

Motor Fuels EDI Implementation Guide

Updated May 2026

ANSI ASC X12 V.4030

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



North Dakota Office of State Tax Commissioner

tax.nd.gov

Table of Contents

Chapter 1 Introduction	1
General Information	1
Advantages	1
Understanding EDI	2
EDI 813 Version	2
EDI File Structure	2
EDI Filing - Reports	3
EDI Timely Filing	3
EDI Filing Procedures	3
FTA Review	4
Chapter 2 - Motor Fuels X12 Data Model	5
Chapter 3 - X12 Attribute and Separator Conventions	6
Chapter 4 - X12 EDI Envelope	7
Envelope Flows	7
Interchange Control Header Description	8
Functional Group Header Description	9
Functional Group Trailer Description	9
Interchange Group Trailer Description	9
Chapter 5 - 813 EDI Combined Reporting	10
ANSI ASC X12 - 813 EDI Standard	10
813 Structure	12
813 Map Flow	13
813 EDI Map	14
Transaction Set Header Description	14
Transaction Set - Terminal Operator Report (TOR)	21
Sequence ID Number Usage	22
Transaction Set - Supplier/Distributor Report (SDR)	24
Summary Information	27
North Dakota Summary Mapping	30
Schedules	32
Transaction Set Trailer Description	39
Appendix A - North Dakota Schedule Codes	40
Appendix B - North Dakota Product Codes	42

Appendix C - Summary Codes / TIA Codes	43
Appendix D - Transaction Type Mode Codes.....	45
Appendix E - United States, Canadian Provinces/Territories, and Mexican States Codes	46
Appendix F - E-File Registration	47
Appendix G - Amended Reports	48
Appendix H - Sample EDI Files	49
Motor Vehicle Fuel Tax Report (SDR).....	49
Motor Vehicle Fuel Tax Report (SDR) - No Activity (Zero Report)	50
Special Fuel Tax Report (SDR).....	51
Liquefied Petroleum Gas Tax Report (SDR).....	53
Aviation Fuel Tax Report (SDR).....	55
Terminal Operator Report (TOR)	57

References

ASC X12

The Accredited Standards Committee
Subcommittee - X12G – Government
Task Group 2 (X12G/TG2)
Tax Information Interchange Development
TIGERS

Web site: www.x12.org

ASC X12 Standards Manual

Publications Manager, Publications Department
Data Interchange Standards Association (DISA)
Note: Standards manual was developed by the DISA;
that organization has since been dissolved.

FTA Uniformity Guide

Motor Fuel Tax Section, Uniformity Project
Federation of Tax Administrators (FTA)
444 N. Capitol St., NW, Washington, DC 20001
Contact: Kevin Richard
Phone: (202) 935-4127
E-mail: kevin.richard@taxadmin.org
Web site: www.taxadmin.org

It is recommended that you refer to the FTA Uniformity Guide to implement the Motor Fuels Uniformity methods.

Chapter 1 - Introduction

The North Dakota Office of State Tax Commissioner has implemented a mandatory electronic filing program. The following reports are included in the new electronic filing program:

- Motor Vehicle Fuel
- Special Fuels
- Liquefied Petroleum Gas
- Aviation Fuel Tax
- Terminal Operators

General Information

Electronic Data Interchange (EDI) is the electronic exchange of business documents from one company's computer to another company's computer in machine-processable formats. The direct, computer-to-computer exchange of business information reduces the expense associated with processing paper (opening envelopes, logging in of documents, etc.) as well as the costs, errors and time delays associated with data entry. Companies in industries of all kinds have found that EDI makes tremendous economic sense. Government agencies, such as the Office of State Tax Commissioner, naturally see the value in reducing the paper-intensive component of motor fuels taxation by implementing EDI.

Advantages

Using EDI will result in a reduction of paperwork and its associated costs.

- EDI will eliminate postal delays and associated late filing penalties.
- Fuel tracking will be computerized, giving the Office of State Tax Commissioner tools to reduce fraud, and therefore giving honest fuel distributors an even playing field.
- Detailed audit trail of the tax report.

This EDI Implementation guide follows version 4030 of the EDI ANSI ASC X12 standards. This guide's purpose is to assist you in implementing and filing EDI for motor fuel reports.

Contact Information

Wholesale & Oil Tax Section – Motor Fuel

Phone: (701) 328-2702
Fax: (701) 328-1950
E-mail: fueltax@nd.gov

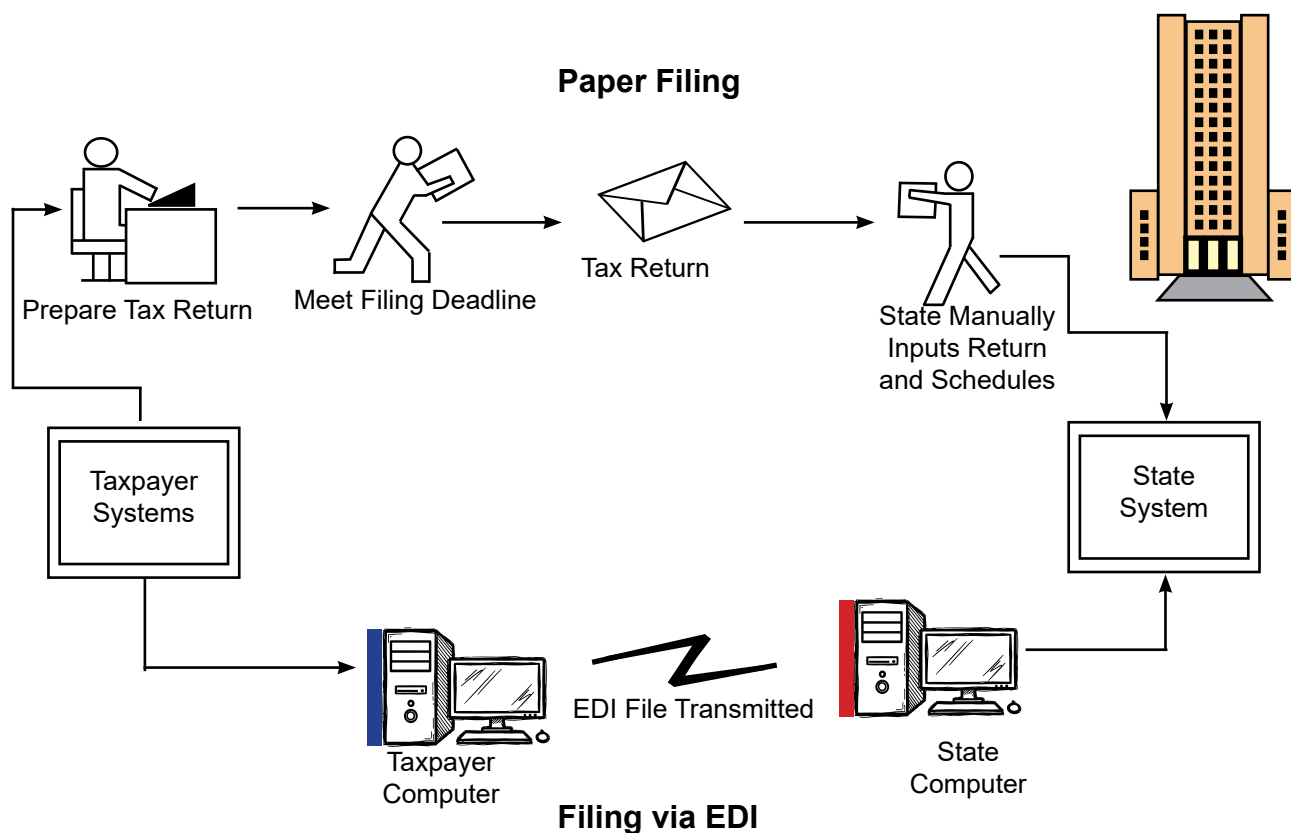
Note: All correspondence should be sent to the following address:

North Dakota Office of State Tax Commissioner
Motor Fuels Tax Section
600 E Boulevard Ave.
Bismarck, ND 58505-0599

Understanding EDI

EDI is used extensively in industry. For example, the retail and manufacturing industries cut purchase orders, send invoices, process shipping notifications, and make payments; all electronically. The time saved and accuracy gained using EDI gives businesses a competitive advantage, reducing lead-time, and vastly reducing data entry errors. It also reduces the need to store reams of paper documents for future reference.

EDI may seem complex, but once the basics are understood, the concept is really quite simple. As stated earlier, EDI is a method to electronically exchange business documents using a standard format. To facilitate this exchange of documents, two things are needed. First, the taxpayer (or trading partner) needs a method to send and receive electronic documents. Second, the taxpayer needs software to translate schedules and tax reports into the standard EDI format.



EDI 813 Version

North Dakota is using the ANSI ASC X12 Version Release 004030 EDI standards for the EDI 813 (Electronic Filing of Tax Return Data) transaction set. Many states have implemented, or are planning on implementing, the EDI 813 for motor fuel tax filing. Previous releases of the EDI 813 transaction set allowed for individual state variations in EDI filing. Version 4030 promotes uniformity in motor fuel tax filing. As states migrate to the 4030 version, filers will be able to create a more generic EDI map, reducing the effort needed to track individual state variations.

EDI File Structure

Each 813 (report) must be submitted with its own ST/SE loop (ST segment through SE segment). Multiple ST/SE loops can be submitted under one ISA envelope or each can be sent under a separate ISA envelope. Please remember, the ISA15 controls the test/production indicator; test and production reports cannot be combined under the same ISA envelope.

EDI Filing - Reports

The following reports may be filed via EDI:

- Special Fuels Tax Report
 - o Special Fuel Schedule of Gallons Received
 - o Special Fuel Schedule of Gallons Disbursed
- Liquefied Petroleum Tax Report
 - o Liquefied Petroleum Schedule of Gallons Received
 - o Liquefied Petroleum Schedule of Gallons Disbursed
- Motor Vehicle Fuel Tax Report
 - o Motor Vehicle Fuel Schedule of Gallons Received
 - o Motor Vehicle Fuel Schedule of Gallons Disbursed
- Aviation Fuel Tax Report
 - o Aviation Fuel Schedule of Gallons Received
 - o Aviation Fuel Schedule of Gallons Disbursed
- Terminal Operator Report
 - o Terminal Operator Schedule of Receipts
 - o Terminal Operator Schedule of Disbursements

EDI Timely Filing

The due date for filing your Motor Fuel Tax Report and Schedules via EDI is on or before the 25th day of the month following the month of activity. This means the EDI filing must be both transmitted and received by the Office of State Tax Commissioner on or before the 25th day of the month.

If a report due date falls on a holiday or weekend, the tax report is due no later than the first business day after the holiday or weekend. Timely reports are based on the date of receipt of the electronic report by the Office of State Tax Commissioner.

HOLIDAY SCHEDULE

New Year's Day	January 1
Martin L. King Day	Third Monday in January
President's Day	Third Monday in February
Memorial Day	Last Monday in May
Independence Day	July 4
Labor Day	First Monday in September
Veteran's Day	November 11
Thanksgiving Day	Fourth Thursday in November
Christmas Day	December 25

NOTE: Office of State Tax Commissioner Holiday - When a legal holiday falls on a Sunday, it will be observed on the following Monday. When a legal holiday falls on a Saturday, it will be observed on the preceding Friday.

EDI Filing Procedures

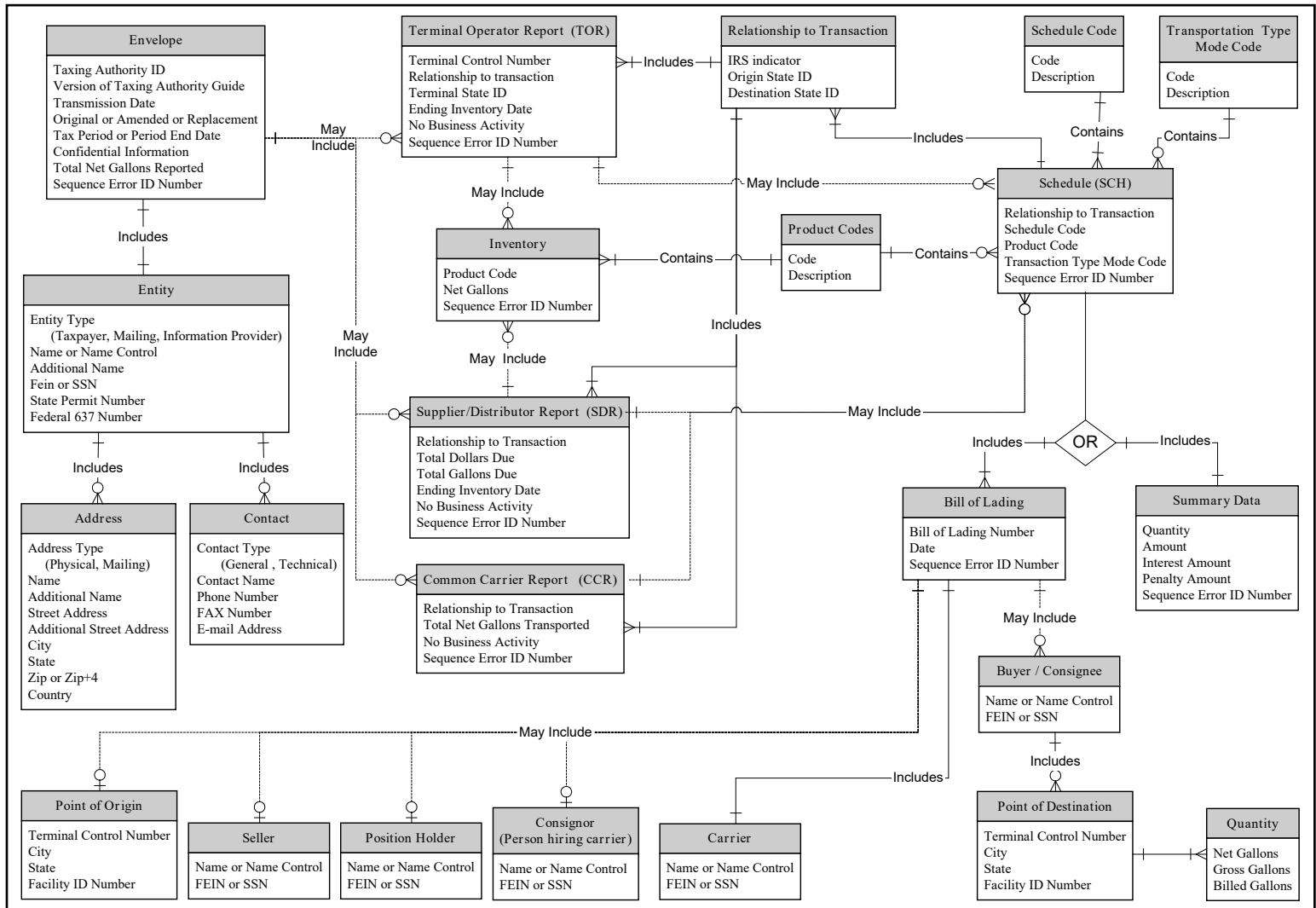
- 1) A Registration Application for Electronic Filing must be submitted to the Office of State Tax Commissioner. The application must be signed by a person authorized to sign the tax reports. This signature is deemed to be the signature on all electronic reports.

- 2) Registration for access to a secure web application for uploading files must be completed. Instructions and access to the secure web application can be found at **tap.tax.nd.gov**. An authorization code to complete the registration process will be issued upon receipt of the Registration Application for Electronic Filing mentioned above.
- 3) A required testing process must be completed prior to submitting production files. Testing must be conducted for each report that you are required to submit (i.e., Motor Vehicle Fuels, Special Fuels, Aviation Fuels, LPG, and Terminal Operator). After completing the testing phase, you will be notified that you have been approved to file EDI production files.
- 4) To begin production reporting you will be required to change the ISA15 Test/Production indicator flag from T to P.
- 5) Use a file naming convention of your preference which will help you identify your EDI file stored for your records. When uploading a file to the secure web application, a confirmation number and file name message will be made available for you to print or record. The file name provided will be the naming convention assigned to the file by our office upon receipt by the secure web application based on reported information in the file.
- 6) Files uploaded to the secure web application are time stamped with the date and time of day. This time stamp is used by the processing database to determine if the reports were timely filed. Reports can be submitted 24 hours a day and will be timely if filed by midnight on the due date.
- 7) Payment for the tax can be made by check or by ACH Credit. A voucher must be submitted with a payment by check. Payment for multiple reports may be submitted on one check or multiple checks, however, a voucher must be submitted for each report. Vouchers are available at **tap.tax.nd.gov**. ACH Credit instructions and information are available at **www.tax.nd.gov/motor-fuel-tax**.
- 8) Whenever you make a significant change to your program, you should run another test with us to ensure accuracy and reliability.

FTA Review

This guide was submitted to the FTA Uniformity Committee for approval and was found to be substantially compliant. The guide is compliant with FTA standards; with the exception of requiring a two-digit suffix on the FEIN reported in schedule detail.

Chapter 2 - Motor Fuels X12 Data Model



Chapter 3 - 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 non-space 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 A data element within a segment may have a designator (Z) that indicates the existence of a semantic note. Semantic notes are considered part of the standard. If a condition designator and a semantic note both affect a single data element, the condition will appear first, separated from the semantic note designator by a vertical bar (). The number 00 to the left of the comment identifies semantic notes that are general in nature.

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 4 - X12 EDI Envelope

Envelope Flows

```

- ISA  Interchange Control Header-----
  - GS  Functional Group Header -----
    -820 Transaction Set (ACH Payment)-----Max 1
      820 details are defined in this guide.
  - GE  Functional Group Trailer -----
  - GS  Functional Group Header -----
    -813 Transaction Set (Combined Reporting)-----Max >1
      813 details are defined in this guide.
  - GE  Functional Group Trailer -----
- IEA  Interchange Control Trailer-----

```

```

- ISA  Interchange Control Header-----
  - GS  Functional Group Header -----
    -826 Transaction Set (Tax Information Exchange)-----Max 1
      826 details are defined in this guide.
  - GE  Functional Group Trailer -----
- IEA  Interchange Control Trailer-----

```

```

- ISA  Interchange Control Header-----
  - GS  Functional Group Header -----
    -151 Transaction Set (Electronic Filing of Tax Return Data Acknowledgement)-----Max 1
      151 details are defined in this guide.
  - GE  Functional Group Trailer -----
- IEA  Interchange Control Trailer-----

```

```

- ISA  Interchange Control Header-----
  - GS  Functional Group Header -----
    -997 Transaction Set (Functional Acknowledgement)-----Max 1
      997 details are defined in this guide.
  - GE  Functional Group Trailer -----
- IEA  Interchange Control Trailer-----

```

Key:

Not used:

Not Used: No data to transmit.

Syntax Notes:

Note: Notes defined by X12 Standards.

FTA Notes:

Note: Notes defined by FTA Uniformity.

ND Notes:

Note: Notes defined by the North Dakota Office of State Tax Commissioner to further clarify the Department's requirements.

Struck-out Text:

Text, elements, or entire segments that are struck out (**example**) are part of the Uniform map, but are not used by North Dakota**Interchange Control Header Description**

Interchange 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)
ISA02	I02		M	Authorization Information	AN	10	10	Information used for additional identification or authorization of the interchange sender or the data in the interchange. Enter 10 spaces.
ISA03	I03		M	Security Information Qualifier	ID	2	2	"00" = No Security Information Present (No Meaningful Information in ISA04)
ISA04	I04		M	Security Information	AN	10	10	This is used for identifying the security information about the interchange sender or the data in the interchange. Enter 10 spaces.
ISA05	I05		M	Interchange ID Qualifier	ID	2	2	"ZZ" = ID qualifier published by the receiver used to designate the receiver ID element being qualified.
ISA06	I06		M	Interchange Sender ID	AN	15	15	Filer FEIN plus two-digit suffix, followed by four spaces.
ISA07	I05		M	Interchange ID Qualifier	ID	2	2	"ZZ" = ID qualifier published by the receiver used to designate the receiver ID element being qualified.
ISA08	I07		M	Interchange Receiver ID	AN	15	15	"ND0" followed by 12 spaces.
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	"I" = EBCDIC - 4F HEX ASCII - 7C HEX
ISA12	I11		M	Interchange Control Version Number	ID	5	5	""00403"
ISA13	I12		M	Interchange Control Number	N0	9	9	The interchange control number uniquely identifies the interchange data to the sender. The sender assigns this number.
ISA14	I13		M	Acknowledgment	ID	1	1	"0" = No 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~12345678970 ~ZZ~ND0 ~080225~0835~ ~00403~000000001~0~T~^\\								
Syntax Notes:		None.						
FTA Notes:		ISA09 does not include the century based on the ANSI ASC X12 Standard.						
ND Notes:		ISA08 is formatted as ND0 (zero).						

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 "FA" for 997 Transaction Set
GS02	142		M	Application Sender's Code	AN	2	15	Code identifying party sending transmission. Code assigned by sender and agreed to by trading partner. Filer FEIN plus two-digit suffix.
GS03	124		M	Application Receiver's Code	AN	2	15	Code identifying party receiving transmission. Code assigned by receiver and agreed to by trading partner. 'ND813050CP'
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~12345678970~ND813050CP~20080225~0835~1101~X~004030\								
Syntax Notes: None.								
FTA Notes: None.								

Functional Group Trailer Description

Functional Group Segment								(Required)
Element ID	Elem Ref #	Sub-Ele Ref #	Field Status	Field Name	Field Type	Length (Min)	Length (Max)	Field Description
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.								

Interchange Group Trailer Description

Interchange Segment								(Required)
Element ID	Elem Ref #	Sub-Ele Ref #	Field Status	Field Name	Field Type	Length (Min)	Length (Max)	Field Description
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~1~000000001\								
Syntax Notes: None.								
FTA Notes: None.								

Chapter 5 - 813 EDI Combined Reporting

ANSI ASC X12 - 813 EDI Standard

RELEASE • 004030

TRANSACTION SET TABLES • 813

813 Electronic Filing of Tax Return DataFUNCTIONAL 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	

DECEMBER 1999

1¹ Data Interchange Standards Association, Inc. (DISA)

813 • TRANSACTION SET TABLES

RELEASE • 004030

1400	N2	<u>Additional Name Information</u>	O	2		
1500	IN2	<u>Individual Name Structure Components</u>	O	10		
1600	N3	<u>Address Information</u>	O	2		
1700	N4	<u>Geographic Location</u>	O	1		
LOOP ID - TIA					10000	
N 1800	TIA	<u>Tax Information and Amount</u>	O	1		
1900	DTM	<u>Date/Time Reference</u>	O	10		
2000	MSG	<u>Message Text</u>	O	1000		

Table 3

NOTE	POS.NO.	SEG.ID	NAME	REQ.DES.	MAX USE	LOOP REPEAT
	0100	SE	<u>Transaction Set Trailer</u>	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.

² Data Interchange Standards Association, Inc. (DISA)

813 Structure

Struck-out Text

Text, elements, or entire segments that are struck out (**example**) are part of the Uniform map, but are not used by North Dakota.

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 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

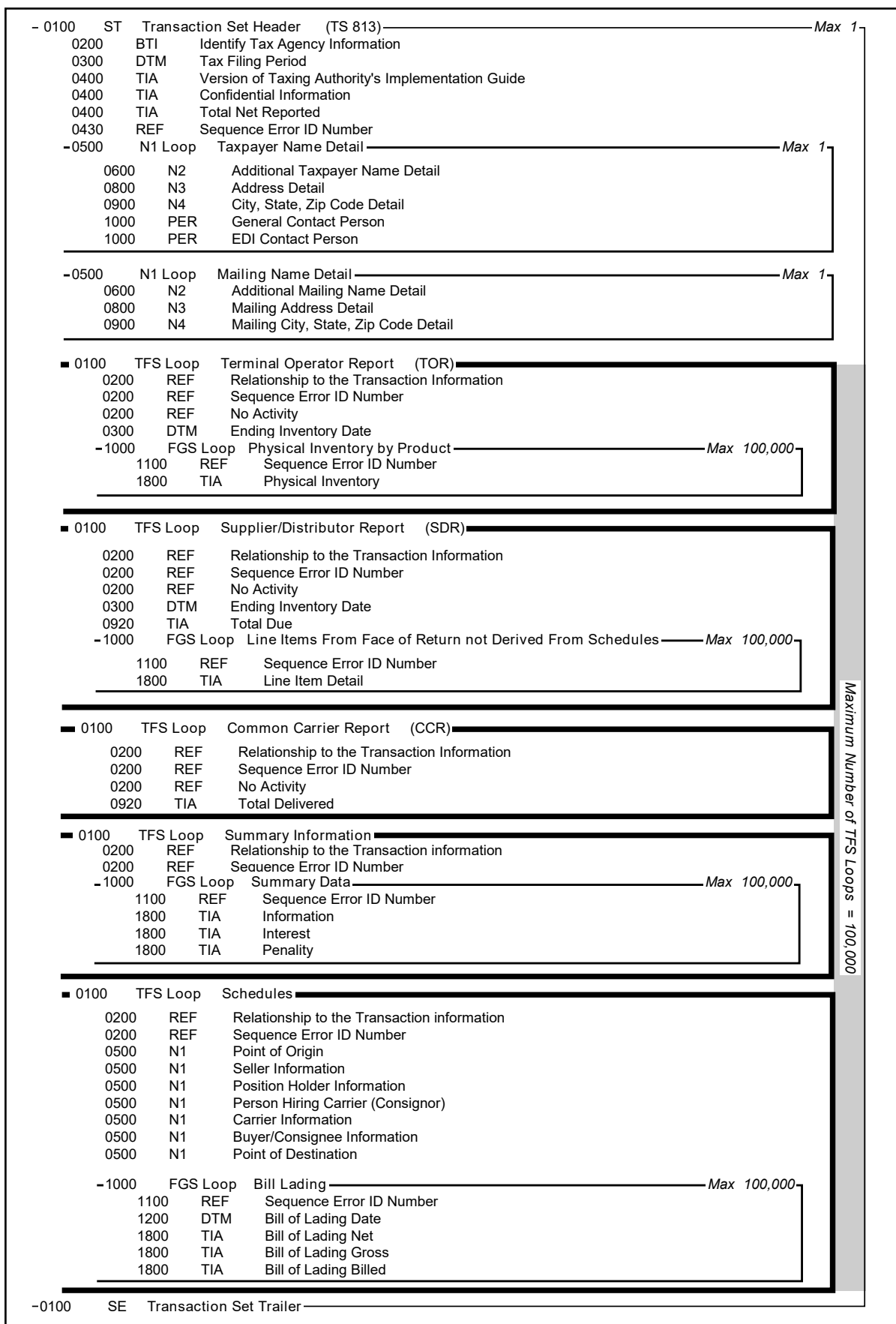
Table 2

Pos No	Uniform 813 Map	TOR	SDR	GGR	SUM	SCH
0100	TFS	Terminal Operator Report	Supplier/Distributor Report	Common Carrier Report	Summary Information	Schedules
0200	REF	Relationship to the Transaction	Relationship to the Transaction	Relationship to the Transaction	Relationship to the Transaction	Relationship to the Transaction
0200	REF	Sequence ID Number	Sequence ID Number	Sequence ID Number	Sequence ID Number	Sequence ID Number
0200	REF	No Activity	No Activity	No Activity		
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 Delivered		
1000	FGS	Physical Inventory by Product	Physical Inventory by Product		Summary Data	Bill of Lading
1100	REF	Sequence ID Number	Sequence ID Number		Sequence ID Number	Sequence 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



813 EDI Map

FTA Motor Fuel Tax Section Uniformity Committee

The Combined Reporting map is based on Uniform Forms adopted by the Uniformity Committee of the Motor Fuel Tax Section of the Federation of Tax Administrators. This Map is consistent with ANSI ASC X12 version 4030 standards. Any taxing authority implementing EC programs is asked to utilize this document when mapping their motor fuel tax returns/reports.

Key:

Not used:	Not Used: No data to transmit.
Syntax Notes:	Note: Notes defined by X12 Standards.
FTA Notes:	Note: Notes defined by FTA Uniformity.
ND Notes:	Note: Notes defined by the North Dakota Office of State Tax Commissioner to further clarify the Department's requirements.
Struck-out Text:	Text, elements, or entire segments that are truck out (example) are part of the Uniform map, but are not used by North Dakota

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 value as SE02)	
ST03	1705		O/Z	Implementation Convention Reference	AN	1	5	Version of Taxing Authority's implementation Guide '1' = North Dakota Version 1	
ST~813~1001~1\									
Syntax Notes:		None.							
FTA Notes:		It is recommended that the 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 sending is using an old guide or the most current guide for the data transmission.							
ND Notes:		North Dakota requires the use of ST03.							

Identify Tax Agency Information Begin Tax Information Segment								(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 Qualifier	ID	2	2	"T6" = Defines as Tax Filing
BTI02	127		M	Reference Number	AN	3	3	Determined by FTA "050" = All Fuels Tax Filing
BTI03	66		M	ID Code Qualifier	ID	2	2	"47" = Tax Authority
BTI04	67		M	ID Code	AN	2	20	Determined by Tax Authority 'ND'
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.
BTI08	67		X	ID Code	AN	9	15	Taxpayer's FEIN or SSN
BTI09	66		X	ID Code Qualifier	ID	2	2	"49" = State (assigned) Identification Number
BTI10	67		X	ID Code	AN	2	20	License or Permit Number
BTI11	66		X	ID Code Qualifier	ID	2	2	"SV" = Electronic Filer ID Number
BTI12	67		X	ID Code	AN	9	45	State assigned Software Identification
BTI13	353		O	Transaction Set Purpose Code	ID	2	2	Original Filing Options: "00" = Original
BTI14	640		O	Transaction Type Code	ID	2	2	Amended Filing Options: "CO" = Corrected
BTI~T6~050~47~ND~20080125~ABCD~24~516999988~49~1234~~~00\								
Syntax Notes: If either BTI07 or BTI08 is present, then the other is required. If either BTI09 or BTI10 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 The application of BTI13 and BTI14 are as follows: BTI13 should be used when the taxpayer transmits their initial report (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 is located below.								
Element		Application						
BTI13 [Initial Report]								
"00" = Original		Use "Original" when first attempting to transmit your report to the department whether the report is received or not. Always use "00" until the original report is received.						
"05" = Replace		Use "Replace" when first attempt of transmitted return has corrupted data.						
"15" = Resubmission		Use "Resubmission" when the Department did not receive first attempt of your transmitted return.						
BTI14 [Amended Report]								
"CO" = Corrected		Use "Corrected" when adjusting or correcting original or amended report.						
"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 report.						

Tax Filing Period Date/Time Reference Segment (Required) Pos. No. 0300								
Element ID	Elem 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	"197" = 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 Date
DTM06	1251		X	Date-Time-Period	AN	17	17	"CCYYMMDD" = CCYYMMDD" = Tax Filing Period Beginning and Ending Dates.
DTM~194~200080131\								
Syntax Notes: At least one of DTM02 or DTM05 is required. If either DTM05 or DTM06 is present, then the other is required.								
FTA Notes: If qualifier "194" is used in DTM01, then DTM05 and DTM06 are not used. If qualifier "683" is used in DTM01, then DTM02 is not used.								

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

Total Net Reported Tax Information and Amount Segment Pos. No. 0400								
Element ID	Elem Ref #	Sub-Ele Ref #	Field Status	Field Name	Field Type	Length (Min)	Length (Max)	Field Description
TIA01	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 in Tax Filing
TIA05	355		M	Unit of Measurement Code	ID	2	2	"GA" = Gallons
TIA~5001~~~1000000~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.								
ND Notes: This is the sum of gross gallons (+/-) across all schedules in the tax filing.								

Sequence ID Number- Reference Number Segment								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- Number	ID	2	2	"FJ" = Sequence ID Number
REF02	127		X	Reference Identification	AN	4	7	Sequence Number
REF03	352		X	Description	AN	4	5	Error Response Code
REF-55-01234								
Syntax Notes: At least one of the REF02 or REF03 is required.								
FTA Notes: This segment is only used when resending to an error reported in the 151 transaction set. REF02 is always required. REF03 is used for resending to an error.								

Payment Order Remittance Advice- Beginning Segment								(Required) Pos. No. 0200
Element ID	Elem Ref #	Sub-Ele Ref #	Field Status	Field Name	Field Type	Length (Min)	Length (Max)	Field Description
BPR01	305		M	Transaction Handling Code	ID	4	2	"S" = Single Debit Authorization
BPR02	782		M	Monetary Amount	R	4	18	Amount of tax payment
BPR03	478		M	Credit/Debit Flag Code	ID	4	4	"D" = Debit
BPR04	594		M	Payment Method Code	ID	3	3	"ACH" = Automated Clearing House
BPR05	842		M	Payment Format Code	ID	3	3	"CCD" = Cash Concentration/ Disbursement. "CCP" = Cash Concentration/ Disbursement plus- Addenda (CCD+)
BPR06 through BPR11 are not inserted by the taxpayer. They are on file with the party that creates the ACH Debit transaction. The taxpayer transmits empty fields for these elements:								
BPR06	506		X/Z	(ODFI) ID Number Qualifier	ID	2	3	"01" = ABA Transit Routing Number and Check Digits. State's Band Routing and Transit Number "DA" = Demand Deposit "SG" = Savings State's Bank Account Number to be Credited. State ID Example: Taxing Authority's DUNS Number Code Identifying Fiscal Agent
BPR07	507		X	(ODFI) Identification Number	AN	3	12	
BPR08	569		O/Z	(ODFI) Account Number Qualifier	ID	4	3	
BPR09	508		X/Z	(ODFI) Account Number	AN	40	40	
BPR10	509		O	Originating Company Identifier	AN	40	40	
BPR11	510		O	Originating Company Supplemental Code	O	9	9	
BPR12	506		X/Z	(RDFI) ID Number Qualifier	ID	2	2	"01" = ABA Transit Routing Number and Check Digits Taxpayer's Bank Routing and Transit Number "DA" = Demand Deposit "SG" = Savings Taxpayer's Bank Account to be Debited The intended payment effective date (CCYYMMDD) "TAX" = Tax Payment
BPR13	507		X	(RDFI) Identification Number	AN	3	12	
BPR14	569		O/Z	(RDFI) Account Number Qualifier	ID	4	3	
BPR15	508		X/Z	(RDFI) Account Number	AN	4	35	
BPR16	373		O/Z	Date	DT	8	8	
BPR17	1048		O/Z	Business Function Code	ID	4	3	
BPR-S-500-D-ACH-CCD-01-123456789-DA-987654321-20010325-TAX								
Syntax Notes:		If either BPR06 or BPR07 is present, then the other is required. If BPR08 is present, then BPR09 is required. If either BPR12 or BPR13 is present, then the other is required. If BPR14 is present, then BPR15 is required.						
FTA Notes:		This segment should not be mandated by a taxing authority. ODFI (Originating Depository Financial Institution) is the bank that creates the ACH transaction. For debit transactions, this is the state's bank. RDFI (Receiving Depository Financial Institution) is the bank that accepts the ACH transaction. For debit transactions, this is the taxpayer's bank.						

Name Detail								
Name Segment								Pos. No. 0500
Element ID	Elem Ref #	Sub-Ele Ref #	Field Status	Field Name	Field Type	Length (Min)	Length (Max)	Field Description
N101	98		M	Entity Identification Code	ID	2	2	"TP" = Primary Taxpayer
N102	93		X	Name	AN	1	35	Taxpayer Name
N1~TP~ABC Distributing\								
Syntax Notes: N102 is required.								
FTA Notes: N101: Use "TP" for tax reporting, or "L9" for information reporting.								

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

Address Detail								
Address Information Segment								Pos. No. 0800
Element ID	Elem Ref #	Sub-Ele Ref #	Field Status	Field Name	Field Type	Length (Min)	Length (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								

City, State, ZIP Code Detail								
Location Geographic Segment								Pos. No. 0900
Element ID	Elem Ref #	Sub-Ele Ref #	Field Status	Field Name	Field Type	Length (Min)	Length (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 or 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	2	Country Abbreviation (United States = US)
N4~MANDAN~ND~12345-2222~US\								
Syntax Notes: None								
FTA Notes: None								

General Contact Person Administrative Communications Contact Segment								Pos. No. 1000
Element ID	Elem Ref #	Sub-Ele Ref #	Field Status	Field Name	Field Type	Length (Min)	Length (Max)	Field Description
PER01	366		M	Contact Function Code	ID	2	2	Contact Type Code: "CN" = General Contact
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" = Electronic Mail
PER08	364		X	Communications Number	AN	1	80	Email Address
PER~CN~Joan Smith~TE~7015559988~FX~7015559977~EM~JSmith@abc.com\								
Syntax Notes: If either PER03 or PER04 is present, then the other is required. If either PER05 or PER06 is present, then the other is required. If either PER07 or PER08 is present, then the other is required.								
FTA Notes: None								
ND Notes: This segment is required.								

EDI Contact Person Administrative Communications Contact Segment								Pos. No. 1000
Element ID	Elem Ref #	Sub-Ele Ref #	Field Status	Field Name	Field Type	Length (Min)	Length (Max)	Field Description
PER01	366		M	Contact Function Code	ID	2	2	Contact Type Code: "EA" = EDI Coordinator
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" = Electronic Mail
PER08	364		X	Communications Number	AN	1	80	Email Address
PER~EA~Bob Smith~TE~7015559988~FX~7015559988~EM~bsmith@abc.com\								
Syntax Notes: If either PER03 or PER04 is present, then the other is required. If either PER05 or PER06 is present, then the other is required. If either PER07 or PER08 is present, then the other is required.								
FTA Notes: None								
ND Notes: This segment is required.								

The following segments are required if the mailing address is different than the physical address.

Mailing Name Detail								
Name Segment								Pos. No. 0500
Element ID	Elem Ref #	Sub-Ele Ref #	Field Status	Field Name	Field Type	Length (Min)	Length (Max)	Field Description
N101	98		M	Entity Identification Code	ID	2	2	"31" = Postal Mailing
N102	93		X	Name	AN	1	35	Mailing Name
N1~31~ABC Company\								
Syntax Notes: N102 is required.								
FTA Notes: None								

Mailing Additional Name Detail								
Additional Name Segment								Pos. No. 0600
Element ID	Elem Ref #	Sub-Ele Ref #	Field Status	Field Name	Field Type	Length (Min)	Length (Max)	Field Description
N201	93		M	Name	AN	1	35	Mailing Name
N202	93		Θ	Name	AN	1	35	Mailing Name
N2~ABC Fuel Company~ABC Subsidiary\								
Syntax Notes: None								
FTA Notes: None								

Mailing Address Detail								
Address Information Segment								Pos. No. 0800
Element ID	Elem Ref #	Sub-Ele Ref #	Field Status	Field Name	Field Type	Length (Min)	Length (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								

Mailing City, State, ZIP Code Detail								
Location Geographic Segment								Pos. No. 0900
Element ID	Elem Ref #	Sub-Ele Ref #	Field Status	Field Name	Field Type	Length (Min)	Length (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 or 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	2	Country Abbreviation (United States = US)
N4~Bismarck~ND~12345-2222~US\								
Syntax Notes: None								
FTA Notes: None								

End of Transaction Set Header

Transaction Set - Terminal Operator Report (TOR)

This TFS loop reports information on the TOR. Transaction detail is reported using the Schedule section of this map.

The TFS loop is repeated when reporting information for each terminal reported. Repeat the FGS loop within the TFS loop for each product reported.

Beginning of Terminal Operator Report Tax Form Segment								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	"T2" = Tax Form Code
TFS02	127		M	Reference Identification	AN	1	6	"TOR" = Terminal Operator Report
TFS03 and TFS04 are not used.								
TFS05	66		X	ID Code Qualifier	ID	2	2	"TC" = IRS Terminal Code
TFS06	67		X	ID Code	AN	9	9	IRS Terminal Control Number (TCN)
TFS~T2~TOR~~~TC~T99ND0000\								
Syntax Notes: If either TFS05 or TFS06 is present, then the other is required.								
FTA Notes: None								

Relationship to the Transaction Information Reference Segment								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		X	Reference Identification	AN	3	3	IRS - IRS Data N/A - If not applicable to the IRS
REF03 is not used.								
REF04	G040	128	M	Reference Identification Qualifier	ID	2	2	"S0" = Special Approval (S Zero)
REF05	G040	127	M	Reference Identification	AN	2	2	State Abbreviation for state which data belongs to.
REF06	G040	128	X	Reference Identification Qualifier	ID	2	2	"S0" = Special Approval (S Zero)
REF07	G040	127	X	Reference Identification	AN	2	2	State abbreviation for state which data belongs to.
REF~SU~N/A~~~S0^ND\								
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.								

Sequence ID Number Usage

Sequence ID number is a counter used as a reference point when the Office of State Tax Commissioner contacts a filer with a question about the filer EDI file. The first Sequence ID Number within an envelope (ISA/IEA loop) will start at 1. Every subsequent REF within the ISA/IEA loop will be incremented by 1.

Sequence ID Number Reference Number Segment								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	"55" = Sequence ID Number
REF02	127		X	Reference Identification	AN	1	7	Sequence Number
REF03	352		X	Description	AN	4	5	Error-Response-Code
REF~55~01234\								
Syntax Notes: REF02 is required.								
FTA Notes: REF02 is always required; REF03 is used when responding to an error.								
ND Notes: REF03 is not used. See notes on sequence number usage on page 22.								

Condition 1 - If an account has no activity, the following REF segment is required. The following Condition 2 DTM and FGS are not used.

No Activity Reference Number Segment								(Conditional) 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	Entity Identification Code	ID	2	2	"BE" = Business Activity
REF02	127		X	Name	AN	1	1	"1" = No Business Activity
REF~BE~1\								
Syntax Notes: REF02 is required.								
FTA Notes: None								

Condition 2 - If an account has activity, the following DTM and FGS segments are required. The preceding REF is not used. This FGS loop contains inventory information. The FGS loop repeats when the product code value changes.

Ending Inventory Date Date/Time Reference Segment								(Conditional) Pos. No. 0300
Element ID	Elem 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	"184" = Inventory Date
DTM02	373		X	Date	DT	8	8	"CCYYMMDD"
DTM~184~20080131\								
Syntax Notes: DTM02 is required.								
FTA Notes: None								

Physical Inventory by Product Form Group Segment								(Conditional) Pos. No. 1000
Element ID	Elem Ref #	Sub-Element Ref #	Field Status	Field Name	Field Type	Length (Min)	Length (Max)	Field Description
FGS01	350		M	Assigned Identification	AN	2	2	"EI" = Ending Inventory
FGS02	128		X	Reference Identification Qualifier	ID	2	2	"PG" = Product Group
FGS03	127		X	Reference Identification	AN	3	3	Product Code See Appendix B
FGS~EI~PG~065\								
Syntax Notes: If either FGS02 or FGS03 is present, then the other is required.								
FTA Notes: None								

Sequence ID Number Reference Number Segment								Pos. No. 0200
Element ID	Elem Ref #	Sub-Element Ref #	Field Status	Field Name	Field Type	Length (Min)	Length (Max)	Field Description
REF01	128		M	Reference Identification Qualifier	ID	2	2	"55" = Sequence ID Number
REF02	127		X	Reference Identification	AN	1	7	Sequence Number
REF03	352		X	Description	AN	4	5	Error Response Code
REF~55~01234\								
Syntax Notes: REF02 is required.								
FTA Notes: REF02 is always required; REF03 is used when responding to an error.								
ND Notes: REF03 is not used. See notes on sequence number usage on page 22.								

Inventory Tax Information and Amount Segment								(Required if FGS is Used) Pos. No. 1800
Element ID	Elem Ref #	Sub-Element Ref #	Field Status	Field Name	Field Type	Length (Min)	Length (Max)	Field Description
TIA01	817		M	Tax Information Identification Number	AN	4	4	"5002" = Net Physical Inventory
TIA02 and TIA03 are not used.								
TIA04	380		X	Quantity	R	1	15	Quantity
TIA05	355		M	Unit of Measurement Code	ID	2	2	"GA" = Gallons
TIA~5002~~~10000~GA\								
Syntax Notes: At least one of TIA02, TIA03, TIA04, TIA06, or TIA07 is required. If TIA05 is present, then TIA04 is required.								
FTA Notes: Physical Inventory is the only value passed. All other information is derived from schedules.								

End of FGS loop (Line item detail)

End of TFS loop (TOR detail)

Transaction Set - Supplier/Distributor Report (SDR)

This TFS loop reports information on the SDR. Transaction detail is reported using the Summary Information and Schedule sections of this map.

Beginning of Supplier/Distributor Report Detail								
Tax Form Segment								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	"T2" = Tax Form Code
TFS02	127		M	Reference Identification	AN	1	6	"SDR" = Supplier/Distributor Report
TFS~T2~SDR\								
Syntax Notes:				None				
FTA Notes:				The TFS loop is used once when reporting information for the SDR. Repeat the FGS loop within the TFS loop for each product reported.				

Relationship to the Transaction Information								
Reference Segment								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		X	Reference Identification	AN	3	3	"IRS" = IRS Data N/A = If not applicable to the IRS
REF03 Not used								
REF04	G040	128	M	Reference Identification Qualifier	ID	2	2	"SO" = Special Approval (S Zero)
REF05	G040	127	M	Reference Identification	AN	2	2	State Abbreviation for state which data belongs to:
REF06	G040	128	X	Reference Identification Qualifier	ID	2	2	"SO" = Special Approval (S Zero)
REF07	G040	127	X	Reference Identification	AN	2	2	State abbreviation for state which data belongs to:
REF~SU~N/A~SO^ND\								
Syntax Notes:				At least one of REF02 or REF03 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.				

Sequence ID Number								
Reference Number Segment								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	"55" = Sequence ID Number
REF02	127		X	Reference Identification	AN	1	7	Sequence Number
REF03	352		X	Description	AN	4	5	Error Response Code
REF~55~01234\								
Syntax Notes:				REF02 is required.				
FTA Notes:				REF02 is always required; REF03 is used when responding to an error.				
ND Notes:				REF03 is not used. See notes on sequence number usage on page 22.				

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

No Activity Reference Number Segment								(Conditional) 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	Entity Identification Code	ID	2	2	"BE" = Business Activity
REF02	127		X	Name	AN	1	1	"1" = No Business Activity
REF~BE~1\								
Syntax Notes:				REF02 is required.				
FTA Notes:				None				

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

Ending Inventory Date Date/Time Reference Segment								(Conditional) Pos. No. 0300
Element ID	Elem 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	"184" = Inventory Date
DTM02	373		X	Date	DT	8	8	"CCYYMMDD"
DTM~184~20080131\								
Syntax Notes:				DTM02 is required.				
FTA Notes:				Use this segment when reporting ending inventory in the FGS Loop for the supplier/distributor.				

Total Due Tax Information and Amount Segment								(Conditional) Pos. No. 0920
Element ID	Elem Ref #	Sub-Ele Ref #	Field Status	Field Name	Field Type	Length (Min)	Length (Max)	Field Description
TIA01	817		M	Tax Information ID Number	AN	4	4	"5003" = Total Due
TIA02	782		X	Monetary Amount	R	1	15	Dollar Amount
TIA03 is not used.								
TIA04	380		X	Quantity	R	1	15	Quantity
TIA05	355		M	Unit of Measurement Code	ID	2	2	"GA" = Gallons
TIA~5003~148.75~~25000~GA\								
Syntax Notes:				At least one of TIA02 or TIA04 is required. If TIA05 is present, then TIA04 is required.				
FTA Notes:				Total Due is passed as a check value and represents dollars and/or quantity.				
ND Notes:				Formatting of TIA02: Special Fuels Tax Report - total amount due from Line 26 Liquefied Petroleum Fuel Tax Report - total amount due from Line 22 Motor Vehicle Fuel Tax Report - total amount due from Line 26 Aviation Fuel Tax Report - total amount due from Line 21 TIA04 is the sum of gallons on all schedules for the report.				

Physical Inventory by Product Form Group Segment								(Conditional) Pos. No. 1000
Element ID	Elem Ref #	Sub-Ele Ref #	Field Status	Field Name	Field Type	Length (Min)	Length (Max)	Field Description
FGS01	350		M	Assigned Identification	AN	2	2	"EI" = Ending Inventory
FGS02	128		X	Reference Identification Qualifier	ID	2	2	"PG" = Product Group
FGS03	127		X	Reference Identification	AN	3	3	Product Code See Appendix B
FGS~EI~PG~065\								
Syntax Notes: If either FGS02 or FGS03 is present, then the other is required.								
FTA Notes: This FGS allows looping to report Inventory by product. Repeat this loop (a single TIA per FGS) as many times as needed to complete reporting requirements.								

Sequence ID Number Reference Number Segment								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	"55" = Sequence ID Number
REF02	127		X	Reference Identification	AN	1	7	Sequence Number
REF03	352		X	Description	AN	4	5	Error Response Code
REF~55~01234\								
Syntax Notes: REF02 is required.								
FTA Notes: REF02 is always required; REF03 is used when responding to an error.								
ND Notes: REF03 is not used. See notes on sequence number usage on page 22.								

Inventory Tax Information and Amount Segment								(Required if FGS is Used) Pos. No. 1800
Element ID	Elem Ref #	Sub-Ele Ref #	Field Status	Field Name	Field Type	Length (Min)	Length (Max)	Field Description
TIA01	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	355		M	Unit of Measurement Code	ID	2	2	"GA" = Gallons
TIA~5002~~~25000~GA\								
Syntax Notes: TIA04 is required. If TIA05 is present, then TIA04 is required.								
FTA Notes: Physical Inventory is the only value passed in this loop. All other information is derived from schedules.								
ND Notes: Inventory must be reported in Gross Gallons.								

End of FGS loop (Line item detail)

End of TFS loop (SDR detail)

Summary Information

This TFS loop reports summary information. This TFS loop is used in combination with the SDR report.

Summary information is used when the information cannot be derived from the schedule details. This TFS loop repeats when one of the following values changes: TFS02 Summary Code, TFS04 Product Code.

If there are no transactions to report in this filing, it is not necessary to transmit a Summary Information TFS loop.

Beginning of Summary Information								
Tax Form Segment								
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	TFS02 Summary Code "S01C" = Product Transfer (Disbursement) "S01D" = Product Transfer Receipt "S02C" = Inspection Fee "S02A" = Penalty and Interest on Tax "S03C" = Collection Allowance "S05K" = Sales Price of 2% Taxable Gallons "S05L" = Sales Price of 1% Taxable Gallons See Appendix C
TFS03	128		X	Reference Identification Qualifier	ID	2	2	"PG" = Product Group
TFS04	127		X	Reference Identification	AN	3	3	Product Code See Appendix B
TFS05	66		X	Identification Code Qualifier	ID	2	2	"94" = Mode
TFS06	67		X	Identification Code	AN	2	2	"CE" = Transaction Type Mode Code
TFS~T3~S01C~PG~065~94~CE\ or TFS~T3~S02A~~~94~CE\								
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: None								
ND Notes: TFS03 and TFS04 are not used for Summary Codes S02C, S02A, or S03C (not product specific). Both TIA segments for TIA codes "5008" interest and "5009" penalty are required for Summary Code S02A								

Relationship to the Transaction Information Reference Segment								
								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		X	Reference Identification	AN	3	3	"IRS" = IRS Data N/A = If not applicable to the IRS
REF03-Not used								
REF04	G040	128	M	Reference Identification-Qualifier	ID	2	2	"SO" = Special Approval (S Zero)
REF05	G040	127	M	Reference Identification	AN	2	2	State Abbreviation for state which data belongs to.
REF06	G040	128	X	Reference Identification-Qualifier	ID	2	2	"SO" = Special Approval (S Zero)
REF07	G040	127	X	Reference Identification	AN	2	2	State abbreviation for state which data belongs to.
REF-SU-N/A-SO^ND\								
Syntax Notes: At least one of REF02 or REF03 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.								

Sequence ID Number Reference Number Segment								
								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	"55" = Sequence ID Number
REF02	127		X	Reference Identification	AN	1	7	Sequence Number
REF03	352		X	Description	AN	4	5	Error-Response Code
REF~55~01234\								
Syntax Notes: REF02 is required.								
FTA Notes: REF02 is always required; REF03 is used when responding to an error.								
ND Notes: REF03 is not used. See notes on sequence number usage on page 22.								

Summary Data Forms Group Segment								
								Pos. No. 1000
Element ID	Elem Ref #	Sub-Ele Ref #	Field Status	Field Name	Field Type	Length (Min)	Length (Max)	Field Description
FGS01	350		M	Assigned Identification	AN	1	1	"S" = Schedule Summary
FGS~S\								
Syntax Notes: None								
FTA Notes: None								

Sequence ID Number Reference Number Segment								
								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	"55" = Sequence ID Number
REF02	127		X	Reference Identification	AN	1	7	Sequence Number
REF03	352		X	Description	AN	4	5	Error-Response Code
REF~55~01234\								
Syntax Notes: REF02 is required.								
FTA Notes: REF02 is always required; REF03 is used when responding to an error.								
ND Notes: REF03 is not used. See notes on sequence number usage on page 22.								

Information								
Tax Information and Amount Segment								Pos. No. 1800
Element ID	Elem Ref #	Sub-Ele Ref #	Field Status	Field Name	Field Type	Length (Min)	Length (Max)	Field Description
TIA01	817		M	Tax Information ID Number	AN	4	4	TIA Code "5005" = Net "5006" = Gross
TIA02	782		X	Monetary Amount	R	1	15	Dollar Amount
TIA03 is not used.								
TIA04	380		X	Quantity	R	1	15	Quantity
TIA05	355		M	Unit of Measurement Code	ID	2	2	"GA" = Gallons
TIA~5006~~~25000~GA\ or TIA~5005~1475.63\								
Syntax Notes:				At least one of TIA02 or TIA04 is required. If TIA05 is present, then TIA04 is required.				
FTA Notes:				None				
ND Notes:				TIA01 must be "5005" when reporting dollar amounts, "5006" when reporting gross gallons.				

Interest								
Tax Information and Amount Segment								Pos. No. 1800
Element ID	Elem Ref #	Sub-Ele Ref #	Field Status	Field Name	Field Type	Length (Min)	Length (Max)	Field Description
TIA01	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				

Penalty								
Tax Information and Amount Segment								Pos. No. 1800
Element ID	Elem Ref #	Sub-Ele Ref #	Field Status	Field Name	Field Type	Length (Min)	Length (Max)	Field Description
TIA01	817		M	Tax Information ID Number	AN	4	4	"5009" = Penalty
TIA02	782		X	Monetary Amount	R	1	15	Dollar Amount
TIA~5009~200\								
Syntax Notes:				TIA02 is required.				
FTA Notes:				None				

End of FGS loop (Line item detail)

End of TFS loop (SDR detail)

North Dakota Summary Mapping

Special Fuels Tax Report

TFS02 Summary Code: S01C Product Transfer Disbursement	(Page 1, Line 3 of report)	TIA Code: 5006
TFS02 Summary Code: S01D Product Transfer Receipt	(Page 1, Line 3 of report)	TIA Code: 5006
TFS02 Summary Code: S02A Interest	(Page 1, Line 21 of report)	TIA Code: 5008
Penalty	(Page 1, Line 20 of report)	TIA Code: 5009
TFS02 Summary Code: S02C Inspection Fees (Required)	(Page 1, Line 22 of report)	TIA Code: 5005
TFS02 Summary Code: S03C Collection Allowance (Required)	(Page 1, Line 18 of report)	TIA Code: 5005

Liquefied Petroleum Tax Report

TFS02 Summary Code: S02A Interest	(Page 1, Line 20 of report)	TIA Code: 5008
Penalty	(Page 1, Line 19 of report)	TIA Code: 5009
TFS02 Summary Code: S03C Collection Allowance (Required)	(Page 1, Line 17 of report)	TIA Code: 5005
TFS02 Summary Code: S05K Sales Price of 2% Taxable Gallons (Required when schedule 5X is used.)	(Page 1, Line 12 of report)	TIA Code: 5005
TFS02 Summary Code: S05L Sales Price of 1% Taxable Gallons (Required when schedule 10A is used.)	(Page 1, Line 14 of report)	TIA Code: 5005

Motor Vehicle Fuel Tax Report

TFS02 Summary Code: S01C Product Transfer Disbursement	(Page 1, Line 3 of report)	TIA Code: 5006
TFS02 Summary Code: S01D Product Transfer Receipt	(Page 1, Line 3 of report)	TIA Code: 5006
TFS02 Summary Code: S02A Interest	(Page 1, Line 21 of report)	TIA Code: 5008
Penalty	(Page 1, Line 20 of report)	TIA Code: 5009
TFS02 Summary Code: S02C Inspection Fees (Required)	(Page 1, Line 22 of report)	TIA Code: 5005
TFS02 Summary Code: S03C Collection Allowance (Required)	(Page 1, Line 18 of report)	TIA Code: 5005

Aviation Fuel Tax Report

TFS02 Summary Code: S02A

Interest (Line 18 of report)

TIA Code: 5008

Penalty (Line 17 of report)

TIA Code: 5009

TFS02 Summary Code: S03C

Collection Allowance (Required) (Line 15 of report)

TIA Code: 5005

Note: Summary segments are not required unless indicated. You must include the summary segments needed to indicate inventory transferred, penalty owed, interest owed. Also note that summary segments are not required with a 'No Activity' filing.

See sample mapping of Tax Reports in Appendix H.

Schedules

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.

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, and/or CCR sections of this map.

Beginning of Schedules								
Tax Form Segment								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	Schedule Type Code See Appendix A
TFS03	128		X	Reference Identification Qualifier	ID	2	2	"PG" = Product Group
TFS04	127		X	Reference Identification	AN	3	3	Product Code See 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 Appendix D
TFS~T3~2~PG~065~94~J\								
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: None								

Relationship to the Transaction Information								
Reference Segment								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		X	Reference Identification	AN	3	3	"IRS" = IRS Data N/A = If not applicable to the IRS
REF03 Not used								
REF04	G040	128	M	Reference Identification Qualifier	ID	2	2	"SO" = Special Approval (S Zero)
REF05	G040	127	M	Reference Identification	AN	2	2	State Abbreviation for state which data belongs to:
REF06	G040	128	X	Reference Identification Qualifier	ID	2	2	"SO" = Special Approval (S Zero)
REF07	G040	127	X	Reference Identification	AN	2	2	State abbreviation for state which data belongs to:
REF~SU~N/A~S0^ND\								
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.								

Sequence ID Number Reference Number Segment								
								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	"55" = Sequence ID Number
REF02	127		X	Reference Identification	AN	1	7	Sequence Number
REF03	352		X	Description	AN	4	5	Error Response Code
REF~55~01234\								
Syntax Notes: REF02 is required.								
FTA Notes: REF02 is always required; REF03 is used when responding to an error.								
ND Notes: REF03 is not used. See notes on sequence number usage on page 22.								

For Point of Origin/Terminal: (One of the following Options is required)

Use Option 1 when the origin has an IRS TCN.

Use Option 2 when the origin does not have an IRS TCN.

Use Option 3 when the state requires an origin facility ID (currently used by the state of Florida).

Option 1

Point of Origin Name Segment 1								
								(One of the two Options is used) Pos. No. 0500
Element ID	Elem Ref #	Sub-Ele Ref #	Field Status	Field Name	Field Type	Length (Min)	Length (Max)	Field Description
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 (Code list is located at www.irs.gov/businesses/small-businesses-self-employed/terminal-control-number-tcn-terminal-locations-directory)
N1~OT~~TC~T99ND0000\								
Syntax Notes: N103 is required. If either N103 or N104 is present, then the other is required.								
FTA Notes: None								
ND Notes: Origin Terminal (Option 1) is required for all Terminal Operator Disbursements. Origin is optional for Terminal Operator Receipts. Either origin option 1 or origin option 2 is required for all other schedules.								

Option 2

Point of Origin Name Segment 1								
								(One of the two Options is used) Pos. No. 0500
Element ID	Elem Ref #	Sub-Ele Ref #	Field Status	Field Name	Field Type	Length (Min)	Length (Max)	Field Description
N101	98		M	Entity Identification Code	ID	2	2	"SF" = Ship From
N102	93		X	Name	AN	2	2	Origin State Abbreviation
N1~SF~ND\								
Syntax Notes: N102 is required.								
FTA Notes: None								
ND Notes: Either origin option 1 or origin option 2 is required for all schedules.								

Point of Origin Name Segment 1								Pos. No. 0500
Element ID	Elem Ref #	Sub-Ele Ref #	Field Status	Field Name	Field Type	Length (Min)	Length (Max)	Field Description
N401	19		M	City Name	AN	2	30	Name of City
N402	156		O	State or Province Code	ID	2	2	State or Province Abbreviation
N403	116		Θ	Postal Code	ID	3	11	ZIP or ZIP plus 4 Code
N4~Minot~ND\								
Syntax Notes:		None						
FTA Notes:		None						
ND Notes:		Include this segment when using origin option 2.						

Option 3

Point of Origin Name Segment 1								(One of the Three Options is Used) Pos. No. 0500
Element ID	Elem Ref #	Sub-Ele Ref #	Field Status	Field Name	Field Type	Length (Min)	Length (Max)	Field Description
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/License Number
N1~WO~FA~123456\								
Syntax Notes:		N103 is required. If either N103 or N104 is present, then the other is required.						
FTA Notes:		None						

Seller Information Name Segment 2								Pos. No. 0500
Element ID	Elem Ref #	Sub-Ele Ref #	Field Status	Field Name	Field Type	Length (Min)	Length (Max)	Field Description
N101	98		M	Entity Identification Code	ID	2	2	"SE" = Selling Party
N102	93		X	Name	AN	2	35	Seller's Name
N103	66		X	Identification Code Qualifier	ID	2	2	"24" = FEIN "34" = SSN
N104	67		X	Identification Code	AN	9	15	Seller's FEIN or SSN plus 2 digit ND Suffix.
N1~SE~Fuel Inc~24~51666999971\								
Syntax Notes:		At least one of N102 or N103 is required. If either N103 or N104 is present, then the other is required.						
FTA Notes:		None						
ND Notes:		Required for Receipt Schedules (except Terminal Operator Schedule of Receipts) Include the 2 character North Dakota assigned FEIN suffix; the N104 must contain 11 digits without dashes. North Dakota's requirement to include a two-digit state-assigned suffix is an exception to FTA uniformity.						

Position Holder Information or Delivering Exchange Party Information								
Name Segment 3								Pos. No. 0500
Element ID	Elem Ref #	Sub-Ele Ref #	Field Status	Field Name	Field Type	Length (Min)	Length (Max)	Field Description
N101	98		M	Entity Identification Code	ID	2	2	"ON" = Selling Party
N102	93		X	Name	AN	1	35	Position Holder's Name
N103	66		X	Identification Code Qualifier	ID	2	2	"24" = FEIN "34" = SSN
N104	67		X	Identification Code	AN	9	15	Seller's FEIN or SSN plus 2 digit ND Suffix.
N1~ON~ABC Fuel~24~51688888870\								
Syntax Notes:				At least one of N102 or N103 is required. If either N103 or N104 is present, then the other is required.				
FTA Notes:				None				
ND Notes:				Required for Terminal Operator Receipt Schedules Include the 2 character North Dakota assigned FEIN suffix; the N104 must contain 11 digits without dashes. North Dakota's requirement to include a two-digit state-assigned suffix is an exception to FTA uniformity.				

Receiving Exchange Party Information								
Name Segment 3								Pos. No. 0500
Element ID	Elem Ref #	Sub-Ele Ref #	Field Status	Field Name	Field Type	Length (Min)	Length (Max)	Field Description
N101	98		M	Entity Identification Code	ID	2	2	"EC" = Position Holder
N102	93		X	Name	AN	1	35	Position Holder's Name or Control Name (First 4 position of taxpayer business name):
N103	66		X	Identification Code Qualifier	ID	2	2	"24" = FEIN "34" = SSN "FI" = Federal Taxpayer 637-ID Number "50" = BN Canadian Business Number
N104	67		X	Identification Code	AN	9	15	Position Holder's FEIN or SSN or IRS 637 Number or BN
N1~EC~ABC Fuel~24~516888888\								
Syntax Notes:				At least one of N102 or N103 is required. If either N103 or N104 are present, then the other is required.				
FTA Notes:				None				

Person Hiring Carrier (Consignor)								
Name Segment 4								Pos. No. 0500
Element ID	Elem Ref #	Sub-Ele Ref #	Field Status	Field Name	Field Type	Length (Min)	Length (Max)	Field Description
N101	98		M	Entity Identification Code	ID	2	2	"CI" = Consignor (Person Hiring the Carrier)
N102	93		X	Name	AN	1	35	Consignor Name or Name Control (First 4 position of taxpayer business 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	15	Consignor's (Person Hiring Carrier) FEIN or SSN or BN
N1~CI~ABC Distributing~24~516777777\								
Syntax Notes:				At least one of N102 or N103 is required. If either N103 or N104 are present, then the other is required.				
FTA Notes:				None				

Carrier Information Name Segment 5								Pos. No. 0500
Element ID	Elem Ref #	Sub-Ele Ref #	Field Status	Field Name	Field Type	Length (Min)	Length (Max)	Field Description
N101	98		M	Entity Identification Code	ID	2	2	"CA" = Carrier Name
N102	93		X	Name	AN	1	35	Carrier Name
N103	66		X	Identification Code Qualifier	ID	2	2	"24" = FEIN "34" = SSN
N104	67		X	Identification Code	AN	9	15	Carrier's FEIN or SSN
N1~CA~ABC Trucking~24~51666666\								
Syntax Notes: At least one of N102 or N103 is required. If either N103 or N104 is present, then the other is required.								
FTA Notes: None								
ND Notes: Required for all schedules.								

Buyer/Consignee Information Name Segment 6								Pos. No. 0500
Element ID	Elem Ref #	Sub-Ele Ref #	Field Status	Field Name	Field Type	Length (Min)	Length (Max)	Field Description
N101	98		M	Entity Identification Code	ID	2	2	"BY" = Buying Party (Purchaser/Consignee)
N102	93		X	Name	AN	1	35	Buyer Name
N103	66		X	Identification Code Qualifier	ID	2	2	"24" = FEIN "34" = SSN
N104	67		X	Identification Code	AN	9	15	Purchaser's FEIN or SSN plus two-digit ND Suffix
N1~BY~Joe Gas Station~24~5172222270\								
Syntax Notes: At least one of N102 or N103 is required. If either N103 or N104 is present, then the other is required.								
FTA Notes: None								
ND Notes: Required for all Disbursement Schedules. Include the two-character North Dakota assigned FEIN suffix; the N104 must contain 11 digits without dashes. North Dakota's requirement to include a two-digit state-assigned suffix is an exception to FTA uniformity.								

For Point (Address) of Delivery/Destination: (One of the following Options is Required)

Use Option 1 when the destination has an IRS TCN.

Use Option 2 when the destination does not have an IRS TCN.

Use Option 3 when the state requires a destination facility ID (currently used by the state of Florida).

Option 1

Point of Destination Name Segment 7								(One of the two Options is used) Pos. No. 0500
Element ID	Elem Ref #	Sub-Ele Ref #	Field Status	Field Name	Field Type	Length (Min)	Length (Max)	Field Description
N101	98		M	Entity Identification Code	ID	2	2	"DT" = Destination 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 (Code list is located at www.irs.gov/businesses/small-businesses-self-employed/terminal-control-number-tcn-terminal-locations-directory)
N1~DT~~TC~T99ND0000\								
Syntax Notes: N103 is required. If either N103 or N104 is present, then the other is required.								
FTA Notes: None								
ND Notes: Destination Terminal (Option 1) is required for all Terminal Operator Receipts. Either Destination Option 1 or Destination Option 2 is required for all schedules.								

Option 2

Point of Destination Name Segment 7								
(One of the Two Options is Used) Pos. No. 0500								
Element ID	Elem Ref #	Sub-Ele Ref #	Field Status	Field Name	Field Type	Length (Min)	Length (Max)	Field Description
N101	98		M	Entity Identification Code	ID	2	2	"ST" = Ship To
N102	93		X	Name	AN	2	2	Destination State Abbreviation
N1~ST~ND\								
Syntax Notes: N102 is required. If either N103 or N104 is present, then the other is required.								
FTA Notes: None								

Point of Destination Name Segment 7								
Pos. No. 0500								
Element ID	Elem Ref #	Sub-Ele Ref #	Field Status	Field Name	Field Type	Length (Min)	Length (Max)	Field Description
N401	19	19	M	City Name	AN	2	30	Name of City
N402	156	156	O	State or Province Code	ID	2	2	State or Province Abbreviation
N403	446	446	O	Postal Code	ID	3	44	ZIP or ZIP plus 4 Code
N4~Stanley~ND\								
Syntax Notes: None								
FTA Notes: None								
ND Notes: Include this segment when using Destination Option 2								

Option 3

Point of Destination Name Segment 7								
(One of the Three Options is Used) Pos. No. 0500								
Element ID	Elem Ref #	Sub-Ele Ref #	Field Status	Field Name	Field Type	Length (Min)	Length (Max)	Field Description
N101	98		M	Entity Identification Code	ID	2	2	"WD" = Destination Facility
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/License Number
N1~WD~FA~123456\								
Syntax Notes: N103 is required. If either N103 or N104 is present, then the other is required.								
FTA 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 (Document) Number.
- Bill of Lading Date (Date Shipped).
- Gallons/Liters.

Bill of Lading Forms Group Segment								
Pos. No. 1000								
Element ID	Elem Ref #	Sub-Ele Ref #	Field Status	Field Name	Field Type	Length (Min)	Length (Max)	Field Description
FGS01	350		M	Assigned Identification	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								
ND Notes: Include Bill of Lading Number - please refer to North Dakota Reporting Instructions.								

Sequence ID Number Reference Number Segment								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	"55" = Sequence ID Number
REF02	127		X	Reference Identification	AN	1	7	Sequence Number
REF03	352		X	Description	AN	4	5	Error Response Code
REF~55~01234\								
Syntax Notes: REF02 is required.								
FTA Notes: REF02 is always required; REF03 is used when responding to an error.								
ND Notes: REF03 is not used. See notes on sequence number usage on page 22.								

Bill of Lading Date Date/Time Reference Segment								Pos. No. 1200
Element ID	Elem 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	"095" = Bill of Lading Date
DTM02	373		X	Date	DT	8	8	Bill of Lading Date (CCYYMMDD)
DTM~095~20080122\								
Syntax Notes: DTM02 is required.								
FTA Notes: None								
ND Notes: Include Bill of Lading Date - please refer to North Dakota Reporting Instructions.								

Bill of Lading Net Tax Information and Amount Segment								Pos. No. 1800
Element ID	Elem Ref #	Sub-Ele Ref #	Field Status	Field Name	Field Type	Length (Min)	Length (Max)	Field Description
TIA01	817		M	Tax Information Identification Number	AN	4	4	"5005" = Net
TIA02 and TIA 03 are not used.								
TIA04	380		X	Quantity	R	1	15	Quantity
TIA05	355		M	Unit of Measurement Code	ID	2	2	"GA" = Gallons
TIA~5005~~~8000~GA\								
Syntax Notes: TIA04 is required. If TIA05 is present, then TIA04 is required.								
FTA Notes: None								
ND Notes: Required.								

Bill of Lading Gross Tax Information and Amount Segment								Pos. No. 1800
Element ID	Elem Ref #	Sub-Ele Ref #	Field Status	Field Name	Field Type	Length (Min)	Length (Max)	Field Description
TIA01	817		M	Tax Information Identification Number	AN	4	4	"5006" = Gross
TIA02 and TIA 03 are not used.								
TIA04	380		X	Quantity	R	1	15	Quantity
TIA05	355		M	Unit of Measurement Code	ID	2	2	"GA" = Gallons
TIA~5006~~~8000~GA\								
Syntax Notes: TIA04 is required. If TIA05 is present, then TIA04 is required.								
FTA Notes: None								
ND Notes: Required.								

Bill of Lading Billed								
Tax Information and Amount Segment								Pos. No. 1800
Element ID	Elem Ref #	Sub-Ele Ref #	Field Status	Field Name	Field Type	Length (Min)	Length (Max)	Field Description
TIA01	817		M	Tax Information Identification Number	AN	4	4	"5007" = Billed
TIA02 and TIA 03 are not used.								
TIA04	380		X	Quantity	R	1	15	Quantity
TIA05	355		M	Unit of Measurement Code	ID	2	2	"GA" = Gallons
TIA~5007~~~8000~GA\								
Syntax Notes: TIA04 is required. If TIA05 is present, then TIA04 is required.								
FTA Notes: None								
ND Notes: Required.								

End of FGS loop for Individual shipments.

End of TFS loop for Schedule.

Transaction Set Trailer Description

End of Transaction Set Trailer Segment								(Required) Pos. No. 1100
Element ID	Elem Ref #	Sub-Ele Ref #	Field Status	Field Name	Field Type	Length (Min)	Length (Max)	Field Description
SE01	96		M	Number of included Segments	N0	1	10	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: None								
FTA Notes: None								

End of Transaction Set

Appendix A - North Dakota Schedule Codes

Report Type	Schedule Code	Description
Motor Vehicle Fuel	1	Gallons Received in North Dakota - North Dakota Tax Paid
Motor Vehicle Fuel	2	Gallons Received in North Dakota - North Dakota Tax NOT Paid
Motor Vehicle Fuel	3	Gallons Imported into North Dakota by Your Business
Motor Vehicle Fuel	5	Gallons Sold to Retailers for Resale - North Dakota Tax Paid - Loss Allowance Passed On.
Motor Vehicle Fuel	5A	Gallons Sold to Retailers for Resale - North Dakota Tax Paid - No Loss Allowance
Motor Vehicle Fuel	5Q	Gallons Used or Sold to Consumers - North Dakota Tax Paid
Motor Vehicle Fuel	6	Gallons Sold in North Dakota North Dakota Tax NOT Paid
Motor Vehicle Fuel	7	Gallons Exported by Your Business
Motor Vehicle Fuel	8	Gallons Sold to Agencies of the U.S. Government - North Dakota Tax Exempt (or Credit Taken)
Motor Vehicle Fuel	10	Gallons Sold to Native Americans - North Dakota Tax Exempt
Motor Vehicle Fuel	10G	Gallons Sold out of Tax-Paid Inventory
Special Fuel	1	Gallons Received in North Dakota - North Dakota Tax Paid
Special Fuel	2	Gallons Received in North Dakota - North Dakota Tax NOT Paid
Special Fuel	3	Gallons Imported into North Dakota by Your Business
Special Fuel	5	Gallons Sold for Resale - North Dakota Tax Paid
Special Fuel	5Q	Gallons Used or Sold to Consumers - North Dakota \$.23 per Gallon Tax Paid
Special Fuel	5X	Gallons Used or Sold to Consumers - North Dakota \$.04 per gallon Excise Tax Paid
Special Fuel	5Y	Gallons Used or Sold to Railroads - North Dakota \$.04 per gallon Excise Tax Paid
Special Fuel	6	Gallons Sold in North Dakota - North Dakota Tax NOT Paid
Special Fuel	7	Gallons Exported by Your Business
Special Fuel	8	Gallons Sold to Agencies of the U.S. Government - North Dakota Tax Exempt (or Credit Taken)
Special Fuel	10	Gallons Sold to Native Americans - North Dakota Tax Exempt
Special Fuel	10A	Gallons Sold for Heating Fuel \$.02 per Gallon (Jan 08 thru June 09 – Tax Exempt start Jul 09)
Special Fuel	10G	Gallons Sold out of Tax-Paid Inventory
Aviation Fuel	1	Gallons Received in North Dakota - North Dakota Tax Paid
Aviation Fuel	2	Gallons Received in North Dakota - North Dakota Tax NOT Paid
Aviation Fuel	3	Gallons Imported into North Dakota by your Business
Aviation Fuel	5	Gallons Sold for Resale - North Dakota Tax Paid
Aviation Fuel	5Q	Gallons Used or Sold to Consumers - North Dakota Tax Paid
Aviation Fuel	6	Gallons Sold in North Dakota - North Dakota Tax NOT Paid
Aviation Fuel	7	Gallons Exported by Your Business
Aviation Fuel	8	Gallons Sold to Agencies of the U.S. Government - North Dakota Tax Exempt (or Credit Taken)
Aviation Fuel	10G	Gallons Sold out of Tax-Paid Inventory

Report Type	Schedule Code	Description
Liquefied Petroleum	2	Gallons Received in North Dakota - North Dakota Tax NOT Paid
Liquefied Petroleum	3	Gallons Imported into North Dakota by Your Business
Liquefied Petroleum	5Q	Gallons Used or Sold to Consumers - North Dakota \$.23 per Gallon Tax Paid
Liquefied Petroleum	5X	Gallons Used or Sold to Consumers - North Dakota 2% Excise Tax Paid
Liquefied Petroleum	6	Gallons Sold in North Dakota for resale- North Dakota Tax NOT Paid
Liquefied Petroleum	7	Gallons Exported by Your Business
Liquefied Petroleum	8	Gallons Sold to Agencies of the U.S. Government - North Dakota Tax Exempt (or Credit Taken)
Liquefied Petroleum	10	Gallons Sold to Agencies of the U.S. Government - North Dakota Tax Exempt (or Credit Taken)
Liquefied Petroleum	10A	Gallons Sold for Heating Fuel 1% (Jan 08 thru June 09 – Tax Exempt start Jul 09)
Terminal Operator	15A	Terminal Operator Schedule of Receipts
Terminal Operator	15B	Terminal Operator Schedule of Disbursements

Appendix B - North Dakota Product Codes

Product Code	Description
054	Propane
065	Gasoline
072	Kerosene - Dyed
091	Waste Oil
122	Blending Components
124	Gasohol
125	Aviation Gasoline
130	Jet Fuel
142	Kerosene - Undyed
160	Diesel Fuel - Undyed
224	Compressed Natural Gas (CNG)
228	Diesel Fuel - Dye Added
241	Ethanol-Alcohol
243	Methanol
284	BioDiesel - Undyed (B100)
285	Soy Oil
290	BioDiesel - Dye Added (B100)

Appendix C - Summary Codes / TIA Codes

Summary Code and TIA Code Usage

Summary and TIA codes are used for the following purposes (See complete list of codes below.):

813 Map

1. Header - TIA code 5000 defines the version/publication number of the taxing authority's EC Implementation Guide. TIA code 5001 (Total Net Reported) is a check value for determining if all information is included in the EDI file.
2. TOR – Terminal Operator Report or SDR - Supplier/Distributor Report - TIA code 5002 (Physical Inventory) is used to report Ending and/or Beginning Inventory.
3. SDR – Supplier/Distributor Report – TIA code 5003 (Total Due) is a check value used to acknowledge and validate tax liability or taxable gallons.
4. CCR – Common Carrier Report – TIA code 5004 (Total Net Transported) is a check value used to acknowledge and validate the report.
5. SUM - Summary Code and TIA codes are used for identifying information not found in schedules or able to be derived from the schedules. The SUM loop provides a looping structure allowing multiple TIAs in a uniform format.
6. Schedules – TIA 5005 (Net), 5006 (Gross) and 5007 (Billed) are used to report bill of lading volume details or further define summary detail.
7. Summary codes are defined and utilized for both quantity and money. The TIA segment of the summary has elements for both quantity and monetary values.

Summary Codes

S01 Inventory

S01A	Net Gains / Losses
S01B	Casualty Loss
S01C	Product Transfer – Disbursement
S01D	Product Transfer – Receipt
S01E	Meter Test – Disbursement
S01F	Meter Test - Receipt

S02 Taxes/Fees

S02A	Tax
S02B	Transfer / Lust Fee
S02C	Inspection Fee
S02D	Other Environmental Fee
S02E	Gaseous Permit Fee

S03 Credit

S03A	Tax Credit
S03A01	Collection Allowance (IN – February 2002)
S03B	Fee Credit
S03B01	Transfer Fee Credit (MO – September 2001)
S03B02	Inspection Fee Credit (MO – September 2001)
S03C	Allowance

S04 Bad Debt Write-off

- S04A Tax Bad Debt Write-off
- S04B Fee Bad Debt Write-off

S05 General Report

- S05A Gallons/Liters Refined, Distilled or produced
- S05B Petroleum product repackaged into containers of 55 gallons or less
- S05C Ethanol Blended with Gasoline
- S05D Product Delivered
- S05E Other petroleum products first sold, offered for sale, or used in Nebraska
- S05F Total gallons of Motor Vehicle fuel first sold, offered for sale or used in Nebraska.
- S05G Untaxed diesel used in a licensed vehicle
- S05H Kerosene blended with diesel and used in a licensed vehicle
- S05I Other exempt removals (CA – May 2001)
- S05K Sales Price of Taxable Gallons (ND – January 2004)
(Sales Price of 2% Taxable Gallons)
- S05L Taxable sales gallons multiplied by the average sales price for a defined period (ND – Jan. 2004) (Sales Price of 1% Taxable Gallons)

FTA Uniformity TIA Codes

The data represented by these TIA codes is not derivable from schedules or represents a check value.

Code	Description	Type
500	Version of Taxing Authority's Implementation Guide	Header
5001	Total Net Reported	Header
5002	Net Physical Inventory	TOR, SDR
5003	Total Due	SDR
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
5011 - 5199	Not Used	(N/A)

Appendix D - Transaction Type Mode Codes

North Dakota Transaction Type Mode Codes	
Code	Description
B	Barge
J	Truck
R	Railroad
PL	Pipeline
S	Ship
GS	Gas Station
CE	Summary Information

The X12 standard requires two characters in the field using this code. When a single character is used, left justify and pad with a space.

Appendix E - United States, Canadian Provinces/Territories, and Mexican States Codes

United States of America (US) State	Abbreviation
Alabama	AL
Alaska	AK
Arizona	AZ
Arkansas	AR
California	CA
Colorado	CO
Connecticut	CT
Delaware	DE
District of Columbia	DC
Florida	FL
Georgia	GA
Hawaii	HI
Idaho	ID
Illinois	IL
Indiana	IN
Iowa	IA
Kansas	KS
Kentucky	KY
Louisiana	LA
Maine	ME
Maryland	MD
Massachusetts	MA
Michigan	MI
Minnesota	MN
Mississippi	MS
Missouri	MO
Montana	MT
Nebraska	NE
Nevada	NV
New Hampshire	NH
New Jersey	NJ
New Mexico	NM
New York	NY
North Carolina	NC
North Dakota	ND
Ohio	OH
Oklahoma	OK
Oregon	OR
Pennsylvania	PA
Rhode Island	RI
South Carolina	SC
South Dakota	SD
Tennessee	TN
Texas	TX
Utah	UT
Vermont	VT
Virginia	VA
Washington	WA
West Virginia	WV
Wisconsin	WI
Wyoming	WY

Canadian (CA) Province/Territory	Abbreviation
Alberta	AB
British Columbia	BC
Manitoba	MB
New Brunswick	NB
Newfoundland	NF
Northwest Territory	NT
Nova Scotia	NS
Nunavut	NU
Ontario	ON
Prince Edward Island	PE
Quebec	QC
Saskatchewan	SK
Yukon Territory	YT

Mexican (MX) State	Abbreviation
Aguascalientes	AG
Baja California	BJ
Baja California Sur	BS
Campeche	CP
Chiapas	CH
Chihuahua	CI
Coahuila	CU
Colima	CL
Distrito Federal	DF
Durango	DG
Guanajuato	GJ
Guerrero	GR
Hidalgo	HG
Jalisco	JA
Mexico	EM
Michoacan	MH
Morelos	MR
Nayarit	NA
Nuevo Leon	NL
Oaxaca	OA
Puebla	PU
Queretaro	QA
Quintana Roo	QR
San Luis Potosi	SL
Sinaloa	SI
Sonora	SO
Tabasco	TA
Tamaulipas	TM
Tlaxcala	TL
Veracruz	VZ
Yucatan	YC
Zacatecas	ZT

Appendix F - E-File Registration

This will be completed as part of the application process.

Appendix G - Amended Reports

What is an amended report?

An amended report is any data reported to the Tax Commissioner that adjusts or corrects an original tax filing.

How should I file an amended report?

The amendment indicator “CO” = Corrected must be used in BTI14 for an amended report file. Amended reports require a complete replacement of the information for a reporting period.

Can I put amendments for different periods in one envelope?

Yes, amendments for different periods (i.e, separate ST/SE loops) may be submitted in the same or in separate envelopes.

Sometimes our back-office systems process a schedule transaction with a bill of lading date for the previous filing period, but we have already filed that report with the Office of State Tax Commissioner’s Office. How should we handle these late loads?

You do not have to amend the previous filing period for late loads. Include those out-of-period transactions in the current filing period. However, loads from prior periods may require amended reports.

Appendix H - Sample EDI Files

Motor Vehicle Fuel Tax Report (SDR)

Each Motor Vehicle Fuel Report should be within one ST/SE loop.

```

ISA~00~      ~00~      ~ZZ~123456789  ~ZZ~ND0      ~080216~1619~|~00403~000001762~0~T~^\\
GS~TF~12345678~ND813050CP~20080216~161945~1762~X~004030\\
ST~813~2401~1\\
BTI~T6~050~47~ND~20080216~FUEL~24~123456789~49~1234~~~~00\\
DTM~194~20080131\\
TIA~5001~~~~95990~GA\\
N1~TP~Fuel Company\\
N3~1234 Any Street~P.O. Box 47\\
N4~Bismarck~ND~33311~US\\
PER~CN~G.C. Smith~TE~2225551111~FX~2225552222~EM~Gen.Contact@FuelCo.com\\
PER~EA~E.C. Jones~TE~2225551111~FX~2225552222~EM~EDI.Coord@FuelCo.com\\
TFS~T2~SDR\\
REF~55~1\\
DTM~184~20080131\\
TIA~5003~3230.86~~~95990~GA\\
FGS~EI~PG~054\\
REF~55~2\\
TIA~5002~~~~400~GA\\
FGS~EI~PG~065\\
REF~55~3\\
TIA~5002~~~~300~GA\\
TFS~T3~S02C~~~~94~CE\\
REF~55~4\\
FGS~S\\
REF~55~5\\
TIA~5005~3.98\\
TFS~T3~S03C~~~~94~CE\\
REF~55~6\\
FGS~S\\
REF~55~7\\
TIA~5005~66.82\\
TFS~T3~S02A~~~~94~CE\\
REF~55~8\\
FGS~S\\
REF~55~9\\
TIA~5008~0.00\\
TIA~5009~0.00\\
TFS~T3~1~PG~065~94~PL\\
REF~55~10\\
N1~SF~ND\\
N4~MANDAN~ND\\
N1~SE~FUELSSELLER~24~11133311174\\
N1~CA~FUEL CARRIER~24~999999999\\
N1~DT~TC~T45ND9999\\
FGS~D~BM~150034\\
REF~55~11\\
DTM~095~20080122\\
TIA~5005~~~~37000~GA\\
TIA~5006~~~~37000~GA\\
TIA~5007~~~~37000~GA\\
FGS~D~BM~456371\\
REF~55~12\\

```

DTM~095~200080122\
TIA~5005~~~43000~GA\
TIA~5006~~~43000~GA\
TIA~5007~~~43000~GA\
TFS~T3~5~PG~065~94~J\
REF~55~13\
N1~OT~~TC~T45ND9999\
N1~CA~FUEL TRANSPORTER~24~999999999\
N1~BY~BUYER AB~24~12312312370\
N1~ST~ND\
N4~MANDAN~ND\
FGS~D~BM~430023\
REF~55~14\
DTM~095~200080101\
TIA~5005~~~8000~GA\
TIA~5006~~~8000~GA\
TIA~5007~~~8000~GA\
FGS~D~BM~43567\
REF~55~15\
DTM~095~200080101\
TIA~5005~~~7990~GA\
TIA~5006~~~7990~GA\
TIA~5007~~~7990~GA\
SE~79~2401\
GE~1~1762\
IEA~1~000001762\

Motor Vehicle Fuel Tax Report (SDR) - No Activity (Zero Report)

ISA~00~ ~00~ ~ZZ~123456789 ~ZZ~ND0 ~080219~0926~|~00403~000001763~0~T~^\
GS~TF~12345678~ND813050CP~20080219~092700~1763~X~004030\
ST~813~2402~1\
BTI~T6~050~47~ND~20080219~FUEL~24~123456789~49~1234~~~00\
DTM~194~20080131\
TIA~5001~~~0~GA\
N1~TP~Fuel Company\
N3~1234 Any Street~P.O. Box 47\
N4~Bismarck~ND~33311~US\
PER~CN~G.C. Smith~TE~2225551111~FX~2225552222~EM~Gen.Contact@FuelCo.com\
PER~EA~E.C. Jones~TE~2225551111~FX~2225552222~EM~EDI.Coord@FuelCo.com\
TFS~T2~SDR\
REF~55~1\
REF~BE~1\
SE~13~2402\
GE~1~1763\
IEA~1~000001763\

Special Fuel Tax Report (SDR)

Each Special Fuel Tax Report should be within one ST/SE loop.

```

ISA~00~      ~00~      ~ZZ~123456789  ~ZZ~ND0      ~080206~1532~|~00403~000001786~0~T~^\\
GS~TF~12345678~ND813050CP~20080206~153247~1786~X~004030\\
ST~813~2428~1\\
BTI~T6~050~47~ND~20080206~FUEL~24~123456789~49~1230~~~00\\
DTM~194~20080131\\
TIA~5001~~~46010~GA\\
N1~TP~Fuel Company\\
N3~1234 Any Street~P.O. Box 47\\
N4~Bismarck~ND~33311~US\\
PER~EA~G.C. Smith~TE~2223445555~FX~2234234233~EM~Gen.Contact@FuelCo.com\\
PER~CN~E.C. Jones~TE~2223443333~FX~2234234233~EM~EDI.Coord@FuelCo.com\\
TFS~T2~SDR\\
REF~55~1\\
DTM~184~20080131\\
TIA~5003~1300.00~~46010~GA\\
TFS~T3~S02C~~~94~CE\\
REF~55~2\\
FGS~S\\
REF~55~3\\
TIA~5005~8.75\\
TFS~T3~S03C~~~94~CE\\
REF~55~4\\
FGS~S\\
REF~55~5\\
TIA~5005~13.00\\
TFS~T3~S02A~~~94~CE\\
REF~55~6\\
FGS~S\\
REF~55~7\\
TIA~5008~0.00\\
TIA~5009~0.00\\
TFS~T3~S01C~PG~160~94~CE\\
REF~55~8\\
FGS~S\\
REF~55~9\\
TIA~5006~~~8020~GA\\
TFS~T3~S01D~PG~228~94~CE\\
REF~55~10\\
FGS~S\\
REF~55~11\\
TIA~5006~~~7990~GA\\
TFS~T3~10A~PG~228~94~R \\
REF~55~12\\
N1~OT~~TC~T45ND9999\\
N1~CA~FUEL CARRIER~24~9999999999\\
N1~BY~BUYER ABC~24~12312312370\\
N1~ST~ND\\
N4~MANDAN~ND\\
FGS~D~BM~78522\\
REF~55~13\\
DTM~095~20080125\\
TIA~5005~~~5000~GA\\
TIA~5006~~~5000~GA\\

```

TIA~5007~~~5000~GA\
TFS~T3~5X~PG~228~94~R \
REF~55~14\
N1~OT~~TC~T45ND9999\
N1~CA~FUEL CARRIER~24~999999999\
N1~BY~BUYER AB~24~12312312370\
N1~ST~ND\
N4~MANDAN~ND\
FGS~D~BM~78877\
REF~55~15\
DTM~095~20080130\
TIA~5005~~~30000~GA\
TIA~5006~~~30000~GA\
TIA~5007~~~30000~GA\
SE~63~2428\
GE~1~1786\
IEA~1~000001786\

Liquefied Petroleum Gas Tax Report (SDR)

Each Liquefied Petroleum Gas Report should be within one ST/SE loop.

ISA~00~ ~00~ ~ZZ~123456789 ~ZZ~ND0 ~080206~1615~|~00403~000001787~0~T~^\
 GS~TF~12345678~ND813050CP~20080206~161604~1787~X~004030\
 ST~813~2429~1\
 BTI~T6~050~47~ND~20080206~FUEL~24~123456789~49~1236~~~00\
 DTM~194~20080131\
 TIA~5001~~~38000~GA\
 N1~TP~Fuel Company\
 N3~1234 Any Street~P.O. Box 47\
 N4~Bismarck~ND~33311~US\
 PER~EA~G.C. Smith~TE~2223445555~FX~2234234233~EM~Gen.Contact@FuelCo.com\
 PER~CN~E.C. Jones~TE~2223443333~FX~2234234233~EM~EDI.Coord@FuelCo.com\
 TFS~T2~SDR\
 REF~55~1\
 DTM~184~20080131\
 TIA~5003~440.00~~44000~GA\
 FGS~EI~PG~054\
 REF~55~2\
 TIA~5002~~~52000~GA\
 TFS~T3~S03C~~~94~CE\
 REF~55~3\
 FGS~S\
 REF~55~4\
 TIA~5005~4.40\
 TFS~T3~S05K~PG~054~94~CE\
 REF~55~5\
 FGS~S\
 REF~55~6\
 TIA~5005~320.00\
 TFS~T3~S05L~PG~054~94~CE\
 REF~55~7\
 FGS~S\
 REF~55~8\
 TIA~5005~120.00\
 TFS~T3~S02A~~~94~CE\
 REF~55~9\
 FGS~S\
 REF~55~10\
 TIA~5008~0.00\
 TIA~5009~0.00\
 TFS~T3~3~PG~054~94~R \
 REF~55~11\
 N1~OT~~TC~T39WI9999\
 N1~SE~SELLER X~24~55544455575\
 N1~CA~FUEL CARRIER~24~999999999\
 N1~DT~~TC~T45ND9999\
 FGS~D~BM~112244\
 REF~55~12\
 DTM~095~20080114\
 TIA~5005~~~30000~GA\
 TIA~5006~~~30000~GA\
 TIA~5007~~~30000~GA\
 TFS~T3~10A~PG~054~94~J \
 REF~55~13\

N1~OT~~TC~T45ND9999\
 N1~CA~FUEL TANKERS INC~24~999999999\
 N1~BY~BUYER ABCD~24~333322211170\
 N1~ST~ND\
 N4~BISMARCK~ND\
 FGS~D~BM~777888\
 REF~55~14\
 DTM~095~20080119\
 TIA~5005~~~6000~GA\
 TIA~5006~~~6000~GA\
 TIA~5007~~~6000~GA\
 TFS~T3~5X~PG~054~94~J \
 REF~55~15\
 N1~OT~~TC~T45ND9999\
 N1~CA~FUEL TANKERS INC~24~999999999\
 N1~BY~BUYER ABC~24~333322211170\
 N1~ST~ND\
 N4~BISMARCK~ND\
 FGS~D~BM~888999\
 REF~55~16\
 DTM~095~20080119\
 TIA~5005~~~8000~GA\
 TIA~5006~~~8000~GA\
 TIA~5007~~~8000~GA\
 SE~58~2429\
 GE~1~1787\
 IEA~1~000001787\

Aviation Fuel Tax Report (SDR)

Each Aviation Fuel Tax Report should be within one ST/SE loop.

```

ISA~00~      ~00~      ~ZZ~123456789  ~ZZ~ND0      ~080207~0955~|~00403~000001788~0~T~^\\
GS~TF~12345678~ND813050CP~20080207~095529~1788~X~004030\\
ST~813~2430~1\\
BTI~T6~050~47~ND~20080207~FUEL~24~123456789~49~1239~~~00\\
DTM~194~20080131\\
TIA~5001~~~46000~GA\\
N1~TP~Fuel Company\\
N3~1234 Any Street~P.O. Box 47\\
N4~Bismarck~ND~33311~US\\
PER~EA~G.C. Smith~TE~2223445555~FX~2234234233~EM~Gen.Contact@FuelCo.com\\
PER~CN~E.C. Jones~TE~2223443333~FX~2234234233~EM~EDI.Coord@FuelCo.com\\
TFS~T2~SDR\\
REF~55~1\\
DTM~184~20080131\\
TIA~5003~-55.67~~46000~GA\\
FGS~EI~PG~130\\
REF~55~2\\
TIA~5002~~~21500~GA\\
TFS~T3~S03C~~~94~CE\\
REF~55~3\\
FGS~S\\
REF~55~4\\
TIA~5005~0.00\\
TFS~T3~S02A~~~94~CE\\
REF~55~5\\
FGS~S\\
REF~55~6\\
TIA~5008~0.00\\
TIA~5009~0.00\\
TFS~T3~1~PG~130~94~R \\
REF~55~7\\
N1~SF~ND\\
N4~BISMARCK~ND\\
N1~SE~SELLER X~24~55544455575\\
N1~CA~FUEL CARRIER~24~999999999\\
N1~DT~~TC~T45ND9999\\
FGS~D~BM~125\\
REF~55~8\\
DTM~095~20080103\\
TIA~5005~~~30000~GA\\
TIA~5006~~~30000~GA\\
TIA~5007~~~30000~GA\\
TFS~T3~8~PG~130~94~J \\
REF~55~9\\
N1~OT~~TC~T45ND9999\\
N1~CA~FUEL TRANSPORTER~24~999999999\\
N1~BY~BUYER AB~24~12312312370\\
N1~ST~ND\\
N4~BISMARCK~ND\\
FGS~D~BM~127\\
REF~55~10\\
DTM~095~20080110\\
TIA~5005~~~8000~GA\\

```

TIA~5006~~~8000~GA\
TIA~5007~~~8000~GA\
FGS~D~BM~128\
REF~55~11\
DTM~095~20080110\
TIA~5005~~~8000~GA\
TIA~5006~~~8000~GA\
TIA~5007~~~8000~GA\
SE~65~2430\
GE~1~1788\
IEA~1~000001788\

Terminal Operator Report (TOR)

Each Terminal Operator Report should be within one ST/SE loop.

```
ISA~00~      ~00~      ~ZZ~123456789  ~ZZ~ND0      ~080206~1448~|~00403~000001782~0~T~^\  
GS~TF~12345678~ND813050CP~20080206~144850~1782~X~004030\  
ST~813~2425~1\  
BTI~T6~050~47~ND~20080206~FUEL~24~123456789~49~1235~~~00\  
DTM~194~20080131\  
TIA~5001~~~54000~GA\  
N1~TP~Fuel Company\  
N3~1234 Any Street~P.O. Box 47\  
N4~Bismarck~ND~33311~US\  
PER~EA~G.C. Smith~TE~2223445555~FX~2234234233~EM~Gen.Contact@FuelCo.com\  
PER~CN~E.C. Jones~TE~2223443333~FX~2234234233~EM~EDI.Coord@FuelCo.com\  
TFS~T2~TOR~~~TC~T45ND8888\  
REF~55~2\  
DTM~184~20080131\  
FGS~EI~PG~125\  
REF~55~3\  
TIA~5002~~~0~GA\  
TFS~T2~TOR~~~TC~T45ND9999\  
REF~55~4\  
REF~BE~1\  
TFS~T3~15A~PG~125~94~PL\  
REF~55~5\  
N1~OT~~TC~T45ND5555\  
N1~ON~POSITION HOLDER II~24~77788899973\  
N1~CA~FUEL CARRIER~24~999999999\  
N1~DT~~TC~T45ND8888\  
FGS~D~BM~12343\  
REF~55~6\  
DTM~095~20080122\  
TIA~5005~~~38000~GA\  
TIA~5006~~~38000~GA\  
TIA~5007~~~38000~GA\  
TFS~T3~15B~PG~125~94~J \  
REF~55~7\  
N1~OT~~TC~T45ND8888\  
N1~ON~POSITION HOLDER I~24~33344433388\  
N1~CA~FUEL TRANSPORTER~24~999999999\  
N1~BY~BUYER ABCD~24~23423423400\  
N1~ST~ND\  
N4~BISMARCK~ND\  
FGS~D~BM~110022\  
REF~55~8\  
DTM~095~20080128\  
TIA~5005~~~8000~GA\  
TIA~5006~~~8000~GA\  
TIA~5007~~~8000~GA\  
FGS~D~BM~7677\  
REF~55~9\  
DTM~095~20080128\  
TIA~5005~~~8000~GA\  
TIA~5006~~~8000~GA\  
TIA~5007~~~8000~GA\  
SE~51~2425\  
GE~1~1782\  
IEA~1~000001782
```