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1

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## References

Subcommittee - X12G - Government

Task Group 2 (X12G/TG2)

Tax Information Interchange Development

TIGERS

World Wide Web site: <a href="http://www.x12.org">http://www.x12.org</a>

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FTA Uniformity Guide Motor Fuel Tax Section, Uniformity Project Federation of Tax Administrators (FTA)

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World Wide Web site: http://www.taxadmin.org

# Chapter 1 – Introduction

#### **Changes From Previous Version**

- Page 1-6 Updated zero return filing guidance in the "Important Tips" section.
- Page 1-7 Updated General Contact information.

#### **Description**

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

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

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

#### File Naming

Format:

IA-Name-License #-ccyymm-nn.edi

- IA is the state abbreviation
- Name is the first four characters of the company name
- License # is the 9 digit license number assigned by lowa
- Ccyymm is the reporting year and month
- Nn represents an original or amended return
  - o 00 for an original return
  - 01 for the first amended return
  - o 02 for the second amended return
  - o etc

Example:

IA-Sinc-704123456-200509-00.edi

"IA" the state of lowa

"Sinc" the first four characters of the company name

"704123456" the license number issued by lowa
"200509" the reporting year and month
"00" the file contains an original return

#### **Important Tips**

- All electronic submissions must consist of a single functional group enclosing a single 813 transaction set. Multiple 813 transactions sets within a file are not allowed.
- Multiple TOR returns within an 813 transaction set will be allowed as long as they are all for the same tax period and same license number.
- Prior period loads may be reported on the current tax period being submitted.
- The only valid value for Original Filing Option (BTI13) is 00 Original.
- The only valid value for Amended Filing Option (BTI14) is CO Corrected.
- Round to whole gallons. Round down all amounts less than .50 and round up all amounts of .50 through .99. Decimal points are not valid in the gallon fields.
- When reporting terminal codes, you must use the Internal Revenue Service terminal codes that have been assigned to every terminal and refinery in the United States. Any other terminal codes may result in errors.
- Email addresses must contain an @ symbol.
- The "tax due" in your file (TIA02 when TFS02 = S02 and TIA01 = 5005) must match the amount due calculated by the system.
- The "Total Net Reported" (TIA04 when TIA01 = 5001) must equal the sum of gross gallons (sum of TIA04 when TIA01 = 5006) reported in the file.
- The license number in BTI10 must match the license number on the screen for which you are filing.
- The tax period end date (DTM02 when DTM01 = 194) must match the tax period selected on the screens for which you are filing.
- Please make certain that the information on the tax return is correct before filing electronically.
- Please provide complete information. Do not shorten names or cities unless an abbreviation is required.
- You must enter the manifest number or bill of lading on each schedule unless reporting a summary.
- If you are a third party filer sending the return for a taxpayer, please let us know your federal employer identification number before sending a file. (The Sender ID (ISA06) and Software Provider Number (BTI12 when BTI11 is SV) are validated against a database of approved filers).
- Information required on SDR and TOR schedules: Schedule Code, Product Code, Carrier Name, Carrier FEIN, Mode, Origin Terminal Code, Seller Name, Seller FEIN, Origin State, Purchaser Name, Purchaser FEIN, Destination State, Bill of Lading Date, Bill of Lading Number, and Gross Gallons.
- Information required on CCR schedules: Same as SDR and TOR schedules with Consignor Name and Consignor FEIN required.
- The FEIN in ISA06 is validated against a database of approved filers and must match a valid approved FEIN.
- If filing a zero return, an EDI file does not need to be submitted. Select the "I do not have gallons to report. I want to file a zero return." option in response to the question "Do you have gallons to report this period?" on the GovConnectIowa screen sequence step titled "Activity".

#### **IRS Terminal Codes (TCN)**

A listing of the IRS Terminal Codes most commonly used in Iowa can be found in <a href="Appendix G">Appendix G</a>. All IRS Terminal Codes will be accepted. A complete listing of all IRS Terminal Codes can be found at <a href="http://www.irs.gov/Businesses/Small-Businesses-&-Self-Employed/Terminal-Control-Number-TCN-Terminal-Locations-Directory">http://www.irs.gov/Businesses/Small-Businesses-&-Self-Employed/Terminal-Control-Number-TCN-Terminal-Locations-Directory</a>.

#### **Iowa Motor Fuel Tax Licensees**

A listing of current lowa Motor Fuel Tax Licensees may be found at: https://tax.iowa.gov/reports?term\_node\_tid\_depth=84

#### **Contact Information**

EDI Contact: Scott Fisher
Phone: 515-601-4417
Fax: 515-281-3756

Email: <u>mailto:scott.fisher1@iowa.gov</u>

General Contact: Taxpayer Services
Phone: 515-281-3114
Fax: 515-281-3756

Email: mailto:idrmotorfuel@iowa.gov

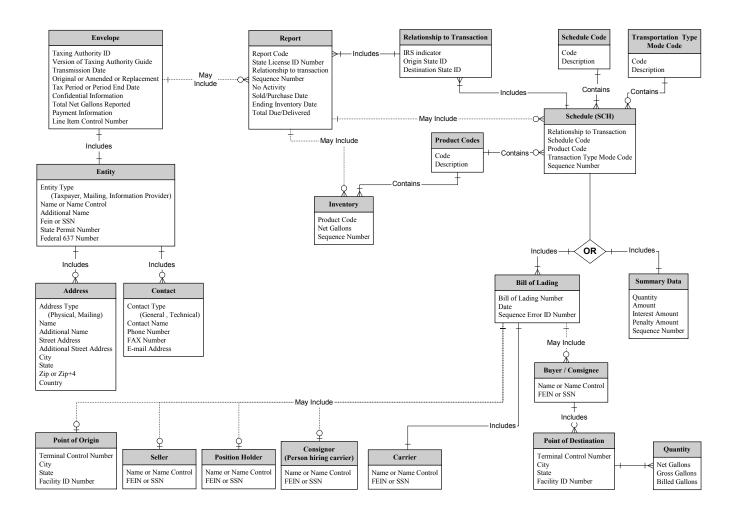
Note: All correspondence should be mailed to the following address:

Iowa Department of Revenue Compliance: Fuel Tax Unit

PO Box 10456

Des Moines, IA 50306-0456

# Chapter 2 – Motor Fuels X12 Data Model



# Chapter 3 – X12 Attribute and Separator Conventions

### **Attribute Conventions**

Attribute	Definition							
Data Element Type	Nn – Numeric	Numeric type data element is symbolized by the two-position representation (Nn). N indicates a numeric, and n indicates the decimal places to the right of a fixed, implied decimal point. N0 (N Zero) is a numeric with no decimal places.						
	R – Decimal (Real)	The decimal point is optional for integer values, but is required for fractional values. For negative values, the leading minus (-) sign is used. Absence of this sign indicates a positive value. The plus (+) sign should not be transmitted.						
	ID – Identifier	An identifier data element must always contain a value from a predefined list of values that is maintained by ASC X12 or by other bodies that are recognized by ASC X12.						
	AN – String	A string (Alphanumeric) is a sequence of any characters from the basic or extended character sets. It must contain at least one nonspace character. The significant characters must be left justified. Leading spaces, if any, are assumed to be significant. Trailing spaces should be suppressed.						
	DT – Date	Format for the date type is CCYYMMDD. CC is the century digits of the year (ex. 19, 20). YY is the last two digits of the year (00-99), MM is the numeric value of the month (01-12), and DD for the day (01-31).						
	TM – Time	Format for the time type is HHMMSS, expressed in 24-hour clock format. HH is the numeric value for hour (00-23), MM for minute (00-59), and SS for second (00-59).						
Requirement Designator	M Mandatory d O Optional data or is based or X Relational da one is presen	ement is used in a segment.  ata element - This element is required to appear in the segment.  a element - The appearance of this data element is at the option of the sending party in a mutual agreement of the interchange parties.  ata element - Relational conditions may exist between two or more data elements. If t the other/s is required. The relational condition is displayed under the Syntax  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	of a des	lata element within a segment may have a designator (Z) that indicates the existence a semantic note. Semantic notes are considered part of the standard. If a condition ignator and a semantic note both affect a single data element, the condition will lear first, separated from the semantic note designator by a vertical bar ( ). 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	4 <del>F</del>		Pipe
Segment Terminator	5C	<del>E0</del>	\	Back Slash
Element Separator	7E	<del>A1</del>	~	Tilde
Sub-element Separator	5E	<del>5F</del>	^	Caret
Padding Character	20	40	Space	Space

# Chapter 4 – X12 EDI Envelope

## **Envelope Flows**

	Functional Group Header -820 Transaction Set (ACH Payment)	1
· GE	Functional Group Trailer · · · · · · · · · · · · · · · · · · ·	<del></del>
GS	Functional Group Header -813 Transaction Set (Combined Reporting) -813 details are defined in this guide.	
GE	Functional Group Trailer · · · · · · · · · · · · · · · · · · ·	<u></u>
A Int	erchange Control Trailer · · · · · · · · · · · · · · · · · · ·	
A I	nterchange Control Header·····	
GS	Functional Group Header	
	620 details are defined in this guide.	
	Functional Group Trailer	<u></u>
Int	Functional Group Trailer erchange Control Trailer	
A Int	Functional Group Trailer erchange Control Trailer nterchange Control Header	
A I	Functional Group Trailer erchange Control Trailer nterchange Control Header	
A I	Functional Group Trailer  erchange Control Trailer  nterchange Control Header  5 Functional Group Header  -151 Transaction Set (Electronic Filing of Tax Return Data Acknowledgement)  151 details are defined in this guide.  Functional Group Trailer	······
A IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	Functional Group Trailer  erchange Control Trailer  nterchange Control Header  5 Functional Group Header  -151 Transaction Set (Electronic Filing of Tax Return Data Acknowledgement)	······
A I GS GE	Functional Group Trailer  erchange Control Trailer  nterchange Control Header  5 Functional Group Header  -151 Transaction Set (Electronic Filing of Tax Return Data Acknowledgement)  151 details are defined in this guide.  Functional Group Trailer	**************************************

Note: The Iowa Department of Revenue only accepts envelopes containing a single functional group (i.e., a single GS-GE sequence) and a single 813 transaction set (i.e., single return or report) within a file. All electronic submissions must consist of a single functional group enclosing a single 813 transaction set. Transaction sets 151, 820 and 826 are not used for Iowa.

Key: Not Used Not used Syntax Notes

**FTA Notes** 

Strikethrough

Note: Notes defined by X12 Standards
Note: Notes defined by FTA Uniformity

## **Interchange Control Header Description**

Element ID	Elem							
		Sub-Ele	Field	Field Name	Field	Len		Field
	Ref#	Ref#	Status		Type	Min.	Max.	Description
ISA01	I01		M	Authorization Information Qualifier	ID	2	2	(No meaningful information in ISA02) "03" – Additional Data Identification
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.
ISA03	103		M	Security Information Qualifier	ID	2	2	"00" = No Security Information Present (No meaningful information in ISA04) "01" = Password
ISA04	I04		M	Security Information	AN	10		This is used for identifying the security information about the interchange sender of the data in the interchange.
ISA05	I05		M	Interchange ID Qualifier	ID	2		"01" = DUNS Number "32" = Employer's Identification Number "ZZ" = ID qualifier published by the sender used to designate the sender ID element being qualified.
ISA06	106		M	Interchange Sender ID	AN	15	15	Sender's FEIN Number plus 6 spaces [xxxxxxxxx ]
ISA07	105		M	Interchange ID Qualifier	ID	2	2	"01" – DUNS Number  '32" = Employer's Identification Number  "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	"421223822 " = Department of Revenue FEIN number plus 6 spaces.
ISA09	108		M	Interchange Date	DT	6	6	"YYMMDD" = Date Of The Interchange
ISA10	109		M	Interchange Time	TM	4	4	"HHMM" = Time Of The Interchange
ISA11	I65		M	Repetition Separator		1	1	" " = EBCDIC = 4F HEX ASCII = 7C HEX
ISA12	I11		M	Interchange Control Version Number	ID	5	5	"00403" = ASC X12.
ISA13	I12		M	Interchange Control Number	N0	9	9	identifies the interchange data to the sender. The sender assigns this number. This control number should never be reused for any future filings. This number should also be entered in IEA02.
ISA14	I13		M	Acknowledgment Requested	ID	1	1	"0" = No Acknowledgment Required "1" = Acknowledgment Required
ISA15	I14		M	Usage Indicator	ID	1	1	"P" = Production Data "T" = Test Data
ISA16	I15		M	Component Sub-Element Separator		1	1	"^" = EBCDIC 5F HEX ASCII – 5E HEX

Example:

ISA~00~ ~00~ ~32~123456789 ~32~421223822 ~050822~0931~|~00403~000000001~0~T~^\

Syntax Notes:	None	
FTA Notes:	ISA09 does not include the century based on the ANSI ASC X12 Standard.	
Iowa Notes:	None	
		Т

#### **Electronic Signature Method:**

The following example illustrates how the ISA01-ISA04 can serve as an electronic signature.

- ISA01 is 03 (zero three). ISA01 qualifies ISA02 as an authorization code.
- ISA02 is the ten-digit authorization code provided by the taxing authority. This code, in conjunction with the tendigit password in ISA04, will represent your signature that is affixed to a trading partner agreement.
- ISA03 is 01 (zero one). ISA03 qualifies ISA04 as a security password.
- ISA04 is the ten-digit password that is created by the trading partner and entered on the trading partner agreement. This password, in conjunction with ISA02 authorization code, will represent your signature that is established on the trading partner agreement.

#### **Functional Group Header Description**

Function	Functional Group Segment (Required)											
Element	Elem.	Sub-Ele	Field	Field Name	Field	Len	gth	Field				
ID	Ref#	Ref#	Status		Type	Min.	Max.	Description				
GS01	479		M	Functional Identifier Code	ID	2	2	"TF" = 813 Transaction Set				
								"RA" = 820 Transaction Set				
								"TI" = 826 Transaction Set				
								"FA" = 997 Transaction Set				
GS02	142		M	Application Sender's Code	AN	2	15	"123456789" = Taxpayer FEIN Number				
GS03	124		M	Application Receiver's Code	AN	2	15	"421223822" Department of Revenue FEIN				
								Number.				
GS04	373		M/Z	Date	DT	8	8	"CCYYMMDD" = Date				
GS05	337		M/Z	Time	TM	4	6	"HHMMSS" = Time				
GS06	28		M/Z	Group Control Number	N0	1	9	Filer defined unique control number for this				
								filing. This control number should never be				
								reused for any future filings. This number should				
								also be entered in GE02.				
GS07	455		M	Responsible Agency Code	ID	1	2	"X" = ASC X12				
GS08	480		M	Version/ Release / Industry	AN	1	12	"004030"				
				Identifier Code								

Example:

GS~TF~123456789~421223822~20050823~0931~1101~X~004030\

Syntax Notes:	None
FTA Notes:	None
Iowa Notes:	None

813 Electronic Filing of Tax Return Data – see page 5-14

997 Functional Acknowledgement – see page 6-42

## **Functional Group Trailer Description**

Function	Functional Group Segment (Required)										
Element	Elem.	Sub-Ele	Field	Field Name	Field	Length		Field			
ID	Ref#	Ref#	Status		Type	Min.	Max.	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)			
Example: GE~1~110											
Syntax I	Notes:		None	e							
FTA Notes: None											
Iowa Notes: None											

## **Interchange Control Trailer Description**

Function	Functional Group Segment (Required)									
Element	Elem.	Sub-Ele	Field	Field Name	Field	Len	gth	Field		
ID	Ref#	Ref#	Status		Type	Min.	Max.	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).		
Example:										
IEA~10~0	0000000	01\								
Syntax N	Notes:		Non	e						
FTA Notes: None										
Iowa No	tes:		None	e						
	1.1010									

# Chapter 5 - 813 EDI Combined Reporting

#### ANSI ASC X12 - 813 EDI Standard

RELEASE • 004030

TRANSACTION SET TABLES • 813

#### 813 Electronic Filing of Tax Return Data

FUNCTIONAL GROUP: TF

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

		Tab	le 1			
NOTE	POS.NO.	SEG.ID	NAME	REQ.DES.	MAX USE	LOOP REPEAT
	0100	ST	Transaction Set Header	M	1	
	0200	<u>BTI</u>	Beginning Tax Information	M	1	
	0300	DTM	Date/Time Reference	М	10	
N	0400	TIA	Tax Information and Amount	О	1000	
	0430	REF	Reference Identification	О	10	
	0450	TRN	Trace	О	1000	
	0470	<u>BPR</u>	Beginning Segment for Payment Order/Remittance Advice	0	1000	
			LOOP ID - N1			
N	0500	<u>N1</u>	<u>Name</u>	0	1	
	0600	<u>N2</u>	Additional Name Information	0	2	
	0700	IN2	Individual Name Structure Components	0	10	
	0800	<u>N3</u>	Address Information	0	2	
	0900	<u>N4</u>	Geographic Location	0	1	
	1000	<u>PER</u>	Administrative Communications Contact	0	2	
		 Tab	le 2			
OTE	POS.NO.	SEG.ID	NAME	REQ.DES.	MAX USE	LOOP REPEAT
			LOOP ID - TFS			1000
			<u>Tax Form</u>	О	1	
	0200		Reference Identification	О	10	
	0300		Date/Time Reference	О	10	
	0400	MSG	Message Text	0	1000	
			LOOP ID - N1	_		>
N			Name	0	1	
	0600	_	Additional Name Information	О	2	
			Individual Name Structure Components	О	10	
	0800	_	Address Information	О	2	
	0900	<u>N4</u>	Geographic Location	0	1	
			LOOP ID - TIA			10000
N			Tax Information and Amount	0	1	
	0940 0960		Date/Time Reference Message Text	0	10 1000	
			LOOP ID - FGS	-		10000
	1000	FGS	Form Group	0	1	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
	1100		Reference Identification	o	10	
	1100		Date/Time Reference	0	10	
	1200			_		
	1200		LOOP ID - N1			>1

DECEMBER 1999 1

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<sup>&</sup>lt;sup>1</sup> Data Interchange Standards Association, Inc. (DISA)

813 •	TRANSA	CTION	SET TABLES		F	RELEASE • 004030
	1400	<u>N2</u>	Additional Name Information	0	2	
	1500	IN2	Individual Name Structure Components	0	10	111
	1600	<u>N3</u>	Address Information	0	2	111
	1700	<u>N4</u>	Geographic Location	0	1	
			LOOP ID - TIA			10000
N	1800	TIA	Tax Information and Amount	0	1	
	1900	DTM	Date/Time Reference	0	10	111
	2000	MSG	Message Text	0	1000	
		— Tab	le 3			
NOTE	POS.NO.	SEG.IE	D NAME	REQ.DES.	MAX USE	LOOP REPEAT
	0100	<u>SE</u>	Transaction Set Trailer	M	1	
		Chan	ges 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 DECEMBER 1999

<sup>2</sup> Data Interchange Standards Association, Inc. (DISA)

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# **813 Combined Reporting Structure**

#### Table1

Pos No	Uniform 813 Map	Header						
0100	ST	Transaction Set Header						
0200	BTI	Identify Tax Agency Information						
0300	DTM	Tax Filing Period						
0400	TIA	Confidential Information						
0400	TIA	Total Net Reported						
0430	REF	Sequence Number						
0470	BPR	Payment Information						
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	Report	SUM	SCH
0100	TFS	Report	Summary Information	Schedules
0200	REF	Relationship to the Transaction	Relationship to the Transaction	Relationship to the Transaction
0200	REF	Sequence Number	Sequence Number	Sequence Number
0200	REF	No Activity		
0300	DTM	Sold/Purchase Date		
0300	DTM	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/Transported		
1000	FGS	Physical Inventory by Product	Summary Data	Bill of Lading
1100	REF	Sequence Number	Sequence Number	Sequence Number
1200	DTM			Bill of Lading Date
1800	TIA	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

```
Transaction Set Header (TS 813)—
BTI Identify Tax Agency Information
- 0100
                                                                                                                                     Max 1
      0200
      0300
0400
                            Tax Filing Period
                 DTM
                            Confidential Information
                 TIA
      0400
                 TIA
                            Total Net Reported
      0430
                 REF
                            Line Item Control Number
      0470
                 BPR
                            Payment Order/Remittance Advice
     -0500
                  N1 Loop
N2
                               Taxpayer Name Detail
Additional Taxpayer Name Detail
                                                                                                                                Max 1
            0800
                       N3
                                  Address Detail
                                  City, State, Zip Code Detail
            0900
                       N4
                       PER
                                  General Contact Person
            1000
            1000
                       PER
                                  EDI Contact Person
                               Mailing Name Detail

Additional Mailing Name Detail

Mailing Address Detail
     -0500
                  N1 Loop
                                                                                                                                Max 1
            0600
                       N2
            0800
                       N3
            0900
                                  Mailing City, State, Zip Code Detail
     0100 0200
                                Report Information
                                                                                                                        Max 100,000
                                  Relationship to the Transaction Information
                      REF
            0200
                                  Sequence Number
            0200
                       RFF
                                  No Activity
            0300
                                  Sold/Purchased Date
                       DTM
            0300
                       DTM
                                  Ending Inventory Date
            0920
                       TIA
                                  Total Due/Transported
                                    Physical Inventory by Product
          -1000
                      FGS Loop
                                                                                                                  Max 100,000-
                 1100
                           REF
                                       Sequence Number
                                       Physical Inventory
                 TFS Loop
REF
     - 0100 0200
                                Summary Information
Relationship to the Transaction information
                                                                                                                        Max 100,000
                                                                                                                                          Maximum Number of TFS Loops
                      REF
           0200
                                 Sequence Number
                      FGS Loop
                                    Summary Data
          -1000
                                                                                                                   Max 100.000
                 1100
                            REF
                                       Sequence Number
                 1800
                            TIA
                                       Information
                            TIA
                 1800
                                       Interest
                 1800
                            TIA
                                       Penality
     = 0100
                 TFS Loop
                                Schedules
                                                                                                                                          = 100,
            0200
                                  Relationship to the Transaction information
            0200
                       REF
                                  Sequence Number
            0500
                       N1
                                  Point of Origin
                                                                                                                                           Š
            0500
                                  Seller Information
           0500
0500
                      N1
N1
                                  Position Holder Information / Delivering Exchange Party Information
                                 Receiving Exchange Party Information Person Hiring Carrier (Consignor)
            0500
                       N1
            0500
                       N1
                                  Carrier Information
                                 Buyer/Consignee Information Point of Destination
            0500
                       N<sub>1</sub>
            0500
                      N1
                      FGS Loop
                                     Bill Lading-
          -1000
                                                                                                                   Max 100.000-
                 1100
                                       Sequence Number
                            REF
                 1200
                            DTM
                                       Bill of Lading Date
                            TIA
TIA
                                       Bill of Lading Net
Bill of Lading Gross
                 1800
                 1800
                                       Bill of Lading Billed
```

-0100 SE Transaction Set Trailer-

## **Transaction Set - Header Description**

Beginnir	Reginning of Transaction Set (Required)											
Header S	Segme	nt						Pos. No. 0100				
Element	Elem	Sub-Ele	Field	Field Name	Field	Len	gth	Field				
ID	Ref#	Ref#	Status		Type	Min	Max	Description				
ST01	143		M	Transaction Set Code	ID	3	3	"813" = Transaction Set Type				
ST02	329		M	Transaction Set Control Number	AN	4	9	Filer defined unique control number for this filing. This control number should never be reused for any future filings. This number should also be entered in SE02.				
ST03	1705		O/Z	Implementation Convention Reference	AN	1	5	Version of taxing authority's implementation guide.				
Example: ST~813~1		1\										
Syntax 1	Notes:		Noi	ne								
FTA No	otes:					-		ify which implementation guide the e receiver of the data determine if the				

ST03 must contain a whole number (i.e. 1 instead of 1.01)

**Iowa Notes:** 

**Syntax Notes:** 

sender is using an old guide or the most current guide for the data transmission.

<b>Identify</b>	dentify Tax Agency Information (Required)											
Begin Ta	x Info	rmation	Segmer	nt				Pos. No. 0200				
Element	Elem	Sub-Ele	Field	Field Name	Field	Len	gth	Field				
ID	Ref#	Ref#	Status		Type	Min	Max	Description				
BTI01	128		M	Reference Number Qualifier	ID	2	2	"T6" = Defines as Tax Filing				
BTI02	127		M	Reference Number	AN	3	3	"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	"421223822" = IA Dept of Revenue FEIN number.				
BTI05	373		О	Transaction Create Date	DT	8	8	"CCYYMMDD" = Transmission Date				
BTI06	818		0	Name Control ID	AN	4	4	First 4 positions of Taxpayer's Legal Business Name. If business name is less than 4 characters, left justify name control and pad with "*".				
BTI07	66		X	ID Code Qualifier	ID	2	2	"24" = FEIN Federal Employer Identification Number "34" = Social Security Number "50" = BN – Canadian Business Number				
BTI08	67		X	ID Code	AN	9	18	Taxpayer's FEIN or SSN or BN				
BTI09	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	"48" = IRS Electronic Filer ID Number "SV" = Software Provider Number				
BTI12	67		X	ID Code	AN	9	18	637 Permit Number or State Assigned Software Provider Number				
BTI13	353		O	Transaction Set Purpose Code	ID	2	2	Original Filing Options: "00" = Original "05" = Replace "15" = Resubmission				
BTI14  Example:	640		0	Transaction Type Code	ID	2	2	Amended Filing Options:  "6R" = Resubmission  "6S" = Supplemental  "CO" = Corrected				

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.

BTI~T6~050~47~421223822~20050823~ABC\*~24~516999988~49~704123456~SV~ZY0001~00\

FTA Notes:	BTI07 must be the FEIN if the taxpayer has one. Submit a SSN only for sole
	proprietorships that have not been issued a FEIN. In Canada, companies use a BN –
	Canadian Business Number.
	The application of the BTI13 and BTI14 are as follows: BTI13 should be used when the
	taxpayer transmits their initial return (BTI13 should be used without BTI14); BTI14 should
	be used when the taxpayer transmits modifications (BTI14 should be used without BTI13).
	This is a recommendation of the motor Fuel Uniformity Committee, not a requirement of
	X12. Further clarification of these elements are located below.
Element	Application
<b>BTI13</b> [Initial Return]	
"00" = Original	Use "Original" when first attempt to transmit your return to the department, no matter if the Department
	receives your return.
<u>"05" = Replace</u>	Use "Replace" when first attempt of transmitted return had corrupted data.
"15" - Resubmission	Use "Resubmission" when the Department did not receive first attempt of your transmitted return.
BTI14 [Amended Retur	n]
"CO" = Corrected	Use "Corrected" when adjusting or correcting original or amended return
"6R" = Resubmission	Use "Resubmission" when first attempt to transmit amended return was not received by the Department.
"6S" = Supplemental	Use "Supplemental" when transmitting new or additional data not included in original or amended return.
Iowa Notes:	For BTI13, Iowa will not use codes 05 and 15. For BTI14, Iowa will not use codes 6R and 6S.

Tax Filin	Tax Filing Period (Required)											
Date/Tin	Date/Time Reference Segment Pos. No. 0300											
Element	Elem	Sub-Ele	Field	Field Name	Field	Len	gth	Field				
ID	Ref#	Ref#	Status		Type	Min	Max	Description				
DTM01	374		M	Date/Time Qualifier	ID	3	3	"194" = Tax Period End Date				
								"683" = Filing Period				
DTM02	373		X	Date	DT	8	8	"CCYYMMDD" = Tax Filing Period End				
DTM03 through DTM04 are not used.												
DTM05	1250		X	Date Time Period Format Qualifer	₩	3	3	"RD8" = Range of Dates				
DTM06	1251		X	Date Time Period	AN	17	17	"CCYYMMDD CCYYMMDD" - Tax Filing				
								Period Beginning and Ending Dates.				
Example:												
DTM~194	~20050	0823\										
Syntax I	Notes:		At l	east one of DTM02 or DTM0	5 is rec	uired	l.					
•				ither DTM05 or DTM06 is pr				her is required.				
FTA No	tes:				M01, then DTM05 and DTM06 are not used.							
	If qualifier "683" is used in DTM01, then							is not used.				
Iowa No	Iowa Notes: DTM02 is required.											

Confider	Confidential Data (Not Used)										
	Tax Information and Amount Segment Pos. No. 0400										
Element	Elem	Sub-Ele	Field	Field Name	Field	Len	<del>igth</del>	<del>Field</del>			
<del>ID</del>	Ref#	Ref#	<b>Status</b>		<b>Type</b>	Min	Max	<b>Description</b>			
TIA01	C037	817	M	Tax Information Code	AN	4	4	"5010" Confidential Information			
TIA02 is r	<del>iot used</del>										
TIA03	449		X	Fixed Format Information	AN	1	5	User Defined:			
								Example: "6103" = IRS 6103 C Tax Data			
Example:	:										
TIA~5010	0-6103\	1									
Syntax 1	Notes:		TI	103 is required.							
FTA No	tes:		Thi	s segment is used only between	en the states and the IRS.						
Iowa Notes: Not Used by Iowa Departmen				Used by Iowa Department o	f Rever	<del>ue.</del>	·				

Total Ne	Total Net Reported										
Tax Information and Amount Segment Pos. No. 0400											
Element	Elem	Sub-Ele	Field	Field Name	Field	Len	gth	Field			
ID	Ref#	Ref#	Status		Type	Min	Max	Description			
TIA01	C037	817	M	Tax Information Code	AN	4	4	"5001" = Total Net Reported			
TIA02 and	d TIA03	3 are not u	sed.								
TIA04	380		X	Quantity	R	1	15	Total Number of Net Gallons (Total number of Gallons (Gross) before any adjustments)			
TIA05	C001	355	M	Unit of Measurement Code	ID	2	2	"GA" = Gallons "LT" = Liters			
Example: TIA~5001		00000~GA	1/								
Syntax 1	Notes:			A04 is required. TA05 is present, then TIA04	is requ	ired.					
G C						lculated, it is included, as a control figure to verify that the uthority is the same as expected by the taxpayer.					
Iowa No	otes:			The gallons reported here will be the total of all Gross gallons before adjustments. This is NOT a sum of all the gallons reported as "net" gallons on a schedule.							

Line Ite	Line Item Control Number (Sequence Number)										
Referen	Reference Number Segment Pos. No. 0430										
Element	Elem	Sub-Ele	Field				<del>Field</del>				
<del>ID</del>	Ref#	Ref#	<b>Status</b>		<b>Type</b>	Min	Max	<b>Description</b>			
REF01	128	-	M	Reference Identification Number	<del>ID</del>	2	2	"FJ" Line Item Control Number			
REF02	127		X	Reference Identification	AN	4	9	Control Number			
REF-FJ-	Example:  REF-FJ-0001234\ Syntax Notes:  REF02 is required.										
J	FTA Notes:  This segment is used to identify information for error processing. This segment can be generated by the filer when first filing to assist in identifying information or when responding to an error reported.  REF02 is always required.  Not Used by lowa										

The payment order remittance advice is included as a convenience for industry if a taxing authority accepts a BPR segment.

The recommendation is **not** to mandate this as the only method of payment a taxing authority accepts.

	Payment Order Remittance Advice (Not Used) Beginning Segment Pos. No. 0470										
Element	Elem	Sub-Ele	Field	Field Name	Field	Len	<del>igth</del>	<del>Field</del>			
HD	Ref#	Ref#	Status		Type	Min	Max	<b>Description</b>			
BPR01	305		M	Transaction handling Code	<del>ID</del>	1	2	"S" = Single Debit Authorization			
				_				"P" = Pre-notification			
BPR02	782		M	Monetary Amount	R	1	18	Amount of Tax payment			
BPR03	478		M	Credit/Debit Flag Code	<del>ID</del>	1	1	"D" = Debit			
BPR04	<del>591</del>		M	Payment Method Code	<del>ID</del>	3	3	"ACH" = Automated Clearing House			
BPR05	812		M	Payment Format Code	<del>ID</del>	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 the file with the party that creates the ACH Debit transaction. The taxpayer transmits empty fields for these elements.

DDD 10	<b>5</b> 06	***		T.			
BPR12	<del>506</del>	$\frac{X}{Z}$	(RDFI) ID Number Qualifier	<del>ID</del>	2	2	"01" = ABA Transit Routing Number and Check- Digits
BPR13	507	X	(RDFI) Identification Number	AN	3	12	Taxpayer's Bank Routing and Transit Number
BPR14	<del>569</del>	O/Z	(RDFI) Account Number Qualifier	<del>ID</del>	1	3	"DA" = Demand Deposit
							"SG" = Savings
BPR15	<del>508</del>	X/Z	(RDFI) Account Number	AN	1	<del>35</del>	Taxpayer's Bank Account to be Debited
BPR16	373	O/Z	Date	DT	8	8	The intended payment effective date-
							(CCYYMMDD)
BPR17	1048	<del>O/Z</del>	Business Function Code	₩	1	3	"TAX" = Tax Payment
BPR16	373	O/Z	Date	DT	8	8	The intended payment effective date-
							(CCYYMMDD)

Example: 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.
Iowa Notes:	Not Used by Iowa

Name Do	Name Detail							
Name Segment Pos. No. 050							Pos. No. 0500	
Element	Elem	Sub-Ele	Field	Field Name	Field	Len	gth	Field
ID	Ref#	Ref#	Status		Type	Min	Max	Description
N101	98		M	Entity Identification Code	ID	2	2	"TP" = Primary Taxpayer
				-				"L9" = Information Provider
N102	93		X	Name	AN	1	35	Name
E								

Example: N1~TP~ABC Oil Company\

Syntax Notes:	N102 is required
	N101: Use "TP for tax reporting or "L9" for information reporting
Iowa Notes:	None

Addition Addition				tail				Pos. No. 0600
Element	Elem	Sub-Ele	Field	Field Name	Field	Ler	igth	Field
ID	Ref#	Ref#	Status		Type	Min	Max	Description
N201	93		M	Name	AN	1	35	Taxpayer Name
N202	93		О	Name	AN	1	35	Taxpayer Name
Evample								

Example: N2~ABC Trucking~ABC Station\

Iowa Notes: None

Address	Address Detail							
Address Information Segment Pos. No. 0800								
Element	Elem	Sub-Ele	Field	Field Name	Field	Ler	gth	Field
ID	Ref#	Ref#	Status		Type	Min	Max	Description
N301	166		M	Address Information	AN	1	35	First Line Street Address
N302	166		О	O Address Information AN 1 35 Second Line Street Address				Second Line Street Address
Example								
N3~123 C	Street-	PO Box 2	222\					
Syntax 1	Notes:		Noi	ie				
FTA No	FTA Notes: None							
Iowa Notes: None								
	Towa Totals							

	City, State, Zip Code Detail							
Location Geographic Segment Pos. No. 0900								
Element	Elem	Sub-Ele	Field	Field Name	Field	Len	igth	Field
ID	Ref#	Ref#	Status		Type	Min	Max	Description
N401	19		О	City Name	AN	2	30	Name of City
N402	156		О	State or Province Code	ID	2	2	State or Province Abbreviation
N403	116		О	Postal (Zip) Code	ID	3	11	ZIP Code, ZIP Plus 4 Code or Foreign Postal code
N404	26		О	Country Code	ID	2	3	Country Abbreviation (United States = USA)
Example N4~Des N		-IA~50317	'-2222~I	J <b>SA</b> \				
Syntax 1	Notes:		Noi	ne				
FTA No	FTA Notes: None							
Iowa Notes: None								

General	General Contact Person									
Adminis	strative	Commu	ınicatio	ns Contact Segment				Pos. No. 1000		
Element	Elem	Sub-Ele	Field	Field Name	Field	Ler	ıgth	Field		
ID	Ref#	Ref#	Status		Type	Min	Max	Description		
PER01	366		M	Contact Function Code	ID	2	2	Contact Type Code: "CN" = General Contact		
PER02	93		О	Name	AN	1	35	Contact Name		
PER03	365		X	Communications Number Qualifier	ID	2	2	"TE" = Telephone Number		
PER04	364		X	Communications Number	AN	10	14	Voice Telephone Number		
PER05	365		X	Communications Number Qualifier	ID	2	2	"FX" = FAX Number		
PER06	364		X	Communications Number	AN	10	10	FAX Telephone Number		
PER07	365		X	Communications Number Qualifier	ID	2	2	"EM" = Email Address		
PER08	364		X	Communications Number	AN	1	80	E-mail Address		
	~John D			88~FX~3139950329~EM~john.						
				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 No	otes:		Noi	1e				•		
Iowa No	otes:		Noi	1e						

EDI Cor	ntact P	erson					
Adminis	trative	e Commu	nicatio	ns Contact Segment			Pos. No. 1000
Element	Elem	Sub-Ele	Field	Field Name	Field	Length	Field

ID	Ref#	Ref#	Status		Type	Min	Max	Description
PER01	366		M	Contact Function Code	ID	2	2	Contact Type Code:
								"EA" = EDI Cordinator
PER02	93		О	Name	AN	1	35	Contact Name
PER03	365		X	Communications Number	ID	2	2	"TE" = Telephone Number
				Qualifier				
PER04	364		X	Communications Number	AN	10	14	Voice Telephone Number
PER05	365		X	Communications Number	ID	2	2	"FX" = FAX Number
				Qualifier				
PER06	364		X	Communications Number	AN	10	10	FAX Telephone Number
PER07	365		X	Communications Number	ID	2	2	"EM" = Email Address
				Qualifier				
PER08	364		X	Communications Number	AN	1	80	E-mail Address
Evample								

Example:

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
Iowa Notes:	None

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

Mailing Name Se								Pos. No. 0500
Element	Elem	Sub-Ele	Field	Field Name	Field	Len	gth	Field
ID	Ref#	Ref#	Status		Type	Min	Max	Description
N101	98		M	Entity Identification Code	ID	2	2	"31" = Postal Mailing
N102	93		X	Name	AN	1	35	Mailing Name

Example: N1~31~ABC Oil Corp\

Syntax Notes:	N102 is required
FTA Notes:	None
<b>Iowa Notes:</b>	None

	Mailing Additional Name Detail Additional Name Segment Pos. No. 0600								
Element	Elem	Sub-Ele	Field	Field Name	Field	Ler	igth	Field	
ID	Ref#	Ref#	Status		Type	Min	Max	Description	
N201	93		M	Name	AN	1	35	Mailing Name	
N202	93		О	Name	AN	1	35	Mailing Name	

Example: N2~ABC Trucking~ABC Station\

Syntax Notes:	None
FTA Notes:	None
Iowa Notes:	None

Mailing .	Mailing Address Detail								
Address	Address Information Segment Pos. No. 0800								
Element	Elem	Sub-Ele	Field	Field Name	Field	Ler	ıgth	Field	
ID	Ref#	Ref#	Status		Type	Min	Max	Description	
N301	166		M	Address Information	AN	1	35	First Line Street Address	
N302	166		О	Address Information	AN	1	35	Second Line Street Address	
Example:									
N3~123 C	ity Stre	et~PO Bo	x 222\						
Syntax 1	Notes:		Noi	ne					
FTA No	FTA Notes: None								
Iowa No	Iowa Notes: Non-			ne					

		state, Zip						Dog No 0000
Element	Elem	raphic So Sub-Ele	Field	Field Name	Field		gth	Pos. No. 0900 Field
ID	Ref#	Ref#	Status		Type	Min	Max	Description
N401	19		O	City Name	AN	2	30	Name of City
N402	156		О	State or Province Code	ID	2	2	State or Province Abbreviation
N403	116		О	Postal (Zip) Code	ID	3	11	ZIP Code, ZIP Plus 4 Code or Foreign Postal code
N404	26		О	Country Code	ID	2	3	Country Abbreviation (United States = USA)
Example: N4~Des N		IA~50317	'-2222~I	JSA\				
Syntax 1	Notes:		Noi	ne				
FTA Notes: None			1e					
Iowa Notes:			Noi	ne				

#### **End of Transaction Set Header**

## **Transaction Set - Report Information**

This TFS loop reports information on the type of report. Transaction detail is reported using the Summary and Schedule section of this map.

Repeat the FGS loop within the TFS loop for each product reported.

Beginnir	ng of I	Report									
Tax For	Fax Form Segment Pos. No. 0100										
Element	Elem	Sub-Ele	Field	Field Name	Field	Len	gth	Field			
ID	Ref. #	Ref. #	Status		Type	Min	Max	Description			
TFS01	128		M	Reference Identification Qualifier	ID	2	2	"T2" = Tax Form Code			
TFS02	127		M	Reference Identification	AN	1	6	Report Code: "SDR" = Distributor Report "TOR" = Terminal Operator Report "CCR" = Carrier Report "RET" = Retailer Report			
TFS03 and	1 TFS04	are not use	ed								
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~	SDR\										
Syntax 1	Notes:		If e	ither TFS05 or TFS06 is prese	ent, the	en the	othe	r is required.			
FTA No	tes:		TF	TFS05 and TFS06 are only used on a terminal report.							
Iowa No	Iowa Notes:			ne							

Relation	ship to	the Tra	nsactio	n Information				(Not Used)			
Reference	-							Pos. No. 0200			
Element	Elem	Sub-Ele	Field	Field Name	Field	Ler	<del>igth</del>	<del>Field</del>			
₩	Ref#	Ref#	Status		<del>Type</del>	Min	Max	<b>Description</b>			
REF01	128	-	M	Reference Identification Qualifier	₩	2	2	"SU" = Special Processing			
REF02	127		M	Reference Identification	AN	3	3	IRS = IRS Data			
								N/A = If not applicable to the IRS			
REF03 not	used										
REF04	C040	128	M	Reference Identification Qualifier	₩	2	2	"S0" = Special Approval (S Zero)			
01											
REF04	C040	<del>127</del>	M	Reference Identification	AN	2	2	State Abbreviation for the state which it belongs to			
<del>02</del>											
REF04	C040	128	X	Reference Identification Qualifier	ID.	2	2	"S0" = Special Approval (S Zero)			
03											
REF04	C040	<del>127</del>	X	Reference Identification	AN	2	2	State Abbreviation for the state which it belongs to			
04											
Example:											
REF~SU~	IRS	SO^MT\									
Syntax 1	Notes:		RE	<del>F02 is required</del>							
FTA No	tes:		RE	F02, REF04 02 and REF04 04	repre	sent t	he tax	xing authorities and their relationship to			
				the information in this TFS loop.							
				F05 REF07 use the sub elem		arate	ır_				
<del>Iowa No</del>	tos.			: Used by Iowa	circ sep	ai att	,,,				
<del>10Wa N</del>	<del>nes:</del>		± <del>10</del> 1	. <del>Oscu ny 10wa</del>							

Sequence	Sequence Number								
Reference	Reference Number Segment Pos. No. 0200								
Element	Elem	Sub-Ele	Field	Field Name	Field	Len	gth	Field	
ID	Ref#	Ref#	Status		Type	Min	Max	Description	
REF01	128		M	Reference Identification Qualifier	ID	2	2	"55" = Sequence Number	
REF02	127		X	Reference Identification	AN	1	20	Sequence Number	
REF03	352		X	Description	AN	1	5	Error Response Code (See Appendix H)	

Example: REF~55~0001234\

Syntax Notes:	At least one of REF02 and REF03 is required.
FTA Notes:	This segment is used to identify information for error processing. This segment can be
	generated by the filer when first filing to assist in identifying information or when
	responding to an error reported.
	REF02 is always required. REF03 is used for responding to an error.
Iowa Notes:	None
	·

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

No Activ	To Activity (Conditional)									
Reference	Reference Number Segment Pos. No. 0200									
Element	Elem	Sub-Ele	Field	Field Name	Field	Len	gth	Field		
ID	Ref#	Ref#	Status		Type	Min	Max	Description		
REF01	128		M	Reference Identification Qualifier	ID	2	2	"BE" = Business Activity		
REF02	127		X	Reference identification	AN	1	1	"1" = No Activity		
Evample										

Example: REF~BE~1\

Syntax Notes:	REF02 is required	
FTA Notes:	If an account has no activity, this segment is required	
Iowa Notes:	None	

Sold/Aco	old/Acquired Date (Conditional)									
Date/Tin	Date/Time Reference Segment Po									
Element	Elem	Sub-Ele	Field	Field Name	Field	Len	gth	Field		
ID	Ref#	Ref#	Status		Type	Min	Max	Description		
DTM01	374		M	Date/Time Qualifier	ID	3	3	"572" = Date Property Sold		
								"631" = Date Property Acquired		
DTM02	373		X	Date	DT	8	8	"CCYYMMDD"		
_										

Example:

DTM~572~20050520\

Syntax Notes:	DTM02 is required.
FTA Notes:	This segment is used once when you purchase or sell a terminal.
Iowa Notes:	Only one Sold Date and/or one Acquired Date is allowed per EDI return.

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

Ending I	Ending Inventory Date												
Date/Tin	Date/Time Reference Segment Pos. No. 0300												
Element	Sub-Ele	Field	Field Name	Field Length		gth	Field						
ID	Ref#	Ref#	Status		Type	Min	Max	Description					
DTM01	374		M	Date/Time Qualifier	ID	3	3	"184 = Inventory Date					
DTM02	373		X	Date	DT	8	8	"CCYYMMDD"					
Example:													
DTM~184	l~20010	0520\											
Syntax 1	Syntax Notes: DTM02 is required												
FTA No	FTA Notes: None												

Total Du	ıe/Trai	nsported						(Conditional)
Tax Info	rmatio	on and A	mount	Segment				Pos. No. 0920
Element Elem Sub-Ele F			Field	Field Name	Field	Length		Field
ID	Ref#	Ref#	Status		Type	Min	Max	Description
TIA01	C037	817	M	Tax Information ID Number	AN	4	4	"5003" = Total Due
								"5004" = Total Net Transported
TIA02	782		X	Monetary Amount	R	1	15	Dollar Amount (Total Tax Due from the
								transactions in this file)
TIA03	Not	Used						
TIA04	380		X	Quantity	R	1	15	Quantity
TIA05	C001	355	M	Unit of Measurement Code	ID	2	2	"GA" = Gallons
								"LT" = Liters
Example:	:							
TIA~5003	~25000	or TIA	~5003~2	25000~~100000~GA\				
Syntax 1	Notes:		At	least one of TIA02 or TIA04 is	s requi	red.		
				TIA05 is present, then TIA04 i	_			
FTA No	tes:		Tot	tal Due/Transported is passed	as a cl	ieck v	alue	and represents dollars and/or quantity.

Physical	Inven	tory by I	Product					(Conditional)
Form G	roup S	egment						Pos. No. 1000
Element	Elem	Sub-Ele	Field	Field Name	Field	Len	gth	Field
ID	Ref#	Ref#	Status		Type	Min	Max	Description
FGS01	350		M	Assigned Identification	AN	2	2	"BI" = Beginning Inventory (First Filing)
								"EI" = Ending Inventory
								"GL" = Gains and Losses
FGS02	128		X	Reference Identification Qualifier	AN	2	2	"PG" = Product Group
FGS03	127		X	Reference Identification	AN	3	5	Product Code
	l			I	I			

If TIA01 = "5003", then TIA02 is the total amount due from line 16 of 81-010, Iowa Fuel

See Product Codes in Appendix C

Example:

Iowa Notes:

**Iowa Notes:** 

None

Tax Return.

FGS~EI~PG~065\	
Syntax Notes:	If either FGS02 or FGS03 is present, then the other is required.
FTA Notes:	FGS01 Recommend BI only be used for first filing. Beginning inventory is the previous
	period's ending inventory.
	FGS01 GL TIA04 is Positive for a gain and negative for a loss.
Iowa Notes:	None

Sequence	Sequence Number													
Referenc	Reference Number Segment Pos. No. 1100													
Element	Element   Elem   Sub-Ele   F			Field Name	Field	Len	igth	Field						
ID	Ref#	Ref#	Status		Type	Min	Max	Description						
REF01	128		M	Reference Identification Qualifier	ID	2	2	"55" = Sequence Number						
REF02	127		X	Reference Identification	AN	1	20	Sequence Number						
REF03	352		X	Description	AN	1	5	Error Response Code (See Appendix H)						
Example:														
REF~55~0	،00123	4\												
Syntax N	Syntax Notes:  This segment is used to identify information for error processing. This segment can be generated by the filer when first filing to assist in identifying information or when responding to an error reported.  At least one of REF02 or REF03 is required.													
FTA Notes: REF02 is always required. REF03 is used for responding to an error.														
Iowa Notes: None														

Inventor	ry							(Required if FGS is Used)			
Tax Info	rmati	on and A	mount	Segment				Pos. No. 1800			
Element	Elem	Sub-Ele	Field	Field Name	Field	-	gth	Field			
ID	Ref #	Ref #	Status		Type	Min	Max	Description			
TIA01	C037	817	M	Tax Information ID Number	AN	4	4	"5002" = Net Physical Inventory			
TIA02 and	TIA03	are not use	ed								
TIA04	380		X	Quantity	R	1	15	Quantity			
TIA05	C001	355	M	Unit of Measurement Code	ID	2	2	"GA" = Gallons			
								"LT" = Liters			
Example	:										
TIA~5002	2~~~1	0000~GA\	١								
Syntax 1	<b>Notes:</b>		TIA	A04 is required.							
			If T	TIA05 is present, then TIA04 i	s requi	ired.					
FTA No	otes:		Phy	Physical Inventory is the only value passed. All other information is derivable from							
schedules.											
Iowa No	Iowa Notes: None										

End of FGS loop (Line item detail) End of TFS loop (detail)

#### **Transaction Set - 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 can not be derived from the schedule details. This TFS loop repeats when one of the following values change: TFS02 Summary Code, TFS04 Product Code, TFS06.

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

Beginnin	Reginning of Summary Information											
Tax Fori	m Segi	ment						Pos. No. 0100				
Element	Elem	Sub-Ele	Field	Field Name	Field	Length		Field				
ID	Ref#	Ref#	Status		Type	Min	Max	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 (See Appendix D)				
TFS03	128		X	Reference Identification Qualifier	ID	2	2	"PG" = Product Group				
TFS04	127		X	Reference Identification	AN	3	5	Product Code (See Appendix C)				
TFS05	66		X	Identification Code Qualifier	ID	2	2	"T2" = Tax Form Code "94" = Mode				
TFS06	67		X	Reference Identification	AN	1	6	Report Code (See Appendix I) or "CE" = Mode				
Example: TFS~T3~S		G~228~94	~CE\									
Syntax I	Notes:			ither TFS03 or TFS04 is pres ither TFS05 or TFS06 is pres								
FTA Notes:				TFS02 references the report the summary is associated with.  If TFS05 = "94" then TFS06 = "CE". If TFS05 = "T2" then TFS06 = Report Code (See Appendix I)								
Iowa No	tes:		Noi									

Reference			II SACTIO	n Information				(Not Used) Pos. No. 0200					
Element	Elem	Sub-Ele	Field	d Field Name	Field Lengtl		<del>igth</del>	Field Field					
₩	Ref#	Ref#	Status		<del>Type</del>	Min	Max	<b>Description</b>					
REF01	128	-	M	Reference Identification Qualifier	₩	2	2	"SU" = Special Processing					
REF02	127		M	Reference Identification	AN	3	3	IRS = IRS Data					
								N/A = If not applicable to the IRS					
REF03 not	t used												
REF04	C040	<del>128</del>	M	Reference Identification Qualifier	₩	2	2	"S0" = Special Approval (S Zero)					
<del>)1</del>				,				. , ,					
REF04	C040	<del>127</del>	M	Reference Identification	AN	2	2	State Abbreviation for the state which it belongs to					
<del>92</del>													
REF04	C040	<del>128</del>	X	Reference Identification Qualifier	<del>ID</del>	2	2	"S0" = Special Approval (S Zero)					
03													
REF04	C040	<del>127</del>	X	Reference Identification	AN	2	2	State Abbreviation for the state which it belongs to					
04													
Example:													
REF~SU~	IRS	<del>\$0^MT\</del>											
Syntax 1	Notes:		RE	F02 is required									
FTA No	tes:		RE	REF02, REF04 02 and REF04 04 represent the taxing authorities and their relationship to									
				the information in this TFS loop.									
				REF05 REF07 use the sub element separator.									
Iowa No	otog.			Used by Iowa									

Sequenc	Sequence Number										
Reference	Reference Number Segment Pos. No. 0200										
Element	Elem	Sub-Ele	Field	Field Name	Field	Len	gth	Field			
ID	Ref#	Ref#	Status		Type	Min	Max	Description			
REF01	128		M	Reference Identification Qualifier	ID	2	2	"55" = Sequence Number			
REF02	127		X	Reference Identification	AN	1	20	Sequence Number			
REF03	352		X	Description	AN	1	5	Error Response Code (See Appendix H)			
Evanoria.											

Example: REF~55~0001234\

Syntax Notes:	At least one of REF02 and REF03 is required.
FTA Notes:	This segment is used to identify information for error processing. This segment can be
	generated by the filer when first filing to assist in identifying information or when
	responding to an error reported.
	REF02 is always required. REF03 is used for responding to an error.
Iowa Notes:	None

Summar	ummary Data													
Forms Group Segment Pos. No. 1000														
Element	Elem	Sub-Ele	Field	Field Name	Field	Ler	igth	Field						
ID	Ref#	Ref#	Status		Type	Min	Max	Description						
FGS01	350		M	Assigned Identification	ID	1	1	"S" = Schedule Summary						
Example:														
FGS~S\														
Syntax 1	Notes:		Noi	ne										
FTA No	tes:		Noi	ne										
Iowa Notes: None														

Sequence	Sequence Number										
Reference	Reference Number Segment Pos. No. 1100										
Element	Elem	Sub-Ele	Field	Field Name	Field	Len	gth	Field			
ID	Ref#	Ref#	Status		Type	Min	Max	Description			
REF01	128		M	Reference Identification Qualifier	ID	2	2	"55" = Sequence Number			
REF02	127		X	Reference Identification	AN	1	20	Sequence Number			
REF03	352		X	Description	AN	1	5	Error Response Code (See Appendix H)			

Example: REF~55~0001234\

Syntax Notes:	At least one of REF02 and REF03 is required.					
FTA Notes:	This segment is used to identify information for error processing. This segment can be					
	generated by the filer when first filing to assist in identifying information or when					
	responding to an error reported.					
	REF02 is always required. REF03 is used for responding to an error.					
Iowa Notes:	None					

Informat	Information									
Tax Info	Γax Information and Amount SegmentPos. No. 1800									
Element	Elem	Sub-Ele	Field	Field Name	Field	Len	gth	Field		
ID	Ref#	Ref#	Status		Type	Min	Max	Description		
TIA01	C037	817	M	Tax Information ID Number	AN	4	4	TIA Code (See Appendix D)		
TIA02	782		X	Monetary Amount	R	1	15	Dollar Amount		
TIA03 not	used									
TIA04	380		X	Quantity	R	1	15	Quantity		
TIA05	C001	355	M	Unit of Measurement Code	ID	2	2	"GA" = Gallons		
								"LT" = Liters		
Example:										
TIA~5006	5~5625.	00~~2500	0~GA\							
Syntax I	Notes:		At	least one of TIA02 or TIA04 is	s requi	red.				
			If T	TIA05 is present, the TIA04 is	requir	ed.				
FTA No	FTA Notes: None									
Iowa No	Iowa Notes: None									
			1-10-							

Interest									
Tax Info	rmati	on and A	mount	Segment					Pos. No. 1800
Element	Elem	Sub-Ele	Field	Field Name	Field	Len	gth		Field
ID	Ref#	Ref#	Status		Type	Min	Max		Description
TIA01	C037	817	M	Tax Information ID Number	AN	4	4	"5008" = Interest	
TIA02	782		X	Monetary Amount	R	1	15	Dollar Amount	
Example	:								
TIA~5008	3~500.0	0\							
Syntax :	Notes:		TIA	A02 is required					
FTA Notes: None									
Iowa Notes: None									

Penalty	Penalty							
Tax Info	Fax Information and Amount Segment Pos. No. 1800							
Element	Elem	Sub-Ele	Field	Field Name	Field	Len	igth	Field
ID	Ref#	Ref#	Status		Type	Min	Max	Description
TIA01	C037	817	M	Tax Information ID Number	AN	4	4	"5009" = Penalty
TIA02	782		X	Monetary Amount	R	1	15	Dollar Amount
Example:	:							
TIA~5009	9~250.0	0/						
Syntax 1	Notes:		TIA	A02 is required				
FTA No	FTA Notes: None							
Iowa No	Iowa Notes: None							

End of FGS loop (Summary Data) End of TFS loop (Summary Information) 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, CCR and/or other report type sections of this map.

#### **Transaction Set - Schedules**

Beginnin	Beginning of Schedules									
Tax For	m Segr	ment						Pos. No. 0100		
Element	Elem	Sub-Ele	Field	Field Name	Field	Len	gth	Field		
ID	Ref#	Ref#	Status		Type	Min	Max	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 B)		
TFS03	128		X	Reference Identification Qualifier	ID	2	2	"PG" = Product Group		
TFS04	127		X	Reference Identification	AN	3	5	Product Code		
								(See Appendix C)		
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 E)		
Example:										
TFS~T3~1	~PG~0	65~94~J\								
Syntax 1	Notes:		Noi	ne e						
FTA Notes:			If e	If either TFS03 or TFS04 is present, then the other is required.						
				either TFS05 or TFS06 is present, then the other is required.						
Iowa Notes: If Mode Code has only one character ("J", add a blank space										

Relation	Relationship to the Transaction Information (Not Used)										
Reference Segment Pos. No. 020											
Element	Elem	Sub-Ele	Field	Field Name	Field	Len	gth	<del>Field</del>			
₩	Ref#	Ref#	Status		Type	Min	Max	<b>Description</b>			
REF01	128	-	M	Reference Identification Qualifier	<del>ID</del>	2	2	"SU" = Special Processing			
REF02	127		M	Reference Identification	AN	3	3	IRS = IRS Data			
								N/A = If not applicable to the IRS			
REF03 not	t used										
REF04	C040	128	M	Reference Identification Qualifier	<del>ID</del>	2	2	"S0" = Special Approval (S Zero)			
REF05	C040	127	M	Reference Identification	AN	2	2	State Abbreviation for the state which it belongs to			
REF06	C040	128	X	Reference Identification Qualifier	<del>ID</del>	2	2	"S0" = Special Approval (S Zero)			
REF07	C040	127	X	Reference Identification	AN	2	2	State Abbreviation for the state which it belongs to			
Example	:										
REF-SU-	IRS	S0^MT\									
Syntax 1	Notes:		RE	F02 is required							
FTA No	tes:				esent tl	<del>ie tax</del>	ing a	uthorities and their relationship to the			
				information in this TFS loop.							
REF05 REF07 use the sub elen					ont son	arato	ır_				
Iowa No	atos.			: Used by Iowa	ciic sep	ai ato					
towa in	<del>nes:</del>		11101	. <del>Useu by Iowa</del>							

Sequenc	Sequence Number									
Reference Number Segment Pos. No. 02										
Element	Elem	Sub-Ele	Field	Field Name	Field	Len	gth	Field		
ID	Ref#	Ref#	Status		Type	Min	Max	Description		
REF01	128		M	Reference Identification Qualifier	ID	2	2	"55" = Sequence Number		
REF02	127		X	Reference Identification	AN	1	20	Sequence Number		
REF03	352		X	Description	AN	1	5	Error Response Code (See Appendix H)		
E				<u> </u>				<u> </u>		

Example:

REF~55~0001234\

TEET DE COUTEDIN						
Syntax Notes:	At least one of REF02 and REF03 is required.					
FTA Notes:	This segment is used to identify information for error processing. This segment can be					
	generated by the filer when first filing to assist in identifying information or when					
	responding to an error reported.					
	REF02 is always required. REF03 is used for responding to an error.					
Iowa Notes:	None					
	·					

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 Name Se								(One of three options is required) Pos. No. 0500
Element							gth	Field
ID	Ref#	Ref#	Status		Type	Min	Max	Description
N101	98		M	Entity Identification Code	ID	2	2	"OT" = Origin Terminal
N102	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 (See Appendix G)

Example:

N1~OT~~TC~T42IA3457\

111 01 10 1121115 10 11	
Syntax Notes:	N103 and N104 are required
FTA Notes:	None
Iowa Notes:	None

Option 2

Point of	Origin	1						(One of three options is required)
Name Segment 1 Pos. No. 05								
Element	Elem	Sub-Ele	Field	Field Name	Field	Len	gth	Field
ID	Ref#	Ref#	Status		Type	Min	Max	Description
N101	98		M	Entity Identification Code	ID	2	2	"SF" = Ship From
N102	93		X	Name	ID	2	2	Origin State Abbreviation

Example: N1~SF~IA\

Syntax Notes: N102 is required
FTA Notes: None

FTA Notes: None
Iowa Notes: None

Point of	Point of Origin								
Name Se	Name Segment 1 Pos. No. 0500								
Element	Elem	Sub-Ele	Field	Field Name	Field	Len	gth	Field	
ID	Ref#	Ref#	Status		Type	Min	Max	Description	
N401	19		О	City Name	AN	2	30	Name of City	
N402	156		О	State or Province Code	ID	2	2	State or Province Abbreviation	
N403	116		О	Postal (Zip) Code	ID	3	11	Zip Code, Zip Plus 4 Code or Foreign Postal Code	
N404	26		О	Country Code	ID	2	3	Country Abbreviation (United States = USA)	
N405	309		X	Location Qualifier	ID	1	2	"CY" = County	
N406	310		О	Location Identifier	AN	1	5	County	

Example:

N4~Des Moines~IA~50317-2222~USA\

Syntax Notes:	None
FTA Notes:	N404 through N406 are optional
	N406 is based on the federal county codes
	N405 and N406 are not in the IRS 4030 map
Iowa Notes:	None

Option 3

Option o								
<b>Point of</b>	Point of Origin (One of three options is required)							
Name Se	Name Segment 1 Pos. No. 0500							
Element	Elem	Sub-Ele	Field-	Field Name	Field Length			<del>Field</del>
₩	Ref#	Ref#	Status		<del>Type</del>	Min	Max	<b>Description</b>
N101	98	-	M	Entity Identification Code	₩	2	2	"WO" = Storage Facility at Origin
N102	Not	Used						
N103	66		X	Identification Code Qualifier	<del>ID</del>	2	2	"FA" = Facility Identification
N104	<del>67</del>	-	X	Identification Code	AN	2	<del>20</del>	Nonterminal Storage Facility License Number

Example: N1-WO-FA-714123456\

Syntax Notes:	N103 and N104 are required
FTA Notes:	None
Iowa Notes:	Not Used by Iowa

Seller/Su	Seller/Supplier Information							
Name Segment 2 Pos. No. 050								
Element	Elem	Sub-Ele	Field	Field Name	Field	Len	gth	Field
ID	Ref#	Ref#	Status		Type	Min	Max	Description
N101	98		M	Entity Identification Code	ID	2	2	"SE" = Selling Party
N102	93		X	Name	AN	1	35	Seller's Name
N103	66		X	Identification Code Qualifier	ID	2	2	"24" = FEIN
								"34" = SSN
								"50" = BN – Canadian Business Number
N104	67		X	Identification Code	AN	9	18	Seller's FEIN, SSN, or BN
Evample	Evample:							

Example: N1~SE~Fuel Seller Inc~24~419999999\

Syntax Notes:	At least one of N102 and N103 are required
	If either n103 or N104 is present, the other is required
FTA Notes:	N102, N103, N104 are required
Iowa Notes:	None

	Position Holder Information or Delivering Exchange Party Information Name Segment 3 Pos. No. 0500							
Element	Elem	Sub-Ele	Field	Field Name	Field	ield Length		Field
ID	Ref#	Ref#	Status		Type	Min	Max	Description
N101	98		M	Entity Identification Code	ID	2	2	"ON" = Position Holder
N102	93		X	Name	AN	1	35	Position Holder's Name
N103	66		X	Identification Code Qualifier	ID	2	_	"24" = FEIN "34" = SSN "50" = BN – Canadian Business Number
								"FI" = Federal Taxpayer 637 ID Number
N104	67		X	Identification Code	AN	9	18	Position Holder's FEIN, SSN, or BN or IRS 637 Number

Example: N1~ON~Fuel Position Holder Inc~24~419999999\

THE OIL TUCHTOSHION II	older me Z+ +17777777
Syntax Notes:	At least one of N102 and N103 are required
	If either n103 or N104 is present, the other is required
FTA Notes:	If reporting position holder or 2-party exchange information this segment is required. For
	2-party exchanges this segment defines the party of origin.
	N102, N103, N104 are required.
Iowa Notes:	None

	Receiving Exchange Party Information Name Segment 4 Pos. No. 0500							
Element	Elem	Sub-Ele	Field	Field Name	Field	Len	gth	Field
ID	Ref#	Ref#	Status		Type	Min	Max	Description
N101	98		M	Entity Identification Code	ID	2	2	"EC" = Exchanger
N102	93		X	Name	AN	1	35	Exchange Party Name
N103	66		X	Identification Code Qualifier	ID	2	2	"24" = FEIN
								"34" = SSN "50" = BN – Canadian Business Number
								"FI" = Federal Taxpayer 637 ID Number
N104	67		X	Identification Code	AN	9	18	Exhanger's FEIN, SSN, or BN or IRS 637 Number

Example: N1~EC~Fuel Exchange Receiver Inc~24~419999999\

Syntax Notes:	At least one of N102 and N103 are required
	If either n103 or N104 is present, the other is required
FTA Notes:	N102, N103, N104 are required.
Iowa Notes:	None

Person F	Person Hiring Carrier (Consignor)							
Name Se	Name Segment 4 Pos. No. 0500							
Element	Elem	Sub-Ele	Field	Field Name	Field	Len	gth	Field
ID	Ref#	Ref#	Status		Type	Min	Max	Description
N101	98		M	Entity Identification Code	ID	2	2	"CI" = Consignor Name (Person Hiring the
								Carrier)
N102	93		X	Name	AN	1	35	Consignor Name
N103	66		X	Identification Code Qualifier	ID	2	2	"24" = FEIN
								"34" = SSN
								"50" = BN – Canadian Business Number
N104	67		X	Identification Code	AN	9	18	Consignor's (Person Hiring the Carrier) FEIN,
								SSN, or BN

Example: N1~C1~Fuel Consignor Inc~24~419999999\

Syntax Notes:	At least one of N102 and N103 are required
	If either n103 or N104 is present, the other is required
FTA Notes:	N102, N103, N104 are required.
Iowa Notes:	None

Carrier 1	Inform	nation						
Name Se	gment	6						Pos. No. 0500
Element	Elem	Sub-Ele	Field	Field Name	Field	Len	gth	Field
ID	Ref#	Ref#	Status		Type	Min	Max	Description
N101	98		M	Entity Identification Code	ID	2	2	"CA" = Carrier Name
N102	93		X	Name	AN	1	35	Carrier's Name
N103	66		X	Identification Code Qualifier	ID	2	2	"24" = FEIN
								"34" = SSN
								"50" = BN – Canadian Business Number
N104	67		X	Identification Code	AN	9	18	Carrier's FEIN, SSN, or BN

Example: N1~CA~Fuel Carrier Inc~24~419999999\

Syntax Notes:	At least one of N102 and N103 are required
	If either n103 or N104 is present, the other is required
FTA Notes:	N102, N103, N104 are required.
Iowa Notes:	None

Buyer/C	onsign	ee Infor	mation					
Name Se	gment	: <b>7</b>						Pos. No. 0500
Element	Elem	Sub-Ele	Field	Field Name	Field	Len	igth	Field
ID	Ref#	Ref#	Status		Type	Min	Max	Description
N101	98		M	Entity Identification Code	ID	2	2	"BY" = Buying Party (Buyer/Consignee)
N102	93		X	Name	AN	1	35	Buyer/Consignee's Name
N103	66		X	Identification Code Qualifier	ID	2	2	"24" = FEIN
								"34" = SSN
								"50" = BN – Canadian Business Number
N104	67	·	X	Identification Code	AN	9	18	Buyer/Consignee's FEIN, SSN, or BN
Example:								
N1~BY~F	uel Purc	haser Inc~	24~4199	99999\				

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Iowa Notes:	None	

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

Use Option 1 when the origin has an IRS TCN.

None

Use Option 2 when the origin 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	Destin	ation						(One of the three options is used)
Name Se	egmen	t <b>8</b>						Pos. No. 0500
Element	Elem	Sub-Ele	Field	Field Name	Field	Len	gth	Field
ID	Ref#	Ref#	Status		Type	Min	Max	Description
N101	98		M	Entity Identification Code	ID	2	2	"DT" = Destination Terminal
N102 is no	ot 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 (See Appendix G)
Example	:							
N1~DT~~	TC~T42	2IA3457\						
Syntax 1	Notes:		N10	03 and N104 are required				
FTA No	tes:		Noi	ne				

#### Option 2

Iowa Notes:

Point of								(One of the three options is used)
Name Se	gment	t <b>8</b>						Pos. No. 0500
Element	Elem	Sub-Ele	Field	Field Name	Field	Len	gth	Field
ID	Ref#	Ref#	Status		Type	Min	Max	Description
N101	98		M	Entity Identification Code	ID	2	2	"ST" = Ship To
N102	93		X	Name	AN	2	2	Destination State Abbreviation (See Appendix F)
Example:								
N1~ST~IA	<u>,</u>							
Syntax 1	Notes:		N10	02 is required				

Syntax Notes:	N102 is required
FTA Notes:	None
Iowa Notes:	None

Point of	Destin	ation						
Name Se	gment	8						Pos. No. 0500
Element	Elem	Sub-Ele	Field	Field Name	Field	Len	gth	Field
ID	Ref#	Ref#	Status		Type	Min	Max	Description
N401	19		О	City Name	AN	2	30	Name of City
N402	156		О	State or Province Code	ID	2	2	State or Province Abbreviation
N403	116		О	Postal (Zip) Code	ID	3	11	Zip Code, Zip Plus 4 Code or Foreign Postal Code
N404	26		О	Country Code	ID	2	3	Country Abbreviation (United States = USA)
N405	309		X	Location Qualifier	ID	1	2	"CY" = County
N406	310		O	Location Identifier	AN	1	5	County

### Example:

N4~Des Moines~IA~50317-2222~USA\

Syntax Notes:	None
FTA Notes:	N404 through N406 are optional
	N406 is based on the federal county codes
	N405 and N406 are not in the IRS 4030 map
Iowa Notes:	None

#### Option 3

ment							(One of the three options is used)
							Pos. No. 0500
	Sub-Ele	Field	Field Name	Field	Len	gth	<del>Field</del>
Ref#	Ref#	Status		<del>Type</del>	Min	Max	<b>Description</b>
98	-	M	Entity Identification Code	₽	2	2	"WD" = Destination Facility
<del>ised</del>							
66		X	Identification Code Qualifier	₩	2	2	"FA" = Facility Identification
67		X	Identification Code	AN	9	20	Nonterminal Storage Facility License Number
<del>^-71</del> 4	1 <del>123456\</del>						
otes:		N1(	3 and N104 are required				
s:		Noi	<del>le</del>				
es:		Not	Used by Iowa.				
2	98 sed 66 67 \714 tes:	98 - sed 66 67 - -714123456\ tes:	98 - M  sed  66 X  67 X  A-714123456\ tes: N46	98 - M Entity Identification Code  sed  66 X Identification Code Qualifier  67 X Identification Code  A-714123456\  tes: N103 and N104 are required  S: None	98 - M Entity Identification Code ID  98	98 - M Entity Identification Code ID 2  5ed  66	98 - M Entity Identification Code ID 2 2  5cd  66

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

Bill of La	ading							
Forms G	Froup S	Segment						Pos. No. 1000
Element	Elem	Sub-Ele	Field	Field Name	Field	Len	gth	Field
ID	Ref#	Ref#	Status		Type	Min	Max	Description
FGS01	350		M	Assigned Identifications	AN	1	1	"D" = Schedule Detail
FGS02	128		X	Reference Identification Qualifier	ID	2	2	"BM" = Bill of Lading Number
FGS03	127		X	Reference Identification	AN	1	15	Bill of Lading Number
Example:	:							
FGS~D~B	M~0012	23456\						
Syntax 1	Notes:		If e	ither FGS02 or FGS03 is pres	ent, th	en th	e othe	er is required.
FTA No	tes:		No	ne				
Iowa No	otes:		Noi	ne				

Sequenc	e Num	ber						
Reference	ce Nun	nber Seg	ment					Pos. No. 1100
Element	Elem	Sub-Ele	Field	Field Name	Field	Len	gth	Field
ID	Ref#	Ref#	Status		Type	Min	Max	Description
REF01	128		M	Reference Identification Qualifier	ID	2	2	"55" = Sequence Number
REF02	127		X	Reference Identification	AN	1	20	Sequence Number
REF03	352		X	Description	AN	1	5	Error Response Code (See Appendix H)
Example:		4\						
REF~55~	000123		At	least one of REF02 and REF0	3 is rec	quirec	l.	
REF~55~	000123 Notes: otes:		Thi gen res	s segment is used to identify i erated by the filer when first ponding to an error reported. F02 is always required. REF0	nforma filing t	ation i o assi	for er st in i	ror processing. This segment can be dentifying information or when conding to an error.

Bill of L	Bill of Lading Date										
Date/Time Reference Segment Pos. No. 1200											
Element	Elem	Sub-Ele	Field	Field Name	Field	Length Field					
ID	Ref#	Ref#	Status		Type	Min	Min Max 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)			

Example: DTM~095~20050831\

Syntax Notes:	DTM02 is required
FTA Notes:	None
Iowa Notes:	None

	Bill of Lading Net Tax Information and Amount Segment Pos. No. 1800								
Element	Elem	Sub-Ele	Field	Field Name	Field	Len	gth	Field	
ID	Ref#	Ref#	Status		Type	Min	Max	Description	
TIA01	C037	817	M	Tax Information ID Number	AN	4	4	"5005" = Net	
TIA02	Not	Used							
TIA03	Not	Used							
TIA04	380		X	Quantity	R	1	15	Quantity	
TIA05	C001	355	M	Unit of Measurement Code	ID	2	2	"GA" = Gallons	
								"LT" = Liters	

Example: TIA~5005~~~8000~GA\

Syntax Notes:	TIA04 and TIA05 are required
FTA Notes:	Numbers should be reported as positive for both disbursements and receipts
Iowa Notes:	None

	Bill of Lading Gross Fax Information and Amount Segment Pos. No. 1800									
Element	Elem	Field								
ID	Ref#	Ref#	Status		Type		gth Max	Description		
TIA01	C037	817	M	Tax Information ID Number	AN	4	4	"5006" = Gross		
TIA02	Not	Used								
TIA03	Not	Used								
TIA04	380		X	Quantity	R	1	15	Quantity		
TIA05	C001	355	M	Unit of Measurement	ID	2	2	"GA" = Gallons		
								"LT" = Liters		

Example: TIA~5006~~~8000~GA\

1111 3000 0000 G11(	
Syntax Notes:	TIA04 and TIA05 are required
FTA Notes:	Numbers should be reported as positive for both disbursements and receipts
Iowa Notes:	None

Bill of Lading Billed Tax Information and Amount Segment Pos. No. 1800									
Elem	Sub-Ele	Field	Field Name	Field	Len	gth	Field		
Ref#	Ref#	Status		Type	Min	Max	Description		
C037	817	M	Tax Information ID Number	AN	4	4	"5007" = Billed		
Not	Used								
Not	Used								
380		X	Quantity	R	1	15	Quantity		
C001	355	M	Unit of Measurement	ID	2	2	"GA" = Gallons		
							"LT" = Liters		
]	Ref # C037 Not Not 380	Elem         Sub-Ele           Ref #         Ref #           C037         817           Not         Used           Not         Used	Elem Ref #         Sub-Ele Ref #         Field Status           C037         817         M           Not Used         Not Used         X	Elem   Sub-Ele   Field   Field Name   Ref #   Ref #   Status   C037   817   M   Tax Information ID Number   Not   Used     Not   Used     380   X   Quantity	Elem         Sub-Ele Ref #         Field Status         Field Name         Field Type           C037         817         M         Tax Information ID Number         AN           Not         Used         Status         Not         Used         R           380         X         Quantity         R	Elem Ref #         Sub-Ele Ref #         Field Status         Field Name         Field Type         Min           C037         817         M         Tax Information ID Number         AN         4           Not Used         Status         Not Used         R         1           380         X         Quantity         R         1	Elem Ref #         Sub-Ele Ref #         Field Status         Field Name         Field Type         Length Min         Max           C037         817         M         Tax Information ID Number         AN         4         4           Not Used         Status         Not Used         R         1         15		

Example: TIA~5007~~~8000~GA\

Syntax Notes:	TIA04 and TIA05 are required	
FTA Notes:	Numbers should be reported as positive for both disbursements and receipts	
Iowa Notes:	None	

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

# <u>Transaction Set - Trailer Description</u>

End of Transaction Set (Required) Trailer Segment Pos. No. 0100										
Element	Elem	Sub-Ele	Field	ield Field Name	Field	Length		Field		
ID	Ref#	Ref#	Status		Type	Min Max		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)		
Example: SE~156~1										
Syntax 1	Notes:		No	ne						
FTA Notes: None										
Iowa Notes: None										

**End of Transaction Set** 

# Chapter 6 - 997 Functional Acknowledgment

### ANSI ASC X12 - 997 EDI Standard

RELE	ASE • 00	4030		TRAN	SACTION SE	T TABLES • 9
ç	97	Fun	ctional Acknowledgment			
			ONAL GROUP: FA			
		Func Interd set of enco funct	Draft Standard for Trial Use contains the format a tional Acknowledgment Transaction Set (997) for shange (EDI) environment. The transaction set ca f acknowledgments to indicate the results of the sided documents. The encoded documents are the ional groups, used in defining transactions for bus over the semantic meaning of the information enco	use within the context on the used to define the yntactical analysis of the transaction sets, which iness data interchange	of an Electi control str e electroni i are group . This stan	ronic Data ructures for a cally ed in
		— Tab	le 1			
NOTE	POS.NO.	SEG.II	D NAME	REQ.DES.	MAX USE	LOOP REPEAT
N	0100	ST	Transaction Set Header	М	1	
N	0200	AK1	Functional Group Response Header	М	1	
			LOOP ID - AK2			999999
N	0300	AK2	Transaction Set Response Header	0	1	1
С	0400	VK3	LOOP ID - AK3 Data Segment Note	0	1	999999
C	0500		Data Element Note	0	99	
	0600		Transaction Set Response Trailer	M	1	
	0700		Functional Group Response Trailer	М	1	
	0800	<u>SE</u>	Transaction Set Trailer	М	1	
	1/0100	The If Trans applie acknown applie There AK1 be or AK2 shall	owledgment.  Functional Group Header Segment (GS) is used to start the el saction Sets. In preparing the functional group of acknowledgication receiver's code, taken from the functional group being i owledgment functional group responds to only those functiona cation sender's code.  e is only one Functional Acknowledgment Transaction Set peis is used to respond to the functional group header and to start ex AK1 segment for the functional group that is being acknowl is used to start the acknowledgment of a transaction set with appear in the same order as the transaction sets in the functional group that is the same order as the transaction sets in the functional group that is being acknowledged.	ments, the application sende acknowledged, are exchange al groups from one application acknowledged functional grithe the acknowledgment for a full edged.	r's code and ed; therefore, n receiver's coup. unctional group. up. The AK2	the one code to one code code code code code code code cod
С	OMMEN.		· ·			
	1/0400	trans group	data segments of this standard are used to report the results action sets; they report the extent to which the syntax complie ps. They do not report on the semantic meaning of the transar ply with the request of the sender).	es with the standards for tran	saction sets a	and functional

<sup>&</sup>lt;sup>3</sup> Data Interchange Standards Association, Inc. (DISA)

### **997 EDI Map**

The 997 Functional Acknowledgment notifies the Information Provider that their EDI file was received. Translators create the 997 ACK when the translator processes an EDI file. This ACK is designed to pass back through the Information Provider/Transmitter's translator to notify the Information Provider/Transmitter that the EDI file was accepted, accepted witherrors or rejected. If the EDI file is rejected, the Information Provider/Transmitter must fix the file and send a new EDI file.

### **Transaction Set - Header Description**

Beginnin	Beginning of Transaction Set (Required) Pos. No. 0100									
Element	Element Elem Sub Ele Field Field Name Field Length Field									
ID	Ref#	Ref#	Status		<del>Type</del>	Min	Max	<b>Description</b>		
ST01	143		M	Transaction Set Code	₽	3	3	"997" = Transaction Set Type		
ST02	329		M	Transaction Set Control Number	AN	4	9	Translator defined (same value in SE02, unique-		
								control number)		

Function	Functional Group Response Header (Required)										
	Pos. No. 0200										
Element	Elem	Sub-Ele	Field-	Field Name	Field	Len	<del>igth</del>	<del>Field</del>			
<del>ID</del>	Ref#	Ref#	Status		<del>Type</del>	Min	Max	<b>Description</b>			
AK101	479		M/Z	Transaction Set Identifier Code	<del>ID</del>	2	2	Functional ID found in the GS segment (GS01) of			
								the functional group being acknowledged.			
								Equals one of the following:			
								TF = 813			
								TI = 826			
AK102	28		<del>M/Z</del>	Group Control Number	N0	1	9	Functional group control number found in the GS			
				_				segment (GS02) of the functional group being			
								acknowledged.			

Transac	Transaction Set Response Header (Optional) Pos. No. 0300									
Element	Elem	Sub-Ele	Field-	Field Name	Field	Len	gth	Field		
₩	Ref#	Ref#	Status		<b>Type</b>	Min	Max	<b>Description</b>		
AK201	143		M/Z	Functional Identifier Code	₩	3	3	Transaction set ID found in the ST segment (ST01) of the transaction set being acknowledged. Equals one of the following: 813, 820, 826, 151		
AK202	329		M/Z	Transaction Set Control Number	AN	4	9	Transaction set control number found in the ST- segment (ST01) of the transaction set being acknowledged.		

Data Segment Note (Optional) Pos. No. 0400								
Element	Elem	Sub-Ele	Field-	Field Name	Field	Len	gth	<del>Field</del>
₩	Ref#	Ref#	<b>Status</b>		<del>Type</del>	Min	Max	<b>Description</b>
AK301	<del>721</del>		M	Segment ID Code	<del>ID</del>	2	3	Code defining the segment ID of the segment inerror. See X12 guide for codes.
AK302	<del>719</del>		M	Segment Position in Transaction Set	<del>N0</del>	1	6	The position of the segment counted from the transaction set header (ST). The transaction set header is 1.
AK303	447		Đ	Loop Identifier Code	AN	1	6	Loop ID number given on the transaction set diagram.
AK304	720		θ	Segment Syntax Error Code	₽	1	3	1 = Unrecognized segment ID 2 = Unexpected segment 3 = Mandatory segment missing 4 = Loop occurs over maximum times 5 = Segment exceeds maximum use 6 = Segment not in defined transaction set 7 = Segment not in proper sequence 8 = Segment has data element errors

Data Ele	Data Element Note (Optional)							
								Pos. No. 0500
Element	Elem	Sub-Ele	Field-	Field Name	Field	Len	gth	<del>Field</del>
<del>ID</del>	Ref#	Ref#	Status		<b>Type</b>	Min	Max	<b>Description</b>
AK401	C030		M	Position in Segment	-	-	-	Code indicating relative position of element in error. See X12 guide for further information.
AK401	C030	722	M	Element Position in Segment	N0	1	2	-
AK401	C030	<del>1528</del>	θ	Component Data Element Position- in Composit	N0	1	2	-
AK401	C030	<del>1686</del>	Ð	Repeating Data Element Position	N0	1	4	-
AK402	725		Đ	Data Element Reference Number	N0	1	4	Reference number used to locate the element in the Data Element Dictionary.
AK403	723		М	Data Element Syntax Error Code	₽	+	3	1 = Mandatory data element missing 2 = Conditional required data element missing 3 = Too many data elements 4 = Data element too short 5 = data element too long 6 = Invalid character in data element 7 = Invalid code value 8 = Invalid date 9 = Invalid time 10 = Exclusion condition violated 12 = Too may repetitions 13 = Too many components
AK404	724		O/Z	Copy of Bad Data Element	AN	1	99	A copy of the bad data element.
This segn	nent def	ines eleme	nt synta:	x errors and the location of the segr	nent. R	efer to	the X	12 standards guide for further definition.

Element	Elem	Sub-Ele	Field-	Field Name	Field	Len	gth	Pos. No. 0600
₩	Ref#	Ref#	Status		<del>Type</del>	Min	Max	<b>Description</b>
AK501	717		M	Transaction Set Acknowledgement Code	ID I	1	1	1
AK502	718	_	0	Transaction Set Syntax Error Code	ID	1	3	1 = Transaction set not supported
AK503	718	_	0	Transaction Set Syntax Error Code	ID	1	3	
AK504	718	_	0	Transaction Set Syntax Error Code	ID ID	1	3	3 = Transaction set control number in header and
AK505	718		0	Transaction Set Syntax Error Code	ID ID	1	3	trailer do not match.
4K506	718		0	Transaction Set Syntax Error Code	ID	1	3	4 = Number of included segments does not match
								5 = One or more segments in error 6 = Missing or invalid transaction set identifier 7 = Missing or invalid transaction set control number 8 = Authentication key name unknown 9 = Encryption key name unknown 10 = Requested service (authentication or encryption) not available 11 = Unknown security recipient 12 = Incorrect message length (encryption only) 13 = Message authentication code failed 15 = Unknown security originator 16 = Syntax error in decryption text 17 = Security not supported 23 = Transaction set control number not unique within the functional group. 24 = S3E security end segment missing for S3E security 25 = S3S security start segment missing for S4E security 27 = S4S security start segment missing for S4E security end segment

<del>Functior</del>	<del>ial Gr</del> e	oup Resp	onse T	<del>railer</del>				(Required) Pos. No. 0700
Element	Elem	Sub-Ele	Field-	Field Name	Field	Lan	ıgth	Field
<del>Element</del>	Ref#	Ref#	Status	Field Name				
AK901		<del>Rei #</del>	70 111111	F 1.C	Type	Min		<b>Description</b>
AK901	<del>715</del>		M	Functional Group	₩	1	1	A = Accepted
				Acknowledgement Code				E = Accepted but errors were noted  M = Rejected processes outboutjection and a failed
								M = Rejected, message authentication code failed
								R = Rejected
								W = Rejected, assurance failed validity tests X = Rejected, content after decryption could not
								analyzed
AK902	97		M	Number of Transaction Sets-	NO	1	6	7
ARYU2	<del>9 /</del>		<del>IVI</del>	Included	110	+	•	Number of Fransaction Sets Included
AK903	123		M	Number of Received Transaction	N0	1	6	Number of Received Transaction Sets
ANJUJ	123		171	Sets	140	+	•	Number of Received Fransaction Sets
AK904	2		M	Number of Accepted Transaction	N0	1	6	Number of Accepted Transaction Sets
AK704	±		171	Sets	140	+	•	Number of Accepted Transaction Sets
AK905	716		0	Functional Group Syntax Error	ID.	1	3	1 = Functional group not supported
<del>111/03</del>	710		•	Code	111		7	2 = Functional group version not supported
AK906	716		θ	Functional Group Syntax Error	<del>ID</del>	1	2	3 = Functional group trailer missing
HIC/00	710		0	Code	110	т	7	4 = Group control number in the functional group
AK907	716		0	Functional Group Syntax Error	<del>ID</del>	1	2	header and trailer do not agree.
HIX	710		0	Code	ш	т	9	5 = Number of included transaction sets does not
AK908	716		0	Functional Group Syntax Error	<del>ID</del>	1	3,	
111700	710		O	Code	110			6 = Group control number violates syntax
AK909	716		θ	Functional Group Syntax Error	ID	1	3,	10 = Authentication key name unknown
111000	,10		O	Code	112			11 = Encryption key name unknown
								12 = Requested service (authentication or
								encryption) not available
								13 = Unknown security recipient
								14 = Unknown security originator
								15 = Syntax error in decrypted text
								16 = Security not supported
								17 = Incorrect message length (encryption only)
								18 = Message authentication code failed
								23 = Transaction set control number not unique
								within the functional group.
								24 = S3E security end segment missing for S3S
								security
								25 = S3S security start segment missing for S3E
								Security 26 SAE accomits and accoment missing for SAE
								26 S4E security end segment missing for S4S
								security 27 = \$4\$ coourity start gogment missing for \$4E
								27 = S4S security start segment missing for S4E- security end segment
						<u> </u>		2 standards guide for further definition.

### **Transaction Set Trailer Description**

Trailer Segment Pos. No. 0800									
Element	Elem	Sub-Ele	Field-	Field Name	Field	d Length Field			
₩	Ref#	Ref#	Status		Type	Min Max		<del>Description</del>	
SE01	<del>96</del>	<del>96</del>	M	Number of Included Segments	N0	1	10	Number of segments (inserted by translator)	
SE02	<del>329</del>	<del>329</del>	M	Transaction Set Control Number	AN	4	9	Determined by Filer (same value in ST02, unique control number)	
Example: SE-6-100\									

#### **End of Transaction Set**

An example of a 997 ACK can be found below.

The file you receive will be a continuous stream of data; no carriage returns or line feeds.

 $ISA-00-000000000-00-0000000000-ZZ-123456789000000-990913-1512-|-00403-0000000001-0-P-^{\land}$ 

GS-FA-040539587050-INTERNALROUTING-20050913-1510-1001-X-004030\

ST~997~0014\

AK1~TF~52001\

AK2~813~000000124\

AK5~-A\

AK9-A-1-1-1\

SE-6-0014\

GE~1~1001\

IEA-1-000000001\

### **Appendix A - Trading Partner Agreement**

# **Iowa Department of Revenue**

# Trading Partner Agreement For Electronic Data Exchange

This Agreement is entered into on	_(date), by and between the <i>Iowa</i>
Department of Revenue ("Department") and _	
("Licensee").	

The Department and the Licensee wish to provide a means by which the Licensee will file its Iowa Motor Fuel terminal operator, supplier and/or carrier report(s) by electronically transmitting data in substitution for conventional, paper-based documents and to assure that such report is legally valid and enforceable. In order to achieve this goal, the parties agree as follows:

- 1. **Terms and Amendments:** This agreement shall be effective on the date shown above and shall continue until terminated by either party. A party may terminate this agreement by giving thirty (30) days written notice to the other party or by the cancellation of their Motor Fuels License. This agreement may be amended at any time by executing a written addendum signed by both the Licensee and the Department.
- 2. **Standards:** The Licensee will electronically transmit report(s) to the Department according to the Department's standards and instructions that may be revised/updated by the Department from time to time. The Department will provide these standards and instructions to the Licensee in a reasonable time frame in advance of due dates to allow compliance with filing requirements.
- 3. **Transmission:** The Licensee will access the Department's internet website and upload the EDI file to a Department approved secure web server (https).
- 4. **System Operations and Security Procedures:** The Licensee, at its own expense, shall provide and maintain the equipment, software, services and testing necessary for the Licensee to transmit the electronic report(s). The Department, at its own expense, shall provide and maintain the equipment, software, services and testing necessary for the Department to receive the electronic report(s). Each party shall use security procedures which are reasonably sufficient to ensure that all transmissions of the report(s) are authorized and to protect its business records and data from improper access. In addition, the Licensee will comply with all security procedures established and required by the Department.
- 5. **Signatures:** The Licensee's identification number and password, when included as part of the report filed pursuant to this agreement, shall constitute the signature of the Licensee on the report as if such report were actually signed by the Licensee. Each Party shall adopt as its signature an electronic identification consisting of codes in each electronic transmission submitted by such Party (the Signature). Each Party agrees that any signature of a Party affixed to or contained in any electronic transmission shall be sufficient to verify the Party originated such electronic transmission. Neither Party shall disclose to any unauthorized person the Signature of the other Party.
- 6. **Receipt of Transmission:** A report shall be deemed to have been filed with the department when the report, in the stipulated format, is accessible to the Department or the Department's third party service provider and meets the requirements of the taxing authority. If the Licensee attempts to file and is unable to do so because the Receipt Computer is not available to receive a filing, the department will not impose late filing penalties or interest provided the Licensee contacts the Department immediately when an access problem is identified.

- 7. **Acknowledgement of Transmission:** Upon receiving a successfully transmitted report from the Licensee, the Department or the Department's third party service provider will transmit an acknowledgement in return within one (1) business day from receipt of the Licensee's report. The acknowledgement will communicate only that Department has received the Licensee's transmission. An acknowledgement does not imply any findings by the Department about the correctness of the report. A transmission that is received by the Department but is not in the stipulated format will not constitute a valid report.
- 8. **Garbled Transmissions:** If any transmission is received in an unintelligible or garbled form and the Department cannot identify the Licensee, no acknowledgement will be transmitted. The absence of an acknowledgement shall be treated as notice to the Licensee that the report was not received by the Department in the required format.
- 9. **Record Retention:** The Licensee shall maintain records of the transactions covered by electronic filings for a period of not less than three years from the due date of the filing. Each party agrees to maintain adequate back-up files to recreate electronic transmissions as required. Back-up files shall be subject to the terms of this Agreement to the same extent as the original data. Electronic transmissions shall be retained for such periods as required by relevant Iowa statutes.
- 10. **Admissibility of Returns/Reports as Evidence:** A certified copy of any report may be introduced in paper form as evidence in any judicial or administrative proceeding by either party to the same extent and under the same conditions as any other business record. Neither party shall contest the admissibility of any report on the basis that it was not originated or maintained in paper form.
- 11. **Payments:** Any licensee filing a return electronically under this Agreement shall make payment of the taxes due, if greater than zero, by use of electronic payment. The Licensee shall follow the procedures of the Department's eFile and Pay Program.
- 12. **Governing Law:** This Agreement shall be governed by, and interpreted in accordance with the laws of the state of Iowa
- 13. **Identifying Codes & Numbers:** To ensure proper identification of electronically transmitted reports, the parties will exchange the identifying qualifiers. Any changes in these qualifiers will be communicated to the other party before any transmission using the new qualifiers is sent.

Licensee:		
	Print Name of Licensee or Authorized Agent	
	Signature of Licensee or Authorized Agent	Date
Department:		
	Print Name of Authorized Agent	
	Signature of Authorized Agent	Date

# **Appendix B - Iowa Schedule Codes**

Schedule Code	Schedule of Receipts	Tax Calc Status
1A	Gallons received originating state tax-paid.	Not included in tax calculation.
1G	Gallons received fully taxed at a reduced rate (for blending).	Not included in tax calculation.
2	Gallons received from motor fuel licensee tax unpaid.	Not included in tax calculation.
2A	Gallons received from terminals, refineries or distributors, origin tax-unpaid.	Not included in tax calculation.
2B	Gallons received tax-unpaid, blendable stock.	Not included in tax calculation.
2X	Gallons received from suppliers on exchange agreements tax unpaid.	Not included in tax calculation.
3	Gallons imported from another state direct to customer	Included in tax calculation as taxable gallons.
3A	Gallons imported from terminals/refineries.	Included in tax calculation as taxable gallons.
3B	Gallons imported from bulk storage in another state.	Included in tax calculation as taxable gallons.
Schedule Code	Schedule of Disbursements	Tax Calc Status
5	Gallons delivered tax collected.	Included in tax calculation as taxable gallons.
5X	Gallons delivered and partially taxed.	Not included in tax calculation. Supports
		S04A dollar amount for blender credit.
6	Gallons delivered to motor fuel licensee – tax not collected.	Not included in tax calculation.
6B	Gallons sold tax-exempt, customer is a licensed blender.	Not included in tax calculation.
6F	Gallons sold for tax-exempt purposes from in-state terminals.	Not included in tax calculation.
6X	Gallons delivered to suppliers or permissive suppliers on exchange agreements.	Not included in tax calculation.
7	Gallons exported.	Included in tax calculation as gross gallons and exported gallons, not taxable gallons.
10E	Gallons delivered to customers representing uncollectible motor fuel taxes.	Not included in tax calculation. Supports S04A dollar amount for uncollectible taxes.
11A	Diversion to state of	Included in tax calculation as gross gallons and exported gallons, not taxable gallons.
11B	Diversion from state of .	Included in tax calculation as taxable gallons.
13K	Credit or Deduction for Reduced Tax Rate	Included in tax calculation as Gallon
		Deduction for Reduced Tax Rate Sales.
Schedule Code	Carrier / Transportation Schedules	Tax Calc Status
14A	Carrier deliveries in another state (export).	Not applicable.
14B	Carrier deliveries received from another state (import).	Not applicable.
14D	Carrier receipts.	Not applicable.
14E	Carrier deliveries.	Not applicable.
Schedule Code	IRS Gasoline Terminal / Storage Facility (Ethanol Plants, Biodiesel Plants) Schedules	Tax Calc Status
15A	IRS Gasoline Terminal or Storage Facility Receipts	Not applicable.
15B	IRS Gasoline Terminal or Storage Facility Disbursements	Not applicable.

# Appendix C -

## **Product Codes**

<b>Product</b>	<b>Code</b>
Alcohol	123
Aviation Gasoline	125
Bio-Diesel Undyed	B00-B99
Bio-Diesel Dyed	D00-D99
Blending Components*	122
Compressed Natural Gas	224
Diesel Fuel - dye added	228
High Sulfur Diesel Fuel - dye added	226
Low Sulfur Diesel Fuel - dye added	227
No. 1 Diesel - dye added	231
Diesel Fuel - undyed	160
Low Sulfur Diesel Fuel #1 - undyed	161
Low Sulfur Diesel Fuel #2 - undyed	167
No. 1 Fuel Oil - undyed	150
#1 High Sulfur Diesel - undyed	282
#2 High Sulfur Diesel - undyed	283
Ethanol	E00-E99 or 241
Gasohol	124
Gasoline	065
E-75	E75 or 078
E-85	E85 or 079
Jet Fuel	130
Kerosene - undyed	142
Low Sulfur Kerosene - undyed	145
High Sulfur Kerosene - undyed	147
Kerosene - dye added	072
Low Sulfur Kerosene - dye added	073
High Sulfur Kerosene - dye added	074
Liquid Natural Gas	225
Methanol	M00-M99 or 243
Natural Gasoline	061
Propane (Liquified Petroleum Gas)	054
Residual Fuel Oil	175
Soy Oil	. 285
Undefined Products**	092

<sup>\*</sup> Gasohol blending components which do not have a specified product code.

## Appendix D -

<sup>\*\*</sup> Products which do not have a specified product code. Also used for diesel blending components which do not have a specified product code.

### **Summary Codes / TIA Codes**

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.
- 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.

#### 820 Map

No TIA or summary codes used.

#### 826 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.
- Schedules TIA 5005 (Net), 5006 (Gross) and 5007 (Billed) are used to report bill of lading volume details or further define summary detail.

#### 151 Map

No TIA or summary codes used.

### **Summary Codes/TIA combinations**

Field Description	<b>Summary Codes</b>	TIA Code	Units
Taxes / Fees	S02	5005, 5008,	Monetary
		5009	
Tax Bad Debt Write-Off / Blender Credit	S04A	5005	Monetary

# FTA Uniformity TIA Codes

The data	The data represented by these TIA codes is not derivable from schedules or represents a check value.						
5000	Not Used	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, <del>SUM</del>					
5007	Billed	SCH, <del>SUM</del>					
5008	Interest	SUM					
5009	Penalty	SUM					
<del>5010</del>	Confidential Information	Header, 826					
5011-	Not Used						
5199	Not Used						

# Appendix E -

# **Transaction Type Mode Codes**

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

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

# Appendix F -

# **USA States, Canadian Provinces/Territories and Mexican State Abbreviations**

		Canadian (CAN)	
USA (USA) State	Abbreviation	Province/Territory	Abbreviation
Alabama	AL	Alberta	AB
Alaska	AK	British Columbia	BC
Arizona	AZ	Manitoba	MB
Arkansas	AR	New Brunswick	NB
California	CA	Newfoundland	NF
Colorado	CO	Northwest Territory	NT
Connecticut	CT	Nova Scotia	NS
Delaware	DE	Nunavut	NU
District of Columbia	DC	Ontario	ON
Florida	FL	Prince Edward Island	PE
Georgia	GA	Quebec	QC
Hawaii	HI	Saskatchewan	SK
Idaho	ID	Yukon Territory	YT
Illinois	IL	1 ukon Territory	11
Indiana	IN	Mexican (MEX) State	Abbreviation
I Iowa		Aguascalientes Aguascalientes	Addreviation
Iowa   Kansas	IA KS	Aguascallentes Baja California	AG BJ
Kansas   Kentucky	KS KY	Baja California Sur	BS BS
1			
Louisiana Maine	LA	Chianas	CP
	ME	Chiapas	СН
Maryland	MD MA	Chihuahua	CI
Massachusetts	MA MA	Coahuila	CU
Michigan	MI	Colima	CL
Minnesota	MN	Distrito Federal	DF
Mississippi	MS	Durango	DG
Missouri	MO	Guanajuato	GJ
Montana	MT	Guerrero	GR
Nebraska	NE	Hidalgo	HG
Nevada	NV	Jalisco	JA
New Hampshire	NH NH	Mexico	EM
New Jersey	NJ	Michoacan	MH
New Mexico	NM	Morelos	MR
New York	NY	Nayarit	NA
North Carolina	NC	Nuevo Leon	NL
North Dakota	ND	Oaxaca	OA
Ohio	OH	Puebla	PU
Oklahoma	OK	Queretaro	QA
Oregon	OR	Quintana Roo	QR
Pennsylvania	PA	San Luis Potosi	SL
Rhode Island	RI	Sinaloa	SI
South Carolina	SC	Sonora	SO
South Dakota	SD	Tabasco	TA
Tennessee	TN	Tamaulipas	TM
Texas	TX	Tlaxcala	TL
Utah	UT	Veracruz	VZ
Vermont	VT	Yucatan	YC
Virginia	VA	Zacatecas	ZT
Washington	WA		
West Virginia	WV		
Wisconsin	WI	_[	
Wyoming	WY		

# **Appendix G - Terminal Codes**

### Terminal Codes

IRS Code	Terminal Name	City	State
T39IA3475	Sinclair Terminal	Montrose	IA
T42IA3450	BP Products North America Inc	Bettendorf	IA
T42IA3451	Flint Hills Resources, LP-Bettendorf	Bettendorf	IA
T42IA3452	Phillips Pipeline CoBettendorf	Bettendorf	IA
T42IA3454	BP Products North America Inc	Council Bluffs	IA
T42IA3455	National Coop Refinery	Council Bluffs	IA
T42IA3456	BP Products North America Inc	Des Moines	IA
T42IA3457	Magellan Pipeline Company, L.P.	Des Moines	IA
T42IA3458	BP Products North America Inc	Dubuque	IA
T42IA3460	Magellan Pipeline Company, L.P.	Dubuque	IA
T42IA3461	Magellan Pipeline Company, L.P.	Duncombe	IA
T42IA3463	Magellan Pipeline Company, L.P.	Coralville	IA
T42IA3464	Kaneb Pipe Line – Le Mars	Le Mars	IA
T42IA3465	Magellan Pipeline Company, L.P.	Clear Lake	IA
T42IA3466	Kaneb Pipe Line – Milford	Milford	IA
T42IA3467	Magellan Pipeline Company, L.P.	Milford	IA
T42IA3468	BP Products North America Inc	North Liberty	IA
T42IA3469	BP Products North America Inc	Ottumwa	IA
T42IA3470	Conoco Pipeline Co – Pleasant Hill	Pleasant Hill	IA
T42IA3471	CITGO – Bettendorf	Bettendorf	IA
T42IA3472	Kaneb Pipe Line – Rock Rapids	Rock Rapids	IA
T42IA3473	Magellan Pipeline Company, L.P.	Sioux City	IA
T42IA3474	Magellan Pipeline Company, L.P.	Waterloo	IA
T43MO3703	Ayers Oil Co	Caton	MO
T43MO3706	Sinclair Pipeline	Carrollton	MO
T43MO3710	Conoco K.S.	Parkville	MO
T43MO3711	Kerr McGee Ref	Lagrange	MO
T43MO3716	Williams Pipe Line	Palmyra	MO
T46SD3551	Kaneb Pipe Line Co	Mitchell	SD
T46SD3553	Amoco Oil	Sioux Falls	SD
T46SD3554	Williams Pipe Line	Sioux Falls	SD
T46SD3557	Kaneb Pipe Line Co	Yankton	SD
T47NE3603	Conoco Lincoln Products	Roca	NE
T47NE3605	Williams Pipe Line Lincoln	Roca	NE
T47NE3606	Kaneb Pipe Line	Norfolk	NE
T47NE3608	Williams Pipe Line	Omaha	NE
T41MN3402	Amoco Oil Spring Valley	Spring Valley	MN
T41MN3413	Williams Pipe Line	Mankato	MN
T41MN3416	Williams Pipe Line Rochester	Eyota	MN
T39WI3065	Cenex McFarland	McFarland	WI
T39WI3067	Citgo	McFarland	WI
T39WI3069	Terminal Oil Group LTD	Madison	WI

T39WI3072	Koch	McFarland	WI
T39WI3079	Mobil Oil Madison	McFarland	WI
T39WI3083	Kerr-McGee Ref	McFarland	WI
T39WI3085	Uno Ven	McFarland	WI
T39WI3088	US Oil Madison	Madison	WI
T36IL3303	Amoco Oil Rochelle	Rochelle	IL
T36IL3305	GATX Terminals Corp	Argo	IL
T36IL3308	Marathon Oil Rockford	Rockford	IL
T36IL3309	Marathon Oil Willow Springs	Willow Springs	IL
T36IL3312	Petroleum Fuel & Terminal Co	Forest View	IL
T36IL3314	ST Services Peru	Peru	IL
T36IL3315	Shell Oil Argo	Bedford Park	IL
T36IL3319	Williams Pipe Line Amboy	Amboy	IL
T36IL3350	Amoco Oil Peoria	Creve Coeur	IL
T36IL3355	Hicks Oils & Hicks Gas Inc	Creve Coeur	IL
T37IL3352	Clark Ref & Mtkth Peoria	Bartonville	IL

If the terminal code is not listed, see the complete list of all IRS Terminal Codes at <a href="http://www.irs.gov/Businesses/Small-Businesses-&-Self-Employed/Terminal-Control-Number-TCN-Terminal-Locations-Directory">http://www.irs.gov/Businesses/Small-Businesses-&-Self-Employed/Terminal-Control-Number-TCN-Terminal-Locations-Directory</a>.

# **Appendix H - Error Response Codes**

These codes are used to return a response to a taxing authority that has sent a 997 transaction setcontaining records in error.

Code	<b>Description</b>
00001	Record corrected.
00002	Record correct as originally submitted.
00003	Remove record, reported in error.
00004 - 99999	Available for future use.

# **Appendix I - Report Codes**

Code	Description
TOR	Terminal Operator
SDR	Supplier/Distributor Report
CCR	Common Carrier Report
RET	Retailer Report

### **Appendix J - Sample EDI Files**

N1~ST~IA\

### Sample SDR Report – With Activity (Form 81-010, Iowa Fuel Tax Return)

Formatted with carriage returns for viewing. In an actual filing, carriage returns would be omitted.

```
ISA~00~
             ~00~
                      ~32~123456789
                                       ~32~421223822
                                                        ~050822~0931~|~00403~00000001~0~T~^\
GS~TF~123456789~421223822~20050822~0931~1101~X~004030\
ST~813~10001~1\
DTM~194~20050731\
TIA~5001~~~49000~GA\
N1~TP~ABC Oil Company\
N2~ABC Trucking~ABC Station\
N3~123 C Street~PO Box 222\
N4~Des Moines~IA~50317-2222~USA\
PER~CN~John Smith~TE~3139959989~FX~3139950330~EM~john.smith@abcoil.com\
PER~EA~John Doe~TE~3139959988~FX~3139950329~EM~john.doe@abcoil.com\
N1~31~ABC Oil Corp\
N2~ABC Trucking~ABC Station\
N3~123 D Street~PO Box 333\
N4~Des Moines~IA~50317-3333~USA\
                                                    Begin Supplier Report
TFS~T2~SDR\
REF~55~1\
                                                    Sequence Number
                                                    Total Due
TIA~5003~4854.39\
TFS\sim T3\sim S02\sim \sim 94\sim CE\setminus
                                                    |Begin Summary Taxes/Fees Information
                                                    Sequence Number
REF~55~2\
FGS\sim S\setminus
                                                    Summary Data
REF~55~3\
                                                    Sequence Number
TIA~5005~4915.76\
                                                    Tax Amount
TIA~5008~0.81\
                                                    Interest Amount
TIA~5009~162.03\
                                                    Penalty Amount
TFS~T3~S04A~~~94~CE\
                                                    Begin Summary Uncollectible Information
REF~55~4\
                                                    |Sequence Number
FGS\sim S\sim \setminus
                                                    Summary Data
REF~55~5\
                                                    Sequence Number
TIA~5005~224.21\
                                                    Uncollectible Amount
                                                    Begin Schedule of Receipts for Gasoline
TFS\sim T3\sim 2\sim PG\sim 065\sim 94\sim J\setminus
REF~55~6\
                                                    Sequence Number
N1 \sim\!\!OT \sim\!\!\sim\!\!TC \sim\!\!T42IA3457 \backslash
                                                    Originating Terminal
N1~SE~Fuel Seller Inc~24~419999999\
                                                    Seller Information
N1~CA~Fuel Carrier Inc~24~418888888
                                                    |Carrier Information
N1~ST~IA\
                                                    Ship To State
N4~Des Moines~IA~50317-2222~USA\
                                                    Point of Destination
FGS~D~BM~00123456\
                                                    Bill of Lading Number
REF~55~7\
                                                    Sequence Number
DTM~095~20050615\
                                                    Bill of Lading Date
                                                    Bill of Lading Net
TIA~5005~~~8005~GA\
TIA~5006~~~8000~GA\
                                                    Bill of Lading Gross
TIA~5007~~~8000~GA\
                                                    Bill of Lading Billed
TFS~T3~2~PG~160~94~J \
                                                    Begin Schedule of Receipts for Diesel
REF~55~8\
                                                    |Sequence Number
N1~OT~~TC~T42IA3457\
                                                    Originating Terminal
N1~SE~Fuel Seller Inc~24~419999999\
                                                    Seller Information
N1~CA~Fuel Carrier Inc~24~418888888
                                                    |Carrier Information
                                                    |Ship To State
```

N4~Des Moines~IA~50317-2222~USA\ Point of Destination Bill of Lading Number FGS~D~BM~00123457\ REF~55~9\ Sequence Number DTM~095~20050715\ Bill of Lading Date Bill of Lading Net TIA~5005~~~8005~GA\ TIA~5006~~~8000~GA\ Bill of Lading Gross TIA~5007~~~8000~GA\ Bill of Lading Billed Begin Schedule of Receipts for Gasohol Sequence Number REF~55~10\  $N1\sim OT\sim TC\sim T42IA3457$ Originating Terminal N1~SE~Fuel Seller Inc~24~419999999\ Seller Information N1~CA~Fuel Carrier Inc~24~418888888\ |Carrier Information N1~ST~IA\ Ship To State Point of Destination N4~Des Moines~IA~50317-2222~USA\ Bill of Lading Number FGS~D~BM~00123458\ REF~55~11\ Sequence Number Bill of Lading Date DTM~095~20050715\ Bill of Lading Net  $TIA\sim5005\sim\sim8005\sim GA$ Bill of Lading Gross  $TIA \sim 5006 \sim \sim 8000 \sim GA \setminus$ TIA~5007~~~8000~GA\ Bill of Lading Billed TFS~T3~5~PG~065~94~J\ Begin Schedule of Disbursements for Gasoline REF~55~12\ Sequence Number N1~SF~IA\ Ship From State N4~Des Moines~IA~50317-2222~USA\ Point of Origin Carrier Information N1~CA~Fuel Carrier Inc~24~418888888\ Purchaser Information N1~BY~Fuel Purchaser Inc~24~417777777 Ship To State N1~ST~IA\ N4~Des Moines~IA~50317-2222~USA\ Point of Destination FGS~D~BM~00223456\ Bill of Lading Number REF~55~13\ |Sequence Number DTM~095~20050615\ Bill of Lading Date Bill of Lading Net TIA~5005~~~8005~GA\  $TIA\sim5006\sim\sim8000\sim GA$ Bill of Lading Gross TIA~5007~~~8000~GA\ Bill of Lading Billed  $TFS\sim T3\sim 5\sim PG\sim 160\sim 94\sim J\setminus$ Begin Schedule of Disbursements for Diesel REF~55~14\ Sequence Number N1~SF~IA\ |Ship From State Point of Origin N4~Des Moines~IA~50317-2222~USA\ Carrier Information N1~CA~Fuel Carrier Inc~24~418888888 Purchaser Information N1~BY~Fuel Purchaser Inc~24~417777777 N1~ST~IA\ Ship To State N4~Des Moines~IA~50317-2222~USA\ Point of Destination FGS~D~BM~00223457\ Bill of Lading Number Sequence Number REF~55~15\ DTM~095~20050715\ Bill of Lading Date Bill of Lading Net  $TIA\sim5005\sim\sim8005\sim GA$  $TIA\sim5006\sim\sim8000\sim GA$ Bill of Lading Gross TIA~5007~~~8000~GA\ Bill of Lading Billed TFS~T3~5~PG~124~94~J \ Begin Schedule of Disbursements for Gasohol REF~55~16\ Sequence Number Ship From State N1~SF~IA\ N4~Des Moines~IA~50317-2222~USA\ Point of Origin N1~CA~Fuel Carrier Inc~24~418888888 Carrier Information N1~BY~Fuel Purchaser Inc~24~417777777 Purchaser Information N1~ST~IA\ Ship To State N4~Des Moines~IA~50317-2222~USA\ Point of Destination Bill of Lading Number FGS~D~BM~00223458\ REF~55~17\ Sequence Number Bill of Lading Date DTM~095~20050715\  $TIA{\sim}5005{\sim}{\sim}{\sim}8005{\sim}GA \setminus$ Bill of Lading Net  $TIA{\sim}5006{\sim}{\sim}{\sim}8000{\sim}GA \setminus$ Bill of Lading Gross TIA~5007~~~8000~GA\ Bill of Lading Billed

 $TFS{\sim}T3{\sim}10E{\sim}PG{\sim}160{\sim}94{\sim}J \ \backslash$ 

REF~55~18\

 $N1\sim SF\sim IA\setminus$ 

N4~Des Moines~IA~50317-2222~USA\ N1~CA~Fuel Carrier Inc~24~418888888\

N1~BY~Fuel Purchaser Inc~24~417777777

 $N1\sim ST\sim IA$ 

N4~Des Moines~IA~50317-2222~USA\

 $FGS\sim\!D\sim\!BM\sim\!00323456\backslash$ 

 $REF{\sim}55{\sim}19 \setminus$ 

 $DTM{\sim}095{\sim}20050515 \backslash$ 

 $TIA\sim5005\sim\sim\sim1005\sim GA$ 

 $TIA{\sim}5006{\sim}{\sim}{\sim}1000{\sim}GA \setminus$ 

TIA~5007~~~1000~GA\

SE~125~10001\

GE~1~1101\

 $IEA{\sim}1{\sim}000000001 \setminus$ 

|Begin Schedule of Disbursements for Uncollectible

|Sequence Number

|Ship From State |Point of Origin |Carrier Information

Purchaser Information

Ship To State

Point of Destination

Bill of Lading Number

Sequence Number

Bill of Lading Date

Bill of Lading Net

Bill of Lading Gross

Bill of Lading Billed

# Sample SDR Report – No Activity (Form 81-010, Iowa Fuel Tax Return)

Formatted with carriage returns for viewing. In an actual filing, carriage returns would be omitted.

~050822~0931~|~00403~000000002~0~T~^\ ISA~00~ ~00~ ~32~123456789 ~32~421223822 ST~813~10002~1\  $BTI\sim T6\sim 050\sim 47\sim 421223822\sim 20050822\sim ABC^*\sim 24\sim 516999988\sim 49\sim 704123456\sim SV\sim ZY0001\sim 00 \times 10^{-2} M_{\odot}$ DTM~194~20050731\ TIA~5001~~~0~GA\ N1~TP~ABC Oil Company\ N2~ABC Trucking~ABC Station\ N3~123 C Street~PO Box 222\ N4~Des Moines~IA~50317-2222~USA\ PER~CN~John Smith~TE~3139959989~FX~3139950330~EM~john.smith@abcoil.com\ PER~EA~John Doe~TE~3139959988~FX~3139950329~EM~john.doe@abcoil.com\ N1~31~ABC Oil Corp\ N2~ABC Trucking~ABC Station\ N3~123 D Street~PO Box 333\ N4~Des Moines~IA~50317-3333~USA\ TFS~T2~SDR\ |Begin Supplier Report REF~55~1\ Sequence Number REF~BE~1\ No Activity SE~18~10002\ GE~1~1102\

 $IEA\sim1\sim000000002$ 

### Sample TOR Report (Form 83-010, Iowa Terminal Report)

Formatted with carriage returns for viewing. In an actual filing, carriage returns would be omitted.

```
~050822~0931~|~00403~000000003~0~T~^\
ISA~00~
             ~00~
                       ~32~123456789
                                        ~32~421223822
GS~TF~123456789~421223822~20050822~0931~1103~X~004030\
ST~813~10003~1\
BTI~T6~050~47~421223822~20050822~ABC*~24~51699988~49~704123456~SV~ZY0001~00\
DTM~194~20050731\
TIA~5001~~~48000~GA\
N1~TP~ABC Fuel Terminal\
N3~123 C Street~PO Box 222\
N4~Des Moines~IA~50317-2222~USA\
PER~CN~John Smith~TE~3139959989~FX~3139950330~EM~john.smith@abcoil.com\
PER~EA~John Doe~TE~3139959988~FX~3139950329~EM~john.doe@abcoil.com\
TFS\sim T2\sim TOR\sim\sim TC\sim T42IA1234
                                                     Begin Terminal Report
REF~55~1\
                                                     Sequence Number
                                                     Ending Inventory Date
DTM~184~20050731\
                                                     |Gain/Loss for Gasoline
FGS~GL~PG~065\
                                                     Sequence Number
REF~55~2\
TIA~5002~~~-500~GA\
                                                     Loss Amount
FGS~EI~PG~065\
                                                     Ending Inventory for Gasoline
REF~55~3\
                                                     Sequence Number
TIA~5002~~~21500~GA\
                                                     Inventory Amount
TFS\sim T3\sim 15A\sim PG\sim 065\sim 94\sim PL\setminus
                                                     Begin Schedule of Receipts for Gasoline
REF~55~4\
                                                     Sequence Number
                                                     Point of Origin
N1~OT~~TC~T42IA7654\
                                                     Position Holder Information
N1~ON~Fuel Position Holder Inc~24~416666666\
                                                     Carrier Information
N1~CA~Fuel Carrier Inc~24~418888888\
N1\sim DT\sim\sim TC\sim T42IA1234
                                                     Point of Destination
FGS~D~BM~00123456\
                                                     Bill of Lading
REF~55~5\
                                                     Sequence Number
DTM~095~20050711\
                                                     Bill of Lading Date
TIA~5005~~~8005~GA\
                                                     Bill of Lading Net
TIA \sim 5006 \sim \sim 8000 \sim GA \setminus
                                                     Bill of Lading Gross
                                                     Bill of Lading Billed
TIA~5007~~~8000~GA\
                                                     Bill of Lading
FGS~D~BM~00123457\
REF~55~6\
                                                     Sequence Number
                                                     Bill of Lading Date
DTM~095~20050721\
                                                     Bill of Lading Net
TIA~5005~~~8005~GA\
                                                     Bill of Lading Gross
TIA~5006~~~8000~GA\
                                                     Bill of Lading Billed
TIA~5007~~~8000~GA\
FGS~D~BM~00123458\
                                                     Bill of Lading
REF~55~7\
                                                     |Sequence Number
DTM~095~20050731\
                                                     Bill of Lading Date
TIA~5005~~~8005~GA\
                                                     Bill of Lading Net
TIA~5006~~~8000~GA\
                                                     Bill of Lading Gross
TIA~5007~~~8000~GA\
                                                     Bill of Lading Billed
TFS\sim T3\sim 15B\sim PG\sim 065\sim 94\sim PL
                                                     Begin Schedule of Disbursements for Gasoline
                                                     Sequence Number
REF~55~8\
N1~OT~~TC~T42IA1234\
                                                     Point of Origin
                                                     Position Holder Information
N1~ON~Fuel Position Holder Inc~24~416666666\
N1~CA~Fuel Carrier Inc~24~418888888\
                                                     |Carrier Information
N1~BY~Fuel Buyer Inc~24~417777777\
                                                     Buyer Information
N1\sim ST\sim IA\setminus
                                                     Point of Destination
FGS~D~BM~00223456\
                                                     Bill of Lading
REF~55~9\
                                                     Sequence Number
DTM~095~20050711\
                                                     Bill of Lading Date
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 $TIA \sim 5005 \sim \sim 8005 \sim GA \setminus$  $TIA \sim 5006 \sim \sim 8000 \sim GA \setminus$  $TIA{\sim}5007{\sim}{\sim}{\sim}8000{\sim}GA \setminus$ FGS~D~BM~00223457\ REF~55~10\ DTM~095~20050721\  $TIA\sim5005\sim\sim8005\sim GA$  $TIA\sim5006\sim\sim8000\sim GA$  $TIA{\sim}5007{\sim}{\sim}{\sim}8000{\sim}GA \setminus$  $FGS{\sim}D{\sim}BM{\sim}00223458 \setminus$ REF~55~11\  $DTM{\sim}095{\sim}20050731 \backslash$  $TIA{\sim}5005{\sim}{\sim}{\sim}8005{\sim}GA \setminus$  $TIA \sim 5006 \sim \sim 8000 \sim GA \setminus TIA \sim 5007 \sim \sim 8000 \sim GA \setminus$ SE~68~10003\  $GE\sim1\sim1103$ IEA~1~00000003\

|Bill of Lading Net |Bill of Lading Gross |Bill of Lading Billed |Bill of Lading |Sequence Number |Bill of Lading Date |Bill of Lading Gross |Bill of Lading Gross |Bill of Lading Billed |Bill of Lading Date |Bill of Lading Date |Bill of Lading Net |Bill of Lading Gross |Bill of Lading Gross |Bill of Lading Gross