Petroleum Tax Unit

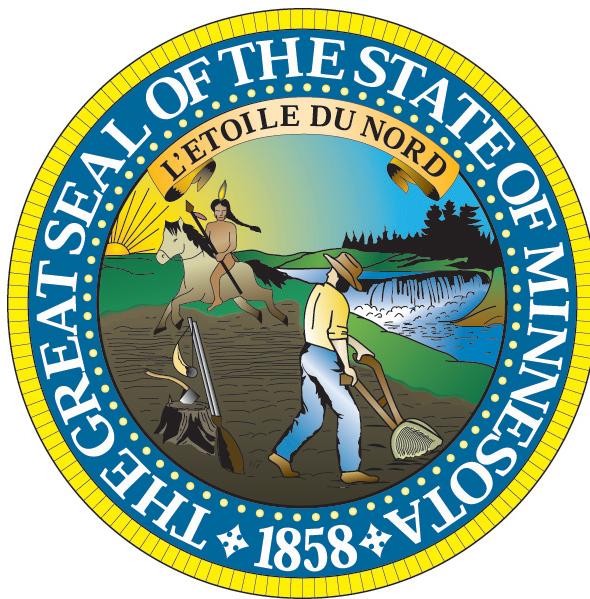# **EDI Implementation Guide**
ANSI ASC X.12 **V4030**

Minnesota Department of Revenue

Version 1.08
June 1, 2022
[See page 5-43 for list of revisions
through June 2, 2022]
ANSI ASC X.12 V4030

**(Adapted from the FTA Electronic Combined
Reporting Methods Implementation Guide)**

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References
ASC X.12 Standards Manual
FTA Uniformity Guide

Chapter 1 - Introduction

Description

The motor fuel taxpayer's inbound tax return information will follow the ANSI ASC X12 813 Electronic Filing of Tax Returns transaction set – as defined in Version 004030.

The following mapping descriptions define the standard layout and data structure of the 813.

The Department requires that all schedules attached to the filed tax returns and information reports reflect detailed information needed to perform tracking of motor fuel. The 813 transaction set is used to capture both return and schedule data.

File naming

The naming of the file can be defined by the taxpayer. However, the naming must contain the following restrictions:
- The file name must be of an alphanumeric type and be between 1 and 8 characters.
- The file's extension must be **.edi**
- The file size can not exceed **10 MB**.

Any files not following the criteria mentioned above will be immediately rejected. If the taxpayer feels their file is valid but exceeds the 10 MB threshold, then they will need to contact Minnesota Revenue.

Important Tips

- Round to whole gallons. Round down all amounts less than .50 and round up all amounts of .50 through .99. Decimal points are not valid in the gallon fields.

- When reporting terminal codes for the origin city and state, you must use the Internal Revenue Service terminal codes that have been assigned to every terminal and refinery in the United States. Any other terminal codes may result in errors.

- Please make certain that the information on the tax return is correct before filing electronically.

- Please provide complete information. Do not shorten names or cities unless an abbreviation is required.

- You must enter the manifest number or bill of lading on each schedule unless reporting a summary.

IRS Terminal Codes (TCN)

A list of the IRS Terminal Codes can be found at the Minnesota Department of Revenue website:

http://www.revenue.state.mn.us/businesses/petroleum/Pages/IRS-Terminal-Codes.aspx

Chapter 2 - X12 Attribute and Separator Conventions

Attributes

Attribute	Definition	
Data Element Type	Nn – Numeric	Numeric type data element is symbolized by the two-position representation (Nn). N indicates a numeric, and n indicates the decimal places to the right of a fixed, implied decimal point. N0 (N Zero) is a numeric with no decimal places.
	R – Decimal (Real)	The decimal point is optional for integer values, but is required for fractional values. For negative values, the leading minus (-) sign is used. Absence of this sign indicates a positive value. The plus (+) sign should not be transmitted.
	ID – Identifier	An identifier data element must always contain a value from a predefined list of values that is maintained by ASC X12 or by other bodies that are recognized by ASC X12.
	AN – String	A string (Alphanumeric) is a sequence of any characters from the basic or extended character sets. It must contain at least one nonspace character. The significant characters must be left justified. Leading spaces, if any, are assumed to be significant. Trailing spaces should be suppressed.
	DT – Date	Format for the date type is CCYYMMDD. CC is the century digits of the year (ex. 19, 20). YY is the last two digits of the year (00-99), MM is the numeric value of the month (01-12), and DD for the day (01-31).
	TM – Time	Format for the time type is HHMMSS, expressed in 24-hour clock format. HH is the numeric value for hour (00-23), MM for minute (00-59), and SS for second (00-59).
Requirement Designator	Defines how the data element is used in a segment.	
	M Mandatory data element - This element is required to appear in the segment.	
	O Optional data element - The appearance of this data element is at the option of the sending party or is based on a mutual agreement of the interchange parties.	
	X Relational data element - Relational conditions may exist between two or more data elements. If one is present the other/s is required. The relational condition is displayed under the Syntax Noted of the X12 Standards.	
Data Element Length	The number of character positions assigned to a data element. Example: Data element length of 2/10. You must have at least 2 characters but no more than 10 characters for this element (minimum of 2/ maximum of 10).	
Semantic Note Designator	Z – Designator	

Table 1 - Separator Requirements

Type	ASCII Value	EBCDIC Value	Character	Character Name
Repetition Separator	7C	4F	|	Pipe
Segment Terminator	5C	E0	\	Back Slash
Element Separator	7E	A1	~	Tilde
Sub-element Separator	5E	5F	^	Caret
Padding Character	20	40	Space	Space

Chapter 3 - 813 EDI Combined Reporting
ANSI ASC X.12 – 813 EDI Standard

813 Electronic Filing of Tax Return Data

FUNCTIONAL GROUP- **TF**

This Draft Standard for Trial Use contains the format and establishes the data contents of the Electronic Filing of Tax Return Data Transaction Set (813) for use within the context of an Electronic Data Interchange (EDI) environment. This transaction set can be used by tax filers to electronically file tax returns with a federal, state, or local taxing authority and which may initiate payments related to the tax return.

Table 1

NOTE	POS.NO.	SEG.ID	NAME	REQ.DES.	MAX USE	LOOP REPEAT
	0100	ST	Transaction Set Header	M	1	
	0200	BTI	Beginning Tax Information	M	1	
	0300	DTM	Date/Time Reference	M	10	
N	0400	TIA	Tax Information and Amount	O	1000	
	0430	REF	Reference Identification	O	10	
	0450	TRN	Trace	O	1000	
	0470	BPR	Beginning Segment for Payment Order/Remittance Advice	O	1000	
			LOOP ID - N1			**>1**
N	0500	N1	Name	O	1	
	0600	N2	Additional Name Information	O	2	
	0700	IN2	Individual Name Structure Components	O	10	
	0800	N3	Address Information	O	2	
	0900	N4	Geographic Location	O	1	
	1000	PER	Administrative Communications Contact	O	2	

Table 2

NOTE	POS.NO.	SEG.ID	NAME	REQ.DES.	MAX USE	LOOP REPEAT
			LOOP ID - TFS			**100000**
	0100	TFS	Tax Form	O	1	
	0200	REF	Reference Identification	O	10	
	0300	DTM	Date/Time Reference	O	10	
	0400	MSG	Message Text	O	1000	
			LOOP ID - N1			**>1**
N	0500	N1	Name	O	1	
	0600	N2	Additional Name Information	O	2	
	0700	IN2	Individual Name Structure Components	O	10	
	0800	N3	Address Information	O	2	
	0900	N4	Geographic Location	O	1	
			LOOP ID - TIA			**10000**
N	0920	TIA	Tax Information and Amount	O	1	
	0940	DTM	Date/Time Reference	O	10	
	0960	MSG	Message Text	O	1000	
			LOOP ID - FGS			**100000**
	1000	FGS	Form Group	O	1	
	1100	REF	Reference Identification	O	10	
	1200	DTM	Date/Time Reference	O	10	
			LOOP ID - N1			**>1**
N	1300	N1	Name	O	1	

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NOTE	POS.NO.	SEG.ID	NAME	REQ.DES.	MAX USE	LOOP REPEAT
	1400	N2	Additional Name Information	O	2	
	1500	IN2	Individual Name Structure Components	O	10	
	1600	N3	Address Information	O	2	
	1700	N4	Geographic Location	O	1	
			LOOP ID - TIA			10000
N	1800	TIA	Tax Information and Amount	O	1	
	1900	DTM	Date/Time Reference	O	10	
	2000	MSG	Message Text	O	1000	

Table 3

NOTE	POS.NO.	SEG.ID	NAME	REQ.DES.	MAX USE	LOOP REPEAT
	0100	SE	Transaction Set Trailer	M	1	

Changes loop repeat value in table/positions 1/0500, 2/0500 and 2/1300.	6	205299

NOTES

1/0400 The TIA segment allows for tax information and amounts associated with the entire filing. At least one occurrence of the TIA segment must be present in the transaction set, either in Table 1 or Table 2.

1/0500 This N1 loop reflects names and addresses associated with the entire filing.

2/0500 This N1 loop reflects names and addresses associated with a particular tax form (TFS).

2/0920 At least one occurrence of the TIA segment must be present in the transaction set, either in Table 1 or Table 2.

2/1300 This N1 loop reflects names and addresses associated with a particular subset of a tax form.

2/1800 At least one occurrence of the TIA segment must be present in the transaction set, either in Table 1 or Table 2.

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[1] *Data Interchange Standards Association, Inc. (DISA)*

813 Combined Reporting Structure

Key:

Not Used by Minnesota Revenue	text is in gray

Table 1

Pos No	Uniform 813 Map	Header
0100	**ST**	Transaction Set Header
0200	**BTI**	Identify Tax Agency Information
0300	**DTM**	Tax Filing Period
0400	**TIA**	Version of Taxing Authority's Implementation Guide
0400	**TIA**	Confidential Information
0400	**TIA**	Total Net Reported
0430	**REF**	Sequence Error ID Number
0500	**N1**	Taxpayer Name Detail
0600	**N2**	Additional Taxpayer Name Detail
0800	**N3**	Address Detail
0900	**N4**	City, State, Zip Code Detail
1000	**PER**	General Contact Person
1000	**PER**	EDI Contact Person
0500	**N1**	Mailing Name Detail
0600	**N2**	Additional Mailing Name Detail
0800	**N3**	Mailing Address Detail
0900	**N4**	Mailing City State Zip Code Detail

Table 2

Pos No	Uniform 813 Map	Reports-TOR	Reports - SDR	SUM	SCH
0100	TFS	Terminal Operator Report – Terminal Code	Distributor – License and Location Code	Summary Information	Schedules
0200	REF	Relationship to the Transaction	Relationship to the Transaction	Relationship to the Transaction	Relationship to the Transaction
0200	REF	Sequence Error ID Number	Sequence Error ID Number	Sequence Error ID Number	Sequence Error ID Number
0200	REF	No Activity	No Activity		
0300	DTM	Sold/Purchase Date	Sold/Purchase Date		
0300	DTM	Ending Inventory Date	Ending Inventory Date		
0500	N1				Point of Origin
0500	N1				Seller Information
0500	N1				Position Holder Information
0500	N1				Person Hiring Carrier (Consignor)
0500	N1				Carrier Information
0500	N1				Buyer/Consignee Information
0500	N1				Point of Destination
0920	TIA	Total Due	Total Due		
1000	FGS	Physical Inventory by Product	Physical Inventory by Product	Summary Data	Bill of Lading
1100	REF	Sequence Error ID Number	Sequence Error ID Number	Sequence Error ID Number	Sequence Error ID Number
1200	DTM				Bill of Lading Date
1800	TIA	Physical Inventory	Physical Inventory	Information	Bill of Lading Net
1800	TIA			Interest	Bill of Lading Gross
1800	TIA			Penalty	Bill of Lading Billed

Table 3

Pos No	Uniform 813 Map	Trailer
0100	SE	Transaction Set Trailer

813 Map Flow

ISA   Interchange Control Header

GS   Functional Group Header

— ST   Transaction Set Header   (TS 813) ——————————————— Max 1
  BTI   Identify Tax Agency Information
  DTM   Tax Filing Period
  TIA   Version of EDI Map
  TIA   Total Gallons

  — N1 Loop   Taxpayer Name Detail ——————————————— Max 1
    N2   Additional Taxpayer Name Detail
    N3   Address Detail
    N4   Geographic Location
    PER   General Contact Person
    PER   EDI Contact Person

  — N1 Loop   Taxpayer Mailing Name Detail ——————————————— Max 1
    N2   Additional Name Detail
    N3   Address Detail
    N4   Geographic Location

  ■ TFS Loop   Terminal Operator Detail   (TOR) ■——
    REF   Relationship to the Transaction Information
    REF   No Activity
    DTM   Ending Inventory Date

    · FGS Loop   Ending Physical Inventory by Product ——————————— Max 100,000
      TIA   Ending Physical Inventory

  ■ TFS Loop   Supplier/Distributor Detail   (SDR)
    REF   Relationship to the Transaction Information
    REF   No Activity
    DTM   Ending Inventory Date
    TIA   Total Tax Due

  TFS Loop   Summary Information
    REF   Relationship to the Transaction Information
    REF   No Activity
    TIA   Total Delivered

    · FGS Loop   Line Items From Face of Return not Derived From Schedules ——————— Max 100,000
      TIA   Line Item Detail

  ■ TFS Loop   Beginning of Schedules ■——
    REF   Relationship to the Transaction information
    N1   Point of Origin
    N1   Seller Information
    N1   Position Holder Information
    N1   Person Hiring Carrier (Consignor)
    N1   Carrier Information
    N1   Buyer/Consignee Information
    N1   Point of Destination

    — FGS Loop   Bill Lading ——————————————— Max 100,000
      DTM   Bill of Lading Date
      TIA   Bill of Lading Net
      TIA   Bill of Lading Gross
      TIA   Bill of Lading Billed

Maximum Number of TFS Loops = 100,000

— SE   Transaction Set Trailer ——

GE   Functional Group Trailer

IEA   Interchange Control Trailer

Chapter 4 - 813 Motor Fuels EDI Map

Interchange Control Header Description

Functional Group Segment								(Required)
Element ID	Elem Ref #	Sub-Ele Ref #	Field Status	Field Name	Field Type	Length Min	Length Max	Field Description
ISA01	I01		M	Authorization Information Qualifier	ID	2	2	"00" = No Authorization Information Present (No meaningful Information in ISA02) ~~"03" = Additional Data Identification~~
ISA02	I02		M	Authorization Information	AN	10	10	10-character authorization code provided by Minnesota Revenue
ISA03	I03		M	Security Information Qualifier	ID	2	2	"00" = No Security Information Present (No meaningful Information in ISA04) ~~"01" = Password~~
ISA04	I04		M	Security Information	AN	10	10	~~10-character PASSWORD provided by Minnesota Revenue~~
ISA05	I05		M	Interchange ID Qualifier	ID	2	2	~~"01" = DUNS Number~~ ~~"32" = Employer's Identification Number~~ "ZZ" = ID qualifier. Sender's FEIN
ISA06	I06		M	Interchange Sender ID	AN	15	15	Sender's FEIN followed by 6 spaces Example: "######### " Spaces are required
ISA07	I05		M	Interchange ID Qualifier	ID	2	2	"01" = DUNS Number ~~"32" = Employer's Identification Number~~ ~~"ZZ" = ID qualifier published by the sender used to designate the sender ID element being qualified.~~
ISA08	I07		M	Interchange Receiver ID	AN	15	15	Minnesota Revenue's DUNS Number "804832376 " 6 Spaces are required
ISA09	I08		M	Interchange Date	DT	6	6	"YYMMDD" = Date Of Interchange
ISA10	I09		M	Interchange Time	TM	4	4	"HHMM" = Time of Interchange
ISA11	I65		M	Repetition Separator		1	1	"|" = EBCDIC – 4F HEX ASCII – 7C HEX
ISA12	I11		M	Interchange Control Version Number	ID	5	5	"00403" = ASC X12
ISA13	I12		M	Interchange Control Number	N0	9	9	The interchange control number uniquely identifies the interchange data to the sender, Sender assigned. The number cannot be less than previous numbers used
ISA14	I13		M	Acknowledgment Requested	ID	1	1	"0" = No Acknowledgment Required ~~"1" = Acknowledgment Required~~
ISA15	I14		M	Usage Indicator	ID	1	1	"P" = Production Data "T" = Test Data
ISA16	I15		M	Component Sub-Element Separator		1	1	"^" = EBCDIC – 5F HEX ASCII – 5E HEX
ISA~00~ ~00~ ~ZZ~Sender FEIN ~01~804832376 ~040523~0931~|~00403~000000001~0~P~^\								
Syntax Notes:		None						
FTA Notes:		None						

Minnesota Revenue Notes:	None

Functional Group Header Description

Functional Group Segment								(Required)
Element ID	Elem Ref #	Sub-Ele Ref #	Field Status	Field Name	Field Type	Length Min	Length Max	Field Description
GS01	479		M	Functional Identifier Code	ID	2	2	"TF" for 813 Transaction Set
GS02	142		M	Application Sender's Code	AN	2	15	Code identifying party sending transmission. Last 7 characters of MN license along with location code. (Example: Minnesota ID 001234567-001 = 1234567001)
GS03	124		M	Application Receiver's Code	AN	2	15	"804832376066" = Minnesota Revenue DUNS number plus 066 (zero six six)
GS04	373		M/Z	Date	DT	8	8	"CCYYMMDD" = Date
GS05	337		M/Z	Time	TM	4	8	"HHMMSSDD" = Time
GS06	28		M/Z	Group Control Number	N0	1	9	Assigned number originated and maintained by the sender
GS07	455		M	Responsible Agency Code	ID	1	2	"X" = ASC X12
GS08	480		M	Version/Release/Industry Identifier Code	AN	1	12	"004030"

GS~TF~1234567001~804832376066~20010523~1101~X~004030	
Syntax Notes:	None
FTA Notes:	None
Minnesota Revenue Notes:	None

Functional Group Trailer Description

Functional Group Segment									(Required)
Element ID	Elem Ref #	Sub-Ele Ref #	Field Status	Field Name	Field Type	Length		Field Description	
						Min	Max		
GE01	97		M	Number of Transaction Sets Included	N0	1	6	Count of transaction sets within this GS/GE	
GE02	28		M/Z	Group Control Number	N0	1	9	The data interchange control number in the trailer must be identical to the same data element in the associated functional header (GS06)	
GE~1~1101									
Syntax Notes:			None						
FTA Notes:			None						
Minnesota Revenue Notes:			None						

Interchange Control Trailer Description

Interchange Segment									(Required)
Element ID	Elem Ref #	Sub-Ele Ref #	Field Status	Field Name	Field Type	Length		Field Description	
						Min	Max		
IEA01	116		M	Number of Included Functional Groups	N0	1	5	Count of Function Groups Within This ISA/IEA	
IEA02	112		M	Interchange Control Number	N0	9	9	The interchange number in the trailer must be identical to the same data element in the associated interchange header (ISA13).	
IEA~10~000000001									
Syntax Notes:			None						
FTA Notes:			None						
Minnesota Revenue Notes:			None						

Begin Transaction Set Header
Transaction Set Header Description

Beginning of Transaction Set Header Segment								(Required) Pos. No. 0100
Element ID	Elem Ref #	Sub-Ele Ref #	Field Status	Field Name	Field Type	Length Min	Length Max	Field Description
ST01	143		M	Transaction Set Code	ID	3	3	Transaction Set Type "813"
ST02	329		M	Transaction Set Control Number	AN	4	9	Filer defined unique control number (same as SE02)
ST03	1705		O/Z	Implementaion Convention Reference	AN	1	5	Version of taxing authority's implementation guide.
ST~813~10001~1								
Syntax Notes:		**None**						
FTA Notes:		**It is recommended that ST03 be used to help identify which implementation guide the trading partner is using. This element will help the receiver of the data determine if the sender is using an old guide or the most current guide for the data transmission**						
Minnesota Revenue Notes:		**None**						

Identify Tax Agency Information Beginning of Tax Information								(Required) Pos. No. 0200
Element ID	Elem Ref #	Sub-Ele Ref #	Field Status	Field Name	Field Type	Length Min	Length Max	Field Description
BTI01	128		M	Reference Number Qulifier	ID	2	2	"T6" = Defines as Tax Filing
BTI02	127		M	Reference Number	AN	3	3	Determined by FTA "050" = All Fuels Tax Filings
BTI03	66		M	ID Code Qualifier	ID	2	2	"47" = Tax Authority
BTI04	67		M	ID Code	AN	2	20	Determined by Tax Aurhority Example: Tax Agency Abbreviation: Tax Authority's DUNS number
BTI05	373		O	Transaction Create Date	DT	8	8	"CCYYMMDD" = Transmission Date
BTI06	818		O	Name Control ID	AN	4	4	First 4 positions of Taxpayer's Legal Business Name. If business name is less than 4 characters, left justify name control and pad with "*"
BTI07	66		X	ID Code Qualifier	ID	2	2	"24" = FEIN Federal Employer Identification Number "34" = Social Security Number "50" = BN – Canadian Business Number
BTI08	67		X	ID Code	AN	9	18	Taxpayer's FEIN or SSN or BN
BTI09 Not Used BTI10 Not Used								
BTI11	66		X	ID Code	ID	2	2	"48" = IRS Electronic Filer ID Number "SV" = Software Provider Number
BTI12	67		X	ID Code Qualifier	AN	9	15	State Assigned Software Provider Number
BTI13	353		O	Transaction Set Purpose Code	ID	2	2	Original Filing Options: "00" = Original "05" = Replace "15" = Resubmission
BTI114	640		O	Transaction Type Code	ID	2	2	Amended Filing Options "6R" = Resubmission "6S" = Supplemental

| | | | | | | | | | | "CO" = Corrected |

BTI~T6~050~47~Tax Authority Code~20010523~ABCD~24~516999988~~~SV~123456~00

Syntax Notes:	If either BTI07 or BTI08 is present, then the other is required
	If either BTI11 or BTI12 is present, then the other is required
FTA Notes:	BTI07 must be the FEIN if the taxpayer has one. Submit a SSN only for sole proprietorships that have not been issued a FEIN. In Canada, companies us a BN – Canadian Business Number.
	The application of the BTI13 and BTI14 are as follows: BTI13 should be used when the taxpayer transmits their initial return (BTI13 should be used without BTI14); BTI14 should be used when the taxpayer transmits modifications (BTI14 should be used without BTI13). This is a recommendation of the Motor Fuel Uniformity Committee, not a requirement of X12. Further clarification of these elements are located below
Element	**Application**
BT113 [Initial Return]	
"00" = Original	Use "Original" when first attempt to transmit your return to the department, no matter if the department receives your return
"05" = Replace	Use "Replace" when first attempt of transmitted return had corrupted data
"15" = Resubmission	Use "Resubmission" when the Department did not receive first attempt of your transmitted return.
BT114 [Amended Return]	
"CO" = Corrected	Use "Corrected" when adjusting or correcting original or amended return
"6R" = Resubmission	Use "Resubmission" when first attempt to transmit amended return was not received by the Department
"6S" = Supplemental	Use "Supplemental" when transmitting new or additional data not included in original or amended return.
Minnesota Revenue Notes:	BTI04="804832376"

| Tax Filing Period | | | | | | | | | (Required) |
Date/Time Reference Segment									Pos. No. 0300
Element ID	Ele Ref #	Sub-Ele Ref #	Field Status	Field Name	Field Type	Length Min	Length Max		Field Description
DTM01	374		M	Date/Time Qualifier	ID	3	3		"194" = Tax Period End Date
DTM02	373		X	Date	DT	8	8		"CCYYMMDD" = Tax Filing Period End
DTM03 and DTM04 are not used.									
DTM05	1250		X	Date Time Period Format Qualifier	ID	3	3		"RD8" = Range of Dates
DTM06	1251		X	Date Time Period	AN	17	17		"CCYYMMDD-CCYYMMDD" = Tax Filing Period Beginning and Ending Dates
DTM~194~20010525									
Syntax Notes:	**DTM02 is required.**								
FTA Notes:	**None**								
Minnesota Revenue Notes:	**None**								

Confidential Data Tax Information and Amount Segment								(NOT USED) Pos. No. 0400
Element ID	Ele Ref #	Sub-Ele Ref #	Field Status	Field Name	Field Type	Length		Field Description
						Min	Max	
TIA01	C037	817	M	Tax Information Code	AN	4	4	"5010" = Confidential Information
TIA02 is not used								
TIA03	449		X	Fixed Format Information	AN	1	5	User defined: Example: "6103" = IRS 6103C Tax Data
TIA~5010~6103\								
Syntax Notes:			TIA03 is required.					
FTA Notes:			This segment is used only between the states and the IRS					
Minnesota Revenue Notes:			Not Used by Minnesota Revenue					

Total Net Reported Tax Information and Amount Segment								(Required) Pos. No. 0400
Element ID	Ele Ref #	Sub-Ele Ref #	Field Status	Field Name	Field Type	Length		Field Description
						Min	Max	
TIA01	C037	817	M	Tax Information Code	AN	4	4	"5001" = Total Net Reported
TIA02 and TIA03 are not used.								
TIA04	380		X	Quantity	R	1	15	Total Number of Net Gallons (Total number of Gallons (GROSS) before any adjustments)
TIA05	C001	355	M	Unit of Measurement Code	ID	2	2	"GA"
TIA~5001~~~9000000~GA\								
Syntax Notes:			TIA04 is required. If TIA05 is present, then TIA04 is required.					
FTA Notes:			Even though this value can be calculated, it is included, as a control figure to verify that the amount calculated by the Tax Authority is the same as expected by the taxpayer					
Minnesota Revenue Notes:			The gallons reported here will be the total of all Gross gallons before adjustments. This is NOT a sum of all the gallons reported as "net" gallons on a schedule.					

Line Item Control Number Reference Number Segement								(Not Used) Pos. No. 0430
Element ID	Ele Ref #	Sub-Ele Ref #	Field Status	Field Name	Field Type	Length		Field Description
						Min	Max	
REF01	128		M	Reference Identification Number	ID	2	2	"FJ" = Line Item Control Number
REF02	127		X	Reference Identification	AN	4	9	Control Number
REF03	352		X	Description	AN	1	5	Error Response Code (See Appendix F)
TIA~FJ~0001234\								
Syntax Notes:			TIA04 is required. If TIA05 is present, then TIA04 is required.					
FTA Notes:			Even though this value can be calculated, it is included, as a control figure to verify that the amount calculated by the Tax Authority is the same as expected by the taxpayer					
Minnesota Revenue Notes:			Not Used by Minnesota Revenue					

Name Detail Name Segment								(Required) Pos. No. 0500	
Element ID	Elem Ref #	Sub-Ele Ref #	Field Status	Field Name	Field Type	Length		Field Description	
						Min	Max		
N101	98		M	Entity Identification Code	ID	2	2	"TP" = Primary Taxpayer "L9" = Information Provider "31" = Postal Mailing	
N102	93		X	Name	AN	1	35	Name	
N1~TP~ABC Distributing									
Syntax Notes:		**N102 is required**							
FTA Notes:		**N101: Use "TP" for tax reporting or "L9" for information reporting**							
Minnesota Revenue Notes:		**None**							

Additional Taxpayer Name Detail Additional Name Segment								(Optional) Pos. No. 0600	
Element ID	Elem Ref #	Sub-Ele Ref #	Field Status	Field Name	Field Type	Length		Field Description	
						Min	Max		
N201	93		M	Name	AN	1	35	Name	
N202	93		O	Name	AN	1	35	Name	
N2~ABC Trucking~ABC Station									
Syntax Notes:		**None**							
FTA Notes:		**None**							
Minnesota Revenue Notes:		**None**							

Address Detail Address Information Segment								(Optional) Pos. No. 0800	
Element ID	Elem Ref #	Sub-Ele Ref #	Field Status	Field Name	Field Type	Length		Field Description	
						Min	Max		
N301	166		M	Address Information	AN	1	35	First Line Street Address	
N302	166		O	Address Information	AN	1	35	Second Line Street Address	
N3~123 C Street~PO Box 222									
Syntax Notes:		**None**							
FTA Notes:		**None**							
Minnesota Revenue Notes:		**None**							

Element ID	Elem Ref #	Sub-Ele Ref #	Field Status	Field Name	Field Type	Length Min	Length Max	Field Description

City, State, Zip Code Detail / **Location Geographic Segment** — **(Optional)** Pos. No. 0900

Element ID	Elem Ref #	Sub-Ele Ref #	Field Status	Field Name	Field Type	Min	Max	Field Description
N401	19		O	City Name	AN	2	30	Name of City
N402	156		O	State code or Province	ID	2	2	State of Province Abbreviation
N403	116		O	Postal (Zip) Code	ID	3	11	Zip Code, Zip Plus 4 Code or Foreign Postal Code
N404	26		O	Country	ID	2	3	Country Abbreviation (United States = USA)

N4~Billings~MT~59401-2222~USA

Syntax Notes:	None
FTA Notes:	None
Minnesota Revenue Notes:	None

General Contact Person / **Administrative Communication Contact Segment** — **(Required)** Pos. No. 1000

Element ID	Elem Ref #	Sub-Ele Ref #	Field Status	Field Name	Field Type	Min	Max	Field Description
PER01	366		M	Contact Function Code	ID	2	2	Contact Type Code: "CN" = General Contact "EA" = EDI Contact (Not Required)
PER02	93		O	Name	AN	1	35	Contact Name
PER03	365		X	Communications Number Qualifier	ID	2	2	"TE" = Telephone Number
PER04	364		X	Communications Number	AN	10	14	Voice Telephone Number
PER05	365		X	Communications Number Qualifier	ID	2	2	"FX" = Fax Number
PER06	364		X	Communications Number	AN	10	10	FAX Telephone Number
PER07	365		X	Communications Number Qualifier	ID	2	2	"EM" = Email Address
PER08	364		X	Communications Number	AN	1	80	E-mail Address

PER~CN~John Doe~TE~6515559999~FX~6515559998~EM~john.doe@state.com

Syntax Notes:	None
FTA Notes:	None
Minnesota Revenue Notes:	None

Mailing Name Detail Name Segment								(Optional) Pos. No. 0500
Element ID	Elem Ref #	Sub-Ele Ref #	Field Status	Field Name	Field Type	Length Min	Max	Field Description
N101	98		M	Entity Identification Code	ID	2	2	"TP" = Primary Taxpayer "L9" = Information Provider "31" = Postal Mailing
N102	93		X	Name	AN	1	35	Name
N1~TP~ABC Distributing								
Syntax Notes:		**N102 is required**						
FTA Notes:		**N101: Use "TP" for tax reporting or "L9" for information reporting**						
Minnesota Revenue Notes:		**None**						

Mailing Additional Taxpayer Name Detail Additional Name Segment								(Optional) Pos. No. 0600
Element ID	Elem Ref #	Sub-Ele Ref #	Field Status	Field Name	Field Type	Length Min	Max	Field Description
N201	93		M	Name	AN	1	35	Name
N202	93		O	Name	AN	1	35	Name
N2~ABC Trucking~ABC Station								
Syntax Notes:		**None**						
FTA Notes:		**None**						
Minnesota Revenue Notes:		**None**						

Mailing Address Detail Address Information Segment								(Optional) Pos. No. 0800
Element ID	Elem Ref #	Sub-Ele Ref #	Field Status	Field Name	Field Type	Length Min	Max	Field Description
N301	166		M	Address Information	AN	1	35	First Line Street Address
N302	166		O	Address Information	AN	1	35	Second Line Street Address
N3~123 C Street~PO Box 222								
Syntax Notes:		**None**						
FTA Notes:		**None**						
Minnesota Revenue Notes:		**None**						

Mailing City, State, Zip Code Detail Location Geographic Segment								(Optional) Pos. No. 0900
Element ID	Elem Ref #	Sub-Ele Ref #	Field Status	Field Name	Field Type	Length Min	Max	Field Description
N401	19		O	City Name	AN	2	30	Name of City
N402	156		O	State code or Province	ID	2	2	State of Province Abbreviation
N403	116		O	Postal (Zip) Code	ID	3	11	Zip Code, Zip Plus 4 Code or Foreign Postal Code
N404	26		O	Country	ID	2	3	Country Abbreviation (United States = USA)
N4~Billings~MT~59401-2222~USA								
Syntax Notes:		**None**						
FTA Notes:		**None**						
Minnesota Revenue Notes:		**None**						

If there are no transactions to report in this filing, it is not necessary to transmit a Schedules TFS loop. You must indicate no activity in the TOR, SDR, CCR and/or other report type sections of this map.

Report Information

Beginning of Report Tax Form Segment								(Required) Pos. No. 0100
Element ID	Elem Ref #	Sub-Ele Ref #	Field Status	Field Name	Field Type	Length Min	Max	Field Description
TFS01	128		M	Reference Identification Qualifier	ID	2	2	"T2" = Tax Form Code
TFS02	127		M	Reference Identification	AN	1	6	"SDR" = Distributor Report "TOR" = Terminal Report
TFS03 Not Used TFS04 Not Used								
TFS05	66		X	Identification Code Qualifier	ID	2	2	"TC" = IRS Terminal Code
TFS06	67		X	Identification Code	AN	9	9	IRS Terminal Code Number (TCN)
Terminals : TFS~T2~TOR~~~TC~T41MN9999\ Disributors : TFS~T2~SDR \								
Syntax Notes:			If either TFS03 or TFS04 are not used since the SDR's FEIN is located in ISA segment					
FTA Notes:			TFS05 and TFS06 are only used on a terminal report.					
Minnesota Revenue Notes:			None					

~~Relationship to the Transaction Information Reference Segment~~								~~(Not Used) Pos. No. 0200~~
~~Element ID~~	~~Elem Ref #~~	~~Sub-Ele Ref #~~	~~Field Status~~	~~Field Name~~	~~Field Type~~	~~Length Min~~	~~Max~~	~~Field Description~~
~~REF01~~	~~128~~		~~M~~	~~Reference Identification Qualifier~~	~~ID~~	~~2~~	~~2~~	~~"SU" = Special Processing~~
~~REF02~~	~~127~~		~~M~~	~~Reference Identification~~	~~AN~~	~~3~~	~~3~~	~~IRS = IRS Data N/A = If not applicable to the IRS~~
~~REF03 Not used~~								
~~REF04-01~~	~~C040~~	~~128~~	~~M~~	~~Reference Identification Qualifier~~	~~ID~~	~~2~~	~~2~~	~~"S0" = Special Approval (S Zero)~~
~~REF04-02~~	~~C040~~	~~127~~	~~M~~	~~Reference Identification~~	~~AN~~	~~2~~	~~2~~	~~State Abbriviation for the state which it belongs to~~
~~REF04-03~~	~~C040~~	~~128~~	~~X~~	~~Reference Identification Qualifier~~	~~ID~~	~~2~~	~~2~~	~~"S0" = Special Approval (S Zero)~~
~~REF04-04~~	~~C040~~	~~127~~	~~X~~	~~Reference Identification~~	~~AN~~	~~2~~	~~2~~	~~State Abbriviation for the state which it belongs to~~
~~REF~SU~IRS~~S0^MT\~~								
~~Syntax Notes:~~			~~REF02 is required~~					
~~FTA Notes:~~			~~REF02, REF04-02 and REF04-04 represent the taxing authorities and their relationship to the information in this TFS loop. REF05 – REF07 use the sub element separator.~~					
~~Minnesota Revenue Notes:~~			~~None~~					

Sequence Number Reference Number Segment								(Not Used) Pos. No. 0200
Element ID	Elem Ref #	Sub-Ele Ref #	Field Status	Field Name	Field Type	Length Min	Max	Field Description
REF01	128		M	Reference Identification Qualifier	ID	2	2	"55" = Sequence Number
REF02	127		X	Reference Identification	AN	1	9	Sequence Number
REF03	352		X	Description	AN	1	5	Error Response Code – Appendix G
REF~55~0001234\								
Syntax Notes:		At least one of REF02 and REF03 is required.						
FTA Notes:		This segment is used to identify information for error processing. This segment can be generated by the filer when first filling to assist in identifying information or when responding to an error reported. REF02 is always required. REF03 is used for responding to an error.						
Minnesota Revenue Notes:		Not Used by Minnesota Revenue						

Condition 1 – If an account has no activity, this segment is required. The Condition 2 DTM and FGS are not used.

No Activity Reference Number Segment								(Required) Pos. No. 0200
Element ID	Elem Ref #	Sub-Ele Ref #	Field Status	Field Name	Field Type	Length Min	Max	Field Description
REF01	128		M	Reference Identification Qualifier	ID	2	2	"BE" = Business Activity
REF02	127		X	Reference Identification	AN	1	1	"1" = No Activity
REF~BE~1\								
Syntax Notes:		REF02 is required						
FTA Notes:		If an account has no activity, this segment is required						
Minnesota Revenue Notes:		None						

Sold/Acquired Date Date/Time Reference Segment								(Not Used) Pos. No. 0300
Element ID	Elem Ref #	Sub-Ele Ref #	Field Status	Field Name	Field Type	Length Min	Max	Field Description
DTM01	374		M	Date/Time Qualifier	ID	3	3	"572" = Date Property Sold "631" = Date Property Acquired
DTM02	373		X	Date	DT	8	8	"CCYYMMDD"
DTM~572~20010520\								
Syntax Notes:		DTM02 is required						
FTA Notes:		This segment is used once when you purchase or sell a terminal.						
Minnesota Revenue Notes:		Not Used by Minnesota Revenue						

Condition 2 – If an account has activity, at least the TIA (Total Due/Delivered) is required. The Condition 1 REF is not used. The FGS loop contains inventory information. The FGS loop is repeated when the product code value changes.

Ending Inventory Date Date/Time Reference Segment								(Not Used) Pos. No. 0300
Element ID	Elem Ref #	Sub-Ele Ref #	Field Status	Field Name	Field Type	Length Min	Max	Field Description
DTM01	374		M	Date/Time Qualifier	ID	3	3	"184" = Inventory Date
DTM02	373		X	Date	DT	8	8	"CCYYMMDD"
DTM~184~20010520\								
Syntax Notes:		DTM02 is required						
FTA Notes:		Not Used by Minnesota Revenue						

Total Due/Delivered Tax Information and Amount Segment								(Required) Pos. No. 0920
Element ID	Elem Ref #	Sub-Ele Ref #	Field Status	Field Name	Field Type	Length Min	Max	Field Description
TIA01	C037	817	M	Tax Information ID Number	AN	4	4	"5003" = Total Due
TIA02	782		X	Monetary Amount	R	1	15	Dollar Amount (Total Tax Due from the transactions in this file)
REF03 Not used								
TIA04	380		X	Quantity	R	1	15	Quantity
TIA05	C001	355	M	Unit of Measurement Code	ID	2	2	"GA" = Gallons
TIA~5003~25000\ OR TIA~5003~25000~~100000~GA								
Syntax Notes:	At least one of TIA02 or TIA04 is required. If TIA05 is present, then TIA04 is required.							
FTA Notes:	Total Due/Delivered is passed as a check value and represents dollars and/or quantity							
Minnesota Revenue Notes:	None							

Physical Inventory by Product Form Group Segment								(Not Used) Pos. No. 1000
Element ID	Elem Ref #	Sub-Ele Ref #	Field Status	Field Name	Field Type	Length Min	Max	Field Description
FGS01	350		M	Assigned Identification	AN	2	2	"BI" = Beginning Inventory (First Filing) "ED" = Ending Inventory "GL" = Gains and Losses
FGS02	128		X	Reference Identification Qualifier	AN	2	2	"PG" = Product Group
FGS03	127		X	Reference Identification	AN	3	3	Product Code See Product Codes in Appendix D
FGS~E1~PG~065								
Syntax Notes:	If either FGS02 or FGS03 is present, then the other is required.							
FTA Notes:	FGS01 – Recommend BI only be used for first filing. Begenning inventory is the previous period's ending inventory. FGS01 – GL – TIA04 is Positive for a gain and negative for a loss.							
Minnesota Revenue Notes:	Not Used by Minnesota Revenue							

Sequence Number Reference Number Segment								(Not Used) Pos. No. 1100
Element ID	Elem Ref #	Sub-Ele Ref #	Field Status	Field Name	Field Type	Length Min	Max	Field Description
REF01	128		M	Reference Identification Qualifier	ID	2	2	"55" = Sequence Number
REF02	127		X	Reference Identification	AN	1	9	Sequence Number
REF03	352		X	Description	AN	1	5	Error Response Code
REF~55~0001234								
Syntax Notes:	This segment is used to identify information for error processing. This segment can be generated by the filer when first filling to assist in identifying information or when responding to an error reported. At least one of REF02 or REF03 is required							
FTA Notes:	REF02 is always required. REF03 is used for responding to an error							
Minnesota Revenue Notes:	Not Used by Minnesota Revenue							

Inventory							
Tax Information and Amount Segment							**(Not Used)**
							Pos. No. 1800
Element ID	Elem Ref #	Sub-Ele Ref #	Field Status	Field Name	Field Type	Length Min	Length Max	Field Description

Element ID	Elem Ref #	Sub-Ele Ref #	Field Status	Field Name	Field Type	Min	Max	Field Description
TIA01	C037	817	M	Tax Information ID Number	AN	4	4	"5002" = Net Physical Inventory
TIA02 and TIA03 are not used								
TIA04	380		X	Quantity	R	1	15	Quantity
TIA05	C001	355	M	Unit of Measurement Code	ID	2	2	"GA" = Gallons
TIA~5002~~~~10000~GA\								
Syntax Notes:			TIA04 is required.					
			If TIA05 is present, then TIA04 is required.					
FTA Notes:			Physical Inventory is the only value passed. All other information is derivable from schedules.					
Minnesota Revenue Notes:			Not Used by Minnesota Revenue					

End of FGS loop (Line item detail)

End of TFS loop (detail)

Summary Information
*This section is not being used by Minnesota Revenue

Beginning of Report Tax Form Segment								(Not Used) Pos. No. 0100
Element ID	Elem Ref #	Sub-Ele Ref #	Field Status	Field Name	Field Type	Length Min	Length Max	Field Description
TFS01	128		M	Reference Identification Qualifier	ID	2	2	"T3" = Tax Schedule Code
TFS02	127		M	Reference Identification	AN	1	6	"S05" = Summary Code General Return
TFS03	128		X	Reference Identification Qualifier	ID	2	2	"PG" = Product Code
TFS04	127		X	Reference Identification	AN	3	3	Product Code See Product Codes (See Appendix D)
TFS05	66		X	Identification Code Qualifier	ID	2	2	"T2" = Tax Form Code "SDR" = Mode
TFS06	67		X	Identification Code	AN	9	9	Report Code Appendix G or "CE" = Mode

TFS~T3~S05~PG~228~T2~SDR

Syntax Notes:	If either TFS03 or TFS04 is present, then the other is required. If either TFS05 or TFS06 is present, then the other is required.
FTA Notes:	TFS02 references the report the summary is associated with. If TFS05 = "94" then TFS06 = "CE". If TFS05 = "T2" then TFS06 = Report Code (See Appendix G)
Minnesota Revenue Notes:	Not Used by Minnesota Revenue

Relationship to the Transaction Information Reference Segment								(Not Used) Pos. No. 0200
Element ID	Elem Ref #	Sub-Ele Ref #	Field Status	Field Name	Field Type	Length Min	Length Max	Field Description
REF01	128		M	Reference Identification Qualifier	ID	2	2	"SU" = Special Processing
REF02	127		M	Reference Identification	AN	3	3	IRS = IRS Data N/A = If not applicable to the IRS
REF03 Not used								
REF04-01	C040	128	M	Reference Identification Qualifier	ID	2	2	"S0" = Special Approval (S Zero)
REF04-02	C040	127	M	Reference Identification	AN	2	2	State Abbriviation for the state which it belongs to
REF04-03	C040	128	X	Reference Identification Qualifier	ID	2	2	"S0" = Special Approval (S Zero)
REF04-04	C040	127	X	Reference Identification	AN	2	2	State Abbriviation for the state which it belongs to

REF~SU~IRS~~S0^MT

Syntax Notes:	REF02 is required
FTA Notes:	REF02, REF04-02 and REF04-04 represent the taxing authorities and their relationship to the information in this TFS loop. REF05 – REF07 use the sub element separator.
Minnesota Revenue Notes:	Not Used by Minnesota Revenue

Sequence Number					Field			(Not Used)
Reference Number Segment								Pos. No. 0200
Element ID	Elem Ref #	Sub-Ele Ref #	Field Status	Field Name	Field Type	Length		Field Description
						Min	Max	
REF01	128		M	Reference Identification Qualifier	ID	2	2	"55" = Sequence Number
REF02	127		X	Reference Identification	AN	1	9	Sequence Number
REF03	352		X	Description	AN	1	5	Error Response Code – Appendix G
REF~55~0001234\								
Syntax Notes:		At least one of REF02 and REF03 is required.						
FTA Notes:		This segment is used to identify information for error processing. This segment can be generated by the filer when first filling to assist in identifying information or when responding to an error reported. REF02 is always required. REF03 is used for responding to an error.						
Minnesota Revenue Notes:		Not Used by Minnesota Revenue						

Summary Data					Field			(Not Used)
Forms Group Segment								Pos. No. 1000
Element ID	Elem Ref #	Sub-Ele Ref #	Field Status	Field Name	Field Type	Length		Field Description
						Min	Max	
FGS01	350		M	Assigned Identification	ID	1	1	"S" = Schedule Summary
FGS~S\								
Syntax Notes:		None						
FTA Notes:		None						
Minnesota Revenue Notes:		Not Used by Minnesota Revenue						

Sequence Number					Field			(Not Used)
Reference Number Segment								Pos. No. 1100
Element ID	Elem Ref #	Sub-Ele Ref #	Field Status	Field Name	Field Type	Length		Field Description
						Min	Max	
REF01	128		M	Reference Identification Qualifier	ID	2	2	"55" = Sequence Number
REF02	127		X	Reference Identification	AN	1	9	Sequence Number
REF03	352		X	Description	AN	1	5	Error Response Code – Appendix G
REF~55~0001234\								
Syntax Notes:		At least one of REF02 and REF03 is required.						
FTA Notes:		This segment is used to identify information for error processing. This segment can be generated by the filer when first filling to assist in identifying information or when responding to an error reported. REF02 is always required. REF03 is used for responding to an error.						
Minnesota Revenue Notes:		Not Used by Minnesota Revenue						

Information					Field			(Not Used)
Tax Information and Amount Segment								Pos. No. 1800
Element ID	Elem Ref #	Sub-Ele Ref #	Field Status	Field Name	Field Type	Length		Field Description
						Min	Max	
TIA01	C037	817	M	Tax Information ID Number	AN	4	4	"5003" = Total Tax Due
TIA02	782		X	Monetary Amount	R	1	15	Dollar Amount
TIA03 is not used								
TIA04	380		X	Quantity	R	1	15	Quantity
TIA05	C001	355	M	Unit of Measurement Code	ID	2	2	"GA" = Gallons
TIA~5006~~~25000~GA\								
Syntax Notes:		At least one of TIA02 or TIA04 is required. If TIA05 is present, then TIA04 is required.						
FTA Notes:		None						

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Interest									(Not Used)
Tax Information and Amount Segment									**Pos. No. 1800**
Element ID	Elem Ref #	Sub-Ele Ref #	Field Status	Field Name	Field Type	Length Min	Max	Field Description	
TIA01	C037	817	M	Tax Information ID Number	AN	4	4	"5008" = Interest	
TIA02	782		X	Monetary Amount	R	1	15	Dollar Amount	
TIA~5008~500\									
Syntax Notes:	TIA02 is required								
FTA Notes:	None								
Minnesota Revenue Notes:	Not Used by Minnesota Revenue								

Penalty									(Not Used)
Tax Information and Amount Segment									**Pos. No. 1800**
Element ID	Elem Ref #	Sub-Ele Ref #	Field Status	Field Name	Field Type	Length Min	Max	Field Description	
TIA01	C037	817	M	Tax Information ID Number	AN	4	4	"5009" = Penalty	
TIA02	782		X	Monetary Amount	R	1	15	Dollar Amount	
TIA~5009~250\									
Syntax Notes:	TIA02 is required								
FTA Notes:	None								
Minnesota Revenue Notes:	Not Used by Minnesota Revenue								

End of FGS loop (Summary Data)
End of TFS loop (Summary Information)

End Transaction Set Header

This TFS loop begins the schedule detail. It repeats when one of the following values change:
Tax Form Code, Schedule Code, Mode Code, Product Code, Origin, Position Holder,
Seller, Consignor, Carrier, Buyer, Consignee or Destination

Schedule Information

Beginning of Schedules
Tax Form Segment

(Required)
Pos. No. 0100

Element ID	Elem Ref #	Sub-Ele Ref #	Field Status	Field Name	Field Type	Length Min	Max	Field Description
TFS01	128		M	Reference Identification Qualifier	ID	2	2	"T3" = Tax Schedule Code
TFS02	127		M	Reference Identification	AN	1	6	Appendix E – Schedules of Receipts and Disbursements
TFS03	128		X	Reference Identification Qualifier	ID	2	2	"PG" = Product Group
TFS04	127		X	Reference Identification	AN	3	3	Product Code See Product Codes in Appendix B
TFS05	66		X	Identification Code Qualifier	ID	2	2	"94" = Mode
TFS06	67		X	Identification Code	AN	2	2	Transaction Type Mode Code See Mode Code list in Appendix C

**TFS~T3~2A~PG~065~94~J **

Syntax Notes:	None
FTA Notes:	If either TFS03 or TFS04 is present, then the other is required. If either TFS05 or TFS06 is present, then the other is required.
Minnesota Revenue Notes:	If Mode Code has only one character ("J"), add a blank space to the end ("J ")

~~**Relationship to the Transaction Information**~~
~~**Reference Segment**~~

~~**(Not Used)**~~
~~**Pos. No. 0200**~~

~~Element ID~~	~~Elem Ref #~~	~~Sub-Ele Ref #~~	~~Field Status~~	~~Field Name~~	~~Field Type~~	~~Length Min~~	~~Max~~	~~Field Description~~
~~REF01~~	~~128~~		~~M~~	~~Reference Identification Qualifier~~	~~ID~~	~~2~~	~~2~~	~~"SU" = Special Processing~~
~~REF02~~	~~127~~			~~Reference Identification~~	~~AN~~	~~3~~	~~3~~	~~IRS = IRS Data N/A = If not applicable to the IRS~~
~~REF03 Not used~~								
~~REF04~~	~~C040~~	~~128~~	~~M~~	~~Reference Identification Qualifier~~	~~ID~~	~~2~~	~~2~~	~~"S0" = Special Approval (S Zero)~~
~~REF05~~	~~C040~~	~~127~~	~~M~~	~~Reference Identification~~	~~AN~~	~~2~~	~~2~~	~~State Abbriviation for the state which it belongs to~~
~~REF06~~	~~C040~~	~~128~~	~~X~~	~~Reference Identification Qualifier~~	~~ID~~	~~2~~	~~2~~	~~"S0" = Special Approval (S Zero)~~
~~REF07~~	~~C040~~	~~127~~	~~X~~	~~Reference Identification~~	~~AN~~	~~2~~	~~2~~	~~State Abbriviation for the state which it belongs to~~

~~**REF~SU~IRS~~~S0^MT**~~

~~Syntax Notes:~~	~~REF02 is required~~
~~FTA Notes:~~	~~REF02, REF05 and REF07 represent the taxing authorities and their relationship to the information in this TFS loop. REF05 – REF07 use the sub-element separator~~
~~Minnesota Revenue Notes:~~	~~Not Used by Minnesota Revenue~~

| Sequence Error ID Number | | | | | | | | (Not Used) |
Reference Number Segment								Pos. No. 0200
Element ID	Elem Ref #	Sub-Ele Ref #	Field Status	Field Name	Field Type	Length		Field Description
						Min	Max	
REF01	128		M	Reference Identification Qualifier	ID	2	2	"06" = Sequence Error ID Number
REF02	127		X	Reference Identification	AN	1	9	Sequence Number
REF~55~0001234\								
Syntax Notes:		REF02 is required.						
FTA Notes:		None						
Minnesota Revenue Notes:		Not Used by Minnesota Revenue						

Option 1

| Point of Origin | | | | | | | | (One of the three options is required) |
Name Segment 1								Pos. No. 0500
Element ID	Elem Ref #	Sub-Ele Ref #	Field Status	Field Name	Field Type	Length		Field Description
						Min	Max	
N101	98		M	Entity Identification Code	ID	2	2	"OT" = Origin Terminal
N102 is not used								
N103	66		X	Identification Code Qualifier	ID	2	2	"TC" = IRS Terminal Code
N104	67		X	Identification Code	AN	9	9	IRS Terminal Code Appendix D
N1~OT~~TC~T41MN0001\								
Syntax Notes:		N103 and N104 are required						
FTA Notes:		None						
Minnesota Revenue Notes:		None						

Option 2

| Point of Origin | | | | | | | | (One of the three options is required) |
Name Segment 1								Pos. No. 0500
Element ID	Elem Ref #	Sub-Ele Ref #	Field Status	Field Name	Field Type	Length		Field Description
						Min	Max	
N101	98		M	Entity Identification Code	ID	2	2	"SF"=Ship From
N102	93		X	Name	ID	2	2	Origin State Abbreviation
N1~SF~SD\								
Syntax Notes:		N102 is required						
FTA Notes:		None						
Minnesota Revenue Notes:		None						

Option 3

| Point of Origin | | | | | | | | (One of the three options is required) |
Name Segment 1								Pos. No. 0500
Element ID	Elem Ref #	Sub-Ele Ref #	Field Status	Field Name	Field Type	Length		Field Description
						Min	Max	
N101	98		M	Entity Identification Code	ID	2	2	"WO" = Storage Facility at Origin
N102 is not used								
N103	66		X	Identification Code Qualifier	ID	2	2	"FA" = Facility Identification
N104	67		X	Identification Code	AN	2	20	Facility's (taxpayer's) FEIN
N1~WO~~FA~419876543\								
Syntax Notes:		N103 and N104 are required						
FTA Notes:		None						
Minnesota Revenue Notes:		None						

Point of Origin Name Segment 1								Pos. No. 0500	
Element ID	Elem Ref #	Sub-Ele Ref #	Field Status	Field Name	Field Type	Length		Field Description	
						Min	Max		
N401	19		O	City Name	AN	2	30	Name of City	
N402	156		O	State code or Province	ID	2	2	State of Province Abbreviation	
N403	116		O	Postal (Zip) Code	ID	3	11	Zip Code, Zip Plus 4 Code or Foreign Postal Code	
N404	26		O	Country	ID	2	3	Country Abbreviation (United States = USA)	
N405	309		X	Location Qualifier	ID	1	2	"CY" = County	
N406	310		O	Location Identifier	AN	1	5	County	
N4~Billings~MT~59401-2222~USA~CY~Mower\									
Syntax Notes:			None						
FTA Notes:			N404 through N406 are optional. N406 is based on the federal county codes (see: www.itl.nist.gov/fipspubs/co-codes/state.htm) N405 and N406 are not in the IRS 4030 map						
Minnesota Revenue Notes:			None						

Seller/Supplier Information Name Segment 2								Pos. No. 0500	
Element ID	Elem Ref #	Sub-Ele Ref #	Field Status	Field Name	Field Type	Length		Field Description	
						Min	Max		
N101	98		M	Entity Identification Code	ID	2	2	"SE" = Selling Party	
N102	93		X	Name	AN	1	35	Seller's Name	
N103	66		X	Identification Code Qualifier	ID	2	2	"24" = FEIN "34" = SSN "50" = BN – Canadian Business Number	
N104	67		X	Identification Code	AN	9	18	Seller's FEIN, SSN, or BN	
N1~SE~Fuel Inc~24~419999999\									
Syntax Notes:			At least one of N102 and N103 are required. If either N103 or N104 is present, the the other is required						
FTA Notes:			N102, N103, N104 are required						
Minnesota Revenue Notes:			None						

Position Holder Information Name Segment 3								Pos. No. 0500	
Element ID	Elem Ref #	Sub-Ele Ref #	Field Status	Field Name	Field Type	Length		Field Description	
						Min	Max		
N101	98		M	Entity Identification Code	ID	2	2	"ON" = Position Holder	
N102	93		X	Name	AN	1	35	Position Holder's Name	
N103	66		X	Identification Code Qualifier	ID	2	2	"24" = FEIN "34" = SSN "50" = BN – Canadian Business Number	
N104	67		X	Identification Code	AN	9	18	Position Holder's FEIN, SSN, or BN	
N1~ON~Fuel Inc~24~419999999\									
Syntax Notes:			At least one of N102 and N103 are required. If either N103 or N104 is present, the the other is required						
FTA Notes:			If reporting position holder or 2-party exchange information this segment is required. For 2-party exchanges this segment defines the party of origin. N102, N103, N104 are required.						
Minnesota Revenue Notes:			None						

Receiving Exchange Party Information Name Segment 4								(Not Used) Pos. No. 0500
Element ID	Elem Ref #	Sub-Ele Ref #	Field Status	Field Name	Field Type	Length		Field Description
						Min	Max	
N101	98		M	Entity Identification Code	ID	2	2	"EC" = Exchanger
N102	93		X	Name	AN	1	35	Exchange Party Name
N103	66		X	Identification Code Qualifier	ID	2	2	"24" = FEIN "34" = SSN "50" = BN – Canadian Business Number
N104	67		X	Identification Code	AN	9	18	Exchanger's FEIN, SSN, or BN
N1~EC~Fuel Trucking Inc~24~419999999								
Syntax Notes:			**At least one of N102 and N103 are required.** **If either N103 or N104 is present, the the other is required**					
FTA Notes:			**N102, N103, N104 are required.**					
Minnesota Revenue Notes:			**Not Used by Minnesota Revenue**					

Person Hiring Carrier (Consignor) Name Segment 5								(Not Used) Pos. No. 0500
Element ID	Elem Ref #	Sub-Ele Ref #	Field Status	Field Name	Field Type	Length		Field Description
						Min	Max	
N101	98		M	Entity Identification Code	ID	2	2	"CI" = Consignor Name
N102	93		X	Name	AN	1	35	Consignor Name
N103	66		X	Identification Code Qualifier	ID	2	2	"24" = FEIN "34" = SSN "50" = BN – Canadian Business Number
N104	67		X	Identification Code	AN	9	18	Consignor's FEIN, SSN, or BN
N1~CI~Fuel Trucking Inc~24~419999999								
Syntax Notes:			**At least one of N102 and N103 are required.** **If either N103 or N104 is present, the the other is required**					
FTA Notes:			**N102, N103, N104 are required.**					
Minnesota Revenue Notes:			**None**					

Carrier Information Name Segment 6								Pos. No. 0500
Element ID	Elem Ref #	Sub-Ele Ref #	Field Status	Field Name	Field Type	Length		Field Description
						Min	Max	
N101	98		M	Entity Identification Code	ID	2	2	"CA" = Carrier Name
N102	93		X	Name	AN	1	35	Carrier's Name
N103	66		X	Identification Code Qualifier	ID	2	2	"24" = FEIN "34" = SSN "50" = BN – Canadian Business Number
N104	67		X	Identification Code	AN	9	18	Carrier's FEIN, SSN, or BN
N1~CA~Fuel Trucking Inc~24~419999999								
Syntax Notes:			**At least one of N102 and N103 are required.** **If either N103 or N104 is present, the the other is required**					
FTA Notes:			**N102, N103, N104 are required.**					
Minnesota Revenue Notes:			**None**					

Distributor/Buyer/Consignee Information Name Segment 7								Pos. No. 0500
Element ID	Elem Ref #	Sub-Ele Ref #	Field Status	Field Name	Field Type	Length Min	Max	Field Description
N101	98		M	Entity Identification Code	ID	2	2	"BY" = Buying Party (Distributor)
N102	93		X	Name	AN	1	35	Distributor's Name
N103	66		X	Identification Code Qualifier	ID	2	2	"24" = FEIN "34" = SSN "50" = BN – Canadian Business Number
N104	67		X	Identification Code	AN	9	18	Distributor's FEIN, SSN, or BN
N1~BY~Fuel Trucking Inc~24~419999999								
Syntax Notes:			**At least one of N102 and N103 are required.** **If either N103 or N104 is present, the the other is required**					
FTA Notes:			**N102, N103, N104 are required.**					
Minnesota Revenue Notes:			**The "buyer" is the equivalent to the "Distributor"**					

Point of Destination Name Segment 8								(Required) Pos. No. 0500
Element ID	Elem Ref #	Sub-Ele Ref #	Field Status	Field Name	Field Type	Length Min	Max	Field Description
N101	98		M	Entity Identification Code	ID	2	2	"ST" = Ship to
N102	93		X	Name	AN	1	35	Destination State Abbreviation Appendix A
N1~ST~MN								
Syntax Notes:			**N102 is required**					
FTA Notes:			**None**					
Minnesota Revenue Notes:			**None**					

This FGS loop begins the individual shipments within the TFS loop. It is repeated when one of the following values changes :
- **Bill of Lading Number**
- **Bill of Lading Date**
- **Gallons**

Element ID	Elem Ref #	Sub-Ele Ref #	Field Status	Field Name	Field Type	Length Min	Max	Field Description
Bill of Lading **Forms Group Segment**								**(Required)** **Pos. No. 1000**
FGS01	350		M	Assigned Identifications	AN	1	1	"D" = Schedule Detail
FGS02	128		X	Reference Identification Qualifier	ID	2	2	"BM = Bill of Lading Number
FGS03	127		X	Reference Identification	AN	1	15	Bill of Lading Number
FGS~D~BM~00123456								
Syntax Notes:			**If either FGS02 or FGS03 is present, then the other is required.**					
FTA Notes:			None					
Minnesota Revenue Notes:			None					

Element ID	Elem Ref #	Sub-Ele Ref #	Field Status	Field Name	Field Type	Length Min	Max	Field Description
Bill of Lading Date **Date/Time Reference Segment**								**(Required)** **Pos. No. 1200**
DTM01	374		M	Date/Time Qualifier	ID	3	3	"095" = Bill of Lading Date
DTM02	373		X	Date	DT	8	8	Bill of Lading Date (CCYYMMDD)
DTM~095~20041031								
Syntax Notes:			**N102 is required**					
FTA Notes:			None					
Minnesota Revenue Notes:			None					

Element ID	Elem Ref #	Sub-Ele Ref #	Field Status	Field Name	Field Type	Length Min	Max	Field Description
Bill of Lading Net **Tax Information and Amount Segment**								**(Required)** **Pos. No. 1800**
TIA01	C037	817	M	Tax Information ID Number	AN	4	4	"5005" = NET
TIA02 and TIA03 are not used								
TIA04	380		X	Quantity	R	1	15	Quantity
TIA05	C001	255	M	Unit of Measurement	ID	2	2	"GA" = Gallons
TIA~5005~~~8000~GA								
Syntax Notes:			**TIA04 and TIA05 are required**					
FTA Notes:			**Numbers should be reported as positive for both disbursements and receipts**					
Minnesota Revenue Notes:			None					

Element ID	Elem Ref #	Sub-Ele Ref #	Field Status	Field Name	Field Type	Length Min	Max	Field Description
Bill of Lading Gross **Tax Information and Amount Segment**								**(Required)** **Pos. No. 1800**
TIA01	C037	817	M	Tax Information ID Number	AN	4	4	"5006" = Gross
TIA02 and TIA03 are not used								
TIA04	380		X	Quantity	R	1	15	Quantity
TIA05	C001	255	M	Unit of Measurement	ID	2	2	"GA" = Gallons
TIA~5006~~~8000~GA								
Syntax Notes:			**TIA04 and TIA05 are required**					
FTA Notes:			**Numbers should be reported as positive for both disbursements and receipts**					
Minnesota Revenue Notes:			None					

END of FGS loop for individual shipments.
END of TFS loop for Schedule.

Transaction Set Trailer Description

Element ID	Elem Ref #	Sub-Ele Ref #	Field Status	Field Name	Field Type	Length Min	Max	Field Description
End of Transaction Set **Trailer Segment**								**(Required)** **Pos. No. 0100**
SE01	96		M	Number of Included Segments	N0	1	9	Number of segments (inserted by translator)
SE02	329		M	Transaction Set Control Number	AN	4	9	Determined by Filer (same value in ST02, unique control number)
SE~156~10001								
Syntax Notes:			**N102 is required**					
FTA Notes:			**None**					
Minnesota Revenue Notes:			**None**					

Appendix A - USA States, Canadian Provinces/Territories and Mexican State Abbreviations

USA (US) State	Abbreviation	Canadian (CA) Province/Territory	Abbreviation
Alabama	AL	Alberta	AB
Alaska	AK	British Columbia	BC
Arizona	AZ	Manitoba	MB
Arkansas	AR	New Brunswick	NB
California	CA	Newfoundland	NF
Colorado	CO	Northwest Territory	NT
Connecticut	CT	Nova Scotia	NS
Delaware	DE	Nunavut	NU
District of Columbia	DC	Ontario	ON
Florida	FL	Prince Edward Island	PE
Georgia	GA	Quebec	QC
Hawaii	HI	Saskatchewan	SK
Idaho	ID	Yukon Territory	YT
Illinois	IL		
Indiana	IN	Mexican (MX) State	Abbreviation
Iowa	IA	Aguascalientes	AG
Kansas	KS	Baja California	BJ
Kentucky	KY	Baja California Sur	BS
Louisiana	LA	Campeche	CP
Maine	ME	Chiapas	CH
Maryland	MD	Chihuahua	CI
Massachusetts	MA	Coahuila	CU
Michigan	MI	Colima	CL
Minnesota	MN	Distrito Federal	DF
Mississippi	MS	Durango	DG
Missouri	MO	Guanajuato	GJ
Montana	MT	Guerrero	GR
Nebraska	NE	Hidalgo	HG
Nevada	NV	Jalisco	JA
New Hampshire	NH	Mexico	EM
New Jersey	NJ	Michoacan	MH
New Mexico	NM	Morelos	MR
New York	NY	Nayarit	NA
North Carolina	NC	Nuevo Leon	NL
North Dakota	ND	Oaxaca	OA
Ohio	OH	Puebla	PU
Oklahoma	OK	Queretaro	QA
Oregon	OR	Quintana Roo	QR
Pennsylvania	PA	San Luis Potosi	SL
Rhode Island	RI	Sinaloa	SI
South Carolina	SC	Sonora	SO
South Dakota	SD	Tabasco	TA
Tennessee	TN	Tamaulipas	TM
Texas	TX	Tlaxcala	TL
Utah	UT	Veracruz	VZ
Vermont	VT	Yucatan	YC
Virginia	VA	Zacatecas	ZT
Washington	WA		
West Virginia	WV		
Wisconsin	WI		
Wyoming	WY		

Appendix B - Transaction Type Mode Codes

Transaction Type Mode Codes	
Code	**Description**
J_	Truck
R_	Rail
B_	Barge
S_	Ship
PL	Pipeline
GS	Gas Station
BA	Book Adjustment
ST	Stationary Transfer
CE	Summary Information
RT	Removal from Terminal (other than by truck or Rail) for sale or consumption

The "_" in the code table represents a space. The X.12 standard requires 2 characters in the field using this code.

Appendix C - Summary Codes / TIA Codes

Summary Codes/TIA combinations

Field Description	Summary Codes	TIA Code	Units
Currently not used by Minnesota Revenue			

FTA Uniformity TIA Codes

The data represented by these TIA codes is not derivable from schedules or represents a check value.		
5000	Version of taxing authority's implementation guide	Header
5001	Total Net Reported	Header
5002	Net Physical Inventory	TOR, SSU, SIR, SER, CCR
5003	Total Due	SSU, SIR, SER
5004	Total Net Transported	CCR
5005	Net	SCH, SUM
5006	Gross	SCH, SUM
5007	Billed	SCH, SUM
5008	Interest	SUM
5009	Penalty	SUM
5010	Confidential Information	Header, 826
5011-5199	**Not used**	

Appendix D - Product Codes

Description	Codes
Alcohol	123
Methanol	243
Gasoline	
Gasoline (non-oxy and racing)	065
Gasohol	124
E85	079
Aviation Gasoline	125
Diesel Fuel - undyed	160
Biodiesel- Undyed (B100)	284
Kerosene - undyed	142
Jet Fuel	130
Diesel Fuel - dye added	228
Diesel Fuel #4,#5,#6 - dye added	153
Kerosene - dye added	072
Biodiesel Dyed (B100)	290
Compressed Natural Gas (CNG)	224
Liquid Natural Gas (LNG)	225
Propane (LPG)	054
Waste Oil	091

Appendix E - Minnesota Schedule Code List

Schedules of Receipts

2   **Gallons received from motor fuel licensee tax unpaid.**
2A   Gallons received from Minnesota terminals, refineries, origin tax-unpaid.
2C   Gallons received imported, tax-unpaid.

Schedules of Disbursements

5   **Gallons delivered tax collected.**
5A   Sales of jet fuel sold to non-licensed distributors, retailers or bulk end users.
5F   Taxable sales of dyed diesel or dyed kerosene.
5Q   Taxable sales of alternative fuels (LPG, CNG, LNG, E85) summary per product.
5PI   Qualifying service station credit - Iowa
5PN   Qualifying service station credit - North Dakota
5PS   Qualifying service Station credit - South Dakota
5XA   Gallons sold to airport partially taxed

7   **Gallons Exported.**
7D   Tank Wagon sales for export

8   **Gallons delivered to US Government – tax exempt.**
8R   Gallons sold to U.S. Government tax-exempt from refinery.

10   **Gallons delivered to other tax exempt entities.**
10G   Special Fuel sold for residential heating.

13   **Schedule of Credits and Refunds.**
13A   Transport loads sold for export
13C   Sales to the United States Government from tax paid stock
13D   Bulk gasoline sales to farmers from tax paid stock.

15   **Terminal.**
15B   Terminal Disbursements.

Appendix F - Tax Form Definitions

PDA 46

Gallons received tax unpaid

Form	Line	Column	Sub-Schedule	Product Codes	Schedule Code	Description
PDA 46	1	1	PDA 56	065, 079, 123, 124, 125, 243	2A	Gallons received from terminals, refineries or distributors, origin tax unpaid
PDA 46	1	2	PDA 56	All Others (Except: 224, 225, 054)	2A	Gallons received from terminals, refineries or distributors, origin tax unpaid
PDA 46	2	1	PDA 56	065, 079, 123, 124, 125, 243	2C	Gallons received imported, tax unpaid
PDA 46	2	2	PDA 56	All Others (Except: 224, 225, 054)	2C	Gallons received imported, tax unpaid

Gallons Exported

Form	Line	Column	Sub-Schedule	Product Codes	Schedule Code	Description
PDA 46	4	1	PDA 56	065, 079, 123, 124, 125, 243	7D, 13A	Gallons sold for export, originating state tax-paid
PDA 46	4	2	PDA 56	All Others (Except: 224, 225, 054)	7D, 13A	Gallons sold for export, originating state tax-paid

Gallons delivered to US Government – tax exempt

Form	Line	Column	Sub-Schedule	Product Codes	Schedule Code	Description
PDA 46	6	1	PDA 46F	065, 079, 123, 124, 125, 243	8R	Gallons sold to US Government tax-exempt from refinery or terminal

Schedules of Credits and Refunds

Form	Line	Column	Sub-Schedule	Product Codes	Schedule Code	Description
PDA 46	10	1	PDA 46E	065, 079, 123, 124, 125, 243	13C	Tax-paid fuel sold to the US Government
PDA 46	11	1	PDA 46H	065, 079, 123, 124, 125, 243	13D	Tax-paid fuel sold for use on farm

Adjustments

Form	Line	Column	Sub-Schedule	Product Codes	Schedule Code	Description
PDA 46	17a	NA	PDA 56	125	2A, 2C, 7D, 13A	Product Code driven.
PDA 46	17a	NA	PDA 56	065	5XA	Product Code driven.
PDA 46	17b	NA	PDA 56	065, 123, 124	5PI, 5PN, 5PS	Product Code driven.
PDA 46	17c	NA	PDA 56	079	2A, 2C, 7D, 13A	Product Code driven.
PDA 46	17c	NA	PDA 56	079	5Q	Blended and then later disbursed

PDA 49

Gallons received tax unpaid						
Form	**Line**	**Column**	**Sub-Schedule**	**Product Codes**	**Schedule Code**	**Description**
PDA 49	1	NA	PDA 56 Col. G	142, 160, 284, 091	2A	Gallons received from terminals, refineries or distributors, origin tax unpaid
PDA 49	1	NA	PDA 56 Col. G	142, 160, 284, 091	2C	Gallons received imported, tax unpaid

Gallons Delivered tax collected						
Form	**Line**	**Column**	**Sub-Schedule**	**Product Codes**	**Schedule Code**	**Description**
PDA 49	2	NA	PDA 49G	072, 290, 153, 228	5F	Dyed diesel gallons sold for taxable purposes from in-state terminals

Gallons Delivered tax collected						
Form	**Line**	**Column**	**Sub-Schedule**	**Product Codes**	**Schedule Code**	**Description**
PDA 49	3	NA	PDA 49J	130	5A	Gallons sold to non-licensed distributors, retailers or bulk-end users from in-state terminals

Schedule of Credits and Refunds						
Form	**Line**	**Column**	**Sub-Schedule**	**Product Codes**	**Schedule Code**	**Description**
PDA 49	5	A	PDA 49B	130	7D, 13A	Tax-paid fuel export
PDA 49	5	A	PDA 49B	130	13C	Tax-paid fuel sold to the United States Government
PDA 49	5	B	PDA 49B	142, 160, 284, 091	7D, 13A	Tax-paid fuel export
PDA 49	5	B	PDA 49B	142, 160, 284, 091	13C	Tax-paid fuel sold to the United States Government
PDA 49	5	B	PDA 49B	142, 160, 284, 091	10G	Gallons of other authorized tax-exempt sales *Residential heating use

OTHER						
Form	**Line**	**Column**	**Sub-Schedule**	**Product Codes**	**Schedule Code**	**Description**
PDA 49	11	A	PDA-1AV	NA	NA	Until further notice, the PDA-1AV schedule must be mailed into Minnesota Revenue, Petroleum Division
PDA 49	12	B	PDA-46Q	160 284	5PI 5PN 5PS	Product Code driven

PAF 1

Form	Line	Column	Sub-Schedule	Product Codes	Schedule Code	Description
Gallons delivered tax collected						
PAF 1	1	A	NA	054	5Q	Gallons used on which tax was remitted *used as motor fuel
PAF 1	2	A	NA	224	5Q	Cubic feet used on which tax was remitted *used as motor fuel
PAF 1	3	A	NA	225	5Q	Gallons used on which tax was remitted *used as motor fuel

Form	Line	Column	Sub-Schedule	Product Codes	Schedule Code	Description
Terminals						
NA	NA	NA	NA	All	15B	Terminal Disbursements

Appendix G – Terminal Codes

Minnesota Terminal Codes

Terminal ID#	Operator	City
T41MN3400	NuStar Pipeline Operating Partnership, L.P. - Moorhead	Moorhead
T41MN3401	NuStar Pipeline Operating Partnership, L.P. - Sauk Centre	Sauk Centre
T41MN3402	Kinder Morgan Liquids Terminals LLC	Spring Valley
T41MN 3403	NuStar Pipeline Operating Partnership, L.P. - Roseville	Roseville
T41MN3404	Western Refining - St. Paul Park	St. Paul Park
T41MN3405	Magellan Pipeline Company, L.P.	Wrenshall
T41MN3406	Newport Terminal Corporation	Newport
T41MN3407	Flint Hills Resources, LP - Pine Bend	St. Paul
T41MN3410	Superior Refining Company LLC	Esko
T41MN3412	Magellan Pipeline Company, L.P.	Alexandria
T41MN3413	Magellan Pipeline Company, L.P.	Mankato
T41MN3414	Magellan Pipeline Company, L.P.	Marshall
T41MN3415	Magellan Pipeline Company, L.P.-Roseville	St Paul
T41MN3416	Magellan Pipeline Company, L.P.-Rochester	Eyota
T41MN3417	BNSF - Northtown	Minneapolis
T41MN3419	Swissport Fueling, Inc	Minneapolis
T41MN3420	Signature Flight Support Corp.	Minneapolis
T41MN3426	NGL Supply Terminal Company, LLC	Rosemount
T41MN3800	REG Albert Lea	Glenville
T41MN3801	Minnesota Soybean Processors	Brewster
T41MN3802	EverCat Fuels	Isanti
T41MN3803	Al-Corn Clean Fuel	Claremont
T41MN3804	Archer Daniels Midland	Marshall
T41MN3805	BioFuels Energy-Buffalo Lake Energy, LLC	Fairmont
T41MN3806	Bushmills Ethanol, Inc	Atwater
T41MN3807	Central MN Ethanol Coop	Little Falls
T41MN3808	Chippewa Valley Ethanol Co.	Benson
T41MN3809	Corn Plus, LLP	Winnebago
T41MN3810	DENCO II	Morris
T41MN3811	GEVO	Luverne
T41MN3812	Granite Falls Energy, LLC	Granite Falls
T41MN3813	Green Plains Renewable Energy	Fergus Falls
T41MN3814	Guardian Energy	Janesville
T41MN3815	Heartland Corn Products	Winthrop
T41MN3816	Heron Lake BioEnergy, LLC	Heron Lake
T41MN3817	Highwater Ethanol LLC	Lamberton
T41MN3818	Land O'Lakes	Melrose
T41MN3819	POET Biorefinering - Bingham Lake	Bingham Lake
T41MN3820	POET Biorefinering - Glenville	Albert Lea
T41MN3821	POET Biorefinering - Lake Crystal	Lake Crystal
T41MN3822	POET Biorefinering - Preston	Preston
T41MN3823	Purified Renewable Energy	Buffalo Lake
T41MN3824	Valero Renewable Fuels	Welcome
T41MN3825	HUGO Railyard transfer station	Hugo
A current list of terminals outside of Minnesota can be found at www.irs.gov/Businesses/Small-Businesses-&-Self-Employed/Terminal-Control-Number-(TCN)-Terminal-Locations-Directory.		

Appendix R – Revisions

5/14/04 – Changed the Report Section to be required
5/20/04 – Added the Distributor to the Consignee segment
5/21/04 – Put a "strikethrough" on segments not used by Minnesota Revenue
- Added 813 Map Flow

6/08/04 – Removed Authorization information from ISA02 and ISA04
6/08/04 – Removed the separation of terminal reporting destinations and distributor reporting destination.
- Updated schedule list in Appendix E

6/14/04 – Removed the reference to the Control Name in the Schedule Section
6/17/04 – Fixed mapping example for ISA section
- GE03 read ST03 (correction made)
- TFS segment: Changed SDI to SDR
  - o Strikethrough REF section in TFS Segment
  - o TFS segment: Changed SDI to SDR
  - o Removed MN Notes from "Total Due/Delivered"

6/29/04 – Added 1 more option to the Point of Origin section in the Schedule segment allowing the taxpayer to handle tax-paid, stock disbursements (sub-jobbers).
7/12/04 – Updated the Minnesota Schedule Code list in Appendix E along with the descriptions. The Form examples were misrepresented.
7/20/04 – Changed and Added additional product codes to the examples in Appendix F (forms PDA 46 and 49. Changed the Schedule code of 7B to 7D in the PDA 46 Example)
8/03/04 – Added to TFS05 code "FW" which represents the taxpayer (distributor) along with TFS06 which allows for the taxpayer's FEIN
- REF01 and REF02 (No Activity) are REQUIRED. Previously it was labeled as Optional.
- Example for Mode Code should have a trailing blank space after "J" for two characters
- N101 (Point of Origin) has two options. One title stated 3 options
- Added a reference to the IRS terminal codes at the IRS website
- Defined GS02 to be the last 7 characters of the MN license ID along with the 3 character location ID

08/20/04 – Removed Schedule Codes 5B, 5C, 6P, 7B and 8A since the are not used my Minnesota Revenue.
10/08/04 – Removed unused Product codes.
10/15/04 – Added Appendix G for Minnesota Terminals.
11/23/04 – Added E85 adjustment example to include 5Q disbursement (if blended and disbursed at a later)
02/02/05 – Clarified that 13A and 7D can BOTH be used on PDA 46 and PDA 49
04/18/05 – Changed Schedule Table Descriptions for 7D, 13A, and 13D. Also, 7D is now Summary.
- Description for 10G should be, "Special Fuel sold for residential heating".

04/29/05 – Added Section "Important Tips" in Chapter One.
-Changed website where IRS Terminal Codes can be found to the Minnesota Revenue website.

02/07/13 – Updated Minnesota Terminal codes on page 5-42 with terminal control numbers for ethanol and biodiesel plants and rail yard terminal locations.
04/01/16 – Added BTI04 code on page 5-14; updated terminal codes on page 5-42.
10/16/18 – Updated Appendix E for codes 5PI, 5PN, 5PS, and 5XA
Updated Appendix F for new codes
Updated Appendix G terminal codes

5/5/20 – Updated Appendix E for codes 5A, 5F, 5Q, and 13D
PAF 1, Line 2 for product code 224, Changed "Gallons" to "Cubic feet"
Updated Appendix G terminal codes

6/1/22 – Updated Appendix F "Adjustments" for form PDA 46 line 17a for schedule codes 7D and 13A, and PDA 46 Line 17c for schedule codes 7D and 13A