.

Table 1. GTDAKEY and GTDLKEY (continued)	
Code	**Description**
548	**Explanation** Error with Vendor key. **System Action** TDMF authorization terminates. **System Programmer Response** Verify that the key is correct and check the key expiration date. If additional assistance is needed, contact the technical support.
552	**Explanation** Error with TDMF version definition. **System Action** TDMF authorization terminates. **System Programmer Response** Verify that the proper TDMF version is specified. If additional assistance is needed, contact the technical support.
556	**Explanation** Program error. **System Action** TDMF authorization terminates. **System Programmer Response** Contact the technical support for assistance.
4096	**Explanation** No valid keys detected. **System Action** TDMF authorization terminates. **Problem Determination** Uninitialized key data set. **System Programmer Response** Run the SYSOPTN batch job.

Table 2. GTDCDIO	
Code	**Description**
1	**Explanation** Failure in DEVTYPE macro. **Problem Determination:** The reason code contains the DEVTYPE return code.
2	**Explanation** COMMDS OPEN failed. **Problem Determination** The reason code contains the return code from OPEN.
3	**Explanation** The TTR0 conversion routine failed or the SYSCOM DD statement does not point to a valid Communications Data Set (COMMDS).

Table 2. GTDCDIO (continued)	
Code	**Description**
4	**Explanation** I/O error accessing the Communications Data Set (COMMDS).
5	**Explanation** Invalid parameter list passed to GTDCDIO. Program logic error.
7	**Explanation** Invalid record number detected. Program logic error.
9	**Explanation** Sequence error (program logic error).
10	**Explanation** The Communications Data Set (COMMDS) was created by an unsupported TDMF version or release.
16	**Explanation** The SYSCOM DD JCL statement defines multiple or concatenated data sets.

Table 3. GTDCLIP	
Code	**Description**
0	**Explanation** Program completed successfully.
8	**Explanation** A Point-In-Time target device was not offline.
12	**Explanation** The general purpose Communications Data Set access module, GTDCDIO, returned a non-zero return code in response to a request to access the specified data set. **System Programmer Response** See GTDCDIO on "GTDCDIO" for more information.

Table 3. GTDCLIP (continued)

Code	Description
20	**Explanation** • No successful migrations in the session. • The program successfully read the migration control blocks from the Communications Data Set (COMMDS). None of the migration volumes were found to have completed without an error indication. • This system was not involved in migration session The MVS system was not a participating Master or Agent system in the migration session described by the Communications Data Set (COMMDS) provided. • Mix of Swap and Point-In-Time volumes. The supplied Communications Data Set (COMMDS) was generated in a session that included both Swap and Point-in-Time volume migrations. The GTDCLIP program will only generate control statements for one ICKDSF function. • Swap source volumes: Agent system. The supplied Communications Data Set (COMMDS) was generated in a session for which this system was a TDMF agent. The ICKDSF "INIT" function is only valid on the original Master system. • Swap source volumes: Missing "MODEL" DD statement. The DD statement used by GTDCLIP to extract the required VTOC and index configuration for the ICKDSF "INIT" function has not been supplied. • Swap source volumes: "MODEL" volume not in use. The program cannot access the VTOC Information Block (VIB) for the volume referenced by the "MODEL" DD statement. **Problem Determination:** In most cases, return code 20 is accompanied by an explanatory message in the job log.

Table 4. GTDCLUP

Code	Description
0	**Explanation** Normal exit from GTDCLUP. **System Action** TDMF virtual storage and migration device clean up was successful (or unnecessary).

Table 4. GTDCLUP (continued)	
Code	**Description**
4	**Explanation** One or more warning messages were issued by GTDCLUP. **System Action** An unusual condition was encountered during virtual storage or device validation and clean up. The program was unable to determine whether a problem exists, or has failed to write the TDMF messages and control blocks to the original SYSCOM dataset. **Problem Determination** This return code is always accompanied by one or more explanatory warning messages (suffix "W"). **User Response** Examine the warning message(s) and respond accordingly.
8	**Explanation** One or more error messages were issued by GTDCLUP. **System Action** An error condition was encountered during virtual storage or device validation and clean up. **Problem Determination** This return code is always accompanied by one or more error messages (suffix "E"). These messages should be used to diagnose the problem. **User Response** Evaluate the error message(s), together with any warning messages that might also have been issued, and respond accordingly.
12	**Explanation** One or more severe error messages were issued by GTDCLUP. **System Action** The program is not APF authorized, the SYSPRINT DD statement is missing, or a system macro instruction set an unacceptable return code. **Problem Determination** This return code is always accompanied by a severe error message (suffix "S"), either in the SYSPRINT output or the job log. **User Response** Respond as described for the severe error message that was issued.

Table 5. GTDDOVA	
Code	**Description**
0	**Explanation** Program completed successfully.

Table 5. GTDDOVA (continued)

Code	Description
12	**Explanation** GTDDOVA sets return code 12 and terminates without invoking the TDMF main task module, GTDMAIN, for one of the following reasons: • No successful PIT migrations in the session.p Of the volume migration(s) described by the supplied Communications Data set, none is a successfully completed Point-In-Time copy migration. Delayed Offline Volume Access (Delayed OVA) cannot be used with these volumes. • This system was not involved in migration session. The MVS system was not a participating Master or Agent system in the migration session described by the Communications Data set specified on the SYSCOM DD statement. • Target volser changed. One of the Point-In-Time migration target volumes described in the supplied Communications Data set has been relabeled since the TDMF job was run and can no longer be considered a valid copy. • Target volume unknown on this system. The UCB for one of the migration target devices was not available to the original TDMF session. • Target UCB invalid. The UCB address found for a migration target device by the original TDMF session no longer points to the target UCB. • Unable to read Communications Data set. **Problem Determination** In all cases, when GTDDOVA set a return code of 12, an explanatory message is written to the job log.

Table 6. GTDLOGS. General purpose register 15 on completion of GTDLOGS contains both the reason code in bits 0-15 and the return code in bits 16-31.

Code	Description
0	**Explanation** Successful execution. **System Action** GTDLOGS completed normally.
400	**Explanation** History Logging not installed. **System Programmer Response** Contact the technical support for assistance.

Table 6. GTDLOGS. General purpose register 15 on completion of GTDLOGS contains both the reason code in bits 0-15 and the return code in bits 16-31. *(continued)*

Code	Description
404	**Explanation** RACF authority checking failed. **System Action** GTDLOGS completed in error. **Problem Determination** The reason code in bits 0-15 is the return code from the RACROUTE macro request. **System Programmer Response** Evaluate the return code from RACROUTE and respond accordingly. If further assistance is needed, contact the technical support.
408	**Explanation** ESTAE recovery error. **System Action** GTDLOGS completed in error. **System Programmer Response** Contact the technical support for assistance.
412	**Explanation** ENQ for History Data set failed. An attempt to acquire exclusive control of the History Data set was not successful; if the reason code is four, the program's 30 second timer elapsed while waiting for the data set to become available. This code is only returned to APF authorized callers (for others, the ENQ is performed by the DYNALLOC SVC and code 424 will be returned). **System Action** GTDLOGS completed in error. **System Programmer Response:** Contact the technical support for assistance.
416	**Explanation** RDJFCB error for the SYSCOM data set. **System Action** GTDLOGS completed in error. **Problem Determination** The reason code in bits 0-15 is the return code from the RDJFCB macro request. **System Programmer Response** Evaluate the return code from RDJFCB and respond accordingly. If further assistance is needed, contact the technical support.
420	**Explanation** Parsing of the data set name failed. **System Action** GTDLOGS completed in error. **System Programmer Response** Contact the technical support for assistance.

Table 6. GTDLOGS. General purpose register 15 on completion of GTDLOGS contains both the reason code in bits 0-15 and the return code in bits 16-31. *(continued)*

Code	Description
424	**Explanation** DYNALLOC error during allocation of data set. The reason code in bits 0-15 is the return code from the DYNALLOC macro request. The dynamic allocation will fail if the History Logging data set is currently in use by another job or TSO user. The name of the History Logging data set is one of the installation options and can be displayed using the TSO monitor (Display Installation Options and Environment). **System Action** GTDLOGS completed in error. **Problem Determination** If GTDLOGS was called from a batch job, a dynamic allocation error message will be written to the job log. **System Programmer Response** Evaluate the return code from DYNALLOC, or find the associated IKJnnnnnx message, and respond accordingly. If further assistance is needed, contact the technical support.
428	**Explanation** RDJFCB error for the History Logging data set. **System Action** GTDLOGS completed in error. **Problem Determination** The reason code in bits 0-15 is the return code from the RDJFCB macro request. **System Programmer Response** Evaluate the return code from RDJFCB and respond accordingly. If further assistance is needed, contact the technical support.
432	**Explanation** OPEN of the History Logging data set failed. **System Action** GTDLOGS completed in error. **System Programmer Response** Contact the technical support for assistance.
436	**Explanation** DYNALLOC error during deallocation of data set. **System Action** GTDLOGS completed in error. **Problem Determination** The reason code in bits 0-15 is the return code from the DYNALLOC macro request. **System Programmer Response** Evaluate the return code from DYNALLOC and respond accordingly. If further assistance is needed, contact the technical support.

Table 6. GTDLOGS. General purpose register 15 on completion of GTDLOGS contains both the reason code in bits 0-15 and the return code in bits 16-31. *(continued)*	
Code	**Description**
440	**Explanation** History Logging data set incorrectly defined. **System Action** GTDLOGS completed in error. **Problem Determination** Bits 0-15 of the return code are the return code from the OBTAIN SEARCH macro request. If these bits are zero, the data set was found on the volume but is not a sequential data set with 80 byte fixed length records. **System Programmer Response** Contact the technical support for assistance.
444	**Explanation** Invalid call. **System Action** GTDLOGS completed in error. **System Programmer Response** Contact the technical support for assistance.
448	**Explanation** Error writing log entry. **System Action** GTDLOGS completed in error. **Problem Determination** The reason code in bits 0-15 is the ABEND code. **System Programmer Response** Contact the technical support for assistance.

Table 7. GTDMAIN	
Code	**Description**
0	**Explanation** Normal exit from TDMF. **System Action** TDMF sessions completed successfully.
4	**Explanation** One or more warning messages were issued by TDMF. **System Action** TDMF sessions completed successfully. **Problem Determination** Review the output from the migration job. **User Response** Evaluate the warning messages and respond accordingly.

Table 7. GTDMAIN (continued)	
Code	**Description**
8	**Explanation** One or more error messages were issued by TDMF. **System Action** One or more volume migrations did not complete successfully. **Problem Determination** Review the output from the master migration job and all agent systems. **User Response** Evaluate the error messages and respond accordingly.
12	**Explanation** One or more severe error messages were issued by TDMF. **System Action** One or more volume migrations did not complete successfully. **Problem Determination** Review the output from the master migration job and all agent systems. **User Response** Evaluate the error messages and respond accordingly.

Table 8. GTDMUCB	
Code	**Description**
0	**Explanation** None of the devices passed to the program are involved in a TDMF session. **Problem Determination** R0 contains the number of active TDMF sessions.
4	**Explanation** One or more of the specified devices is the source for a TDMF session. **Problem Determination** R0 contains the number of active TDMF sessions.
8	**Explanation** One or more of the specified devices is the target for a TDMF session. **Problem Determination** R0 contains the number of active TDMF sessions.
12	**Explanation** One or more of the specified devices could not be located or is offline. **Problem Determination** R0 contains the number of active TDMF sessions.
16	**Explanation** An error occurred in the GQSCAN routine. **Problem Determination** R0 bits 0-15 contain the GQSCAN reason code; bits 16-31 contain the GQSCAN return code.

Table 8. GTDMUCB (continued)

Code	Description
20	**Explanation** An error occurred in GTDMUCB. **Problem Determination** R0 contains the abend code (the contents of SDWAABCC at entry to the recovery routine).
24	**Explanation** An error was detected in the caller's parameter list. **Problem Determination** R0 contains a reason code, as follows: • 01 The number of devices is negative. • 02 The function code is non-zero. • 03 The device specification type is not within the range 0:2.
28	**Explanation** An unsupported version of TDMF is active. **Problem Determination** R0 contains the address of the main TDMF control block for the session.

Table 9. GTDQDSK

Code	Description
0	**Explanation** Normal exit from GTDQDSK. **System Action** GTDQDSK completed normally.
4	**Explanation** One or more warning messages were issued by GTDQDSK. **System Action** GTDQDSK completed with warnings. **Problem Determination** Review the output from the GTDQDSK job. **User Response** Evaluate the warning messages and respond accordingly.
8	**Explanation** One or more error messages were issued by TDMF. **System Action** One or more volume migrations did not complete successfully. **Problem Determination** Review the output from the GTDQDSK job. **User Response** Evaluate the error messages and respond accordingly. **System Programmer Response** If further assistance is needed, contact the technical support.

Table 10. GTDSCAN	
Code	**Description**
0	**Explanation** The devices specified were successfully scanned. Non-standard record zeros or records with invalid count fields, as determined by TDMF, were not detected.
4	**Explanation** Completed with warning message(s). **User Response** Investigate and understand the reasons for the warning messages before attempting a TDMF migration of the volumes.
8	**Explanation** Corrective action is necessary for one or more of the volumes before a successful migration can be performed using TDMF.
12	**Explanation** A severe error prevented completion of the volume scan. **User Response** Correct the error and rerun GTDSCAN.
16	**Explanation** OPEN failed for SYSPRINT. **User Response** Correct the SYSPRINT JCL and rerun GTDSCAN.

Table 11. GTDUKEY. General purpose register 15 on completion of GTDUKEY contains both the reason code in bits 0-15 and the return code in bits 16-31. Callers of GTDUKEY can display these codes separately in error messages, or display them as a single decimal number. The easiest way to interpret a return code that is displayed as a large decimal number is to convert the number to hexadecimal (this requires a "scientific" calculator), split off the last four digits and then convert the two resulting hexadecimal numbers back to decimal.	
Code	**Description**
0	**Explanation** Successful execution. **System Action** GTDUKEY completed normally.
200	**Explanation** BLDL error. **System Action** GTDUKEY completed in error. **Problem Determination** The reason code in bits 0-15 is the return code from the BLDL macro request. **System Programmer Response** Evaluate the return code from BLDL and respond accordingly. If further assistance is needed, contact the technical support.

Table 11. GTDUKEY. General purpose register 15 on completion of GTDUKEY contains both the reason code in bits 0-15 and the return code in bits 16-31. Callers of GTDUKEY can display these codes separately in error messages, or display them as a single decimal number. The easiest way to interpret a return code that is displayed as a large decimal number is to convert the number to hexadecimal (this requires a "scientific" calculator), split off the last four digits and then convert the two resulting hexadecimal numbers back to decimal. *(continued)*

Code	Description
204	**Explanation** The GTDKEYS load module has multiple text records, or its format is invalid. **System Action** GTDUKEY completed in error. **System Programmer Response** Contact the technical support for assistance.
208	**Explanation** TTR conversion error. The TTR returned by the BLDL macro is not valid for the GTDKEY data set. **System Action** GTDUKEY completed in error. **Problem Determination** The reason code in bits 0-15 is the non-zero return code from IECPCNVT. **System Programmer Response:** Contact the technical support for assistance.
212	**Explanation** Unsuccessful I/O operation (Read). **System Action** GTDUKEY completed in error. **Problem Determination** The first eight bits of the reason code are copied from the ECB used for the EXCP request. Refer to a description of the IOBECBCC field in the DFSMS/MVS documentation to interpret this value. **System Programmer Response** Contact the technical support for assistance.
216	**Explanation** Unsuccessful I/O operation (Write). **System Action** GTDUKEY completed in error. **Problem Determination** The first eight bits of the reason code are copied from the ECB used for the EXCP request. Refer to a description of the IOBECBCC field in the DFSMS/MVS documentation to interpret this value. **System Programmer Response** Contact the technical support for assistance.

Table 11. GTDUKEY. General purpose register 15 on completion of GTDUKEY contains both the reason code in bits 0-15 and the return code in bits 16-31. Callers of GTDUKEY can display these codes separately in error messages, or display them as a single decimal number. The easiest way to interpret a return code that is displayed as a large decimal number is to convert the number to hexadecimal (this requires a "scientific" calculator), split off the last four digits and then convert the two resulting hexadecimal numbers back to decimal. *(continued)*

Code	Description
220	**Explanation** GETMAIN error. **System Action** GTDUKEY completed in error. **Problem Determination** The reason code in bits 0-15 is the return code from the GETMAIN macro request. **System Programmer Response** Evaluate the return code from GETMAIN and respond accordingly. If further assistance is needed, contact the technical support.
224	**Explanation** RDJFCB error. **System Action** GTDUKEY completed in error. **Problem Determination** The reason code in bits 0-15 is the return code from the RDJFCB macro request. **System Programmer Response** Evaluate the return code from RDJFCB and respond accordingly. If further assistance is needed, contact the technical support.
228	**Explanation** Bad buffer address. **Problem Determination** The I/O buffer address which was passed by the caller to GTDUKEY was zero. Probable programming error. **System Action** GTDUKEY completed in error. **System Programmer Response** Contact the technical support for assistance.
232	**Explanation** Invalid function code. **System Action** GTDUKEY completed in error. **Problem Determination** The requested function was not "Read," "Update" or "Read with reserve." Probable programming error. **System Programmer Response** Contact the technical support for assistance.

Table 12. GTDUQTY. General purpose register 15 on completion of GTDUQTY contains both the reason code in bits 0-15 and the return code in bits 16-31.

Code	Description
0	**Explanation** Successful execution. **System Action** GTDUQTY completed normally.
300	**Explanation** BLDL error. **System Action** GTDUQTY completed in error. **Problem Determination** The reason code in bits 0-15 is the return code from the BLDL macro request. **System Programmer Response** Evaluate the return code from BLDL and respond accordingly. If further assistance is needed, contact the technical support.
304	**Explanation** The GTDKEYS load module has multiple text records, or its format is invalid. **System Action** GTDUQTY completed in error. **System Programmer Response** Contact the technical support for assistance.
308	**Explanation** TTR conversion error. The TTR returned by the BLDL macro is not valid for the GTDKEY data set. **System Action** GTDUQTY completed in error. **Problem Determination** The reason code in bits 0-15 is the non-zero return code from IECPCNVT. **System Programmer Response:** Contact the technical support for assistance.
312	**Explanation** Unsuccessful I/O operation (Read). **System Action** GTDUQTY completed in error. **Problem Determination** The first eight bits of the reason code are copied from the ECB used for the EXCP request. Refer to a description of the IOBECBCC field in the DFSMS/MVS documentation to interpret this value. **System Programmer Response** Contact the technical support for assistance.

Table 12. GTDUQTY. General purpose register 15 on completion of GTDUQTY contains both the reason code in bits 0-15 and the return code in bits 16-31. *(continued)*	
Code	**Description**
316	**Explanation** Unsuccessful I/O operation (Write). **System Action** GTDUQTY completed in error. **Problem Determination** The first eight bits of the reason code are copied from the ECB used for the EXCP request. Refer to a description of the IOBECBCC field in the DFSMS/MVS documentation to interpret this value. **System Programmer Response** Contact the technical support for assistance.
320	**Explanation** GETMAIN error. **System Action** GTDUQTY completed in error. **Problem Determination** The reason code in bits 0-15 is the return code from the GETMAIN macro request. **System Programmer Response** Evaluate the return code from GETMAIN and respond accordingly. If further assistance is needed, contact the technical support.
324	**Explanation** RDJFCB error. **System Action** GTDUQTY completed in error. **Problem Determination** The reason code in bits 0-15 is the return code from the RDJFCB macro request. **System Programmer Response** Evaluate the return code from RDJFCB and respond accordingly. If further assistance is needed, contact the technical support.
328	**Explanation** Express information error. **System Action** GTDUQTY completed in error. **System Programmer Response** Contact the technical support for assistance.

Table 13. GTDVTOC	
Code	**Description**
0	**Explanation** Normal completion.

Table 13. GTDVTOC (continued)

Code	Description
4	**Explanation** One or more devices in the configuration: • Had VTOCs that could not be opened • Contain information which is in conflict with the physical device characteristics reported by the storage controller.
8	**Explanation** The IOERROR flag returned this code for two possible reasons: • An I/O error occurred, in which case the I/O error message will be displayed on the output line for the relevant volume. • An allocation error occurred, in which case the messages returned by the allocation process will be displayed - beginning on the line of the failing volume.

ABEND codes

ABEND codes are listed in numerical order for reference.

Table 14. ABEND codes

Code	Description
U0001	**Detecting CSECT** GTDCDIO **System Programmer Response** Contact technical support for assistance.
U0001	**Explanation** EDTINFO RTNNAMD macro failed. **Detecting CSECT** GTDDOVA **Problem Determination** The abend reason code is the EDTINFO macro return code. **System Programmer Response** Contact technical support for assistance.
U0001	**Explanation** Invalid data returned by VSMLIST. **Detecting CSECT** GTDCLUP **Problem Determination** R2 was loaded from the VSMLIST data area plus four. **System Programmer Response** Contact technical support for assistance.
U0002	**Explanation** Open failure. **Detecting CSECT** GTDCDIO **System Programmer Response** Contact technical support for assistance.
U0002	**Explanation** EDTINFO RTNATTR macro failed. **Detecting CSECT** GTDDOVA **Problem Determination** The abend reason code is the EDTINFO macro return code. **System Programmer Response** Contact technical support for assistance.

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Table 14. ABEND codes (continued)

Code	Description
U0003	**Explanation** TTR0 conversion failed. **Detecting CSECT** GTDCDIO **System Programmer Response** Contact technical support for assistance.
U0003	**Explanation** Allocation of the temporary control statement file (DOVAUT1) failed. **Detecting CSECT** GTDDOVA **Problem Determination** The abend reason code is the value of the S99ERROR code returned by dynamic allocation. Further information about the failure may be found in the job log. **System Programmer Response** Contact technical support for assistance.
U0004	**Explanation** I/O error. **Detecting CSECT** GTDCDIO **System Programmer Response** Contact technical support for assistance.
U0004	**Explanation** OPEN failed for the temporary control statement file (DOVAUT1). **Detecting CSECT** GTDDOVA **Problem Determination** The abend reason code is the value of the OPEN macro return code. Further information about the failure may be found in the job log. **System Programmer Response** Contact technical support for assistance.
U0005	**Detecting CSECT** GTDCDIO **System Programmer Response** Contact technical support for assistance.

Table 14. ABEND codes (continued)

Code	Description
U0005	**Explanation** Migration target volume has been varied online. **Detecting CSECT** GTDDOVA **Problem Determination** The abend reason code is the value of the target device number (unit address). **User Response** If the target volume has not been modified since it was synchronized in the previous TDMF session, it will be possible to vary the device offline and resubmit the Delayed OVA job. However, if there is any possibility that this volume is no longer an exact Point-In-Time copy of its source volume, it should not be used in a DOVA job. **System Programmer Response** Contact technical support for assistance.
U0006	**Detecting CSECT** GTDCDIO **System Programmer Response** Contact technical support for assistance.
U0007	**Detecting CSECT** GTDCDIO **System Programmer Response** Contact technical support for assistance.
U0007	**Explanation** RDJFCB failed for the temporary communications dataset (DOVACOM). **Detecting CSECT** GTDDOVA **Problem Determination** The abend reason code is the value of the RDJFCB macro return code. **System Programmer Response** Contact technical support for assistance.
U0008	**Detecting CSECT** GTDCDIO **System Programmer Response** Contact technical support for assistance.
U0008	**Explanation** An I/O error occurred which could not be attributed to a single track of the volume. **Detecting CSECT** GTDSCAN **Problem Determination** The abend reason code is the virtual address of the IOB which encountered the I/O error. **System Programmer Response** Contact technical support for assistance.

Table 14. ABEND codes (continued)

Code	Description
U0009	**Detecting CSECT** GTDCDIO **System Programmer Response** Contact technical support for assistance.
U0010	**Detecting CSECT** GTDCDIO **System Programmer Response** Contact technical support for assistance.
U0010	**Detecting CSECT** GTDBMON **Problem Determination** Reason Codes: 4 GQSCAN failed 5 No RIBs returned 6 TDMF not on page boundary 7 Eye catcher error 9 Number of volumes mismatch 10 MSE pointer bad 11 MSV eyecatcher error 56 MSE unfetchable 57 MSV unfetchable 58 TSOM unfetchable 59 Cannot match volser in TSOM **System Programmer Response** Contact technical support for assistance.
U0010	**Explanation** Unsuccessful I/O request to read the volume label from the offline target device. **Detecting CSECT** GTDDOVA **System Programmer Response** Contact technical support for assistance.
U0011	**Detecting CSECT** GTDCDIO **System Programmer Response** Contact technical support for assistance.
U0012	**Detecting CSECT** GTDCDIO **System Programmer Response** Contact technical support for assistance.

Table 14. ABEND codes (continued)

Code	Description
U0013	**Detecting CSECT** GTDCDIO **System Programmer Response** Contact technical support for assistance.
U0014	**Detecting CSECT** GTDCDIO **System Programmer Response** Contact technical support for assistance.
U0014	**Explanation** RDJFCB failed for the migration communications dataset (SYSCOM). **Detecting CSECT** GTDDOVA **Problem Determination** The abend reason code is the value of the RDJFCB macro return code. **User Response** Ensure the JCL contains a SYSCOM DD statement. **System Programmer Response** Contact technical support for assistance.
U0015	**Detecting CSECT** GTDCDIO **System Programmer Response** Contact technical support for assistance.
U0015	**Explanation** Migration communications dataset is in use. The GTDDOVA program is unable to gain exclusive control of the dataset referenced by the SYSCOM DD statement. The dataset is probably still in use with a migration session. **Detecting CSECT** GTDDOVA **Problem Determination** The abend reason code is the value of the return code from the ENQ macro (with RET=USE). **System Programmer Response** Contact technical support for assistance.

Table 14. ABEND codes (continued)

Code	Description
U0016	**Explanation** A target volume UCB is unusable. **Detecting CSECT** GTDDOVA **Problem Determination** The UCB flags that are checked to determine the usability of the device are as follows: UCBBOX Device forced offline UCBDEFER Device temporarily unusable UCBHILVL UCB level is not normal UCBNOCON No subchannel for device UCBNOPTH No operational paths to device UCBPERM Subchannel for device is unusable The abend reason code is the value of the target device number (unit address). **User Response** Correct the device error, vary it online and offline, then resubmit the Delayed OVA job. **System Programmer Response** Contact technical support for assistance.
U0029	
U0052	**Detecting CSECT** GTDBMON **System Programmer Response** Contact technical support for assistance.
U0053	**Explanation** Bad CIB. **Detecting CSECT** GTDBMON **System Programmer Response** Contact technical support for assistance.
U0101	**Detecting CSECT** GTDIP01 **System Programmer Response** Contact technical support for assistance.
U0101	**Explanation** Syntax error in the supplied execution parameter. **Detecting CSECT** GTDVTOC **System Programmer Response** Contact technical support for assistance.

Table 14. ABEND codes (continued)

Code	Description
U0101	**Explanation** Unsuccessful DEBCHK ADD macro. The DEBCHK return code is used as the Abend reason code. **Detecting CSECT** GTDCLUP **System Programmer Response** Contact technical support for assistance.
U0103	**Explanation** Open failure for the SYSPRINT output file. **Detecting CSECT** GTDVTOC **Problem Determination** The reason code is the return code from the OPEN SVC, SVC 19. **System Programmer Response** Contact technical support for assistance.
U0103	**Explanation** Open failure for the SYSIN or SYSPRINT file. **Detecting CSECT** GTDEXTV **Problem Determination** The reason code is the return code from the OPEN SVC, SVC 19. **User Response** Ensure that the SYSIN and SYSPRINT DD statements are provided. **System Programmer Response** Contact technical support for assistance.
U0104	**Explanation** Unexpected return code from the UCBSCAN service. **Detecting CSECT** GTDVTOC **Problem Determination** The reason code is comprised of the UCBSCAN reason code in bits 0-15 and the UCBSCAN return code in bits 16-31. **System Programmer Response** Contact technical support for assistance.

Table 14. ABEND codes (continued)

Code	Description
U0105	**Explanation** Dynamic allocation failed for a VTOC. **Detecting CSECT** GTDVTOC **Problem Determination** The parameters used were: `DSN=FORMAT4.DSCB,DISP=SHR,UNIT=SYSALLDA,VOL=SER=volser` The reason code is the return code from SVC 99; R14 contains the address of the dynamic allocation request block. **System Programmer Response** Contact technical support for assistance.
U0106	**Explanation** RDJFCB failed for the dynamically allocated FORMAT4.DSCB data set (VTOC). **Detecting CSECT** GTDVTOC **Problem Determination** The reason code is the return code from SVC 64 (RDJFCB). **System Programmer Response** Contact technical support for assistance.
U0107	**Explanation** Open failure for the Volume Table of Contents (VTOC) on the dynamically allocated volume. **Detecting CSECT** GTDVTOC **Problem Determination** The reason code is the return code from SVC 22. **System Programmer Response** The reason code is the return code from SVC 22.
U0108	**Explanation** Five second interrupt for VTOC OPEN processing. **Detecting CSECT** GTDVTOC **System Action** GTDVTOC normally recovers from this internally generated notification abend and will continue normal processing. If it does not, GTDVTOC will terminate the step. **Problem Determination** The reason code is the device number currently being processed. **System Programmer Response** Contact technical support for assistance.

Table 14. ABEND codes (continued)	
Code	**Description**
U0109	**Explanation** Error following SSID control blocks. **Detecting CSECT** GTDTERA **Problem Determination** Rerun the job with a SYSUDUMP DD statement to gather the dump. **System Programmer Response** Contact technical support for assistance.
U0110	**Explanation** GETMAIN error. **Detecting CSECT** GTDTERA **Problem Determination** Rerun the job with a SYSUDUMP DD statement to gather the dump. **System Programmer Response** Contact technical support for assistance.
U0135	**Explanation** EXCP failure. Message GTD9435S is issued prior to the abnormal termination request. **Detecting CSECT** GTDEXTV **Problem Determination** Use GPR2 (IOB pointer) and the SYSUDUMP output to determine the cause of the error. **System Programmer Response** Contact technical support for assistance.
U0136	**Explanation** EXCP failure. Message GTD9436S is issued prior to the abnormal termination request. **Detecting CSECT** GTDEXTV **Problem Determination** Use GPR2 (IOB pointer) and the SYSUDUMP output to determine the cause of the error. **System Programmer Response** Contact technical support for assistance.

Table 14. ABEND codes (continued)

Code	Description
U0137	**Explanation** EXCP failure. Message GTD9437S is issued prior to the abnormal termination request. **Detecting CSECT** GTDEXTV **Problem Determination** Use GPR2 (IOB pointer) and the SYSUDUMP output to determine the cause of the error. **System Programmer Response** Contact technical support for assistance.
U0138	**Explanation** EXCP failure. Message GTD9438S is issued prior to the abnormal termination request. **Detecting CSECT** GTDEXTV **Problem Determination** Use GPR2 (IOB pointer) and the SYSUDUMP output to determine the cause of the error. **System Programmer Response** Contact technical support for assistance.
U0145	**Explanation** EXCP failure. Message GTD9445S is issued prior to the abnormal termination request. **Detecting CSECT** GTDEXTV **Problem Determination** Use GPR2 (IOB pointer) and the SYSUDUMP output to determine the cause of the error. **System Programmer Response** Contact technical support for assistance.
U0147	**Explanation** EXCP failure. Message GTD9447S is issued prior to the abnormal termination request. **Detecting CSECT** GTDEXTV **Problem Determination** Use GPR2 (IOB pointer) and the SYSUDUMP output to determine the cause of the error. **System Programmer Response** Contact technical support for assistance.

Table 14. ABEND codes (continued)	
Code	**Description**
U2004	**Explanation** Open failure for the SYSPRINT dataset. **Detecting CSECT** GTDQDSK **System Programmer Response** Contact technical support for assistance.
U2006	**Explanation** RDJFCB failure. **Detecting CSECT** GTDQDSK **System Programmer Response** Contact technical support for assistance.
U2007	**Explanation** Open failure for the Volume Table of Contents. **Detecting CSECT** GTDQDSK **System Programmer Response** Contact technical support for assistance.
U2051	**Explanation** Validity check for the Data Facilities Area (DFA) control block failed. **Detecting CSECT** GTDQDSK **Problem Determination** General purpose register 3 at the time of the abend contains the address of the invalid block. **System Programmer Response** Contact technical support for assistance.
U2052	**Explanation** Validity check for the Data Facilities Vector Table (DFVT) control block failed. **Detecting CSECT** GTDQDSK **Problem Determination** General purpose register 3 at the time of the abend contains the address of the invalid block. **System Programmer Response** Contact technical support for assistance.

Table 14. ABEND codes (continued)

Code	Description
U2053	**Explanation** Validity check for the SSSVT control block failed. **Detecting CSECT** GTDQDSK **Problem Determination** General purpose register 3 at the time of the abend contains the address of the invalid block. **System Programmer Response** Contact technical support for assistance.
U2054	**Explanation** Either the pointer in the SSSVT to the SSSCT was zero, or the validity check of the SSSCT control block failed. **Detecting CSECT** GTDQDSK **Problem Determination** General purpose register 3 at the time of the abend contains the address of the invalid SSSCT control block. **System Programmer Response** Contact technical support for assistance.
U2055	**Explanation** The counter of SSSCBs in the SSSCT is zero. **Detecting CSECT** GTDQDSK **Problem Determination** General purpose register 3 at the time of the abend contains the address of the SSSCT control block. **System Programmer Response** Contact technical support for assistance.
U2056	**Explanation** Validity check for the SSSCB control block failed. **Detecting CSECT** GTDQDSK **System Programmer Response** Contact technical support for assistance.
U2057	**Explanation** Validity check for the SSSBDH control block failed. **Detecting CSECT** GTDQDSK **System Programmer Response** Contact technical support for assistance.

Table 14. ABEND codes (continued)

Code	Description
U2077	**Explanation** An I/O error occurred while attempting to read the device characteristics and configuration data. **Detecting CSECT** GTDQDSK **Problem Determination** General purpose register 3 at the time of the abend points to the IOB. **System Programmer Response** Contact technical support for assistance.
U3700	**Explanation** GTDIMON can not locate DDTE at DIE exit. **Detecting CSECT** GTDIMON **System Programmer Response** Contact technical support for assistance.
U3895	**Explanation** ICKDSF processing has been terminated because the program has been waiting for an ENQ resource for more than one minute. **Detecting CSECT** GTDCSEL **System Programmer Response** Contact technical support for assistance.
U3896	**Explanation** The TDMF session was terminated by the Hang Monitor with recovery routine percolation forced. The Hang Monitor determined that an earlier attempt to resolve a hang in the TDMF main task was not successful. **Detecting CSECT** GTDHMON **System Programmer Response** Contact technical support for assistance.
U3897	**Explanation** The Hang Monitor failed to terminate the TDMF session. This abend is accompanied by message SDR9468I. The return code from the CALLRTM macro is displayed in the message and is used as the reason code for this abend. **Detecting CSECT** GTDHMON **System Programmer Response** Contact technical support for assistance.

Table 14. ABEND codes (continued)	
Code	**Description**
U3898	**Explanation** The TDMF session was terminated by the Hang Monitor. **Detecting CSECT** GTDHMON **System Programmer Response** Contact technical support for assistance.
U3899	**Explanation** The OVA job was terminated by a TDMF session. The GTD session has determined that I/O redirection is no longer possible for one or more volumes to which the OVA job has registered. I/O redirection is no longer in effect for the volume. Thus, I/O requests made by this OVA job to the volume are prevented by TDMF. This will usually result in error messages from Data Management as attempts are made to access the volume's VTOC and VVDS during job termination. **Detecting CSECT** GTDKVOL, GTDRTNV **System Programmer Response** Contact technical support for assistance.
U4000	
U4001	**Detecting CSECT** GTDMAIN, GTDRTNMGTDMAIN, GTDRTNM **System Action** TDMF execution is terminated. **System Programmer Response** Contact technical support for assistance.
U4003	**Detecting CSECT** GTDMAIN, GTDRTNM **System Action** TDMF execution is terminated. **System Programmer Response** Contact technical support for assistance.
U4008	**Explanation** TRANSWAP error. **Detecting CSECT** GTDINIT **System Action** TDMF execution is terminated. **System Programmer Response** Contact technical support for assistance.

Table 14. ABEND codes (continued)

Code	Description
U4010	**Explanation** Unable to obtain storage. **Detecting CSECT** GTDMAIN **System Action** TDMF execution is terminated. **System Programmer Response** Contact technical support for assistance.
U4011	**Explanation** Unable to obtain storage for the main TDMF control block from the ECSA subpool. **Detecting CSECT** GTDMAIN **System Action** TDMF execution is terminated. **System Programmer Response** Contact technical support for assistance.
U4011	**Detecting CSECT** GTDRTNV **System Action** TDMF execution is terminated. **Problem Determination** **System Programmer Response** Contact technical support for assistance.
U4012	**Explanation** Unable to obtain storage. **Detecting CSECT** GTDMAIN **System Programmer Response** Contact technical support for assistance.
U4012	**Detecting CSECT** GTDRTNV **System Action** TDMF execution is terminated. **System Programmer Response** Contact technical support for assistance.
U4013	**Explanation** Unable to obtain storage. **Detecting CSECT** GTDMAIN **System Action** TDMF execution is terminated. **System Programmer Response** Contact technical support for assistance.

Table 14. ABEND codes (continued)

Code	Description
U4014	**Explanation** Unable to obtain storage. **Detecting CSECT** GTDMAIN **System Action** TDMF execution is terminated. **System Programmer Response** Contact technical support for assistance.
U4015	**Explanation** Unable to obtain storage. **Detecting CSECT** GTDMAIN **System Action** TDMF execution is terminated. **System Programmer Response** Contact technical support for assistance.
U4039	**Explanation** Out of save area stack entries. **Detecting CSECT** GTDADDT, GTDBDDT, GTDCMSG, GTDCOM1, GTDCOM2, GTDIBM, GTDINIT, GTDINSE, GTDMOPT, GTDMSTR, GTDRTNM, GTDRTNV, GTDSIO, GTDSLAV, GTDSTK, GTDVUCB **System Action** TDMF execution is terminated. **System Programmer Response** Contact technical support for assistance.
U4040	**Explanation** LOAD macro failed for a TDMF module. **Detecting CSECT** GTDMAIN **System Action** TDMF execution is terminated. **Problem Determination** The name of the module that could not be loaded into virtual storage is placed into general purpose registers 4 and 5. The ABEND reason code contains, in bits 0-15, the original hexadecimal abend code from the LOAD macro and, in bits 16-31, the corresponding reason code. For example, if the module name in GPR 4 and 5 could not be found in the STEPLIB library, the reason code will be "08060004". **System Programmer Response** Contact technical support for assistance.

Table 14. ABEND codes (continued)

Code	Description
U4095	**Explanation** Save area stack indicator corrupted. **Detecting CSECT** GTDADDT, GTDBDDT, GTDCMSG, GTDCOM1, GTDCOM2, GTDIBM, GTDINIT, GTDINSE, GTDMOPT, GTDMSTR, GTDRTNM, GTDRTNV, GTDSIO, GTDSLAV, GTDSTK, GTDVUCB **System Action** TDMF execution is terminated. **Problem Determination** The TDMF save area stack entry word 0 indicates that the entry is neither free or in use. **System Programmer Response** Contact technical support for assistance.

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