



# Kentucky Department of Revenue

## Motor Fuels Excise Tax Electronic Tax Filing Implementation Guide ANSI X12 813

## Version Control

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# Chapter 1 – Introduction

## General

Thank you for your interest in the Kentucky Department of Revenue Motor Fuel Tax Electronic Filing (e-Filing) Program. This guide contains the required electronic file formats as well as general plain text instructions needed to file Gasoline Tax, Special Fuel Tax, Liquefied Petroleum Gas Tax, Transporters, and Terminal Operator Reports electronically with the Kentucky Department of Revenue. This guide is designed to provide the rules, procedures, and technical requirements for electronic filing. All areas presented in this guide must be followed for successful participation in the e-Filing Program.

The Commonwealth of Kentucky ANSI X12-813 EDI Map is compliant with the FTA Motor Fuel Uniformity Committee's recommendations with the following exceptions: Kentucky is requiring the use of the "49" = State assigned Identification Number (driver's license or state 9 digit number) for the N1 segments in the schedule section of the map. In addition, Kentucky is requiring the use of the XX = Border River state postal code for sales of special fuel to vessels that operate on their river system. This code is used on the export schedule to identify these sales.

## State Contact

You may direct questions regarding the Motor Fuel Tax e-Filing Program by calling the Motor Fuel Tax Section between the hours of 8:00 a.m. and 5:00 p.m., Eastern Time, Monday through Friday.

Kentucky Department of Revenue  
PO Box 1303, STA 63  
Frankfort, KY 40602-1303  
Phone (502) 564-3853  
FAX (502) 564-2906  
[KRC.WEBResponseMotorFuels@ky.gov](mailto:KRC.WEBResponseMotorFuels@ky.gov)

## Document Updates

The information contained in this guide is subject to change. If you are an Electronic Participant in the e-Filing Program, the State will notify you when updated versions of this guide are available for download from the following web site:

<https://revenue.ky.gov/Business/Motor-Fuels-Tax/Pages/default.aspx>

Updates may include, but are not limited to:

- Changes in Motor Fuel Tax laws and regulations
- Changes to Motor Fuel Tax returns or reports
- Changes in Motor Fuel Tax rates
- New or additional schedules
- New or additional tax forms added to the Motor Fuel Tax e-Filing Program
- Changes in Motor Fuel Tax e-Filing Program rules or requirements

## Basic Introduction to EDI

Electronic Data Interchange (EDI) allows the electronic exchange of business documents from one company's computer to another's computer in easily processed, national standard data formats. This direct, computer-to-computer exchange of business information lessens the expense associated with processing paper as well as the costs, errors, and time delays associated with data entry.

The adoption of national standards for electronic filing enables both organizations to use standard business document formats called "transaction sets". The agency responsible for developing and maintaining these standard business document formats is the **Accredited Standards Committee X12 (ASC X12) of the American National Standards Institute (ANSI)**. In addition, the Federation of Tax Administrators (FTA) has further defined this format. These standards were utilized to develop the EDI map that the electronic participants will follow to create their data set for the Motor Fuels Tax Section.

An EDI transmission is made up of one or more transaction sets, which is the term used to describe the electronic equivalent of a paper document. Entities trading EDI documents, such as between a taxpayer and a state, are called trading partners.

The data included in a transaction set conveys the same information as the conventional paper document. Within each transaction set there are sections that correspond directly to the format of the paper document:

- The **header section** contains information that pertains to the entire document such as the filing date, company name, address, filing period, account number, contact information, etc.
- The **return section** contains information describing which return is present in the data set.
- ~~The **summary item section** contains summary information that cannot be derived from the detail such as other exempt removals, etc.~~ Not used by Kentucky.
- The **transaction detail section** includes the same information found on the paper

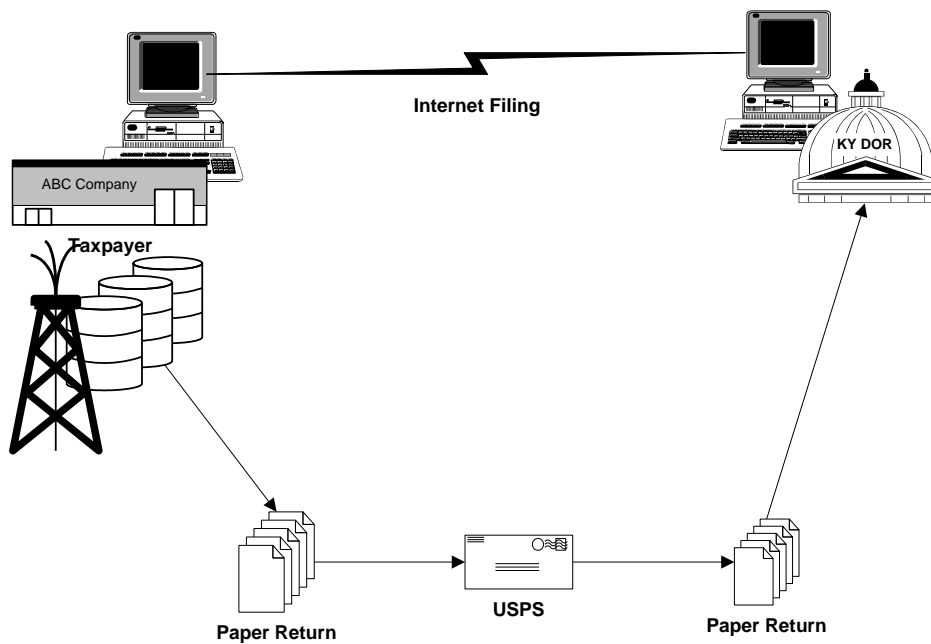
schedules, such as bill of lading, carrier information, origin and destination information, quantities, etc.

To gain the maximum benefits of EDI, an organization's systems must have the following two characteristics:

1. The flow of information must be integrated. In other words, the data must flow between automated business management systems using EDI software without being re-keyed.
2. The automated business management systems must be intelligent. These systems must be able to automatically process routine transactions according to those limits defined by the businesses conducting trade (Trading Partners).

The figure below illustrates the information flow from taxpayer to tax authority both in the paper and electronic processing environment. To effectively and efficiently process large volumes of information, both parties to the transaction need to eliminate paper processing by sharing information electronically. Electronically both parties can communicate and resolve errors faster; thereby reducing cost related to overhead.

### Information Flow Model



The EDI documents can be transmitted directly between organizations. The organizations trading EDI documents are called Trading Partners.

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## Chapter 2 – Program Overview

The electronic filing of a tax return can be initiated as one transaction via EDI translation software. Translation software converts the format of the data in the tax return to the specific EDI format. There are a number of ways to gain access to EDI translation software.

- Develop your own EDI translation software.
- Purchase EDI translation software that formats the data in the tax return to the specific EDI format. Please note that if your company has already installed EDI translation software, you may utilize the existing translator to create your electronic tax filing.
- Purchase PC-based software that computes the required taxes from your input, translates the input into the electronic format, and transmits it.

The State will use a variety of electronic filing formats. This document is the reference for the ANSI ASC X12 Version Release 004030 EDI Standards for the Motor Fuel Tax program. The standard EDI business document format to be used for the electronic filing of Motor Fuel Tax return data is the ANSI ASC X12 “Electronic Filing of Tax Return Data”, called the 813 transaction set. The 813 is the foundation for filing tax return data electronically and is being implemented by a number of states, thereby decreasing taxpayer’s burdens in tracking differences among state EDI programs.

### Role of the Software Developer

Proper formatting and strict adherence to these guidelines are necessary for successful electronic filing. The users of the software rely on their software developer to provide a system that is easy to use and understand, fits their business needs, and ensures accurate translation of their tax filing data. One of the key functions that software developers provide is interpretation of the 813.

### Program Benefits

The State has designed an Electronic Data Interchange (EDI) and Electronic Funds Transfer (EFT) program for the electronic filing and payment of Motor Fuel Tax returns and taxes.

Advantages of participating in the State’s EDI and EFT Program include:

- Elimination of cost and time to generate, sign and mail returns and checks.
- Rapid and secure movement of Motor Fuel Tax return data allowing for faster processing and response.
- Comprehensive audit trail for both the return and payment.
- Elimination of postal delays and possible late filing/payment fees.
- A consistent, standard format, resulting in easier and less costly implementation efforts.
- Allows the State to implement a fuel tracking system, thus enabling the State to track fuel and reduces Motor Fuel Tax fraud, which keeps fuel tax evaders from undercutting honest fuel marketers.

The purpose of this guide is to present the business issues, which must be addressed by any tax filer, and discuss the technical issues such as the proper data mapping of the 813 transaction set.

## Persons Required to File Electronically

Kentucky Revised Statute (KRS) 138.240(1) states, "Every gasoline dealer and every special fuel dealer shall, by the twenty-fifth day of each month, transmit to the Department of Revenue reports on the forms the department may prescribe, of the total number of gallons of gasoline and special fuel received in this state during the next preceding calendar month." For tax periods beginning on or after January 1, 2007, the report shall be submitted electronically per KRS 131.250. The filing method prescribed to use is the X12 813 standards for electronic filings and data transmission.

Pursuant to KRS 131.155(2)(b), tax periods beginning on or after January 1, 2007, the payments shall be transmitted electronically. Electronic methods available are ACH Credit and ACH Debit.

Failure to comply with these statutes may result in the revocation of license(s). The taxpayer must contact the Motor Fuels Tax Compliance Section to start an EDI filing process.

Should you have any problems initiating the EDI process for the Motor Fuels Taxes, please contact our appropriate tax representative. See State Contact in Chapter 1 of this document for contact information.

## Acceptable Electronic Formats

The State is currently accepting ANSI ASC X12 Standards Release Version 4030, Electronic Data Interchange (EDI) filing format to file Motor Fuel Tax returns and reports. This guide is specific to the ANSI ASC X12 Standards Release Version 4030 only.

**It will be the taxpayer's responsibility to ensure the X12 813 document was successfully sent.**

Taxpayers can access the system to submit their filings at the following web site:

<https://motorfuels.ky.gov/fuelweb/home>

## Valid Transmission Methods

The State will only accept X12 813 formatted Motor Fuel tax returns and reports transmitted via the Internet. No magnetic tape filing or data stored on a floppy diskette will be accepted.

## Security

The State Motor Fuel Tax e-Filing Program uses the Internet to receive and transmit Motor Fuel tax returns and reports. It incorporates the following technological attributes to ensure data security: User-ID, Password, Data Encryption, Electronic Signature (Authorization and Security Codes), and Confirmations. Each Electronic Participant must also use security procedures that are reasonably sufficient and use its best efforts to ensure that all transmissions of Motor Fuel tax returns and reports are authorized. An Electronic Participant must take the necessary precautions to safeguard its technological attributes and notify the State at 502-564-3853 when it has knowledge that its technological attributes have been compromised or a change in its authorized representative has occurred.

## **Requirement to Provide FEIN**

Electronic filers are required to obtain and report the FEIN (Federal Employer Identification Number), SSN (Social Security Number) or State assigned account of all persons involved in a reportable fuel transaction. An Information Provider is also required to furnish its FEIN, SSN or Canadian Social Insurance number upon the request of another Information Provider involved in a reportable fuel transaction. (For example, a Terminal Operator is required to obtain a truck carrier's FEIN when the carrier makes a delivery to/from the terminal.)

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# Chapter 3 – Getting Started

## Registration

All tax return and information report filers can file using an electronic file upload. Web filers who decide to file using the 813 format can make the change immediately. First time users of the X12 813 format should submit a test file to Revenue to ensure it is formatted correctly.

All electronic filers must make payments by Electronic Funds Transfer (EFT) using ACH Debit or ACH Credit.

**It will be the taxpayer's responsibility to ensure the X12 813 document was successfully sent.**

## Timely Filing

All monthly returns and reports must be filed on or before the 25th day of the month following the month in which the transaction took place. The EFT transactions must also be postmarked or received on or before the due date. Example, for March transactions, the Gasoline Tax Report and Special Fuels Tax Report are due by April 25<sup>th</sup>.

Timely returns are based on the Postmark Date of the electronic tax return submitted to the State.

In the paper-based world, a tax filer is considered to have fulfilled filing obligations by submitting the tax return and payment with sufficient information to post the filing to the correct account by the due date.

Although paper filings are rarely rejected, in the Electronic Commerce (EC) world any field that is stated to be mandatory in the State's mapping that is not complete can cause a filing to be rejected. A rejected filing could put the tax filer at risk for having failed to file or failed to file in a timely fashion. In the EC world, non-accounting data may be designated as "mandatory" even if it is not essential for the posting of the transaction. Similarly, in a highly structured EDI environment, syntactical errors (example: the use of alpha characters in a field designated as strictly numeric), can cause an electronic transaction to be rejected.

The State, therefore, will require the following rules be met in order for a filing to be considered timely:

- A. The electronic document must have sufficient information to identify the tax type, calculate tax liability, and meet the posting requirements of the State (e.g. must complete all mandatory fields).
- B. The electronic document must be filed in an EDI X12 813 format as designated by the State.
- C. The electronic document must have sufficient information to permit the mathematical verification of the tax liability.
- D. The electronic document must have enough information to identify the Taxpayer and/or filer.
- E. The tax filing must have enough financial information to be able to process a payment request to the State's banking agent.

**Failure to make timely payments will subject you to penalty and interest as prescribed by law.**

Taxpayers can access the system to verify and submit their filings at the following web site:

<https://motorfuels.ky.gov/fuelweb/home>

## **Due Diligence, Timely Filing, Proof of Filing**

It is understood that a taxpayer is expected to show due diligence in submitting all electronic tax filings and electronic tax payments. This means that the taxpayer is expected to show ordinary business care and prudence in submitting all tax filings.

Due diligence would indicate that the information included should be correct, complete, timely, and that there should not be any willful neglect involved.

## **Acknowledgments**

Upon uploading their EDI file into the portal, each filer will receive an acknowledgment email verifying the successful receipt of OR error encountered on submitted filing. They will need to log in to their account to view and correct the errors.

## **Timing of Transactions**

The State realizes that tax filers cannot be responsible for knowing all "local" holidays that might affect the transmission or receipt of an electronic return or payment transaction. With this understanding, the State has adopted a policy of accepting returns or payments on the next business day should the statutory due date falls on a weekend or holiday. All current and future year listings of State holidays can be found on the State's web site at (<https://personnel.ky.gov/pages/leave.aspx>).

If the statutory due date is on a weekend or a state holiday, the State will accept the electronic returns and payments on the next business day as if timely filed. When this occurs the tax filer is responsible for initiating the transaction on the next business day after the holiday or weekend to allow the electronic return and payment to be considered timely filed.

The following is an example of how the effective date could be changed when a tax filing due date falls on a holiday or weekend:

PROCESS	DATE/TIME
Due Date	02/25/07 (Sunday)
Receipt Date of Electronic Tax Filing and ACH Debit Request	02/26/07 (Monday)
ACH Debit Request Sent to Bank	02/26/07 (Monday)
Results in Timely Filing	02/26/07 Date accepted by State as timely filing

## Testing Procedures

These are the steps you will need to follow for testing and approval by the State of your EDI tax filing.

1. See Chapter 1 State Contact for the primary contact to set up a schedule for testing.
2. Provide the State a contact person's telephone number and e-mail address.
3. A teleconference will be held prior to testing to answer questions and to provide testing procedures.
4. A successful test of an electronic filing is required before electronic filing is approved.

## Original Returns

Original returns created in the system have until the filing due date to be corrected. The corrected resubmission has to be a complete Original file upload. Original returns that were filed by EDI may be resubmitted via EDI upload or created through web filing. Dealers have the ability to resubmit a new Original file up to the day prior to the filing due date.

Errors will either stop the creation of a return or create a return with correctable errors. A new corrected file will have to be submitted when a file failed to create otherwise, errors identified in the created report have to be corrected prior to certifying the report for filing.

## Amended Returns

Amended returns are to be filed in the same manner as the original return was filed. Original returns filed via paper return must be amended with a paper amended return. Original returns that were filed EDI must be amended via EDI or web. EDI Amendment submissions should only provide those schedule details representing/identifying the corrected loads.

Errors that are identified by the State or are discovered by the system should be corrected and submitted with the current month's file or as a supplemental transmission with only the corrections. The Electronic Participant should use element BT114 instead of BT113 when filing supplemental data.

Regardless of whether the error corrections are made on the current month's filing or by filing supplemental data, the preferred method for reporting corrections is the reporting of a reversing entry to back out the original reporting, followed by an entry to report the corrected data.

## Important Tips

- Round to whole gallons. Round down all amounts less than .50 and round up all amounts of .50 through .99. Decimal points are not valid in the gallon fields.
- Please make certain that the information on the tax return is correct before filing. The information on the front of the Gasoline tax return, the Special Fuel tax return, and other returns must be supported by the information found on the proper schedules.
- Please provide complete information. Do not shorten names or cities unless an abbreviation is required.
- You must enter the manifest or bill of lading number and date on the schedule.
- You must enter both the buyer and seller FEIN and name.
- You must enter the destination city and state on all schedules unless the transaction is delivered to a terminal. In this case, you would enter the IRS terminal control number (TCN).



# Chapter 4 – EDI Mapping Requirements

## 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 X12-813.

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

## 813 Transaction Set Structure and Usage

Please reference the diagram (813 map flow). The State's mapping of the 813 for Motor Fuels uses the header portion to capture taxpayer entity and filing identification information. Line data on the tax return is calculated but not captured. Calculated data on the face of the return is captured in the detail portion of the 813 using the Tax Form Segment (TFS). Each TFS contains other segments related to a specific schedule. Multiple Form Group Segments are contained within the TFS and reflect data associated with each line on the schedule identified in the TFS.

Whenever a filing is made that does not contain schedule detail information, use the Reference Number Segment No Activity. The trailer portion of the 813 is used to identify and mark the end of each 813 transaction set within the Functional Group, and a count of the segments within it.

The following pages specify the State's translation requirements for the 813 transaction set, Version 004030. **Note: Some segments and data elements that may be optional in the ANSI ASC X12 standards are listed here as mandatory.** This means that the State requires this information and it must be present in the transaction set to be a valid tax return.

The State strongly recommends that you have a general familiarity with EDI and X12 in order to process your tax filing using X12 standards. To learn more about ANSI ASC X12 standards, please contact:

ASC X12 Secretariat  
Data Interchange Standards Association, Inc.  
1800 Diagonal Road, Suite 200  
Alexandria, VA 22314-2852  
(703) 548-7005

# Separator Requirements

**Table 1 - Separator Requirements**

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

# Attribute Conventions

**Table 2 - Attribute Conventions**

Attribute	Definition
Data Element Type	<p><b>Nn – Numeric</b> 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.</p> <p><b>R – Decimal (Real)</b> 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.</p> <p><b>ID – Identifier</b> 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.</p> <p><b>AN – String</b> 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.</p> <p><b>DT – Date</b> 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).</p> <p><b>TM – Time</b> 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).</p>
Requirement Designator	<p>Defines how the data element is used in a segment.</p> <p><b>M</b> Mandatory data element - This element is required to appear in the segment.</p> <p><b>O</b> Optional data element - The appearance of this data element is at the option of the sending party or is based on a mutual agreement of the interchange parties.</p> <p><b>X</b> Relational data element - Relational conditions may exist between two or more data elements. If one is present the other/s is required. The relational condition is displayed under the Syntax Noted of the X12 Standards.</p>
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	<p><b>Z – Designator</b> A data element within a segment may have a designator (Z) that indicates the existence of a semantic note. Semantic notes are considered part of the standard. If a condition designator and a semantic note both affect a single data element, the condition will appear first, separated from the semantic note designator by a vertical bar ( ). The number 00 to the left of the comment identifies semantic notes that are general in nature.</p>

# Chapter 5 – 813 EDI Combined Reporting

## ANSI ASC X12 –813 EDI Standards

RELEASE • 004030		TRANSACTION SET TABLES • 813				
<b>813 Electronic Filing of Tax Return Data</b>						
FUNCTIONAL GROUP- <b>TF</b>						
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.						
<b>Table 1</b>						
NOTE	POS.NO.	SEG.ID	NAME	REQ.DES.	MAX USE	LOOP REPEAT
	0100	ST	Transaction Set Header	M	1	
	0200	BTI	Beginning Tax Information	M	1	
	0300	DTM	Date/Time Reference	M	10	
N	0400	TIA	Tax Information and Amount	O	1000	
	0430	REF	Reference Identification	O	10	
	0450	TRN	Trace	O	1000	
	0470	BPR	Beginning Segment for Payment Order/Remittance Advice	O	1000	
<b>LOOP ID - N1</b>						
N	0500	N1	Name	O	1	>1
	0600	N2	Additional Name Information	O	2	
	0700	IN2	Individual Name Structure Components	O	10	
	0800	N3	Address Information	O	2	
	0900	N4	Geographic Location	O	1	
	1000	PER	Administrative Communications Contact	O	2	
<b>Table 2</b>						
NOTE	POS.NO.	SEG.ID	NAME	REQ.DES.	MAX USE	LOOP REPEAT
<b>LOOP ID - TFS</b>						
	0100	TFS	Tax Form	O	1	100000
	0200	REF	Reference Identification	O	10	
	0300	DTM	Date/Time Reference	O	10	
	0400	MSG	Message Text	O	1000	
<b>LOOP ID - N1</b>						
N	0500	N1	Name	O	1	>1
	0600	N2	Additional Name Information	O	2	
	0700	IN2	Individual Name Structure Components	O	10	
	0800	N3	Address Information	O	2	
	0900	N4	Geographic Location	O	1	
<b>LOOP ID - TIA</b>						
N	0920	TIA	Tax Information and Amount	O	1	10000
	0940	DTM	Date/Time Reference	O	10	
	0960	MSG	Message Text	O	1000	
<b>LOOP ID - FGS</b>						
	1000	FGS	Form Group	O	1	100000
	1100	REF	Reference Identification	O	10	
	1200	DTM	Date/Time Reference	O	10	
<b>LOOP ID - N1</b>						
N	1300	N1	Name	O	1	>1
DECEMBER 1999						
<b>1</b>						

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

813 • TRANSACTION SET TABLES

RELEASE • 004030

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

**Table 3**

NOTE	POS.NO.	SEG.ID	NAME	REQ.DES.	MAX USE	LOOP REPEAT
	0100	<b>SE</b>	<u>Transaction Set Trailer</u>	M	1	
Changes loop repeat value in table/positions 1/0500, 2/0500 and 2/1300.						6   205299

**NOTES**

- 1/0400 The TIA segment allows for tax information and amounts associated with the entire filing. At least one occurrence of the TIA segment must be present in the transaction set, either in Table 1 or Table 2.
- 1/0500 This N1 loop reflects names and addresses associated with the entire filing.
- 2/0500 This N1 loop reflects names and addresses associated with a particular tax form (TFS).
- 2/0920 At least one occurrence of the TIA segment must be present in the transaction set, either in Table 1 or Table 2.
- 2/1300 This N1 loop reflects names and addresses associated with a particular subset of a tax form.
- 2/1800 At least one occurrence of the TIA segment must be present in the transaction set, either in Table 1 or Table 2.

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

# 813 Combined Reporting Structure

Key:

Not Used by Kentucky

**Segments for the FTA standards that are not used.**

**Table1**

Pos No	Uniform 813 Map	Header
0100	<b>ST</b>	Transaction Set Header
0200	<b>BTI</b>	Identify Tax Agency Information
0300	<b>DTM</b>	Tax Filing Period
0400	<b>TIA</b>	Confidential Information
0400	<b>TIA</b>	Total Net Reported
0430	<b>REF</b>	Line Item Control Number
0470	<b>BPR</b>	Payment Order Remittance Advice
0500	<b>N1</b>	Taxpayer Name Detail
0600	<b>N2</b>	Additional Taxpayer Name Detail
0800	<b>N3</b>	Address Detail
0900	<b>N4</b>	City, State, Zip Code Detail
1000	<b>PER</b>	General Contact Person
1000	<b>PER</b>	EDI Contact Person
0500	<b>N1</b>	Mailing Name Detail
0600	<b>N2</b>	Additional Mailing Name Detail
0800	<b>N3</b>	Mailing Address Detail
0900	<b>N4</b>	Mailing City State Zip Code Detail

**Table2**

Pos No	Uniform 813 Map	Returns/Reports	SUM	SCH
<b>0100</b>	<b>TFS</b>	SDR/CCR/TOR Returns	Summary Information	Schedules
0200	<del>REF</del>	Relationship to the Transaction	Relationship to the Transaction	Relationship to the Transaction
0200	<del>REF</del>	Sequence Error ID Number	Sequence Error ID Number	Sequence Error ID Number
0200	<b>REF</b>	No Activity		
0300	<del>DTM</del>	Sold/Purchase Date		
0300	<del>DTM</del>	Ending Inventory Date		
0500	<b>N1</b>			Point of Origin
0500	<b>N1</b>			Seller Information
0500	<b>N1</b>			Receiving Position Holder Information
0500	<del>N1</del>			Receiving Exchange Party Information
0500	<b>N1</b>			Person Hiring Carrier (Consignor)
0500	<b>N1</b>			Carrier Information
0500	<b>N1</b>			Buyer/Consignee Information
0500	<b>N1</b>			Point of Destination
0920	<del>TIA</del>	Total Due/ Transported		
1000	<b>FGS</b>	Physical Inventory by Product	Summary Data	Bill of Lading
1100	<del>REF</del>	Sequence Error ID Number	Sequence Error ID Number	Sequence Error ID Number
1200	<b>DTM</b>			Bill of Lading Date
1800	<b>TIA</b>	Physical Inventory	Information	Bill of Lading Net
1800	<b>TIA</b>		Interest	Bill of Lading Gross
1800	<b>TIA</b>		Penalty	Bill of Lading Billed

**Table 3**

Pos No	Uniform 813 Map	Trailer
0100	<b>SE</b>	Transaction Set Trailer

# 813 Map Flow

- 0100	ST	<b>Transaction Set Header (TS 813)</b>		Max 1
0200	BTI	Identify Tax Agency Information		
0300	DTM	Tax Filing Period		
0400	TIA	Confidential Information		
0400	TIA	Total Net Reported		
0430	REF	Line Item Control Number		
0470	BPR	Payment Order/Remittance Advice		
-0500	N1 Loop	<b>Taxpayer Name Detail</b>		Max 1
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 Loop	<b>Mailing Name Detail</b>		Max 1
0600	N2	Additional Mailing Name Detail		
0800	N3	Mailing Address Detail		
0900	N4	Mailing City, State, Zip Code Detail		
0100	TFS Loop	<b>Report Information</b>		Max 100,000
0200	REF	Relationship to the Transaction Information		
0200	REF	Sequence Number		
0200	REF	No Activity		
0300	DTM	Sold/Purchased Date		
0300	DTM	Ending Inventory Date		
0920	TIA	Total Due/Transported		
-1000	FGS Loop	<b>Physical Inventory by Product</b>		Max 100,000
1100	REF	Sequence Number		
1800	TIA	Physical Inventory		
0100	TFS Loop	<b>Summary Information</b>		Max 100,000
0200	REF	Relationship to the Transaction information		
0200	REF	Sequence Number		
-1000	FGS Loop	<b>Summary Data</b>		Max 100,000
1100	REF	Sequence Number		
1800	TIA	Information		
1800	TIA	Interest		
1800	TIA	Penalty		
0100	TFS Loop	<b>Schedules</b>		
0200	REF	Relationship to the Transaction information		
0200	REF	Sequence Number		
0500	N1	Point of Origin		
0500	N1	Seller Information		
0500	N1	Position Holder Information / Delivering Exchange Party Information		
0500	N1	Receiving Exchange Party Information		
0500	N1	Person Hiring Carrier (Consignor)		
0500	N1	Carrier Information		
0500	N1	Buyer/Consignee Information		
0500	N1	Point of Destination		
-1000	FGS Loop	<b>Bill Lading</b>		Max 100,000
1100	REF	Sequence Number		
1200	DTM	Bill of Lading Date		
1800	TIA	Bill of Lading Net		
1800	TIA	Bill of Lading Gross		
1800	TIA	Bill of Lading Billed		
-0100	SE	<b>Transaction Set Trailer</b>		

Maximum Number of TFS Loops = 100,000

# 813 Motor Fuels EDI Map

Key:

Not Used in FTA Map

Notes

Not used by Kentucky

**Not used: no data to transmit**

Note: It is important to read all notes

~~Segments, Elements and Codes not used by Kentucky that are part of the Standard FTA Map~~

## Interchange Control Header Description

Table 3 - Interchange Segment

Interchange Segment								(Required)
Element ID	Elem Ref #	Sub-Ele Ref#	Field Status	Field Name	Field Type	Length		Field Description
						Min.	Max.	
ISA01	I01		M	Authorization Information Qualifier	ID	2	2	“03” = Additional Data Identification
ISA02	I02		M	Authorization Information	AN	10	10	Enter the 10-character Authorization Code. Use the filer’s FEIN # followed by additional “0” (zero). Example: “1234567890”
ISA03	I03		M	Security Information Qualifier	ID	2	2	“00” = No Security Information Present (No Meaningful Information In ISA 040 “01” = Password
ISA04	I04		M	Security Information	AN	10	10	Not Required: if ISA03=“01”, fill with “b” i.e.”bbbbbbbb” where “b” is a blank space
ISA05	I05		M	Interchange ID Qualifier	ID	2	2	“32” = the Interchange Sender ID Qualifier for the sender’s FEIN
ISA06	I06		M	Interchange Sender ID	AN	15	15	Sender’s FEIN plus 6 spaces [xxxxxxxx ]
ISA07	I05		M	Interchange ID Qualifier	ID	2	2	“01” = Duns Number
ISA08	I07		M	Interchange Receiver ID	AN	15	15	“614553816T ” = Motor Fuel Tax Section DUNS number plus 5 spaces.
ISA09	I08		M	Interchange Date	DT	6	6	“YYMMDD” = Date Of The Interchange
ISA10	I09		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” = Draft standards for trial use approved for publication by ASC X12 procedures review board.
ISA13	I12		M	Interchange Control Number	N0	9	9	Filer defined unique control number for this filing. This control number must be greater than the last one used. This number should also be entered in IEA02.
ISA14	I13		M	Acknowledgment Requested	ID	1	1	“1” = Acknowledgment Required “0” = Acknowledgment Not 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~03~T5ZXF54W21~00~ ~32~757654321 ~01~614553816T ~020613~0931~ ~00403~00000001~0~T~^\ ISA05 Value 32 (FEIN Qualifier) is required. ISA06 Sender FEIN is required. ISA09 does not include the century based on the ANSI ASC X12 Standard.								

## Functional Group Header Description

Table 4 - Function Group Segment

Functional Group Segment								(Required)
Element ID	Elem. Ref #	Sub-Ele Ref#	Field Status	Field Name	Field Type	Length		Field Description
						Min.	Max.	
GS01	479		M	Functional Identifier Code	ID	2	2	“TF” = Electronic Filing Of Tax Return Data (TS813)
GS02	142		M	Application Sender’s Code	AN	2	15	Provide the Sender code of <b>KY606502</b> .
GS03	124		M	Application Receiver’s Code	AN	2	15	<b>Must be Equal to ISA08</b> . Value of <b>614553816T</b>
GS04	373		M/Z	Date	DT	8	8	“CCYYMMDD” = Date
GS05	337		M/Z	Time	TM	4	8	“HHMMSSDD” = Time
GS06	28		M/Z	Group Control Number	N0	1	9	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 Identifier Code	AN	1	12	“004030” = Draft standards approved for publication by ASC X12 procedures review board through 10/99.
Example: GS~TF~KY501312~614553816T~20021001~0931~1101~X~004030\								

## Transaction Set Header Description

Table 5 - Beginning of Transaction Set Segment

Beginning of Transaction Set Header Segment								(Required) Pos. No. 0100
Element ID	Elem Ref #	Sub-Ele Ref #	Field Status	Field Name	Field Type	Length		Field Description
						Min	Max	
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~813~10001~1.0\								



**Identify Tax Agency Information** **(Required)**  
**Begin Tax Information Segment** **Pos. No. 0200**

Element ID	Elem Ref #	Sub-Ele Ref #	Field Status	Field Name	Field Type	Length		Field Description
						Min	Max	
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	"KY" = KY Department of Revenue
BTI05	373		O	Transaction Create Date	DT	8	8	"CCYYMMDD" = Transmission Date
BTI06	818		O	Name Control ID	AN	4	4	First 4 positions of Taxpayer's Legal Business Name. If business name is less than 4 characters, left justify name control and pad with "*".
BTI07	66		X	ID Code Qualifier	ID	2	2	"24" = FEIN Federal Employer Identification Number or Kentucky assigned account number. "34" = SSN (Social Security Number)
BTI08	67		X	ID Code	AN	9	18	Taxpayer's FEIN
<del>BTI09</del>	<del>66</del>		<del>X</del>	<del>ID Code Qualifier</del>	<del>ID</del>	<del>2</del>	<del>2</del>	<del>"49" = State (assigned) Identification Number</del>
<del>BTI10</del>	<del>67</del>		<del>X</del>	<del>ID Code</del>	<del>AN</del>	<del>2</del>	<del>20</del>	<del>Kentucky assigned Motor Fuel license number</del>
<del>BTI11</del>	<del>66</del>		<del>X</del>	<del>ID Code Qualifier</del>	<del>ID</del>	<del>2</del>	<del>2</del>	<del>"48" = IRS Electronic Filer ID Number</del>
<del>BTI12</del>	<del>67</del>		<del>X</del>	<del>ID Code</del>	<del>AN</del>	<del>9</del>	<del>15</del>	<del>637 Permit Number</del>
BTI13	353		O	Transaction Set Purpose Code	ID	2	2	Options: "00" = Original
BTI14	640		O	Transaction Type Code	ID	2	2	Options: "6S" = Supplemental

Example:

BTI~T6~050~47~MS~20020613~ABCD~24~373456789~~~~~00\

BTI08 must be the FEIN if the taxpayer has one if not use your State assigned taxpayer identification number.

BTI10 use the license number as it appears on the Gasoline, Special Fuel, Terminal Operator, or Transporter License issued to you by the State.

The application of 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 is located below. **See additional information in the Kentucky EDI Implementation Guide.**

Element	Application
<b>BTI13 [Initial Return]</b>	
"00" = Original	Use "Original" when first attempt to transmit your return to the State.
<b>BTI14 [Amended Return]</b>	
"6S" = Supplemental	Use "Supplemental" when transmitting new or additional data not included in original or amended return or when adjusting or correcting an original or amended return.

Tax Filing Period								(Required)	
Date/Time Reference Segment								Pos. No. 0300	
Element ID	Elem Ref #	Sub-Ele Ref #	Field Status	Field Name	Field Type	Length		Field Description	
						Min	Max		
DTM01	374		M	Date/Time Qualifier	ID	3	3	"194" = Tax Period End Date <del>"683" = Filing Period</del>	
DTM02	373		X	Date	DT	8	8	"CCYYMMDD" = Tax Filing Period End	
<del>DTM03 and DTM04 are not used.</del>									
DTM05	1250		X	<del>Date Time Period Format Qualifier</del>	ID	3	3	<del>"RD8" = Range of Dates</del>	
DTM06	1251		X	<del>Date Time Period</del>	AN	17	17	<del>"CCYYMMDD-CCYYMMDD" = Tax Filing Period Beginning and Ending Dates.</del>	
Example: DTM~194~20020930\ If qualifier "194" is used in DTM01, then DTM05 and DTM06 are not used.									

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

Total Net Reported									
Tax Information and Amount Segment								Pos. No. 0400	
Element ID	Elem Ref #	Sub-Ele Ref #	Field Status	Field Name	Field Type	Length		Field Description	
						Min	Max		
TIA01	C037	817	M	Tax Information Code	AN	4	4	"5001" = Total Net Reported	
<del>TIA02 and TIA03 are not used.</del>									
TIA04	380		X	Quantity	R	1	15	Total Number of Net Gallons/Liters in Tax Filing	
TIA05	C001	355	M	Unit of Measurement Code	ID	2	2	"GA" = Gallons "LT" = Liters	
<del>TIA-5001---1000000-GA\ Syntax Notes: TIA04 is required. If TIA05 is present, then TIA04 is required. FTA Notes: Even though this value can be calculated, it is included, as a control figure to verify that the amount calculated by the Tax Authority is the same as expected by the taxpayer.</del>									

Line Item Control Number							Pos. No. 0430	
Reference Number Segment								
Element ID	Elem Ref #	Sub-Ele Ref #	Field Status	Field-Name	Field Type	Length		Field Description
						Min	Max	
REF01	128		M	Reference Identification Qualifier	ID	2	2	"FJ" = Line Item Control Number
REF02	127		X	Reference Identification	AN	4	9	Control Number
REF-FJ-0001234\								
Syntax Notes: REF02 is required.								
FTA Note: 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.								

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							(Optional)	
Beginning Segment								Pos. No. 0470
Element ID	Elem Ref #	Sub-Ele Ref #	Field Status	Field-Name	Field Type	Length		Field Description
						Min	Max	
BPR01	305		M	Transaction Handling Code	ID	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	ID	1	1	"D" = Debit
BPR04	591		M	Payment Method Code	ID	3	3	"ACH" = Automated Clearing House
BPR05	812		M	Payment Format Code	ID	3	3	"CCD" = Cash Concentration/Disbursement "CCP" = Cash Concentration/Disbursement plus Addenda (CCD+)
BPR06 through BPR11 are not inserted by the taxpayer. They are on file with the party that creates the ACH Debit transaction. The taxpayer transmits empty fields for these elements:								
BPR06	506		X/Z	(ODFI) ID Number Qualifier	ID	2	2	"01" = ABA Transit Routing Number and Check Digits.
BPR07	507		X	(ODFI) Identification Number	AN	3	12	State's Bank Routing and Transit Number
BPR08	569		O/Z	(ODFI) Account Number Qualifier	ID	1	3	"DA" = Demand Deposit "SG" = Savings
BPR09	508		X/Z	(ODFI) Account Number	AN	1	35	State's Bank Account Number to be Credited
BPR10	509		Ø	Originating Company Identifier	AN	10	10	State ID Example: Taxing Authority's DUNS Number
BPR11	510		Ø	Originating Company Supplemental Code	Ø	9	9	Code Identifying Fiscal Agent
BPR12	506		X/Z	(RDFI) ID Number Qualifier	ID	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	569		O/Z	(RDFI) Account Number Qualifier	ID	1	3	"DA" = Demand Deposit "SG" = Savings
BPR15	508		X/Z	(RDFI) Account Number	AN	1	35	Taxpayer's Bank Account to be Debited
BPR16	373		O/Z	Date	DT	8	8	The intended payment effective date (CCYYMMDD)
BPR17	1048		O/Z	Business Function Code	ID	1	3	"TAX" = Tax Payment
BPR-S-500-D-ACH-CCD-01-123456789-DA-987654321-20010325-TAX\								
Syntax Notes: If either BPR06 or BPR07 is present, then the other is required.								
If BPR08 is present, then BPR09 is required.								
If either BPR12 or BPR13 is present, then the other is required.								

	If BPR14 is present, then BPR15 is required.
FTA Notes:	This segment should not be mandated by a Taxing Authority.
	ODFI (Originating Depository Financial Institution) is the bank that creates the ACH transaction. For debit transactions, this is the state's Bank.
	RDFI (Receiving Depository Financial Institution) is the bank that accepts the ACH transaction. For debit transactions, this is the Taxpayer's Bank.

Name Detail								(Required)
Name Segment								Pos. No. 0500
Element ID	Elem Ref #	Sub-Ele Ref #	Field Status	Field Name	Field Type	Length		Field Description
						Min	Max	
N101	98		M	Entity Identification Code	ID	2	2	"TP" = Primary Taxpayer "LO" = Information Provider
N102	93		X	Name	AN	1	35	Taxpayer Name
Example: N1~TP~ABC Oil Company\ N102 is required.								

Additional Taxpayer Name Detail								(Optional)
Additional Name Segment								Pos. No. 0600
Element ID	Elem Ref #	Sub-Ele Ref #	Field Status	Field Name	Field Type	Length		Field Description
						Min	Max	
N201	93		M	Name	AN	1	35	Taxpayer Name
N202	93		O	Name	AN	1	35	Taxpayer Name
Example: N2~ABC Terminal Company\ Or N2~ABC Terminal Company~Alpha Terminal\ N201 and N202: Use these elements to provide additional name detail such as a DBA, etc.								

Address Detail								(Optional)
Address Information Segment								Pos. No. 0800
Element ID	Elem Ref #	Sub-Ele Ref #	Field Status	Field Name	Field Type	Length		Field Description
						Min	Max	
N301	166		M	Address Information	AN	1	35	First Line Street Address
N302	166		O	Address Information	AN	1	35	Second Line Street Address
Example: N3~123 C Street\ Or N3~123 C Street~PO Box 222\ 								

City, State, Zip Code Detail								(Optional)	
Location Geographic Segment								Pos. No. 0900	
Element ID	Elem Ref #	Sub-Ele Ref #	Field Status	Field Name	Field Type	Length		Field Description	
						Min	Max		
N401	19		O	City Name	AN	2	30	Name of City	
N402	156		O	State code or Province	ID	2	2	State or Province Abbreviation	
N403	116		O	Postal (Zip) Code	ID	3	11	ZIP Code, ZIP Plus 4 Code or Foreign Postal code	
N404	26		O	Country	ID	2	3	Country Abbreviation (United States = US)	

Example:  
N4~Any Town~MS~39999-2222~US\

General Contact Person								(Required)	
Administrative Communications Contact Segment								Pos. No. 1000	
Element ID	Elem Ref #	Sub-Ele Ref #	Field Status	Field Name	Field Type	Length		Field Description	
						Min	Max		
PER01	366		M	Contact Function Code	ID	2	2	"CN" = General Contact	
PER02	93		O	Name	AN	1	35	Contact Name (First and Last)	
PER03	365		X	Communications Number Qualifier	ID	2	2	"TE" = Telephone Number	
PER04	364		X	Communications Number	AN	10	14	Voice Telephone Number + EXT if applicable	
PER05	365		X	Communications Number Qualifier	ID	2	2	"FX" = FAX Number	
PER06	364		X	Communications Number	AN	10	10	FAX Telephone Number	
PER07	365		X	Communications Number Qualifier	ID	2	2	"EM" = Electronic Mail	
PER08	364		X	Communications Number	AN	1	80	E-mail Address	

Example:  
PER~CN~Allen Smith~TE~3139959988~FX~3139950329~EM~asmith@abcoil.com\

EDI Contact Person								(Required)	
Administrative Communications Contact Segment								Pos. No. 1000	
Element ID	Elem Ref #	Sub-Ele Ref #	Field Status	Field Name	Field Type	Length		Field Description	
						Min	Max		
PER01	366		M	Contact Function Code	ID	2	2	"EA" = EDI Coordinator	
PER02	93		O	Name	AN	1	35	Contact Name (First and Last)	
PER03	365		X	Communications Number Qualifier	ID	2	2	"TE" = Telephone Number	
PER04	364		X	Communications Number	AN	10	14	Voice Telephone Number + EXT if applicable	
PER05	365		X	Communications Number Qualifier	ID	2	2	"FX" = FAX Number	
PER06	364		X	Communications Number	AN	10	10	FAX Telephone Number	
PER07	365		X	Communications Number Qualifier	ID	2	2	"EM" = Electronic Mail	
PER08	364		X	Communications Number	AN	1	80	E-mail Address	

Example:  
PER~EA~Bob Smith~TE~3139958877~FX~3139950329~EM~bsmith@abcoil.com\

<b>Mailing Name Detail</b>										<b>(Optional)</b>	
<b>Name Segment</b>										<b>Pos. No. 0500</b>	
Element ID	Elem Ref #	Sub-Ele Ref #	Field Status	Field Name	Field Type	Length		Field Description			
						Min	Max				
N101	98		M	Entity Identification Code	ID	2	2	"31" = Postal Mailing			
N102	93		X	Name	AN	1	35	Mailing Name			
Example:											
N1~31~ABC Oil Corp\											

<b>Mailing Additional Name Detail</b>										<b>(Optional)</b>	
<b>Additional Name Segment</b>										<b>Pos. No. 0600</b>	
Element ID	Elem Ref #	Sub-Ele Ref #	Field Status	Field Name	Field Type	Length		Field Description			
						Min	Max				
N201	93		M	Name	AN	1	35	Mailing Name			
N202	93		O	Name	AN	1	35	Mailing Name Continued			
Example:											
N2~ABC Fuel Inc.~ABC Fuel Distributors\											

<b>Mailing Address Detail</b>										<b>(Optional)</b>	
<b>Address Information Segment</b>										<b>Pos. No. 0800</b>	
Element ID	Elem Ref #	Sub-Ele Ref #	Field Status	Field Name	Field Type	Length		Field Description			
						Min	Max				
N301	166		M	Address Information	AN	1	35	First Line Street Address			
N302	166		O	Address Information	AN	1	35	Second Line Street Address			
Example:											
N3~123 City Street\ or N3~123 City Street~PO Box 222\ 											

<b>Mailing City, State, Zip Code Detail</b>										<b>(Optional)</b>	
<b>Location Geographic Segment</b>										<b>Pos. No. 0900</b>	
Element ID	Elem Ref #	Sub-Ele Ref #	Field Status	Field Name	Field Type	Length		Field Description			
						Min	Max				
N401	19		O	City Name	AN	2	30	Name of City			
N402	156		O	State code or Province	ID	2	2	State or Province Abbreviation			
N403	116		O	Postal (Zip) Code	ID	3	11	ZIP Code, ZIP Plus 4 Code or Foreign Postal code			
N404	26		O	Country	ID	2	3	Country Abbreviation (United States = US)			
Example:											
N4~Any Town~MS~39999-2222~US\ 											

**End of Transaction Set Header**

## Transaction Set – Identifies Report Types

This TFS loop is used to provide for Distributor, Terminal and Carrier reports to the State.

New Changes Note: To meet each state’s requirements for multiple reports, the FTA has proposed the use of TFS03 and TFS04 and increased use of Report Type codes for field TFS02. The combination use of TFS02, TFS03, TFS04 and state license appointments now uniquely identify returns:

Transaction detail is reported using the Summary Information and Schedule sections of this map.

Kentucky does not request inventory on the Distributor or Carrier reports. Inventory is required on terminal reports.

Condition 1 of this segment must be used to report no activity for **all** fuel types.

Table 6 - Identify Reports Segments

Beginning of Distributors Report Detail								(Required)	
Tax Form Segment								Pos. No. 0100	
Element ID	Elem Ref. #	Sub-Element Ref. #	Field Status	Field Name	Field Type	Length		Field Description	
						Min	Max		
TFS01	128		M	Reference Identification Qualifier	ID	2	2	"T2" = Tax Form Code	
TFS02	127		M	Reference Identification	AN	1	6	Report – Code List: see Appendix C for list of codes. Example: SDR – Distributor Report Note: Consider TFS02 as the category identifier. You must use the state license type concatenated with a state license number assigned to you by the State.	
TFS03	128		M	Reference Identification Qualifier	ID	2	2	"FW" – State License Type and Number	
TFS04	127		M	Reference Identification	AN	2	25	Provide the State Tax Type and Number assigned by state. Concatenate the license type with license number: Gasoline: <b>GD</b> 000001923 Special Fuels: <b>SF</b> 000013333 Transporter: <b>TR</b> 000021234 Terminal: <b>TO</b> 000088999	
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)	
Examples: TFS~T2~SDR~FW~ <b>GD</b> 0000001923\ or TFS~T2~SDR~FW~ <b>SF</b> 0000013333\ or TFS~T2~TOR~FW~ <b>TO</b> 0000088999~TC~T99XX9999\ TFS05 and TFS06 are used for the terminal operator report only									

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

Sequence Number								
Reference Number Segment								Pos. No. 0200
Element ID	Elem Ref #	Sub-Ele Ref #	Field Status	Field Name	Field Type	Length		Field Description
						Min	Max	
REF01	128		M	Reference Identification Qualifier	ID	2	2	"55" = Sequence Number
REF02	127		X	Reference Identification	AN	1	9	Sequence Number
REF03	352		X	Description	AN	1	5	Error Response Code (See Appendix on page 999)
REF-55-0001234\								
Syntax Notes: At least one of REF02 or REF03 is required.								
FTA Note: 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.								

NO ACTIVITY reporting is required for all reports. Use the following segments to indicate no activity performed for the reporting period.

**Condition 1 --If account has no activity this segment is required. The Condition 2 TIA is not used.**

No Activity								(Required)
Reference Number Segment								Pos. No. 0200
Element ID	Elem Ref #	Sub-Ele Ref #	Field Status	Field Name	Field Type	Length		Field Description
						Min	Max	
REF01	128		M	Entity Identification Code	ID	2	2	"BE" = Business Activity
REF02	127		X	Name	AN	1	1	"1" = No Activity
Example: REF-BE-1\								



Sold/Acquired Date								(Conditional)	
Date/Time Reference Segment								Pos. No. 0300	
Element ID	Elem Ref #	Sub-Element Ref #	Field Status	Field Name	Field Type	Length		Field Description	
						Min	Max		
DTM01	374		M	Date/Time Qualifier	ID	3	3	"572" = Date Property Sold "631" = Date Property Acquired	
DTM02	373		X	Date	DT	8	8	"CCYYMMDD"	
DTM-572-20010520\									
Syntax Notes: DTM02 is required.									
FTA Note: This segment is used once when you purchase or sell a terminal.									

Condition 2 - If account has activity the TIA is required, but may be zero. The Condition 1 REF is not used. Kentucky does not require reporting of these amounts. The computed totals will be used.

Ending Inventory Date								(Conditional)	
Date/Time Reference Segment								Pos. No. 0300	
Element ID	Elem Ref #	Sub-Element Ref #	Field Status	Field Name	Field Type	Length		Field Description	
						Min	Max		
DTM01	374		M	Date/Time Qualifier	ID	3	3	"184" = Inventory Date	
DTM02	373		X	Date	DT	8	8	"CCYYMMDD"	
Example: DTM-184-20010520\									
Syntax notes: DTM02 is required.									

Total Due/Transported								(Conditional)	
Tax Information and amount Segment								Pos. No. 0920	
Element ID	Elem Ref #	Sub-Element Ref #	Field Status	Field Name	Field Type	Length		Field Description	
						Min	Max		
TIA01	C037	817	M	Tax Information ID Number	AN	4	4	"5003" = Total Due "5004" = Total Net Transported	
TIA02	782		X	Monetary Amount	R	4	15	Dollar Amount	
TIA03 is not used.									
TIA04	380		X	Quantity	R	4	15	Quantity	
TIA05	C001	355	M	Unit of Measurement Code	ID	2	2	"GA" = Gallons "LT" = Liters	
TIA-5003-25000\ or TIA-5003-25000-100000-GA\									
Syntax Notes: At least one of TIA02 or TIA04 is required. If TIA05 is present, then TIA04 is required.									
FTA Notes: Total Due/Transported is passed as a check value and represents dollars and/or quantity.									

Physical Inventory by Product Form Group Segment								(Conditional) Pos. No. 1000	
Element ID	Elem Ref. #	Sub-Ele Ref. #	Field Status	Field Name	Field Type	Length Min	Length Max	Field Description	
FGS01	350		M	Assigned Identification	AN	2	2	"BI" = Beginning Inventory (First Filing) "EI" = Ending Inventory <del>"GL" = Gains and Losses</del>	
FGS02	128		X	Reference Identification Qualifier	ID	2	2	"PG" = Product Group	
FGS03	127		X	Reference Identification	AN	3	3	Product Code See Product Codes list provided on the web site at <a href="http://revenue.ky.gov/business/motorfuels.htm">http://revenue.ky.gov/business/motorfuels.htm</a>	
Example: 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.									

Sequence Number Reference Number Segment								Pos. No. 1100	
Element ID	Elem Ref #	Sub Ele Ref #	Field Status	Field Name	Field Type	Length Min	Length Max	Field Description	
REF01	128		M	Reference Identification Qualifier	ID	2	2	<del>"55" = Sequence Number</del>	
REF02	127		X	Reference Identification	AN	4	9	Sequence Number	
REF03	352		X	Description	AN	4	5	Error Response Code (See Appendix on page 999)	
REF-55-0001234\									
Syntax Notes: This segment is used to identify information for error processing. This segment can be generated by the filer when first filing to assist in identifying information or when responding to an error reported. At least one of REF02 or REF03 is required.									
FTA Note: REF02 is always required. REF03 is used for responding to an error.									

Inventory Tax Information and Amount Segment								(Required if FGS is Used) Pos. No. 1800	
Element ID	Elem Ref. #	Sub-Ele Ref. #	Field Status	Field Name	Field Type	Length Min	Length Max	Field Description	
TIA01	C037	817	M	Tax Information ID Number	AN	4	4	"5002" = Net Physical Inventory	
TIA02 and TIA03 are not used.									
TIA04	380		X	Quantity	R	1	15	Quantity	
TIA05	C001	355	M	Unit of Measurement Code	ID	2	2	"GA" = Gallons <del>"LT" = Liters</del>	
Example: TIA~5002~~~10000~GA\									
Syntax Notes: TIA04 is required. If TIA05 is present, then TIA04 is required.									
Physical Inventory is the only value passed. All other information is derivable from schedules.									

End of FGS loop (Line item detail)

End of TFS loop (SDR detail)

## Transaction Set — Identifies Summary Information

This TFS loop begins the summary information. Summary information is used when the detail can not be derived from the schedule details. It is repeated when one of the following values change: TFS02 — Summary Code or TFS04 — Product Code. If there are no transactions to report in this filing, it is not necessary to transmit a Summary TFS loop.

Table 7 - Summary Information Segments

Beginning of Summary Information								(Required)	
Tax Form Segment								Pos. No. 0100	
Element ID	Elem Ref. #	Sub-Element Ref. #	Field Status	Field Name	Field Type	Length		Field Description	
						Min	Max		
TFS01	128		M	Reference Identification Qualifier	ID	2	2	"T3" = Tax Schedule Code	
TFS02	127		M	Reference Identification	AN	1	6	Summary Code See Summary Code list below and in Appendix C.	
TFS03	128		X	Reference Identification Qualifier	ID	2	2	"PG" = Product Group	
TFS04	127		X	Reference Identification	AN	3	3	Product Code See Product Codes list in Appendix B.	
TFS05	66		X	Identification Code Qualifier	ID	2	2	"94" = Mode	
TFS06	67		X	Identification Code	AN	2	2	"CE" = Transaction Type Mode Code	
Example:									
<del>TFS T3 S03A PG 160 94 CE</del>									
TFS02 — Summary Codes — see additional information above.									
Summary Information is used when the detail cannot be derived from the schedule details.									

Relationship to the Transaction Information									
Reference Segment								Pos. No. 0200	
Element ID	Elem Ref. #	Sub-Element Ref. #	Field Status	Field Name	Field Type	Length		Field Description	
						Min	Max		
REF01	128		M	Reference Identification Qualifier	ID	2	2	"SU" = Special Processing	
REF02	127		X	Reference Identification	AN	3	3	IRS = IRS Data N/A = If not applicable to the IRS	
REF03 Not used									
REF04 01	C040	128	M	Reference Identification Qualifier	ID	2	2	"S0" = Special Approval (S Zero)	
REF04 02	C040	127	M	Reference Identification	AN	2	2	State Abbreviation for state which data belongs to.	
REF04 03	C040	128	X	Reference Identification Qualifier	ID	2	2	"S0" = Special Approval (S Zero)	
REF04 04	C040	127	X	Reference Identification	AN	2	2	State abbreviation for state which data belongs to.	
<del>REF SU IRS S0^MT</del>									
Syntax Notes: — REF02 is required.									
FTA Note: — 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.									

Sequence Number									Reference Number Segment		Pos. No. 0200
Element ID	Elem Ref #	Sub-Element Ref #	Field Status	Field Name	Field Type	Length		Field Description			
REF01	128		M	Reference Identification Qualifier	ID	2	2	"55" = Sequence Number			
REF02	127		X	Reference Identification	AN	1	9	Sequence Number			
REF03	352		X	Description	AN	1	5	Error Response Code (See Appendix on page 999)			
REF-55-0001234\											
Syntax Notes: At least one of REF02 or REF03 is required.											
FTA Note: This segment is used to identify information for error processing. This segment can be generated by the filer when first filling to assist in identifying information or when responding to an error reported. REF02 is always required. REF03 is used for responding to an error.											

Summary Data									(Required)	
Forms Group Segment									Pos. No. 1000	
Element ID	Elem Ref #	Sub-Element Ref #	Field Status	Field Name	Field Type	Length		Field Description		
FGS01	350		M	Assigned Identification	AN	1	1	"S" = Schedule Summary		
Example: FGS-S\										

Sequence Number									Reference Number Segment		Pos. No. 1100
Element ID	Elem Ref #	Sub-Element Ref #	Field Status	Field Name	Field Type	Length		Field Description			
REF01	128		M	Reference Identification Qualifier	ID	2	2	"55" = Sequence Number			
REF02	127		X	Reference Identification	AN	1	7	Sequence Number			
REF03	352		X	Description	AN	1	5	Error Response Code (See Appendix on page 999)			
REF-55-0001234\											
Syntax Notes: At least one of REF02 or REF03 is required.											
FTA Note: This segment is used to identify information for error processing. This segment can be generated by the filer when first filling to assist in identifying information or when responding to an error reported. REF02 is always required. REF03 is used for responding to an error.											

Use one of the two segments to properly report a Dollar Amount, Gallon Amount, or Penalty Amount

Dollar Amount Information									(Required)	
Tax Information and Amount Segment									Pos. No. 1800	

Element ID	Elem Ref. #	Sub-Element Ref. #	Field Status	Field Name	Field Type	Length		Field Description
						Min	Max	
TIA01	817		M	Tax Information ID Number	AN	4	4	TIA Code "5003" – Dollar Amount See Summary Code List in Appendix C.
TIA02	782		X	Monetary Amount	R	+	15	Dollar Amount
TIA03 are not used.								
TIA04 and TIA05 are not used.								
Example: TIA-5003-1005.67\								
TIA03, TIA04 and TIA05 are not used.								
TIA01 – TIA Summary Codes (see additional information at beginning of Summary Information section).								

Interest Amount Information								(Required)	
Tax Information and Amount Segment								Pos. No. 1800	
Element ID	Elem Ref. #	Sub-Element Ref. #	Field Status	Field Name	Field Type	Length		Field Description	
						Min	Max		
TIA01	817		M	Tax Information ID Number	AN	4	4	TIA Code "5008" – Interest Amount See Summary Code List in Appendix D.	
TIA02	782		X	Monetary Amount	R	+	15	Dollar Amount	
Example: TIA-5009-976.58\									
TIA01 – TIA Summary Codes (see additional information at beginning of Summary Information section).									

Penalty Amount Information								(Required)	
Tax Information and Amount Segment								Pos. No. 1800	
Element ID	Elem Ref. #	Sub-Element Ref. #	Field Status	Field Name	Field Type	Length		Field Description	
						Min	Max		
TIA01	817		M	Tax Information ID Number	AN	4	4	TIA Code "5009" – Penalty Amount See Summary Code List in Appendix D.	
TIA02	782		X	Monetary Amount	R	+	15	Dollar Amount	
Example: TIA-5009-976.58\									
TIA01 – TIA Summary Codes (see additional information at beginning of Summary Information section).									

## Schedules

This TFS begins the loop for all schedule details. It is repeated when one of the following values change: Tax Form Code, Schedule Code, Product Code, Mode 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. It is implied that there is no activity in this filing.

Table 8 - Schedule Segments

Beginning of Schedules								(Required)
Tax Form Segment								Pos. No. 0100
Element ID	Elem Ref. #	Sub-Ele Ref. #	Field Status	Field Name	Field Type	Length		Field Description
						Min	Max	
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 Schedule Code List provided on the web site at <a href="http://revenue.ky.gov/business/motorfuels.htm">http://revenue.ky.gov/business/motorfuels.htm</a> .
TFS03	128		X	Reference Identification Qualifier	ID	2	2	"PG" = Product Group
TFS04	127		X	Reference Identification	AN	3	3	Product Code See Product Codes list provided on the web site at <a href="http://revenue.ky.gov/business/motorfuels.htm">http://revenue.ky.gov/business/motorfuels.htm</a> .
TFS05	66		X	Identification Code Qualifier	ID	2	2	"94" = Mode
TFS06	67		X	Identification Code	AN	2	2	Transportation Mode Code See Type Mode Code List in Appendix D.
Example: TFS~T3~2~PG~065~94~J_\								
If either TFS03 or TFS04 is present, then the other is required.								
If either TFS05 or TFS06 is present, then the other is required.								
Notes: TFS02 – Use 15A for Terminal Schedule of Receipts.								

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

Sequence Number									Reference Number Segment		Pos. No. 0200
Element ID	Elem Ref. #	Sub-Element Ref. #	Field Status	Field Name	Field Type	Length		Field Description			
						Min	Max				
REF01	128		M	Reference Identification Qualifier	ID	2	2	"55" = Sequence Number			
REF02	127		X	Reference Identification	AN	1	7	Sequence Number			
REF03	352		X	Description	AN	1	5	Error Response Code Code (See Appendix on page 999)			
REF-55-0001234\											
Syntax Notes:									At least one of REF02 or REF03 is required.		
FTA Note:									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.		

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

Use Option 1 when the origin is a Terminal.

Use Option 2 when the origin is located inside or outside of Kentucky and is NOT a Terminal.

**Option 1 – Origin is a terminal**

Point of Origin									(One of the two options is used, Required with Option 1)	
Name Segment 1									Pos. No. 0500	
Element ID	Elem Ref. #	Sub-Element Ref. #	Field Status	Field Name	Field Type	Length		Field Description		
						Min	Max			
N101	98		M	Entity Identification Code	ID	2	2	"OT" = Origin Terminal		
N102 is not used.										
N103	66		X	Identification Code Qualifier	ID	2	2	"TC" = IRS Terminal Code		
N104	67		X	Identification Code	AN	9	9	IRS Terminal Code (Code list is located on the IRS web site <a href="http://www.irs.gov/excise">www.irs.gov/excise</a> )		
Example: N1~OT~~TC~T99TN0000\										
N103 and N104 are required.										
This segment is required if the origin is an IRS approved terminal. IRS Terminal Code List is located on the IRS Web site <a href="http://www.irs.gov/excise">www.irs.gov/excise</a>										

**Option 2 – Origin is not a terminal**

Point of Origin									(One of the two options is used, Required with Option 2)	
Name Segment 1									Pos. No. 050	
Element ID	Elem Ref. #	Sub-Element Ref. #	Field Status	Field Name	Field Type	Length		Field Description		
						Min	Max			
N401	98		M	Entity Identification Code	ID	2	2	"SF" = Ship From		
N402	93		X	Name	AN	2	2	Origin State Abbreviation		
Example: N1~SF~IN\										
N102 is required.										
This segment is required if the origin is NOT an IRS approved terminal.										

Point of Origin							(Required with Option 2)		
Name Segment 1							Pos. No. 0500		
Element ID	Elem Ref. #	Sub-Ele Ref. #	Field Status	Field Name	Field Type	Length		Field Description	
						Min	Max		
N401	19		O	City Name	AN	2	30	Name of City	
N402	156		O	State or Province Code	ID	2	2	State or Providence Abbreviation	
N403	116		O	Postal Code	ID	3	11	ZIP or ZIP plus 4 Code	
N404	26		X	Country Code	ID	2	3	Country (USA, CAN, MEX)	
N405	309		X	Location Qualifier	ID	1	2	"CY" = County	
N406	310		O	Location Identifier	AN	1	5	County	

Example:  
N4~Mobile~IN~36601\

This segment is required if the origin is NOT an IRS approved terminal.

### Option 3

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

~~N1~WO~FA~123456\~~

Syntax Notes: ~~N103 and N104 are required.~~

FFA Notes: ~~None~~

Seller Information							(Required)		
Name Segment 2							Pos. No. 0500		
Element ID	Elem Ref. #	Sub-Ele Ref. #	Field Status	Field Name	Field Type	Length		Field Description	
						Min	Max		
N101	98		M	Entity Identification Code	ID	2	2	"SE" = Selling Party	
N102	93		X	Name	AN	1	35	Seller's Name	
N103	66		X	Identification Code Qualifier	ID	2	2	"24" = FEIN "34" = SSN "49" = State (assigned) Identification Number (driver's license or state 9 digit license number) <del>"SB" = Canadian Social Insurance Number</del>	
N104	67		X	Identification Code	AN	9	18	Seller's FEIN or SSN or driver's license or state 9 digit number <del>or Canadian Social Assurance number.</del>	

Example:  
N1~SE~Fuel Inc~24~381234567\

This segment is used for reporting seller information on various receipt schedules of Distributor Returns and delivery schedules of the Carrier/Transporter (pipeline, vessel, truck and rail) reports.



**Position Holder Information or Delivering Exchange Party Information** **(Optional)**  
**Pos. No. 0500**  
**Name Segment 3**

Element ID	Elem Ref. #	Sub-Ele Ref. #	Field Status	Field Name	Field Type	Length		Field Description
						Min	Max	
N101	98		M	Entity Identification Code	ID	2	2	"ON" = Position Holder
N102	93		X	Name	AN	1	35	Position Holder's Name or Control Name (First 4 position of tax payer business name)
N103	66		X	Identification Code Qualifier	ID	2	2	"24" = FEIN "34" = SSN "FI" = Federal Taxpayer 637 ID Number "SB" = Canadian Social Insurance Number
N104	67		X	Identification Code	AN	9	9	Position Holder's FEIN or SSN or IRS 637 Number or Canadian Social Insurance Number

N105 is not used

N106	98		Q	Entity Identification Code	ID	2	2	"AQ" = Account of Destination Party
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Example:  
N1~ON~DEF Fuel~24~516999999\

Syntax Notes: At least one of N102 or N103 is required.  
If either N103 or N104 is present, then the other is required.

FTA Note: If reporting 2-party exchange information this segment is required.

**Receiving Exchange Party Information** **Pos. No. 0500**  
**Name Segment 4**

Element ID	Elem Ref. #	Sub-Ele Ref. #	Field Status	Field Name	Field Type	Length		Field Description
						Min	Max	
N101	98		M	Entity Identification Code	ID	2	2	"EC" = Exchanger
N102	93		X	Name	AN	1	35	Exchange Party Name or Control Name (First 4 position of tax payer business 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	Exchange Party FEIN or SSN or BN or IRS 637 Number

~~N1~ON~ABC Fuel~24~516888888\~~

Syntax Notes: ~~At least one of N102 or N103 is required.~~  
~~If either N103 or N104 is present, then the other is required.~~

FTA Notes: ~~If reporting 2-party exchange information this segment is required otherwise do not use this segment.~~  
~~N102, N103 and N104 are required.~~

Person Hiring Carrier (Consignor)								(Required)	
Name Segment 5								Pos. No. 0500	
Element ID	Elem Ref. #	Sub-Ele Ref. #	Field Status	Field Name	Field Type	Length		Field Description	
						Min	Max		
N101	98		M	Entity Identification Code	ID	2	2	"CI" = Consignor (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 "49" = State (assigned) Identification Number (driver's license or state 9 digit license number) "SB" = Canadian Social Insurance Number	
N104	67		X	Identification Code	AN	9	9	Consignor's FEIN or SSN or driver's license or state 9 digit license number or Canadian Social Assurance number.	
Example: N1~CI~ABC Distributing~24~381234567\									
This segment is used for reporting position holder information on delivery schedules of the Transporters Report.									

Carrier Information								(Required)	
Name Segment 6								Pos. No. 0500	
Element ID	Elem Ref. #	Sub-Ele Ref. #	Field Status	Field Name	Field Type	Length		Field Description	
						Min	Max		
N101	98		M	Entity Identification Code	ID	2	2	"CA" = Carrier Name	
N102	93		X	Name	AN	1	35	Carrier Name	
N103	66		X	Identification Code Qualifier	ID	2	2	"24" = FEIN "34" = SSN "49" = State (assigned) Identification Number (driver's license or state 9 digit license number) "SB" = Canadian Social Insurance Number	
N104	67		X	Identification Code	AN	9	18	Carrier's FEIN or SSN or driver's license or state 9 digit number or Canadian Social Assurance number.	
Example: N1~CA~ABC Trucking~24~389876543\									
This segment is used on all reports and returns.									

Buyer/Consignee Information								(Required)	
Name Segment 7								Pos. No. 0500	
Element ID	Elem Ref. #	Sub-Ele Ref. #	Field Status	Field Name	Field Type	Length		Field Description	
						Min	Max		
N101	98		M	Entity Identification Code	ID	2	2	"BY" = Buying Party (Purchaser/Consignee)	
N102	93		X	Name	AN	1	35	Buyer name	
N103	66		X	Identification Code Qualifier	ID	2	2	"24" = FEIN "34" = SSN "49" = State (assigned) Identification Number (driver's license or state 9 digit license number) <del>"SB" = Canadian Social Insurance Number</del>	
N104	67		X	Identification Code	AN	9	18	Buyer's/Consignee's FEIN or SSN or driver's license or state 9 digit number <del>or Canadian Social Assurance number.</del>	
Example: N1~Joe Gas Station~24~51722222\									
This segment is used for reporting buyer information of various disbursement schedules of the Distributor Returns.									

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

Use Option 1 when the Destination is a Terminal.

Use Option 2 when the Destination is located inside or outside of the State and is not a Terminal.

**Option 1 - Destination is a Terminal.**

Point of Destination								(One of the two options is Required, Required with Option 1)	
Name Segment 8								Pos. No. 0500	
Element ID	Elem Ref. #	Sub-Ele Ref. #	Field Status	Field Name	Field Type	Length		Field Description	
						Min	Max		
N101	98		M	Entity Identification Code	ID	2	2	"DT" = Destination Terminal	
N102 is not used.									
N103	66		X	Identification Code Qualifier	ID	2	2	"TC" = IRS Terminal Code	
N104	67		X	Identification Code	AN	9	9	IRS Terminal Code (Code list is located on the IRS Web site <a href="http://www.irs.gov/excise">www.irs.gov/excise</a> )	
Example: N1~DT~~TC~T99KY0000\									
N103 and N104 are required if the destination is an IRS approved terminal.									

**Option 2 - Destination is located inside or outside of the State and is not a Terminal.**

Point of Destination								(One of the two options is Required, Required with Option 2)	
Name Segment 8								Pos. No. 0500	
Element ID	Elem Ref. #	Sub-Ele Ref. #	Field Status	Field Name	Field Type	Length		Field Description	
						Min	Max		
N101	98		M	Entity Identification Code	ID	2	2	"ST" = Ship To	
N102	93		X	Name	AN	2	2	Destination State Abbreviation	
Example: N1~ST~IN\									
N102 is required if the point of destination is NOT an IRS approved terminal.									

Point of Destination								Pos. No. 0500	
Name Segment 8									

Element ID	Elem Ref. #	Sub-Ele Ref. #	Field Status	Field Name	Field Type	Length		Field Description
						Min	Max	
N401	19	19	O	City Name	AN	2	30	Name of City
N402	156	156	O	State or Province Code	ID	2	2	State or Province Abbreviation
N403	116	116	O	Postal Code	ID	3	11	ZIP or ZIP plus 4 Code
N404	26		X	Country Code	ID	2	3	Country (USA, CAN, MEX)
N405	309		X	Location Qualifier	ID	4	2	"CY" = County
N406	310		O	Location Identifier	AN	4	5	County

Example:  
N4~Mobile~IN~36601\

N401 is required if the point of destination is NOT an IRS approved terminal.

### Option 3

Point of Destination (One of the three options is used)								
Name Segment 8 Pos. No. 0500								
Element ID	Elem Ref. #	Sub-Ele Ref. #	Field Status	Field Name	Field Type	Length		Field Description
						Min	Max	
N101	98		M	Entity Identification Code	ID	2	2	"WD" = Destination Facility
N102 is not used.								
N103	66		X	Identification Code Qualifier	ID	2	2	"FA" = Facility Identification
N104	67		X	Identification Code	AN	2	20	Facility/License Number
N1~WD~FA~123456\								
Syntax Notes: N103 and N104 are required.								
FTA Notes: None								

This FGS loop begins the transaction information for 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) or Gallons.

Bill of Lading (Required)								
Forms Group Segment Pos. No. 1000								
Element ID	Elem Ref. #	Sub-Ele Ref. #	Field Status	Field Name	Field Type	Length		Field Description
						Min	Max	
FGS01	350		M	Assigned Identification	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~BM~00123456\

FGS02 and FGS03 are required unless the Mode Code in TFS06 is GS (Gas Station), then FGS02 and FGS03 are not used.

Sequence Number								
Reference Number Segment Pos. No. 1100								
Element ID	Elem Ref. #	Sub-Ele Ref. #	Field Status	Field Name	Field Type	Length		Field Description
						Min	Max	
REF01	128		M	Reference Identification Qualifier	ID	2	2	"55" = Sequence Number

REF02	127		X	Reference Identification	AN	1	7	Sequence Number
REF03	352		X	Description	AN	1	5	Error Response Code Code (See Appendix on page 999)
REF 55-0004567\								
Syntax Notes: At least one of REF02 or REF03 is required.								
FTA Note: 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.								

<b>Bill of Lading Date</b>								<b>(Required)</b>	
<b>Date/Time Reference Segment</b>								<b>Pos. No. 1200</b>	
Element ID	Elem Ref. #	Sub-Ele Ref. #	Field Status	Field Name	Field Type	Length		Field Description	
						Min	Max		
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~095~20020905\									
DTM02 is required.									

<b>Bill of Lading Net Gallons</b>								<b>(Required)</b>	
<b>Tax Information and Amount Segment</b>								<b>Pos. No. 1800</b>	
Element ID	Elem Ref. #	Sub-Ele Ref. #	Field Status	Field Name	Field Type	Length		Field Description	
						Min	Max		
TIA01	817		M	Tax Information ID Number	AN	4	4	"5005" = Net	
TIA02 and TIA03 are not used.									
TIA04	380		X	Quantity	R	1	15	Quantity	
TIA05	355		M	Unit of Measurement Code	ID	2	2	"GA" = Gallons "LT" = Liters	
Example: TIA~5005~~~8000~GA\									
Enter the net gallons rounded to the nearest whole gallon.									

<b>Bill of Lading Gross</b>								<b>(Optional)</b>	
<b>Tax Information and Amount Segment</b>								<b>Pos. No. 1800</b>	
Element ID	Elem Ref. #	Sub-Ele Ref. #	Field Status	Field Name	Field Type	Length		Field Description	
						Min	Max		
TIA01	C037	817	M	Tax Information ID Number	AN	4	4	"5006" = Gross	
TIA02 and TIA03 are not used.									
TIA04	380		X	Quantity	R	1	15	Quantity	

TIA05	C001	355	M	Unit of Measurement Code	ID	2	2	"GA" = Gallons "LT" = Liters
Example:								
TIA~5006~~~8000~GA\								
TIA04 and TIA05 are required.								
Enter the gross gallons rounded to the nearest whole gallon.								

<b>Bill of Lading Billed</b>								<b>(Optional)</b>	
<b>Tax Information and Amount Segment</b>								<b>Pos. No. 1800</b>	
Element ID	Elem Ref. #	Sub-Ele Ref. #	Field Status	Field Name	Field Type	Length		Field Description	
						Min	Max		
TIA01	C037	817	M	Tax Information ID Number	AN	4	4	"5007" = Billed	
TIA02 and TIA03 are not used.									
TIA04	380		X	Quantity	R	1	15	Quantity	
TIA05	C001	355	M	Unit of Measurement Code	ID	2	2	"GA" = Gallons "LT" = Liters	
Example:									
TIA~5007~~~8000~GA\									
TIA04 and TIA05 are required.									
Enter the billed gallons rounded to the nearest whole gallon.									

End of FGS loop for Individual shipments.

End of TFS loop for Schedule.

### Transaction Set Trailer Description

Table 9 - Transaction Set Trailer Description Segments

<b>End of Transaction Set Trailer Segment</b>								<b>(Required)</b>	
								<b>Pos. No. 0100</b>	
Element ID	Elem Ref #	Sub-Ele Ref #	Field Status	Field Name	Field Type	Length		Field Description	
						Min	Max		
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~156~10001\									

### Functional Group Trailer Description

Table 10 - Functional Group Trailer Description Segment

<b>Functional Group Segment</b>								<b>(Required)</b>	
Element ID	Elem Ref #	Sub-Ele Ref #	Field Status	Field Name	Field Type	Length		Field Description	
						Min	Max		
GE01	97		M	Number Of Transaction Sets Included	N0	1	6	Count of transaction sets within this GS/GE.	
GE02	28		M/Z	Group Control Number	N0	1	9	The Functional Group control number. Must be identical to the same data element in the associated functional header (GS06).	
Example:									

**Interchange Control Trailer Description**

Table 11 - Interchange Control Trailer Description Segment

Interchange Segment								(Required)
Element ID	Elem Ref #	Sub-Ele Ref #	Field Status	Field Name	Field Type	Length		Field Description
						Min.	Max.	
IEA01	I16		M	Number Of Included Functional Groups	N0	1	5	Count of Function Groups Within This ISA/IEA.
IEA02	I12		M	Interchange Control Number	N0	9	9	The interchange number. Must be identical to the same data element in the associated interchange header (ISA13).
Example: IEA~10~00000001\								

**End of Transaction Set.**

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# Appendix

### ***Appendix A – Kentucky Schedule Code List***

For up to date Schedule Code list reference the State website at  
<https://revenue.ky.gov/Documents/KentuckyScheduleandTransportationCodes.pdf>

### ***Appendix B – Product Codes***

For up to date Product Codes please reference the State website at  
<https://revenue.ky.gov/Documents/KentuckyProductCodes021016.pdf>

### ***Appendix C – IRS Terminal Control Numbers (TCN)***

For up to date TCN please reference the IRS website at  
[https://www.irs.gov/pub/irs-utl/tcn\\_db.pdf](https://www.irs.gov/pub/irs-utl/tcn_db.pdf)

**Appendix D – Summary Codes / TIA Codes**

**FTA Uniformity TIA Codes**

TIA Code	Description	Where Code is Used in Map
5000	<del>Version of taxing authority's implementation guide</del>	<del>Header</del>
5001	<del>Total Net Reported</del>	<del>Header</del>
5002	Net Physical Inventory	TOR, SDR
5003	<del>Total Due</del>	<del>SDR</del>
5004	<del>Total Net Transported</del>	<del>CCR</del>
5005	Net	SCH, SUM
5006	Gross	SCH, SUM
5007	Billed	SCH, SUM
5008	Interest	SUM
5009	Penalty	SUM
5010	Confidential Information	Header, 826
<del>5011-5199</del>	<del>Not used</del>	
Note: The data represented by these TIA codes is not derivable from schedules or represents a check value.		

**Appendix E – Transaction Type Mode Codes**

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

The “\_” in the code table represents a space. The X12 standard requires 2 characters in the field using this code.

**Appendix F – USA States, Canadian Provinces/Territories and Mexican State Abbreviations**

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