

SeeBeyond™ eBusiness Integration Suite

SWIFT ETD Library User's Guide

Release 4.5.3

Monk Version



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Preface

This User's Guide describes the SWIFT ETD Library, including procedures for installing the Library on your Windows NT/2000 or UNIX-based system.

P.1 Intended Reader

The reader of this guide is presumed to be a developer or system administrator with responsibility for maintaining the SeeBeyond™ e*Gate™ Integrator system, and have a working knowledge of:

- Operation and administration of the appropriate operating systems (see [Availability](#) on page 12)
- Windows-style GUI operations
- Either the e*Way Intelligent Adapter for SWIFT ADK or the SWIFT 2000 Gold Certified e*Way (whichever is applicable)

P.2 Online Viewing

This User's Guide is provided in Adobe Acrobat's Portable Document Format (PDF). As such, it can be printed out on any printer or viewed online. When viewing online, you can take advantage of the extensive hyperlinking imbedded in the document to navigate quickly throughout the Guide.

Hyperlinking is available in:

- The Table of Contents
- The Index
- Within the chapter text, indicated by **blue print**

Existence of a hyperlink *hotspot* is indicated when the hand cursor points to the text. Note that the hotspots in the Index are the *page numbers*, not the topics themselves. Returning to the spot you hyperlinked from is accomplished by right-clicking the mouse and selecting **Go Back** on the resulting menu.

Introduction

1.1 Overview

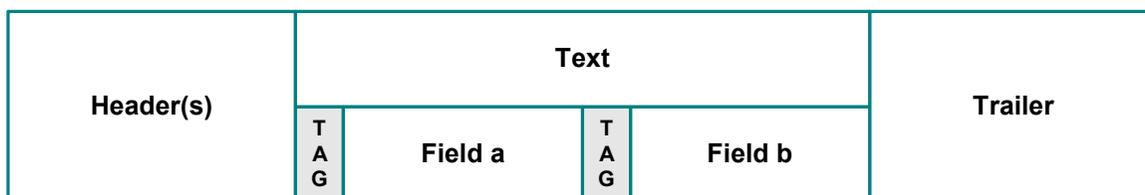
The SWIFT ETD Library contains pre-defined template Event Type Definitions (ETDs) for use with an e*Way Intelligent Adapter for SWIFT. These ETDs correspond to the SWIFT user-to-user message types used for the SWIFT network, as defined in the SWIFT Standards documentation.

1.2 SWIFT Message Structure

A message used by the SWIFT network has a maximum of five components:

- Basic header block
- Application header block
- User header block (optional)
- Text block
- Trailer block

Figure 1 SWIFT Message Structure



Each field component in the text block is preceded by a field tag; there are no field tags in the header and trailer blocks. The one exception to this format is MT 121, EDIFACT FINPAY, which has a single text field with no field tag identifier.

Information about a field that is common to all message types in which that field is used is found in the *Standards - General Field Definitions* volume of the *SWIFT User Handbook*. Information about a field that is specific to its use with a particular message

type is found in the field specifications section of the *Standards* volume of the *SWIFT User Handbook* for that message type.

1.3 Library Versions

SWIFT periodically revises their Message Types, adding to or subtracting from the total set of Message Types, and modifying the definitions of individual Message Types. New sets are identified with the year they are issued, such as 2000, 2001, and 2002.

SeeBeyond releases new ETD libraries corresponding to these revised sets of SWIFT Message Types. The current release includes Monk templates supporting the 2000 and 2001 Message Type sets. The libraries for the years 2000, 2001, and 2002 are named `swift00`, `swift01`, and `swift02`, respectively.

1.4 Template Versions

1.4.1 Monk and Java

Beginning with e*Gate 4.5, Collaborations can be created in either Monk or Java. On Windows platforms, installing the SWIFT ETD Library for 2001 or 2002 installs both Monk and Java versions of the Library. The two versions are installed into different directory paths, and are accessed by the Monk or Java ETD Editors, respectively. Installing the SWIFT ETD Library for 2000 installs only the Monk version.

1.4.2 Full and Slim

Two versions of the templates are available for each library representation (Monk or Java): **full** and **slim**. The functional difference between the two is that the syntax checking performed by the **slim** versions is limited to field level, whereas the **full** versions check to the sub-field level. Using the **slim** versions assumes that the messages have been validated previously. If this is not the case, you should use the **full** versions to fully validate the messages.

Monk Representation

Figure 2 and Figure 3 illustrate the structural difference between slim and full templates for SWIFT Message Type MT 111, as they respectively appear in the Monk ETD Editor. Note that the branches in the **slim** versions typically end with Tag/Data node pairs, whereas the **full** versions have branches ending in nodes representing the actual data fields. Although the files in this example are similar in size, the **full** version of a template *can* be several times the size of the **slim** version.

Figure 2 SLIM Example - Monk

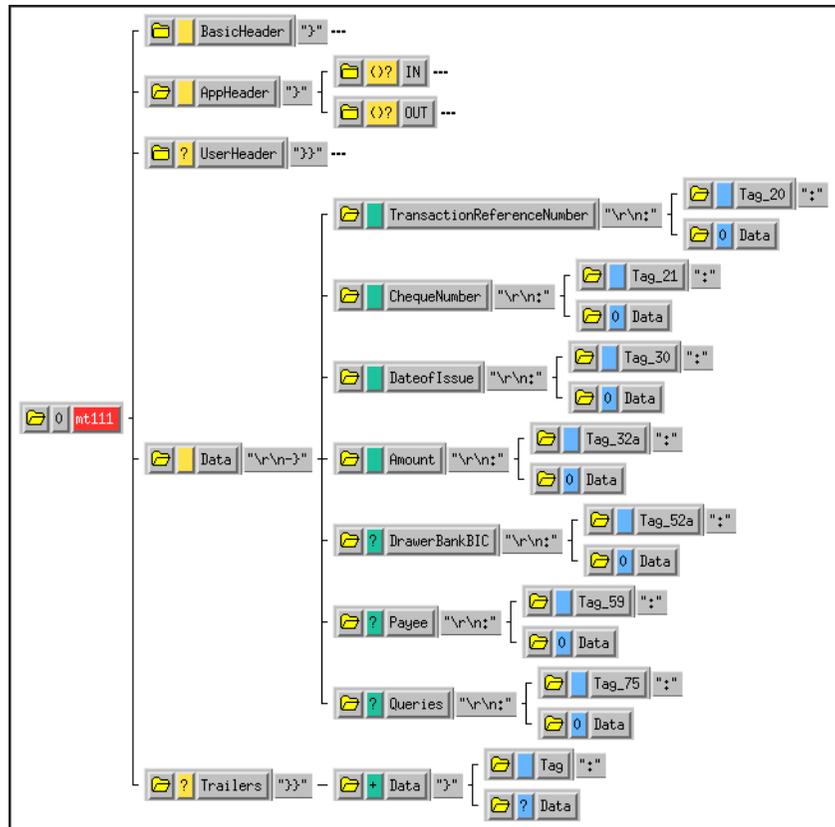
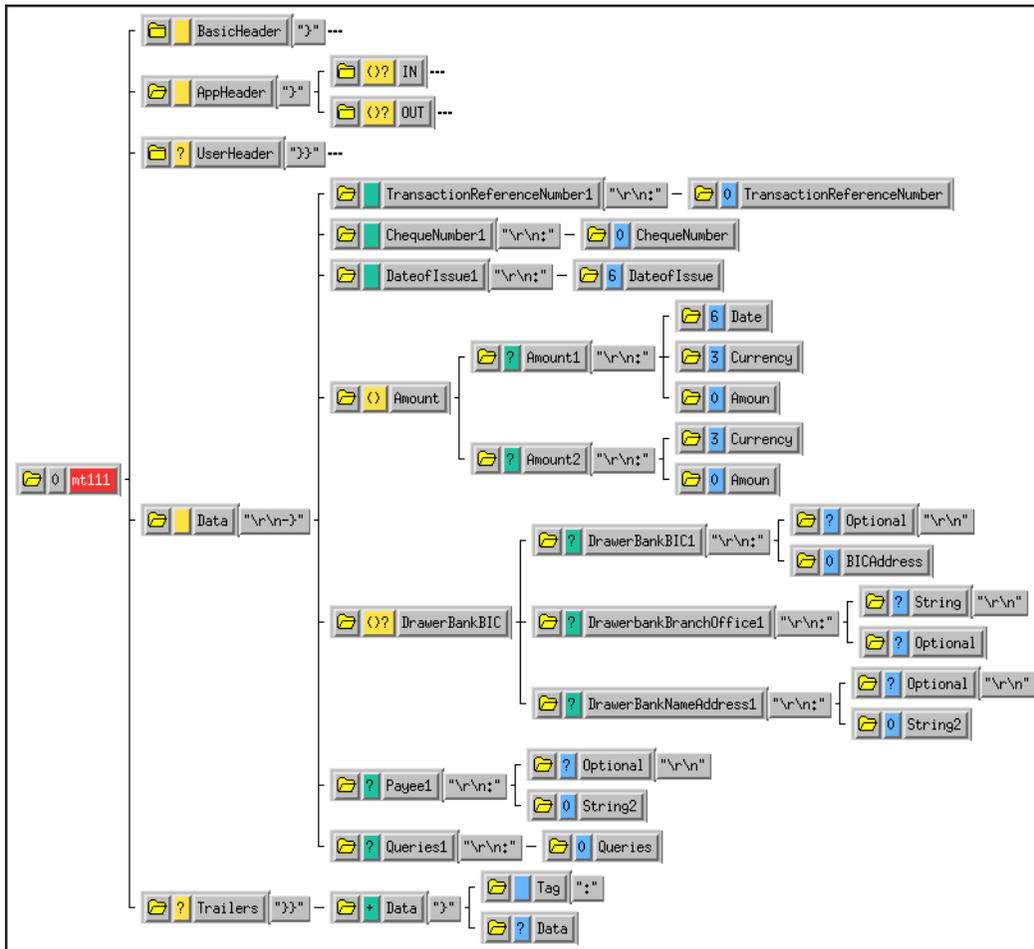


Figure 3 FULL Example - Monk



1.5 Logical Replies

Note: *This section applies only to systems using the SWIFT Gold 2000 Certified e*Way.*

Every Event sent between SWIFTAlliance via CAS and the SWIFT Gold 2000 Certified e*Way is acknowledged by a logical reply. This confirms that the Event has been accepted. In addition, the SWIFT Transport Network sends a Delivery Report when the Event is delivered to the remote financial system. Other reports also can be produced.

The template files provided in the SWIFT ETD Library are the logical reply (SWIFT_LRP.*) and network acknowledgement (fin_ack.*) from the SWIFT network. These are returned by the SWIFT Gold 2000 Certified e*Way.

1.5.1 e*Gate Acknowledgment to SWIFT

If, and only if, e*Gate sends an acknowledgment to the e*Way (meaning it has stored the message successfully to some persistent store), the e*Way sends a logical reply to CAS, signalling a successful transmission. At this stage, the Event is deleted from the IQ.

If e*Gate cannot identify, translate or route an Event, it sends a negative acknowledgment to the e*Way, which stores the Event to a unique file in a configurable directory. The e*Way then sends a logical reply to CAS signifying that e*Gate has received the Event and has moved onto the next. This Event is then logged.

Application-level acknowledgments from the systems receiving SWIFT messages (or translated SWIFT messages) is returned via the outbound Event flow.

1.5.2 SWIFT Acknowledgment to e*Gate

After e*Gate has translated the Event into CAS message format it sends it to the outbound queue for the e*Way.

Note: *Only successfully translated Events are sent to the outbound e*Way.*

Successful messages

After the e*Way receives the Event, it stores it in an IQ. The Event is sent to CAS, which in turn, delivers it to the SWIFTAlliance.

SWIFTAlliance writes the Event to its outbound queue to the SWIFT Transport Network. It then sends the e*Way a logical reply signifying that the Event is stored in permanent memory. Only when the e*Way receives this successful logical reply does it signal the e*Gate system of a successful transmission by sending a *logical reply message*. In the server, this *logical reply message* can be either:

- Passed back to the originating system either in its default format or in a user-defined format
- Sent to a file or database

- Sent to the Alert Notifier

Note: *The acknowledgment from the SWIFT Transport Network (that the message has been delivered to the recipient) is not returned from this flow. It is delivered as an inbound report to the e*Gate system from the SWIFT Transport Network. This message is routed back to the originating system.*

Unsuccessful messages

If CAS or SWIFTAlliance is down, the message remains in the e*Gate system until both are operational again.

If SWIFTAlliance finds any semantic or syntactical errors (block 4 errors) in an Event, the Event is placed in the Correction queue for manual intervention. Once the Event has been corrected, it is sent in the normal way. A successful logical reply (LRP_SUCCESS) is sent to CAS (and hence to the e*Way) when the Event is placed in the Correction queue, even though the Event is not transmitted straight away. When the Event is sent to the SWIFT network, a report is sent to CAS and the e*Way.

Events with errors in blocks 1 or 2 cannot be handled by SWIFTAlliance and a negative logical reply (LRP_FAILURE) is sent back to CAS and the e*Way. The e*Way sends an error message and the original Event back to the e*Gate system. The e*Gate Monitor also registers and records this error and the e*Way also archives the Event to a unique file in a user-configurable directory.

Any errors in transmission are handled automatically and the Event re-sent until all Events are successfully delivered or result in an error condition.

The Event can be either:

- Passed back to the originating system, either in its default format or in a user-defined format
- Sent to a file or database
- Sent to the Alert Notifier—if desired, a user can be notified in real-time via e-mail or Web page of this event

1.6 Availability

The SWIFT ETD Library is available on the following operating systems:

- Windows 2000 SP 1 and Windows 2000 SP 2
- Windows NT 4.0 SP 6a
- Solaris 2.6, Solaris 7, and Solaris 8
- HP-UX 11.0 and HP-UX 11i
- AIX 4.3.3 and AIX 5.1
- Red Hat Linux 6.2
- Tru64 UNIX V4.0F, Tru64 UNIX V5.0A and Tru64 UNIX V5.1A
- OS/390 V2, R10

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- Windows 2000 SP 1 and Windows 2000 SP 2
- Windows NT 4.0 SP 6a
- Solaris 2.6, Solaris 7, and Solaris 8
- HP-UX 11.0

Installation

This chapter covers requirements and procedures for installing the SWIFT ETD Library on Windows NT/2000 and UNIX systems.

2.1 System Requirements

To use the SWIFT ETD Library, you must have the following:

- 1 A SeeBeyond e*Way Intelligent Adapter capable of connecting to SWIFTAlliance, such as:
 - ♦ e*Way Intelligent Adapter for SWIFT ADK
 - ♦ Batch e*Way Intelligent Adapter
 - ♦ SWIFT Gold 2000 Certified e*Way Intelligent Adapter
- 2 Sufficient free disk space to support library files:
 - ♦ Approximately 4 MB for **swift00** files
 - ♦ Approximately 120 MB for **swift01** files
 - ♦ Approximately 110 MB for **swift02** files

Note: *Installing the SWIFT 2001 or 2002 library installs both the Monk and Java versions. The Java version is substantially larger than the Monk version.*

2.2 Procedure

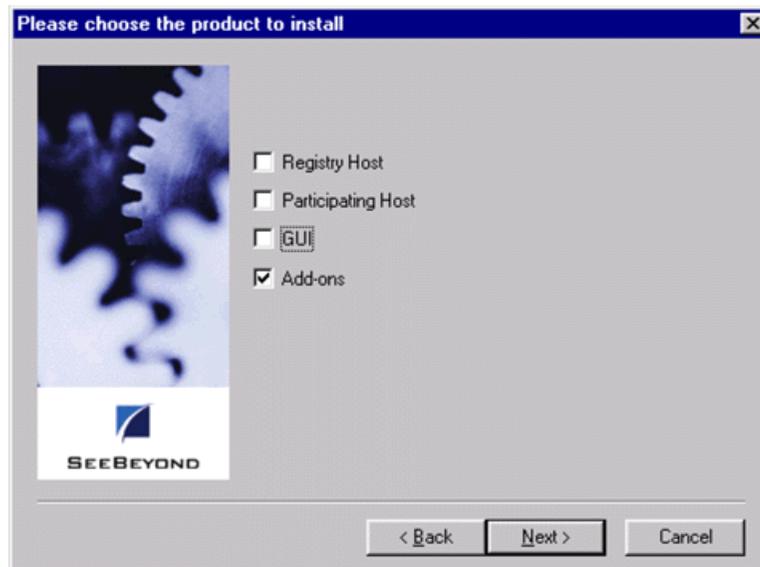
2.2.1 Windows Systems

Note: Be sure to install all of the template files in the directories suggested by the installation utility.

To Install the SWIFT ETD Library on Windows

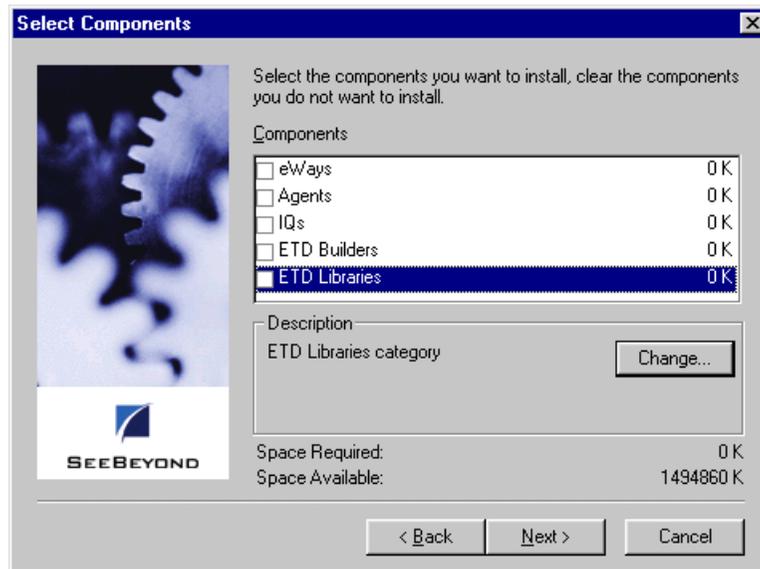
- 1 Log onto the workstation on which the SWIFT e*Way resides.
 - 2 Exit all Windows programs and disable any anti-virus applications before running the setup program.
 - 3 Insert the installation CD-ROM into the CD-ROM drive.
 - 4 Launch the setup program.
- A If the CD-ROM drive's Autorun feature is enabled, the setup program should launch automatically. Follow the on-screen instructions until the **Choose Product** dialog box appears (see Figure 4). Check **Add-ons**, then click **Next**.

Figure 4 Choose Product Dialog Box



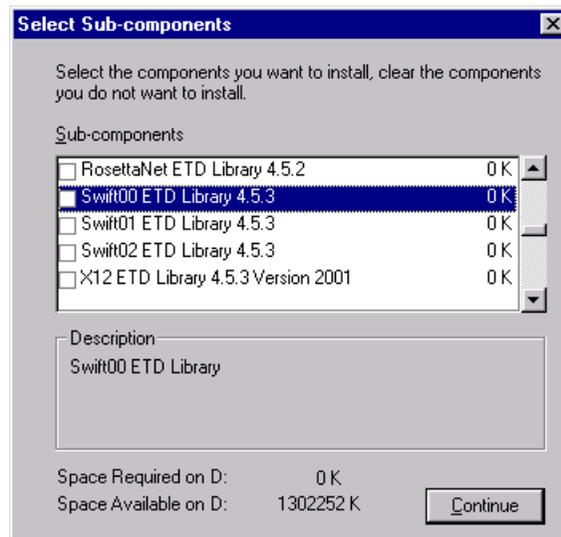
- B If the setup program does not launch automatically, use the Windows Explorer or the Control Panel's **Add/Remove Applications** feature to launch the following file on the CD-ROM drive (this bypasses the **Choose Product** dialog):
- ```
setup\addons\setup.exe
```
- 5 Follow the on-screen instructions until the **Select Components** dialog box appears (see Figure 5). Highlight—but do not check—**ETD Libraries** and then click **Change**.

Figure 5 Select Components Dialog Box



- 6 When the **Select Sub-components** dialog box appears, check the desired library.

Figure 6 Select Sub-components Dialog Box



**Note:** Installing the SWIFT 2001 or 2002 library installs both the Monk and Java versions. The combined size will be shown in the **Space Required** field.

- 7 Click **Continue**, and the **Select Components** dialog box reappears, showing your selection.
- 8 Click **Next** and continue with the installation.

## 2.2.2 UNIX Systems

*Note:* Be sure to install all of the template files in the directories suggested by the installation utility.

### To Install the SWIFT ETD Library on UNIX

- 1 Log in as **user** on the workstation containing the CD-ROM drive and, if necessary, mount the CD-ROM drive.
- 2 Insert the CD-ROM into the drive.
- 3 At the shell prompt, type:  
**cd /cdrom**
- 4 Start the installation script by typing:  
**setup.sh**  
A menu of options appears.
- 5 Select the **e\*Gate Addon Applications** option.
- 6 Follow the rest of the on-screen instructions to install the SWIFT template files.

## 2.3 Files and Directories

Installing the SWIFT ETD templates places files within the e\*Gate directory tree, and commits them to the default schema on the Registry Host. The Monk library files are placed in the following path:

```
eGate\Server\registry\repository\default\monk_scripts\templates
 \swift<yy>\<type>\
```

where *yy* is **00**, **01**, or **02**, and *type* is either **full** or **slim**. Both **full** and **slim** versions are installed automatically for the selected library year. The file names are identical for the **full** and **slim** versions, so they must be located in separate directories.

The Message Type template files comprise a set of three files for each SWIFT Message Type. Each set has the form:

```
mt<nnn>.ssc
```

where *nnn* represents the three-digit SWIFT Message Type number. The full set of SWIFT Message Types for which ETDs are installed is listed in [Chapter 3](#).

In addition, sets of **fin\_ack** and **SWIFT\_LRP** files also are installed in these same directories for use as Logical Reply templates (see [Logical Replies](#) on page 10):

**Table 1** Installed Files

| Monk Library Files |                                             |
|--------------------|---------------------------------------------|
| \Swift<yy>\full\   | fin_ack.ssc<br>mt<nnn>.ssc<br>SWIFT_LRP.ssc |
| \Swift<yy>\slim\   | fin_ack.ssc<br>mt<nnn>.ssc<br>SWIFT_LRP.ssc |

where *yy* = library year (**00**, **01**, or **02**)  
and *nnn* = SWIFT Message Type number.

# The SWIFT ETD Library

This chapter describes, and provides a cross-reference for, the SWIFT ETD Library.

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## 3.1 SWIFT Message Types

SWIFT groups message types into ten categories, as shown below. The tenth category comprises a group of messages that is common to the other nine categories.

### Category 1: Customer Payments and Cheques

- see [MT 1xx Messages](#) on page 19

### Category 2: Financial Institution Transfers

- see [MT 2xx Messages](#) on page 20

### Category 3: Treasury Markets - Foreign Exchange & Derivatives

- see [MT 3xx Messages](#) on page 21

### Category 4: Collections and Cash Letters

- see [MT 4xx Messages](#) on page 22

### Category 5: Securities Markets

- see [MT 5xx Messages](#) on page 23

### Category 6: Treasury Markets - Precious Metals & Syndications

- see [MT 6xx Messages](#) on page 26

### Category 7: Documentary Credits & Guarantees

- see [MT 7xx Messages](#) on page 27

### Category 8: Travellers Cheques

- see [MT 8xx Messages](#) on page 28

### Category 9: Cash Management & Customer Status

- see [MT 9xx Messages](#) on page 29

### Category n: Common Group Messages

- see [MT n9x Messages](#) on page 30

### 3.1.1 MT 1xx Messages

#### Customer Payments & Cheques

| SWIFT Message Type | Description                                                 |
|--------------------|-------------------------------------------------------------|
| MT 100             | Customer Transfer                                           |
| MT 101             | Request for Transfer                                        |
| MT 102             | Multiple Customer Credit Transfer                           |
| MT 103             | Single Customer Credit Transfer                             |
| MT 104             | Customer Direct Debit                                       |
| MT 105             | EDIFACT Envelope                                            |
| MT 106             | EDIFACT Envelope                                            |
| MT 107             | General Direct Debit Message                                |
| MT 110             | Advice of Cheque(s)                                         |
| MT 111             | Request for Stop Payment of a Cheque                        |
| MT 112             | Status of a Request for Stop Payment of a Cheque            |
| MT 121             | EDIFACT FINPAY (2000/2001 Only)                             |
| MT 190             | Advice of Charges, Interest and Other Adjustments           |
| MT 191             | Request for Payment of Charges, Interest and Other Expenses |
| MT 192             | Request for Cancellation                                    |
| MT 195             | Queries                                                     |
| MT 196             | Answers                                                     |
| MT 198             | Proprietary Message                                         |
| MT 199             | Free Format Message                                         |

## 3.1.2 MT 2xx Messages

### Financial Institution Transfers

| SWIFT Message Type | Description                                                 |
|--------------------|-------------------------------------------------------------|
| MT 200             | Financial Institution Transfer for its Own Account          |
| MT 201             | Multiple Financial Institution Transfer for its Own Account |
| MT 202             | General Financial Institution Transfer                      |
| MT 203             | Multiple General Financial Institution Transfer             |
| MT 204             | Financial Markets Direct Debit Message                      |
| MT 205             | Financial Institution Transfer Execution                    |
| MT 206             | Cheque Truncation Message (2000/2001 Only)                  |
| MT 207             | Request for Financial Institution Transfer                  |
| MT 210             | Notice to Receive                                           |
| MT 256             | Advice of Non-Payment of Cheques                            |
| MT 290             | Advice of Charges, Interest and Other Adjustments           |
| MT 291             | Request for Payment of Charges, Interest and Other Expenses |
| MT 292             | Request for Cancellation                                    |
| MT 293             | Information Service Message                                 |
| MT 295             | Queries                                                     |
| MT 296             | Answers                                                     |
| MT 298             | Proprietary Message                                         |
| MT 299             | Free Format Message                                         |

### 3.1.3 MT 3xx Messages

Treasury Markets, Foreign Exchange, Money Markets & Derivatives

| SWIFT Message Type | Description                                                                 |
|--------------------|-----------------------------------------------------------------------------|
| MT 300             | Foreign Exchange Confirmation                                               |
| MT 303             | Forex/Currency Option Allocation Instruction                                |
| MT 304             | Advice/Instruction of a Third Party Deal                                    |
| MT 305             | Foreign Currency Option Confirmation                                        |
| MT 306             | Foreign Currency Option                                                     |
| MT 307             | Advice/Instruction of a Third Party FX Deal (2002 Only)                     |
| MT 308             | Instruction for Gross/Net Settlement of Third Party FX Deals (2002 Only)    |
| MT 320             | Fixed Loan/Deposit Confirmation                                             |
| MT 321             | Instruction to Settle a Third Party Loan/Deposit (2002 Only)                |
| MT 330             | Call/Notice Loan/Deposit Confirmation                                       |
| MT 340             | Forward Rate Agreement Confirmation                                         |
| MT 341             | Forward Rate Agreement Settlement Confirmation                              |
| MT 350             | Advice of Loan/Deposit Interest Payment                                     |
| MT 360             | Single Currency Interest Rate Derivative Confirmation                       |
| MT 361             | Cross Currency Interest Rate Swap Confirmation                              |
| MT 362             | Interest Rate Reset/Advice of Payment                                       |
| MT 364             | Single Currency Interest Rate Derivative Termination/Recouping Confirmation |
| MT 365             | Single Currency Interest Rate Swap Termination/Recouping Confirmation       |
| MT 380             | Foreign Exchange Order (2002 Only)                                          |
| MT 381             | Foreign Exchange Order Confirmation (2002 Only)                             |
| MT 390             | Advice of Charges, Interest and Other Adjustments                           |
| MT 391             | Request for Payment of Charges, Interest and Other Expenses                 |
| MT 392             | Request for Cancellation                                                    |
| MT 395             | Queries                                                                     |
| MT 396             | Answers                                                                     |
| MT 398             | Proprietary Message                                                         |
| MT 399             | Free Format Message                                                         |

### 3.1.4 MT 4xx Messages

#### Collections & Cash Letters

| <b>SWIFT Message Type</b> | <b>Description</b>                                          |
|---------------------------|-------------------------------------------------------------|
| MT 400                    | Collections: Advice of Payment                              |
| MT 405                    | Collections: Clean Collection                               |
| MT 410                    | Collections: Acknowledgment                                 |
| MT 412                    | Collections: Advice of Acceptance                           |
| MT 416                    | Collections: Advice of Non-Payment/Non-Acceptance           |
| MT 420                    | Collections: Tracer                                         |
| MT 422                    | Collections: Advice of Fate and Request for Instructions    |
| MT 430                    | Collections: Amendment of Instructions                      |
| MT 450                    | Cash Letters: Cash Letter Credit Advice                     |
| MT 455                    | Cash Letters: Cash Letter Credit Adjustment Advice          |
| MT 456                    | Cash Letters: Advice of Dishonor                            |
| MT 490                    | Advice of Charges, Interest and Other Adjustments           |
| MT 491                    | Request for Payment of Charges, Interest and Other Expenses |
| MT 492                    | Request for Cancellation                                    |
| MT 495                    | Queries                                                     |
| MT 496                    | Answers                                                     |
| MT 498                    | Proprietary Message                                         |
| MT 499                    | Free Format Message                                         |

### 3.1.5 MT 5xx Messages

#### Securities Markets

| SWIFT Message Type | Description                                               |
|--------------------|-----------------------------------------------------------|
| MT 500             | Instruction to Register (2002 Only)                       |
| MT 501             | Confirmation of Registration or Modification (2002 Only)  |
| MT 502             | Order to Buy or Sell                                      |
| MT 503             | Collateral Claim                                          |
| MT 504             | Collateral Proposal                                       |
| MT 505             | Collateral Substitution                                   |
| MT 506             | Collateral and Exposure Statement                         |
| MT 507             | Collateral Status and Processing Advice                   |
| MT 508             | Intra-Position Advice                                     |
| MT 509             | Trade Status Message                                      |
| MT 510             | Registration Status and Processing Advice (2002 Only)     |
| MT 512             | Securities Trade Confirmation (2000/2001 Only)            |
| MT 513             | Client Advice of Execution                                |
| MT 514             | Trade Allocation Instruction                              |
| MT 515             | Client Confirmation of Purchase or Sale                   |
| MT 516             | Securities Loan Confirmation                              |
| MT 517             | Trade Confirmation Affirmation                            |
| MT 518             | Market-Side Securities Trade Confirmation                 |
| MT 519             | Modification of Client Details (2002 Only)                |
| MT 520             | Receive Free (2000/2001 Only)                             |
| MT 521             | Receive Against Payment (2000/2001 Only)                  |
| MT 522             | Deliver Free (2000/2001 Only)                             |
| MT 523             | Deliver Against Payment (2000/2001 Only)                  |
| MT 524             | Intra-Position Instruction                                |
| MT 526             | General Securities Lending/Borrowing Message              |
| MT 527             | Triparty Collateral Instruction                           |
| MT 528             | ETC Client-Side Settlement Instruction                    |
| MT 529             | ETC Market-Side Settlement Instruction                    |
| MT 530             | Confirmation of Receipt Free (2000/2001 Only)             |
| MT 531             | Confirmation of Receipt Against Payment (2000/2001 Only)  |
| MT 532             | Confirmation of Delivery Free (2000/2001 Only)            |
| MT 533             | Confirmation of Delivery Against Payment (2000/2001 Only) |
| MT 534             | Notice of Settlement Problem (2000/2001 Only)             |

| SWIFT Message Type | Description                                                      |
|--------------------|------------------------------------------------------------------|
| MT 535             | Statement of Holdings                                            |
| MT 536             | Statement of Transactions                                        |
| MT 537             | Statement of Pending Transactions                                |
| MT 538             | Statement of Intra-Position Advice                               |
| MT 539             | Advice of Receipt/Delivery of Securities (2000/2001 Only)        |
| MT 540             | Receive Free                                                     |
| MT 541             | Receive Against Payment Instruction                              |
| MT 542             | Deliver Free                                                     |
| MT 543             | Deliver Against Payment Instruction                              |
| MT 544             | Receive Free Confirmation                                        |
| MT 545             | Receive Against Payment Confirmation                             |
| MT 546             | Deliver Free Confirmation                                        |
| MT 547             | Deliver Against Payment Confirmation                             |
| MT 548             | Settlement Status and Processing Advice                          |
| MT 549             | Request for Statement/Status Advice                              |
| MT 550             | Notice of Rights (2000/2001 Only)                                |
| MT 551             | Notice of Event (2000/2001 Only)                                 |
| MT 552             | Notice of Offer or Privilege (2000/2001 Only)                    |
| MT 553             | Instruction to a Custodian (2000/2001 Only)                      |
| MT 554             | Advice of Money Income (2000/2001 Only)                          |
| MT 555             | Advice of Income in the Form of Securities (2000/2001 Only)      |
| MT 556             | Advice of Redemption (2000/2001 Only)                            |
| MT 557             | Advice of Securities Proceeds (2000/2001 Only)                   |
| MT 558             | Triparty Collateral Status and Processing Advice                 |
| MT 559             | Paying Agent's Claim                                             |
| MT 560             | Notice of Bond or Shareholders' Meeting                          |
| MT 561             | Proxy or Authorization and Instructions to Vote (2000/2001 Only) |
| MT 562             | Corporate Action Status Report (2000/2001 Only)                  |
| MT 563             | Corporate Action Confirmation (2000/2001 Only)                   |
| MT 564             | Corporate Action Notification                                    |
| MT 565             | Corporate Action Instruction                                     |
| MT 566             | Corporate Action Confirmation                                    |
| MT 567             | Corporate Action Status and Processing Advice                    |
| MT 568             | Corporate Action Narrative (2000/2001 Only)                      |
| MT 569             | Triparty Collateral and Exposure Statement                       |
| MT 570             | Request for Statement (2000/2001 Only)                           |

| SWIFT Message Type | Description                                                      |
|--------------------|------------------------------------------------------------------|
| MT 571             | Statement of Holdings (2000/2001 Only)                           |
| MT 572             | Statement of Transactions (2000/2001 Only)                       |
| MT 573             | Statement of Pending Transactions (2000/2001 Only)               |
| MT 574_IRSLST      | IRS 1441 NRA (IRSLST) (2002 Only)                                |
| MT 574_W8BENO      | IRS 1441 NRA (W8BENO) (2002 Only)                                |
| MT 575             | Statement of Combined Activity                                   |
| MT 576             | Statement of Open Orders                                         |
| MT 577             | Statement of Numbers                                             |
| MT 578             | Statement of Allegement                                          |
| MT 579             | Certificate Numbers                                              |
| MT 580             | Instruction to an International Clearing System (2000/2001 Only) |
| MT 581             | Collateral Adjustment Message                                    |
| MT 582             | Reimbursement Claim or Advice                                    |
| MT 583             | Depot Management Advice (2000/2001 Only)                         |
| MT 584             | Statement of ETC Pending Trades                                  |
| MT 586             | Statement of Settlement Allegements                              |
| MT 587             | Depositary Receipt Instruction                                   |
| MT 588             | Depositary Receipt Confirmation                                  |
| MT 589             | Depositary Receipt Status and Processing Advice                  |
| MT 590             | Advice of Charges, Interest and Other Adjustments                |
| MT 591             | Request for Payment of Charges, Interest and Other Expenses      |
| MT 592             | Request for Cancellation                                         |
| MT 595             | Queries                                                          |
| MT 596             | Answers                                                          |
| MT 598             | Proprietary Message                                              |
| MT 599             | Free Format Message                                              |

### 3.1.6 MT 6xx Messages

#### Treasury Markets, Precious Metals

| <b>SWIFT Message Type</b> | <b>Description</b>                                          |
|---------------------------|-------------------------------------------------------------|
| MT 600                    | Precious Metal Trade Confirmation                           |
| MT 601                    | Precious Metal Option Confirmation                          |
| MT 604                    | Precious Metal Transfer/Delivery Order                      |
| MT 605                    | Precious Metal Notice to Receive                            |
| MT 606                    | Precious Metal Debit Advice                                 |
| MT 607                    | Precious Metal Credit Advice                                |
| MT 608                    | Statement of a Metal Account                                |
| MT 609                    | Statement of Metal Contracts                                |
| MT 643                    | Notice of Drawdown/Renewal                                  |
| MT 644                    | Advice of Rate and Amount Fixing                            |
| MT 645                    | Notice of Fee Due                                           |
| MT 646                    | Payment of Principal and/or Interest                        |
| MT 649                    | General Syndicated Facility Message                         |
| MT 690                    | Advice of Charges, Interest and Other Adjustments           |
| MT 691                    | Request for Payment of Charges, Interest and Other Expenses |
| MT 692                    | Request for Cancellation                                    |
| MT 695                    | Queries                                                     |
| MT 696                    | Answers                                                     |
| MT 698                    | Proprietary Message                                         |
| MT 699                    | Free Format Message                                         |

### 3.1.7 MT 7xx Messages

#### Treasury Markets, Syndication

| SWIFT Message Type | Description                                                 |
|--------------------|-------------------------------------------------------------|
| MT 700             | Issue of a Documentary Credit                               |
| MT 701             | Issue of a Documentary Credit                               |
| MT 705             | Pre-Advice of a Documentary Credit                          |
| MT 707             | Amendment to a Documentary Credit                           |
| MT 710             | Advice of a Third Bank's Documentary Credit                 |
| MT 711             | Advice of a Third Bank's Documentary Credit                 |
| MT 720             | Transfer of a Documentary Credit                            |
| MT 721             | Transfer of a Documentary Credit                            |
| MT 730             | Acknowledgment                                              |
| MT 732             | Advice of Discharge                                         |
| MT 734             | Advice of Refusal                                           |
| MT 740             | Authorization to Reimburse                                  |
| MT 742             | Reimbursement Claim                                         |
| MT 747             | Amendment to an Authorization to Reimburse                  |
| MT 750             | Advice of Discrepancy                                       |
| MT 752             | Authorization to Pay, Accept or Negotiate                   |
| MT 754             | Advice of Payment/Acceptance/Negotiation                    |
| MT 756             | Advice of Reimbursement or Payment                          |
| MT 760             | Guarantee                                                   |
| MT 767             | Guarantee Amendment                                         |
| MT 768             | Acknowledgment of a Guarantee Message                       |
| MT 769             | Advice of Reduction or Release                              |
| MT 790             | Advice of Charges, Interest and Other Adjustments           |
| MT 791             | Request for Payment of Charges, Interest and Other Expenses |
| MT 792             | Request for Cancellation                                    |
| MT 795             | Queries                                                     |
| MT 796             | Answers                                                     |
| MT 798             | Proprietary Message                                         |
| MT 799             | Free Format Message                                         |

### 3.1.8 MT 8xx Messages

#### Travellers Cheques

| <b>SWIFT Message Type</b> | <b>Description</b>                                          |
|---------------------------|-------------------------------------------------------------|
| MT 800                    | T/C Sales and Settlement Advice [Single]                    |
| MT 801                    | T/C Multiple Sales Advice                                   |
| MT 802                    | T/C Settlement Advice                                       |
| MT 810                    | T/C Refund Request                                          |
| MT 812                    | T/C Refund Authorization                                    |
| MT 813                    | T/C Refund Confirmation                                     |
| MT 820                    | Request for T/C Stock                                       |
| MT 821                    | T/C Inventory Addition                                      |
| MT 822                    | Trust Receipt Acknowledgment                                |
| MT 823                    | T/C Inventory Transfer                                      |
| MT 824                    | T/C Inventory Destruction/Cancellation Notice               |
| MT 890                    | Advice of Charges, Interest and Other Adjustments           |
| MT 891                    | Request for Payment of Charges, Interest and Other Expenses |
| MT 892                    | Request for Cancellation                                    |
| MT 895                    | Queries                                                     |
| MT 896                    | Answers                                                     |
| MT 898                    | Proprietary Message                                         |
| MT 899                    | Free Format Message                                         |

### 3.1.9 MT 9xx Messages

#### Cash Management & Customer Status

| <b>SWIFT Message Type</b> | <b>Description</b>                                          |
|---------------------------|-------------------------------------------------------------|
| MT 900                    | Confirmation of Debit                                       |
| MT 910                    | Confirmation of Credit                                      |
| MT 920                    | Request Message                                             |
| MT 935                    | Rate Change Advice                                          |
| MT 940                    | Customer Statement Message                                  |
| MT 941                    | Balance Report                                              |
| MT 942                    | Interim Transaction Report                                  |
| MT 950                    | Statement Message                                           |
| MT 970                    | Netting Statement                                           |
| MT 971                    | Netting Balance Report                                      |
| MT 972                    | Netting Interim Statement                                   |
| MT 973                    | Netting Request Message                                     |
| MT 985                    | Status Inquiry                                              |
| MT 986                    | Status Report                                               |
| MT 990                    | Advice of Charges, Interest and Other Adjustments           |
| MT 991                    | Request for Payment of Charges, Interest and Other Expenses |
| MT 992                    | Request for Cancellation                                    |
| MT 995                    | Queries                                                     |
| MT 996                    | Answers                                                     |
| MT 998                    | Proprietary Message                                         |
| MT 999                    | Free Format Message                                         |

### 3.1.10 MT n9x Messages

#### Common Group Messages

| <b>SWIFT<br/>Message<br/>Type</b> | <b>Description</b>                                          |
|-----------------------------------|-------------------------------------------------------------|
| MT n90                            | Advice of Charges, Interest and Other Adjustments           |
| MT n91                            | Request for Payment of Charges, Interest and Other Expenses |
| MT n92                            | Request for Cancellation                                    |
| MT n95                            | Queries                                                     |
| MT n96                            | Answers                                                     |
| MT n98                            | Proprietary Message                                         |
| MT n99                            | Free Format Message                                         |

Where n = 1 through 9.

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