Kansas Department of Revenue

Motor Fuel Distributors' EDI Program Guide

Kansas Department of Revenue
915 SW Harrison Street
Topeka, KS 66612-1588

TABLE OF CONTENTS

1. Program Overview 3
1.1 Contact Number 3
2. Introduction to Electronic Data Interchange (EDI) 4
2.1 Flow of the Data 5
2.2 Registration 5
2.3 Timely Filing 5
2.4 Weekends and Holidays 6
2.5 Acknowledgments (Transaction Set 997) 6
3. Testing Procedures 6
4. Filing Requirements 6
4.1 Other Important Tips 8
5. Motor Fuel Distributor System 8
5.1 Distributors Tax Return, Schedules and Manifest Information 8
5.2 Distributors Tax Return 8
5.3 Motor Fuel Tax Schedule 11
6. Electronic Funds Transfer (EFT) 13
7. Transaction Set 813 Mapping Requirements 13
7.1 Separator Requirements 13
7.2 Transaction Set 813 Segment Structure 14
7.3 Attribute Conventions 15
7.4 Envelope Header Segments 16
7.5 Transaction Detail for Schedule of Receipts 21
7.6 Transaction Detail for Schedule of Disbursements 24
7.7 Envelope Trailer Segments 27
8. Kansas Motor Fuel Example Mapping 28
9. Functional Acknowledgment Overview 32
10. Glossary 32
11. FTA Product Codes 33
12. FTP Instructions 35
13. Trading Partner Agreement 36
14. EDI Trading Partner Profile 39

1. Program Overview

The Kansas Department of Revenue 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 (MF 52 Distributors Tax Return, MF 52a Motor Fuel Tax Multiple Schedule of Receipts, MF 52b Motor Fuel Tax Multiple Schedule of Disbursements), and MF 52c (Alternative Fuel Tax Credit/Deduction).

K.S.A. 79-3464C Requires Distributors receiving 50,000 gallons or more of motor fuel per month shall electronically file their motor fuel tax returns and schedules in a standard format prescribed by the director.

Advantages of participating in the Department's EDI & EFT Program include:

- Elimination of the 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 to you.
- Comprehensive audit trail for both the return and the payment.
- Elimination of postal delays and possible late filing/payment fees.
- A single point of contact for electronic filing
- You will receive an acknowledgment that the Department received your tax return.
- Allows the Kansas Department of Revenue to implement a fuel tracking system. This enables the Department to track fuel and reduce motor fuel tax fraud which keeps fuel tax evaders from undercutting honest fuel marketers.

The purpose of this guide is to present the information that must be addressed by fuel tax filers, and discusses the technical aspect of EDI.

The following pages will assist you with implementing EDI for motor fuel taxes.

1.1 Contact Number

EDI COORDINATOR

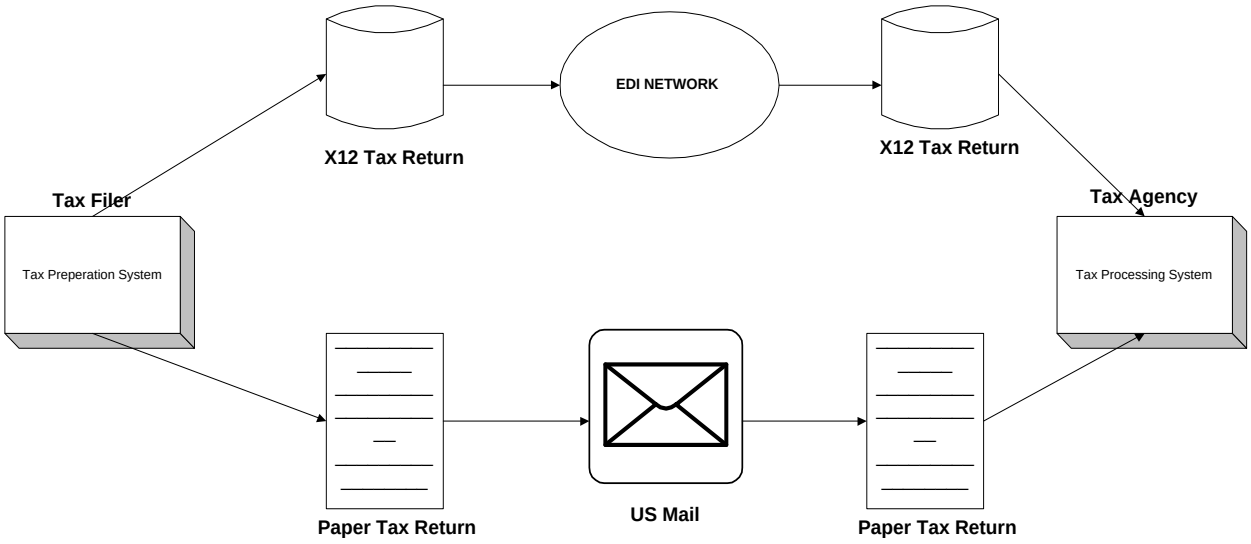
Carole Rutschmann **(785) 291-3660**
Fax: **(785) 296-0153**
E-mail: carole_rutschmann@kdor.state.ks.us

Mailing Address:
Electronic Services Bureau
Kansas Department of Revenue
2nd Floor
Docking State Office Building
Topeka, KS 66625

2. Introduction to Electronic Data Interchange (EDI)

Electronic Data Interchange (EDI) is the electronic exchange of business documents from one company's computer to another company's computer in machine-processable, national standard data formats. The direct, computer-to-computer exchange of business information alleviates the expense associated with processing paper (opening envelopes, logging in of documents, etc.) as well as the costs, errors, and time delays associated with data entry. In EDI, the data is transmitted in a precisely structured format so that it is immediately machine-processable with little or no human intervention. Companies in industries of all kinds have found that EDI makes tremendous economic sense. It is only natural that the huge paper-intensive tax component of government also begins to realize the advantages of EDI.

Innovative companies realized there are time and money savings in reducing the amount of paper used in business transactions and replacing it with electronic communication. As a result, they developed electronic transactions to replace paper business documents. As more customers became interested in sending and receiving electronic documents, the companies' efforts to maintain the multitude of individualized document formats became less of a time and money savings and more of a complicated support problem. The adoption of national standards for EDI resolves this situation by enabling all 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).**



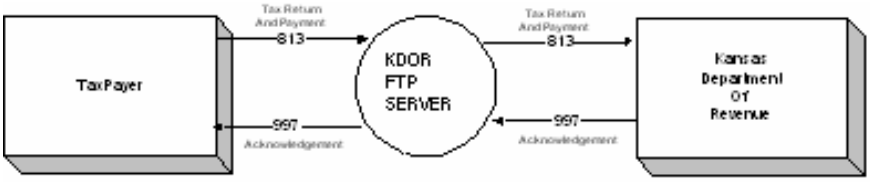
An EDI transmission is made up of one or more transaction sets, which is the term used to describe the electronic equivalent of a paper document (tax return, tax bill, etc). The data included in a transaction set conveys the same information as the conventional printed document. Entities, trading EDI documents such as between a taxpayer and a state, are called **trading partners.**

The Department will use the ANSI ASC X12 Version Release 003050 EDI Standards for the Motor Fuels 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 transaction set 813. The "**Functional Acknowledgment**", called the **997** transaction

set, will be used to acknowledge the receipt and validation of the 813 for ANSI X12 **syntactic** correctness.

2.1 Flow of the Data

The taxpayer enters Motor Fuel Tax Return. The information is then transmitted in the 813 format from the taxpayer's computer to the directory assigned to the taxpayer on a server at KDOR (optionally passing through the taxpayer's VAN/service provider). Upon receipt and translation of the 813, Kansas Department of Revenue transmits the 997 to the taxpayer's directory for pickup acknowledging the receipt and syntactical correctness or error of the 813.



2.2 Registration

Included with this guide is a Trading Partner Agreement, a Trading Partner Profile form and instructions for filing via the Internet using FTP (File Transfer Protocol).

The Trading Partner Agreement is to be completed, signed and returned to the Kansas Department of Revenue. These agreements are key documents setting forth the rights and obligations of the parties.

Please mail or fax the Trading Partner Agreement and the Trading Partner Profile form to the contact listed on page 3.

Receipt of the completed Trading Partner Agreement and Trading Partner Profile form will establish the registration of a taxpayer for filing through the EDI Program.

All businesses participating in the EDI Program should obtain a DUNS number from Dun & Bradstreet. The DUNS number is the most widely used "address" code in the world of EDI and will be used to identify your business. You can obtain a DUNS number, free of charge, by calling 1-800-234-DUNS.

2.3 Timely Filing

Moving from a paper filing to an electronic filing environment means that certain traditional methods of determining what constitutes the timely filing of a return and what will constitute proof of filing may be lost.

In order to ensure the timely filing of your return, the data must be transmitted and received by the Kansas Department of Revenue on or before the 25th of the following month. The check must be postmarked on or before the due date. In order to timely settle on the due date, EFT transactions must initiated one business day prior to the due date.

<u>Failure to make timely payments will subject you to penalty and interest as prescribed by law.</u>

2.4 Weekends and Holidays

If a tax return/payment due date falls on a holiday or weekend, the return/payment must be made so that the return and payment are immediately available on the first business day after the holiday or weekend.

Timely returns are based on the date of acceptance of the electronic tax return by the Kansas Department of Revenue.

If the holiday falls on Saturday, the Friday before is the observed state and federal holiday. If the holiday falls on Sunday, the Monday following is the observed state and federal holiday.

2.5 Acknowledgments (Transaction Set 997)

EDI requires the use of the **Functional Acknowledgment** Transaction Set (997). This acknowledgment is issued by the receiver's EDI "translation" software and acknowledges that the functional groups within the transmission were **syntactically** correct and moved to detail processing; or, there were **syntactical** errors and were rejected. It should be recognized that a functional acknowledgment does not indicate that the actual return is processable, just that it passed the requirements for a valid 813 transaction set. Receipt of a 997 acknowledgment is your proof that the Department received your tax return transmission.

3. Testing Procedures

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

1. Contact EDI Coordinator to initiate testing phase and to set up a schedule.

2. Send test transaction number 1. This may be previous tax period data.

3. Send test transaction number 2. This may be previous tax period data.

4. Once step four is completed you will be approved to go to Parallel test mode. Parallel test mode is a phase where a filer will fax the cover sheet of the distributors' tax return to the EDI Coordinator and send in the same tax return using EDI. The EDI data will be placed in KDOR's files but will be compared with the hardcopy to see that they are identical. This phase will continue until two successive returns have been approved by KDOR. During this phase, do not mail your tax return.

5. Once step five is completed you will be approved to go to full production EDI and will no longer be required to fax hardcopy returns. Do not mail your tax return. A date will be set to switch over.

6. Full production EDI.

4. Filing Requirements

This section is provided to assist you in filing a complete and correct return that can be processed through EDI and the Department's processing system correctly. Since EDI standards require that calculated fields not be transmitted, it is imperative that the correct and necessary

schedules be submitted electronically. For example, to compute line 1 of the Distributors Tax Return:

ADD:

- All loads of fuel reported on schedule of receipts #2, Gallons received from licensed motor fuel distributors tax unpaid; and

- All loads of fuel reported on schedule of receipts #3, Gallons imported from another state direct to customer.

SUBTRACT:

- All loads of fuel reported on schedule of disbursements #6, Gallons delivered to licensed motor fuel distributors tax not collected.

WHEN PREPARING DATA FOR ELECTRONIC TRANSMISSION IT IS IMPERATIVE THAT THE PROPER SCHEDULE TYPE (NUMBER) AND PRODUCT CODES BE USED. FAILURE TO USE THE APPROPRIATE CODES WILL RESULT IN POSSIBLE REJECTION OF YOUR TAX RETURN AND MAY RESULT IN PENALTIES AND INTEREST.

Schedule of Receipts, #1, #2 and #3 must include all loads of fuel purchased in Kansas or imported from another state into Kansas by your company during the reporting period.

Receipt Schedule #1, Gallons received tax-paid, is the only receipt schedule that is not used in any calculation. Disbursement Schedule #5, Gallons delivered tax collected, is the only disbursement schedule that is not used in any calculation. However, they provide valuable fuel tracking information.

Disbursement Schedule #6, Gallons delivered to licensed motor fuel distributors tax not collected, must be completed for tax free sales to other licensed distributors. This information is important for calculating line 1 receipts on the tax return. **Note:** Kansas statutes do not allow the sale or transfer of tax free product to another licensed distributor without tax other than the first sale or import. The first distributor purchasing fuel in Kansas or importing fuel is the responsible party for paying the state motor fuel tax.

Disbursement Schedule #7, Gallons exported to the state of _____, must be submitted for any fuel exported. This information is used for calculating line 2a, exports, on the tax return and in calculation of ultimate tax liability.

Disbursement Schedule #8, Gallons delivered to US government tax exempt, must be submitted for any fuel sold to the United States government. This information is used for calculating line 2b, US Government Sales, on the tax return and in calculation of ultimate tax liability.

Disbursement Schedule #9, Gallons delivered to other tax exempt entities, must be submitted for any aviation or jet fuel sold to qualified purchasers. This information is used for calculating line 2c, Aviation Sales, on the tax return and in calculation of ultimate tax liability.

Disbursement Schedule #10, Taxable sales directly to consumers in tank car, transport or pipeline lots, must be submitted to calculate line 4 and line 8 of the tax return. These gallons are subject to fuel tax but can not be used when computing the handling allowance.

Disbursement Schedule #13, Alternative Fuel Tax Credit/Deduction, must be submitted to calculate the Alternative Fuel Deduction, line 7, Gasohol. Each load of E85 will have a

designation of C (sales directly to consumers in tank car, transport or pipeline lots), I (licensed Importer) or O (other). Loads of E85 with a designation of "C" must be reported on both schedule 10 and schedule 13. Loads of E85 with a designation of "C" or "I" will not have the handling allowance deducted from the credit since they do not receive the handling allowance on those gallons.

4.1 Other Important Tips

- Licensed importers can not claim a handling allowance.
- If a load of fuel is diverted from its original destination, the address information segment for that load of fuel is **required**.
- For a return to be timely filed under Chapter 79 of the Kansas Statues it must be received by Kansas Department of Revenue, in the stipulated format on or before, the filing due date. **See Timely Filing Section and Trading Partner Agreement for timely filing requirements.**
- Failure to file as specified will result in penalty and interest assessed as provided by law.

5. Motor Fuel Distributor System

5.1 Distributors Tax Return, Schedules and Manifest Information

The following will assist you in providing complete and correct data on your return.

- Enter all data using uppercase letters.
- Please provide complete information. Do not shorten names or cities unless an abbreviation is required.
- If you are registered to report gross gallons, then the amounts on your return must be supported by gross gallon amounts on your schedules.

5.2 Distributors Tax Return

Field:	**Distributors License Number**
Requirement:	All distributors license numbers must start with the number one (1) in the leftmost position. All 5 characters of the distributors license number are required on your return.
Field:	**Tax Period End-Date**
Requirement	The date must be entered as yymmdd. The century 20 must be entered for EDI transmission. 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 of the month. The day provided should be the actual last day of the tax month for which the return is filed.
Field:	**EIN**
Requirement:	The complete nine digit EIN should appear on the return.

Field: **Taxpayer Name**
First Line of Street Address
Second Line of Street Address
Postal Mailing City
Postal Mailing State
Postal Mailing Zip code

Requirements: The taxpayer name must appear on the return. Please send complete name. The first line of street address is mandatory for EDI.

Field: **Return Type**

Requirements: This field must contain “A” (Amended), “O“ (Original) or “S“ (Supplemental). The letter chosen is followed by a space, resulting in a field length of 2.

Field: **Contact Name**

Requirements: Contact name should contain the name of an individual to be contacted when questions arise concerning a tax return.

Field: **Contact Telephone Number**
Contact FAX Number

Requirements: This will be the Telephone and FAX number of the Contact described above. Do not put any separators in the number. These numbers are very useful in case there are questions concerning your return. Please make sure the numbers are correct and update when appropriate.

Round all gallons to the nearest whole gallon. Do not report fractions of gallons.

Field: **Total Net Gallons of Gasoline/Gasohol/Special Fuel Received or Imported (line 1 of paper Distributors tax return)**

Requirements: This field contains the total net gallons of gasoline/gasohol/special fuel received or imported as reported on schedule types “2 “ and “3” minus the net gasoline/gasohol/special gallons found on schedule type “ 6”. This includes **dyed diesel**.

Field: **Total Export Gallons of Gasoline/Gasohol/Special Fuel (line 2a of Distributors tax return)**

Requirements: This field contains the total net gallons of gasoline/gasohol/special fuel exported from Kansas as reported on schedule type “7”.

Field: **Total US Govt Gallons of Gasoline/Gasohol/Special Fuel (line 2b of Distributors tax return)**

Requirements: This field contains the total net gallons of gasoline/gasohol/special fuel sold to the U.S. Government as reported on schedule type “8”. **Do not include dyed diesel.**

Field: **Total Aviation Gallons of Gasoline/Gasohol/Special Fuel (line 2c of Distributors tax return)**

Requirements: This field contains the total net gallons of gasoline/gasohol/special fuel sold for aviation purposes as reported on schedule type “9”. **Do not include dyed diesel.**

Field: **Total Dyed Diesel Gallons (line 2d of Distributors tax return)**
Requirements: This field contains the total net gallons of **dyed diesel** received for the month as reported on schedule types "2" and "3" minus the net gallons reported on schedule type "6". Since dyed diesel is not taxable, it is removed 1from Total receipts.

Field: **Taxable Sales to Consumers (line 4 of Distributors tax return) Gasoline/Gasohol/Special Fuel**
Requirements: This field contains the net gallons of taxable fuel (gasoline/gasohol/special fuel) sold directly to consumers in tank car, transport, or pipeline lots reported on schedule type "10".

Field: **Net gallonage on which allowance applies of Gasoline/Gasohol/Special Fuel (line 5 of Distributors tax return)**
Requirements: This field contains the net gallons on which handling allowance applies for gasoline/gasohol/special fuel. Handling allowance is not permitted on taxable sales to consumers (schedule type "10") or for those companies who are licensed as importers.

Field: **Alternative Fuel Deduction (line 7 of Distributors tax return)**
Requirements: This field contains the net gallons of alternative fuel credit or deduction using the total from line 5 of schedule type "13".

Field: **Gallons Subject to Tax (line 8 of Distributors tax return) Gasoline/Gasohol/Special Fuel**
Requirements: This field contains the result of the following calculation: Line 3 (net gallons on which allowance applies) minus line 6 (handling allowance) less line 7 (alternative fuel deduction) for gasoline/gasohol/special fuel.

Field: **Total Gas & Gasohol/Special Fuel Tax Due (line 10 of Distributors tax return)**
Requirements: This field contains the sum of gasoline (line 9) plus gasohol (line 9) and the total of the special fuel. Do not round dollar figures (include cents). The decimal point is required in the EDI transmission. There should be two numeric characters after the decimal point. **Zero amounts need not be transmitted.**

Field: **Total Gas & Gasohol/Special Fuel Penalty & Interest (line 11 of Distributors tax return)**
Requirements: If filing a late return, add penalty at 5% of the tax and interest at the appropriate rates as found on our web site: **www.ksrevenue.org.**

Field: **Total Gas & Gasohol/Special Fuel Amount Due (line 12 of Distributors tax return)**
Requirements: This field is calculated from the addition of line 10 plus line 11.

Field: **Amount Remitted (line 13 of Distributors tax return)**
Requirements: This field is calculated from the addition of line 12 gasoline & gasohol plus line 12 special fuel.

5.3 Motor Fuel Tax Schedule

The following are the valid schedule types. Schedule type is a required field. For single digit schedule types, a space must follow the digit.

Field: **Schedule Type**
Requirements: **The valid receipt schedule types are:**
"1" gallons received tax paid
"2" gallons received to licensed motor fuel distributors tax unpaid
"3" gallons imported from another state direct to consumer.

The valid disbursement schedule types are:
"5" gallons delivered tax collected
"6" gallons delivered to licensed motor fuel distributors tax not collected
"7" gallons exported to another state
"8" gallons delivered to the US Government tax exempt
"9" gallons delivered to other tax exempt entities (Aviation/Jet Fuel)
"10" taxable sales to consumers in tank car, pipeline or transport lots
"13" alternative fuel tax credit/deduction

Field: **Carrier Name**
Requirements: This field should contain the name of the transporter of the fuel. It is required for both receipt and disbursement entries.

Field: **Carrier EIN**
Requirements: The carrier's complete nine digit EIN. If unknown, all nines should be reported in this field. This field is required for both receipt and disbursement entries.

Field: **Mode is a required field**
Requirements: The following are the valid modes of transportation:
"J" = Truck, "PL" = Pipeline, "B" = Barge, "R" = Rail and "O" = Other
This is required for both receipt and disbursement entries. For EDI purposes, the one-letter modes must be followed by a space or underscore, so the field will always have a length of 2/2.

Note: Terminal Code or the Origin City and Origin State are required.

Field: **Terminal Code**
Requirements: This must be a valid terminal code with no hyphens. A listing of valid terminal codes is available from KDOR.

Field: **Origin City**
Requirements: This is the city from which the product was transported. This field must be a valid city. This field is required **IF** the terminal code is not present. Kansas cities will be validated against a table of valid cities in the state. This requirement is true for both receipt and disbursement entries

Field: **Origin State**
Requirements: This must be a valid state abbreviation. This field is required **IF** the Terminal Code is not used. This requirement is true for both receipt and

disbursement entries. If the schedule type is a 3, then the Origin State may not be "KS".

Field: **First Line of Street Address (Destination)**
Second Line of Street Address (Destination)
Requirements: This is the street address of the destination of the fuel.

Field: **Destination City**
Requirements: This is the city destination of the fuel. This field must be a valid city OR the KDHE Facility number. If the field contains a Destination City, the Destination State is also required. If this field contains a KDHE Facility number the Destination State is not required. KDHE Facility numbers will be validated against a table of valid facility numbers. In the case of a Destination City, this should be the actual Destination City (or sale location in US Govt. sales) of the fuel. A billing address city/state is not valid.

Field: **Destination State**
Requirements: This must be a valid state abbreviation. This field will be checked against a table of valid state abbreviations. The field is not required if KDHE Facility number is used for the Destination City. This should be the actual destination (or sale location in US Govt. sales) of the fuel. A billing address state is not valid.

Field: **Acquired From Name or Distributors License**
Requirements: This field will contain the name of the distributor from whom the fuel was purchased or the complete distributors license number of the distributor from whom the fuel was purchased. Enter either name or license number. Do not use a combination of the two. This field is always required and will appear only on receipt schedules.

Field: **Sold To**
Requirements: This field will contain the name of the distributor to whom the fuel was sold or the complete distributors' license number of the distributor to whom the fuel was sold. Enter either name or license number. Do not use a combination of the two. This field is always required and is found only on disbursement schedule.

Field: **Purchaser's EIN**
Requirements: This field contains the EIN of the company to whom the fuel was sold. This field is always required and is found only on the disbursement schedule.

Field: **Sellers EIN**
Requirements: This field contains the EIN of the distributor from whom the fuel was purchased. This field is always required and is found only on the receipt schedule.

Field: **Handling Allowance Code**
Requirements: The following are valid handling allowance codes: "I" (Licensed Importer/Exporter), "C" (Consumer sales), or "O" (Other sales that receive 2.5% handling allowance). This code is used only on the Schedule 13 Alternative Fuel Tax Credit/Deduction.

Motor Fuel Tax Schedule: Manifest Information

Field: **Manifest Date**
Requirements: The date must be entered as yymmdd.

Field: **Manifest Number**
Requirements: This is the manifest number of the load of fuel being reported. This field is always required and must contain a manifest number or identifying number issued by the company that is unique within the calendar year. Only a single manifest number may be entered per line of the schedule.
It is not necessary to report zero gallon amounts.

Field: **Net Gallons**
Requirements: This field is required and contains the Net Gallons of the transaction. It may be positive or negative. Do not report fractions of gallons.

Field: **Gross Gallons**
Requirements: This field is required on the disbursement schedules and contains the Gross Gallons of the transaction. It may be positive or negative. Do not report fractions of gallons.

Field: **PC (Product Code)**
Requirements: This field is required and contains the product code of the transaction. Contact the Kansas Department of Revenue for a complete list of product codes.

6. Electronic Funds Transfer (EFT)

The EFT Program is a simple process to send your Motor Fuels Tax payments electronically instead of producing and mailing a check. EFT is a safe and efficient payment system that allows the State of Kansas to employ techniques that banks and businesses have utilized for years. Funds move almost instantaneously through this system from a taxpayer's account into the State Treasury helping to ensure receipt by the tax payment due date. Please visit our website at www.ksrevenue.org for additional information regarding the Department's EFT program.

7. Transaction Set 813 Mapping Requirements

The following sections will explain the mapping requirements of the ASC X12 envelopes and the 813 transaction set.

7.1 Separator Requirements

Type	ASCII Value	EBCDIC Value	Character
Segment Terminator	5C	E0	\
Element Separator	2A	5C	*
Sub element Separator	7E	A1	~
Padding Character	20	40	Space

7.2 Transaction Set 813 Segment Structure

ISA	Interchange Control Header	
GS	Functional Group Header	
ST	Transaction Set Header	
BTI	Beginning Tax Information	
DTM	Date/Time Reference	
TIA	Tax and Information Amount	
TRN	Trace	
	N1 LOOP	**5 Max**
N1	Name	
N2	Additional Name Information	
N3	Address Information	
N4	Geographic Location	
PER	Administrative Communications Contact	
	TFS LOOP	**100,000 Max**
TFS	Tax Form	
	N1 LOOP	**5 Max**
N1	Name	
N3	Address Information	
N4	Geographic Location	
	FGS LOOP	**100,000 Max**
FGS	Form Group	
DTM	Date/Time	
REF	Line Item	
	TIA LOOP	**10,000 Max**
TIA	Tax and Information Amount	
SE	Transaction Set Trailer	
GE	Functional Group Trailer	
IEA	Interchange Control Trailer	

7.3 Attribute Conventions

Attribute	Definition
Data Element Type	**Nn – Numeric**: Numeric Type data element is symbolized by two-position representation (Nn). N indicates a numeric, and n indicates the decimal places to the right of a fixed, implied decimal point. N0 is numeric with no decimal places. **R - Decimal (Real):** The decimal point is optional for integer values but is required for fractional or monetary values. For negative values the leading minus (-) sign is used. **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 character 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 YYMMDD. YY is last two digits of the year (00-99), MM is the numeric value of the month (01-12), and DD for the day (01-31). **TM – Time:** Format for the time type is HHMMSS, expressed in 24-hour clock format. HH is the numeric value for hour (00-23), MM for minute (00-59), and SS for second (00-59).
Requirement Designator	Defines how the data element is used in a segment. **M - Mandatory data element** - This element is required to appear in the segment. **O - Optional data element** - The appearance of this data element is at the option of the sending party or is based on a mutual agreement of the interchange parties. **X - Relational data element** - Relational conditions may exist between two or more data elements. If one is present the other(s) are required.
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 and maximum of 10). Note: Kansas Motor Fuel 813 data element length may want more than the 813 standard minimums and/or less than the 813 standards maximums but they do fall within the valid ranges for the data length.

7.4 Envelope Header Segments

INTERCHANGE CONTROL HEADER :: ISA

ID	REF	ELEMENT NAME	ATTRIBUTES	VALUE	DESCRIPTION
ISA01	I01	Authorization Information Qualifier	ID M 2/2	“00”	No authorization data
ISA02	I02	Authorization Information	AN M 10/10	“ ”	Spaces
ISA03	I03	Security Information Qualifier	ID M 2/2	“00”	Indicates no security data
ISA04	I04	Security Information	AN M 10/10	“ ”	Spaces
ISA05	I05	Interchange ID Qualifier	ID M 2/2	“01” “32”	Sender DUNS Number Qualifier Sender EIN Qualifier
ISA06	I06	Interchange Sender ID	AN M 15/15		Senders DUNS/EIN
ISA07	I05	Interchange ID Qualifier	ID M 2/2	“01”	Dept. of Revenue DUNS Number Qualifier
ISA08	I07	Interchange Receiver ID	AN M 15/15	“835107079 ”	Dept. of Revenue DUNS Number
ISA09	I08	Interchange Date	DT M 6/6	YYMMDD	Date Interchange was sent
ISA10	I09	Interchange Time	TM M 4/4	HHMM	Time Interchange was sent
ISA11	I10	Interchange Control Standards Identifier	ID M 1/1	“U”	USA Standard
ISA12	I11	Interchange Control Version Number	ID M 5/5	“00305”	Standard Version
ISA13	I12	Interchange Control Number	N0 M 9/9		Interchange Control Number (Generated by Sender) (**same as IEA02)**
ISA14	I13	Acknowledgment Requested	ID M 1/1	“0”	No Interchange acknowledgment requested
ISA15	I14	Test Indicator	ID M 1/1	“T” or “P”	Indicates **TEST** data transmitted Indicates **PRODUCTION** data transmitted
ISA16	I15	Subelement Separator	AN M 1/1	“~”	Subelement Separator

ISA*00* *00* *01*123456789012345*01*835107089 *060715*1200*U*00305*000000023*1*T*~

FUNCTIONAL GROUP HEADER :: GS

ID	REF	ELEMENT NAME	ATTRIBUTES	VALUE	DESCRIPTION
GS01	479	Functional Identifier Code	ID M 2/2	"TF"	Indicate Tax Filing
GS02	142	Application Sender's Code	AN M 2/15		Taxpayer's Mailbox
GS03	124	Application Receiver's Code	AN M 2/15	"KS813051RT" "KS813051RP"	Test Return Production Return KS = State Code; 813 = Transaction Set; 051 = Motor Fuel Tax; R = Return; T = Test or P = Production
GS04	373	Date	DT M 6/6	YYMMDD	Functional Group Creation Date
GS05	337	Time	TM M 4/4	HHMM	Functional Group Creation Time
GS06	28	Group Control Number	N0 M 1/9		Group Control Number (Generated by Sender) **(Same As GE02)**
GS07	455	Responsible Agency Code	ID M 1/2	"X"	Indicate ASC X12
GS08	480	Version/Release/Industry/ Identifier Code	AN M 1/12	"003050"	Standards Version being used

GS*TF*XXX*KS813051RT*060715*1200*24*X*003050

TRANSACTION SET HEADER :: ST

ID	REF	ELEMENT NAME	ATTRIBUTES	VALUE	DESCRIPTION
ST01	143	Transaction Set Identifier	ID M 3/3	"813"	Transaction Set Number
ST02	329	Transaction Set Control Number	AN M 4/9		Defined by Taxpayer (**Same as SE02)**

ST*813*123456789

BEGIN TAX INFORMATION SEGMENT :: BTI

ID	REF	ELEMENT NAME	ATTRIBUTES	VALUE	DESCRIPTION
BTI01	128	Reference Number Qualifier	ID M 2/2	"T2"	T2 = Tax Return Filing
BTI02	127	Reference Number	AN M 8/8	"KSBTMF52"	KS Distributors Tax Return
BTI03	66	ID Code Qualifier	ID M 2/2	"47"	47 = Tax Authority
BTI04	67	ID Code	AN M 2/2	"KS"	KS = Kansas Dept. of Revenue
BTI05	373	Transaction Creation Date	DT O 6/6	YYMMDD	Transmission Date
BTI06	818	Name Control ID	AN O 4/4		NOT USED
BTI07	66	ID Code Qualifier	ID M 2/2	"24"	24 = EIN
BTI08	67	ID Code	AN M 9/9		Taxpayers EIN
BTI09	66	ID Code Qualifier	ID M 2/2	"49"	49 = State License Number
BTI10	67	ID Code	AN M 5/5		Kansas Distributors License Number
BTI11	66	ID Code Qualifier	ID M 2/2	"ZZ"	Denote Filing Type
BTI12	67	ID Code	AN M 2/2	"A" "O" "S"	A = Amended Return O = Original Return S = Supplemental

BTI*T2*KSBTMF52*47*KS*06071524*480000001*49*13456*ZZ*O **

DATE/TIME REFERENCE SEGMENT :: DTM

ID	REF	ELEMENT NAME	ATTRIBUTES	VALUE	DESCRIPTION
DTM01	374	Date/Time Qualifier	ID M 3/3	“194”	194 = Tax Period End Date
DTM02	373	Date	DT X 6/6	YYMMDD	Period End Date: The actual last day of the tax month
DTM03	337	Time	TM X 4/8		NOT USED
DTM04	623	Time Code	ID O 2/2		NOT USED
DTM05	624	Century	N0 M 2/2	“20”	20 to denote the century.

DTM*194*060630*20**

TAX INFORMATION AND AMOUNT SEGMENT :: TIA

ID	REF	ELEMENT NAME	ATTRIBUTES	VALUE	DESCRIPTION
TIA01	817	Tax Information ID Number	AN M 4/4	“5039”	5039 = Total Due (Required even if zeros)
TIA02	782	Monetary Amount	R X 1/11		Grand Total Due

TIA*5039*10605.42

NAME SEGMENT :: N1

ID	REF	ELEMENT NAME	ATTRIBUTES	VALUE	DESCRIPTION
N101	98	Entity Identification	ID M 2/2	“TP”	TP = Taxpayer Name
N102	93	Name	AN X 1/35		Taxpayer Name

N1*TP*ABC OIL CO INC

ADDRESS INFORMATION SEGMENT :: N3

ID	REF	ELEMENT NAME	ATTRIBUTES	VALUE	DESCRIPTION
N301	166	Address Information	AN M 1/35		First Line of Street Address
N302	166	Address Information	AN O 1/35		Second Line of Street Address

N3*1111 W 4TH ST

GEOGRAPHIC INFORMATION SEGMENT :: N4

ID	REF	ELEMENT NAME	ATTRIBUTES	VALUE	DESCRIPTION
N401	19	City Name	AN X 2/18		Postal Mailing City
N402	156	State Code	ID O 2/2		Postal Mailing State
N403	116	Zip Code	ID O 5/9		Postal Mailing Zip Code

N4*TOPEKA*KS*66625

CONTACT FOR TAX QUESTIONS SEGMENT :: PER

ID	REF	ELEMENT NAME	ATTRIBUTES	VALUE	DESCRIPTION
PER01	366	Contact Function Code	ID M 2/2	"PI"	PI = Tax Preparer
PER02	93	Name	AN O 1/35		Contact Name
PER03	365	Communications Number Qualifier	ID X 2/2	"TE"	TE = Telephone Number
PER04	364	Communications Number	AN X 10/10		Contact Telephone Number
PER05	365	Communications Number Qualifier	ID X 2/2	"FX"	FX = Fax Number
PER06	364	Communications Number	AN X 10/10		Contact Fax Number

PER*PI*JOE PREPARER*TE*9197838000*FX*9197831000

Use this TFS loop to report the amounts for the Distributors Tax Return Form BM/mf 52. Repeat the FGS loop for each product reported (Gasoline & Gasohol, or Special Fuels).

Begin TFS Loop

TAX FORM SEGMENT :: TFS

ID	REF	ELEMENT NAME	ATTRIBUTES	VALUE	DESCRIPTION
TFS01	128	Reference Identification Qualifier	ID M 2/2	"T2"	T2 = Tax Form Code
TFS02	127	Reference Identification	AN M 8/8	"KSBTMF52"	Distributors Tax Return

TFS*T2*KSBTMF52

FORM GROUP SEGMENT :: FGS

ID	REF	ELEMENT NAME	ATTRIBUTES	VALUE	DESCRIPTION
FGS01	350	Assigned Identification	AN M 1/1	"D"	D = Distributor's Fuel Tax Return
FGS02	128	Reference Identification Qualifier	ID M 2/2	"PG"	PG = Product Group
FGS03	127	Reference Identification	AN X 2/2	"GA" "SP"	GA = Gasoline & Gasohol SP = Special Fuels

FGS*D*PG*GA

TAX INFORMATION AND AMOUNT SEGMENT :: TIA

ID	REF	ELEMENT NAME	ATTRIBUTES	VALUE	DESCRIPTION
TIA01	817	Tax Information ID Number	AN M 4/4	"5039"	5039 = Total Tax Due
TIA02	782	Monetary Amount	R X 1/11		Total Tax Due for Product

TIA*5039*2667.42

TAX INFORMATION AND AMOUNT SEGMENT :: TIA (Optional)

ID	REF	ELEMENT NAME	ATTRIBUTES	VALUE	DESCRIPTION
TIA01	817	Tax Information ID Number	AN M 4/4	“5026”	5026 = Penalty Due
TIA02	782	Monetary Amount	R X 1/11		Total Penalty Due for Product

TIA*5026*100.00

TAX INFORMATION AND AMOUNT SEGMENT :: TIA (Optional)

ID	REF	ELEMENT NAME	ATTRIBUTES	VALUE	DESCRIPTION
TIA01	817	Tax Information ID Number	AN M 4/4	“5029”	5029 = Interest Due
TIA02	782	Monetary Amount	R X 1/11		Total Interest Due for Product Group

TIA*5029*200.00

End of TFS Loop.

7.5 Transaction Detail for Schedule of Receipts

TAX FORM SEGMENT :: TFS

ID	REF	ELEMENT NAME	ATTRIBUTES	VALUE	DESCRIPTION
TFS01	128	Reference Identification Qualifier	ID M 2/2	“T3”	T3 = Tax Schedule Code
TFS02	127	Reference Identification	ID M 3/3	“1” “2” “3”	1 = Gallons Received Tax Paid 2 = Gallons Received from Licensed Motor Fuel Distributors Tax Unpaid 3 = Gallons Imported from Another State Direct to Customers
TFS03	128	Reference Identification Qualifier	ID X 2/2		Not Used
TFS04	127	Reference Number	AN X 1/30		Not Used
TFS05	66	ID Code Qualifier	ID M 2/2	“94”	Assigned by Organization Receiving the Transaction Set
TFS06	67	ID Code	AN X 2/2	“J ” “PL” “B ” “R ” “O ”	J = Truck PL = Pipeline B = Barge R = Rail O = Other

TFS*T3*2*94*J **

NAME SEGMENT :: N1

ID	REF	ELEMENT NAME	ATTRIBUTES	VALUE	DESCRIPTION
N101	98	Entity Identification	ID M 2/2	"CA"	CA = Carrier Name
N102	93	Name	AN X 1/35		Carrier’s Name
N103	66	Identification Code Qualifier	ID M 2/2	“24” “34”	24 = EIN Number 34 = Social Security Number
N104	67	Identification Code	AN X 9/9		Carrier’s EIN **or** SSN

N1*CA*OLE TRUCKING*24*486738471

NAME SEGMENT :: N1

ID	REF	ELEMENT NAME	ATTRIBUTES	VALUE	DESCRIPTION
N101	98	Entity Identification	ID M 2/2	"SE"	SE = Selling (Acquired From) Party
N102	93	Name	AN X 1/35		Sellers Name or License
N103	66	Identification Code Qualifier	ID M 2/2	“24” “34”	24 = EIN Number 34 = Social Security Number
N104	67	Identification Code	AN X 9/9		Seller’s EIN or SSN

N1*SE*14873*24*483941682

NAME SEGMENT :: N1

ID	REF	ELEMENT NAME	ATTRIBUTES	VALUE	DESCRIPTION
N101	98	Entity Identification	ID M 2/2	"OT"	OT = Origination Terminal
N102	93	Name	AN X 1/35	"ORIGIN"	Origin = Default Value
N103	66	ID Code Qualifier	ID X 2/2	"TC"	TC = Terminal Code
N104	67	ID Code	AN X 2/12		Terminal Code

N1*OT*ORIGIN

GEOGRAPHIC INFORMATION SEGMENT :: N4 (Optional if Terminal Code Used)

ID	REF	ELEMENT NAME	ATTRIBUTES	VALUE	DESCRIPTION
N401	19	City Name	AN X 2/18		Originating City
N402	156	State Code	ID X 2/2		Originating State

N4*TOPEKA*KS

NAME SEGMENT :: N1

ID	REF	ELEMENT NAME	ATTRIBUTES	VALUE	DESCRIPTION
N101	98	Entity Identification	ID M 2/2	"DT"	DT = Destination Point
N102	93	Name	AN X 1/35	"Destination"	Destination

N1*DT*DESTINATION

ADDRESS INFORMATION SEGMENT :: N3

ID	REF	ELEMENT NAME	ATTRIBUTES	VALUE	DESCRIPTION
N301	166	Address Information	AN O 1/35		First Line of Street Address
N302	166	Address Information	AN O 1/35		Second Line of Street Address

N3*1945 OIL CAN ALLEY

GEOGRAPHIC INFORMATION SEGMENT :: N4

ID	REF	ELEMENT NAME	ATTRIBUTES	VALUE	DESCRIPTION
N401	19	City Name	AN X 2/18		Destination City or KDHE Facility
N402	156	State Code	ID X 2/2		Destination State

N4*TOPEKA*KS **"Example using city & state"**
N4*16437 **"Example using KDHE Facility Number"**

FORM GROUP SEGMENT :: FGS

ID	REF	ELEMENT NAME	ATTRIBUTES	VALUE	DESCRIPTION
FGS01	350	Assigned Identification	AN M 1/1	"R"	R = Schedule of Receipts Detail Line
FGS02	128	Reference Identification Qualifier	ID M 2/2	"MK"	MK = Manifest Number
FGS03	127	Reference Identification	AN X 1/9		Manifest Number

FGS*R*MK*62991

DATE/TIME REFERENCE SEGMENT :: DTM

ID	REF	ELEMENT NAME	ATTRIBUTES	VALUE	DESCRIPTION
DTM01	374	Date/Time Qualifier	ID M 3/3	"111"	111 = Manifest Date
DTM02	373	Date	DT X 6/6	YYMMDD	Manifest Date
DTM03	337	Time	TM X 4/8		NOT USED
DTM04	623	Time Code	ID O 2/2		NOT USED
DTM05	624	Century	N0 M 2/2	"20"	20 to denote century.

DTM*111*060615*20**

TAX INFORMATION AND AMOUNT SEGMENT :: TIA

ID	REF	ELEMENT NAME	ATTRIBUTES	VALUE	DESCRIPTION
TIA01	817	Tax Information Code	AN M 4/4	"5010"	5010 = Net Gallons
TIA02	782	Authorization Information	R X 1/8		NOT USED
TIA03	449	Fixed Format Information	AN M 2/3		See Appendix 11 for valid product codes
TIA04	380	Quantity	R X 1/8		Number of Net Gallons
TIA05	355	Unit or Basis of Measurement Code	ID X 2/2	"GA"	GA = Net Gallons

TIA*501065*3997*GA**

TAX INFORMATION AND AMOUNT SEGMENT :: TIA
(Optional, unless approved by Kansas Dept. Of Revenue to report and pay tax on gross gallons)

ID	REF	ELEMENT NAME	ATTRIBUTES	VALUE	DESCRIPTION
TIA01	817	Tax Information Code	AN M 4/4	"5011"	5011 = Gross Gallons
TIA02	782	Authorization Information	R X 1/8		NOT USED
TIA03	449	Fixed Format Information	AN M 2/3		See Appendix 11 for valid product codes
TIA04	380	Quantity	R X 1/8		Number of Gross Gallons
TIA05	355	Unit or Basis of Measurement Code	ID X 2/2	"GA"	GA = Gross Gallons

TIA*501165*4100*GA**

End of FGS Loop.
End of TFS Loop

7.6 Transaction Detail for Schedule of Disbursements

TAX FORM SEGMENT :: TFS

ID	REF	ELEMENT NAME	ATTRIBUTES	VALUE	DESCRIPTION
TFS01	128	Reference Identification Qualifier	ID M 2/2	"T3"	T3 = Tax Schedule Code
TFS02	127	Reference Identification	ID M 3/3	"5" "6" "7" "8" "9" "10" "13"	5 = Gallons Delivered Tax Collected 6 = Gallons Delivered to Licensed Motor Fuel Distributors Tax Not Collected 7 = Gallons Exported to Another State 8 = Gallons Delivered to US Government Tax Exempt 9 = Gallons Delivered for Use as Aviation Fuel 10 = Taxable Gallons to Consumer in Tank Car, Transport, or Pipeline Lots 13 = Alternative Fuel Tax Credit/Deduction
TFS03	128	Reference Identification Qualifier	ID X 2/2		Not Used
TFS04	127	Reference Number	AN X 1/30		Not Used
TFS05	66	ID Code Qualifier	ID M 2/2	"94"	Assigned by Organization Receiving the Transaction Set
TFS06	67	ID Code	AN X 2/2	"J " "PL" "B" "R" "O "	J = Truck PL = Pipeline B = Barge R = Rail O = Other

TFS*T3*8*94*J **

NAME SEGMENT :: N1

ID	REF	ELEMENT NAME	ATTRIBUTES	VALUE	DESCRIPTION
N101	98	Entity Identification	ID M 2/2	"CA"	CA = Carrier Name
N102	93	Name	AN X 1/35		Carrier's Name
N103	66	Identification Code Qualifier	ID M 2/2	"24" "34"	24 = EIN Number 34 = Social Security Number
N104	67	Identification Code	AN X 9/9		Carrier's EIN or SSN

N1*CA*LED TRANSPORT*24*482468357

NAME SEGMENT :: N1

ID	REF	ELEMENT NAME	ATTRIBUTES	VALUE	DESCRIPTION
N101	98	Entity Identification	ID M 2/2	"BY"	BY = Buying Party (Purchaser)
N102	93	Name	AN X 1/35		Purchaser's Name
N103	66	Identification Code Qualifier	ID M 2/2	"24" "34"	24 = EIN Number 34 = Social Security Number
N104	67	Identification Code	AN X 9/9		Purchaser's EIN or SSN

N1*BY*US PUR OFFICE*24*135724689

NAME SEGMENT :: N1

ID	REF	ELEMENT NAME	ATTRIBUTES	VALUE	DESCRIPTION
N101	98	Entity Identification	ID M 2/2	"OT"	OT = Origination Terminal
N102	93	Name	AN X 1/35	"ORIGIN"	ORIGIN = Default Value
N103	66	Identification Code Qualifier	ID X 2/2	"TC"	TC = Terminal Code
N104	67	Identification Code	AN X 2/12		Terminal Code

N1*OT*ORIGIN*TC*T48KS3660

GEOGRAPHIC INFORMATION SEGMENT :: N4 (Optional if Terminal Code is Used)

ID	REF	ELEMENT NAME	ATTRIBUTES	VALUE	DESCRIPTION
N401	19	City Name	AN X 2/18		Originating City
N402	156	State Code	ID X 2/2		Originating State

N4*TOPEKA*KS

NAME SEGMENT :: N1

ID	REF	ELEMENT NAME	ATTRIBUTES	VALUE	DESCRIPTION
N101	98	Entity Identification	ID M 2/2	"DT"	DT = Destination Point
N102	93	Name	AN X 1/35	"Destination"	Destination

N1*DT*DESTINATION

ADDRESS INFORMATION SEGMENT :: N3

ID	REF	ELEMENT NAME	ATTRIBUTES	VALUE	DESCRIPTION
N301	166	Address Information	AN O 1/35		First Line of Street Address
N302	166	Address Information	AN O 1/35		Second Line of Street Address

N3*1945 OIL CAN ALLEY

GEOGRAPHIC INFORMATION SEGMENT :: N4

ID	REF	ELEMENT NAME	ATTRIBUTES	VALUE	DESCRIPTION
N401	19	City Name	AN X 2/18		Destination City or KDHE Number
N402	156	State Code	ID X 2/2		Destination State

N4*WICHITA*KS

FORM GROUP SEGMENT :: FGS

ID	REF	ELEMENT NAME	ATTRIBUTES	VALUE	DESCRIPTION
FGS01	350	Assigned Identification	AN M 1/1	"D"	D = Schedule of Disbursements Detail Line
FGS02	128	Reference Identification Qualifier	ID M 2/2	"MK"	MK = Manifest Number
FGS03	127	Reference Identification	AN X 1/9		Manifest Number

FGS*D*MK*61347

DATE/TIME REFERENCE SEGMENT :: DTM

ID	REF	ELEMENT NAME	ATTRIBUTES	VALUE	DESCRIPTION
DTM01	374	Date/Time Qualifier	ID M 3/3	"111"	111 = Manifest Date
DTM02	373	Date	DT X 6/6	YYMMDD	Manifest Date
DTM03	337	Time	TM X 4/8		NOT USED
DTM04	623	Time Code	ID O 2/2		NOT USED
DTM05	624	Century	N0 M 2/2	"20"	20 to denote the century.

DTM*111*060617*20**

HANDLING ALLOWANCE CODE :: REF

ID	REF	ELEMENT NAME	ATTRIBUTES	VALUE	DESCRIPTION
REF01	128	Reference Identification Qualifier	ID M 2/3	"LI"	Line Item Identifier
REF02	127	Reference Identification	AN X 1/50	"C" "I" "O"	C = Consumer I = Licensed Importer O = Other

REF*LI*C

TAX INFORMATION AND AMOUNT SEGMENT :: TIA

ID	REF	ELEMENT NAME	ATTRIBUTES	VALUE	DESCRIPTION
TIA01	817	Tax Information Code	AN M 4/4	"5010"	5010 = Net Gallons
TIA02	782	Authorization Information	R X 1/8		NOT USED
TIA03	449	Fixed Format Information	AN M 2/3		See Appendix 11 for valid product codes
TIA04	380	Quantity	R X 1/8		Number of Net Gallons
TIA05	355	Unit or Basis of Measurement Code	ID X 2/2	"GA"	GA = Net Gallons

TIA*501065*2387*GA**

TAX INFORMATION AND AMOUNT SEGMENT :: TIA

ID	REF	ELEMENT NAME	ATTRIBUTES	VALUE	DESCRIPTION
TIA01	817	Tax Information Code	AN M 4/4	“5011”	5011 = Gross Gallons
TIA02	782	Authorization Information	R X 1/8		NOT USED
TIA03	449	Fixed Format Information	AN M 2/3		See Appendix 11 for valid product codes
TIA04	380	Quantity	R X 1/8		Number of Gross Gallons
TIA05	355	Unit or Basis of Measurement Code	ID X 2/2	“GA”	GA = Gross Gallons

TIA*501165*2400*GA**

End of FGS Loop
End of TFS Loop

7.7 Envelope Trailer Segments

TRANSACTION SET TRAILER SEGMENT :: SE

ID	REF	ELEMENT NAME	ATTRIBUTES	VALUE	DESCRIPTION
SE01	96	Number of Include Segments	N0 M 1/10		Count of Segments within this 813
SE02	329	Transaction Set Control Number	AN M 4/9		Same as in ST segment

SE*39*123456789

FUNCTIONAL GROUP TRAILER SEGMENT :: GE

ID	REF	ELEMENT NAME	ATTRIBUTES	VALUE	DESCRIPTION
GE01	97	Number of Include Transaction Sets	N0 M 1/6		Count of Transaction Sets within this GS/SE
GE02	28	Group Control Number	N0 M 1/9		Same as in GS segment.

GE*1*24

INTERCHANGE CONTROL TRAILER SEGMENT :: IEA

ID	REF	ELEMENT NAME	ATTRIBUTES	VALUE	DESCRIPTION
IEA01	I16	Number of Functional Groups	N0 M 1/5		Count of Functional Groups within this ISA/IEA
IEA02	I12	Interchange Control Number	N0 M 9/9		Same as in ISA segment.

IEA*1*000000023

8. Kansas Motor Fuel Example Mapping

Transaction Set Header Example

Note: The following map is to illustrate an example mapping and is not necessarily inclusive of all possible data elements. Please refer to the map for all data elements included in the Kansas Department of Revenue mapping.

```
ISA*00*          *00*
*01*123456789012345*01*835107079*060715*1200*U*00305*000000023*1*T*~\
GS*TF*ZZZ*KS813051RT*060715*1200*24*X*003050\
ST*813*123456789\
BTI*T2*KSBTMF52*47*KS*060715**24*480000001*49*13456*ZZ*O \
DTM*194*060630***20\
TIA*5039*10605.42\
N1*TP*ABC OIL CO INC\
N3*1111 4TH ST\
N4*TOPEKA*KS*66625\
PER*PI*JOE PREPARER*TE*9197838000*FX*9197831000\
```

Transaction Set Detail Example

Note: The following TFS segment details line 9 - 12 on the BT/mf-52 form and a FGS loop for Gasoline & Gasohol and Special Fuel.

```
TFS*T2*KSBTMF52\
FGS*D*PG*GA\
TIA*5039*2667.42\
TIA*5026*100.00\
TIA*5029*200.00\
FGS*D*PG*SP\
TIA*5039*7938.00\
TIA*5026*100.00\
TIA*5029*200.00\
```

Note: The Detail contains all columnar item data from the Schedules of Receipts and Disbursements. TFS loops are shown here as separated by a blank line for readability.

Schedule of Receipts #2

```
TFS*T3*2***94*J \
N1*CA*OLE TRUCKING*24*486738471\
N1*SE*14873*24*483941682\
N1*OT*ORIGIN\
N4*TOPEKA*KS\
N1*DT*DESTINATION\
N3*1945 OIL CAN ALLEY\
N4*TOPEKA*KS\
FGS*R*MK*62991\
DTM*111*060615***20\
TIA*5010**065*3997*GA\
```

Schedule of Receipts #3

```
TFS*T3*3***94*J \
N1*CA*PLATT TRUCKING*24*123456789\
N1*SE*DUNN OIL*24*157663111\
N1*OT*ORIGIN\
N4*KANSAS CITY*MO\
N1*DT*DESTINATION\
N4*TOPEKA*KS\
FGS*R*MK*114567\
DTM*111*060601***20\
TIA*5010***8100*GA\
FGS*R*MK*114152\
DTM*111*060702***20\
TIA*5010**227*3000*GA\
```

Schedule of Disbursements #6

```
TFS*T3*6***94*J \
N1*CA*OLE TRUCKING*24*486738471\
N1*SE*14873*24*483941682\
N1*OT*ORIGIN\
N4*TOPEKA*KS\
N1*DT*DESTINATION\
N3*1945 OIL CAN ALLEY\)
N4*TOPEKA*KS\
FGS*R*MK*62991\
DTM*111*060601***20\
TIA*5010**065*3997*GA\
TIA*5011**065*4000*GA\
```

Schedule of Disbursements #7

```
TFS*T3*7*PG***94*J \
N1*CA*DEF TRANSPORTS*24*480000002\
N1*BY*16344*24*480000003\
N1*OT*ORIGIN*TC*T48KS3423\
N4*TOPEKA*KS\
N1*DT*DESTINATION\
N4*ST JOSEPH*MO\
FGS*D*MK*12345\
DTM*111*060601***20\
TIA*5010**065*8398*GA\
TIA*5011**065*8500*GA\
```

Schedule of Disbursements #8

TFS*T3*8*PG***94*J \
N1*CA*LED TRANSPORT*24*482468357\
N1*BY*US PUR OFFICE*24*135724689\
N1*OT*ORIGIN\
N4*KANSAS CITY*MO\
N1*DT*DESTINATION\
N4*WICHITA*KS\
FGS*D*MK*61347\
DTM*111*060617***20\
TIA*5010**065*2387*GA\
TIA*5011**065*2400*GA\

Schedule of Disbursements #9

TFS*T3*9*PG***94*J \
N1*CA*TV TRUCKING*24*485666771\
N1*BY*BILLARD AIRPORT*24*485677899\
N1*OT*ORIGIN\
N4*TOPEKA*KS\
N1*DT*DESTINATION\
N4*TOPEKA*KS\
FGS*D*MK*13567\
DTM*111*060603***20\
TIA*5010**125*300*GA\
TIA*5011**125*300*GA\

Schedule of Disbursements #10

TFS*T3*10*PG***94*J \
N1*CA*OLE TRUCKING*24*486738471\
N1*BY*14873*24*483941682\
N1*OT*ORIGIN*TC*1-KS-36884\
N4*TOPEKA*KS\
N1*DT*DESTINATION\
N4*TOPEKA*KS\
FGS*D*MK*62991\
DTM*111*060601***20\
TIA*5010**065*3997*GA\
TIA*5011**065*4000*GA\

Schedule of Disbursements #13

TFS*T3*13*PG***94*J \

```
N1*CA*OLE TRUCKING*24*486738471\
N1*BY*JOES PLACE*24*483983542\
REF*LI*C\
N1*OT*ORIGIN*TC*\
N4*TOPEKA*KS\
N1*DT*DESTINATION\
N4*TOPEKA*KS\
FGS*D*MK*62999\
DTM*111*060601***20\
TIA*5010**065*3997*GA\
TIA*5011**065*4000*GA\
```

Envelope Trailer Segments

```
SE*39*123456789\
GE*1*24\
IEA*1*000000023\
```

9. Functional Acknowledgment Overview

For each functional group of 813 Tax Return Data transaction sets sent to KDOR in the correct EDI format, KDOR will send one transaction set, the 997 Functional Acknowledgment, back to the taxpayer.

The following diagram shows the 997 transaction set

ISA Interchange Control Header
GS Functional Group Header
ST Transaction Set Headers
AK1 Functional group Response Header

AK2 Transaction Set Response Header

AK3 Data Segment Note
AK4 Data Element Note

AK5 Transaction Set Response Trailer

AK9 Functional Group Response Trailer
SE Transaction Set Trailer
GE Functional Group Trailer
IEA Interchange Control Trailer

If the transaction set is rejected, the taxpayer must correct the errors and resend the entire transmission to KDOR. ***The electronic tax return has not been filed until the transmission is accepted by KDOR.***

The 997 only detects syntax errors, that is, errors in the “grammar” of the 813 that would prevent KDOR from reading it, or when essential information is missing. It does not detect math errors or other filing errors.

If you should have any problems interpreting the 997 or any questions to what caused the error during translation then you can contact KDOR for further clarification. (See page 3 for Contact Number)

Note: Do not respond to the 997 Functional Acknowledgment.

10. Glossary

Accredited Standards Committee X12 (ASC X12)
The committee chartered by the American National Standards Institute to develop uniform standards for inter-industry electronic interchange of data for business transactions.

American National Standards Institute (ANSI)
A non-profit, privately funded organization that coordinates the development of voluntary national standards.

Electronic Data Interchange (EDI)
The intercompany computer-to-computer exchange of data in a standard data format that replaces a traditional paper business document.

Functional Acknowledgment
A transaction set transmitted by the receiver to indicate syntactical acceptability of data transmitted.

Mailbox
A term used to refer to the place where an EDI transmission is stored for pickup or delivery.

Mapping
The process of identifying the standard data element's relationship to application data elements.

Syntactic
All rules set forth in the Transaction Set 813 3050 in the ASC X12 standards have been met and can successfully be translated.

Trading Partners
The sending and receiving parties involved in the exchange of electronic data interchange transmissions.

Transaction Sets
The term used in EDI to describe the electronic transmission of a single document, defined by a number and a name (For example, 810 Invoices, 813 Tax Filings) between trading partners. The data included in a transaction set conveys the same information as a conventional business document. A transaction set consists of a header segment, one or more detail segments, and a summary or trailer segment.

Translation
The process of extracting information from existing computer applications and mapping it into the appropriate format of EDI standards for sending to a trading partner. Translation is performed by translation software. Translation also occurs on the receiving side where the receiving trading partner maps the EDI transaction set into a detail data set for existing computer applications.

11. FTA Product Codes

Product	Code

Alcohol ---------- **123**
Ethanol 241
Methanol 243

Aviation Gasoline ---------- 125

Blending Components ---------- **122**
Additive Miscellaneous 090
Benzene 248
Butane, including butane-propane mix 055
Butylene 198
ETBE 249
Ethane 052
Ethylene 196
Isobutane 058
MTBE 093
Methane 265
Napthas 126
Pentanes, including isopentanes 059
Propylene 075
Raffinates 223
TAME 121
Toluene 199
Transmix 100
Waste Oil 091
Xylene 076

Biodiesel – Undyed ---------- **170**
Biodiesel – Undyed (B100) 284
Biodiesel – Dyed ---------- **171**
Biodiesel – Dyed (B100) 290

Compressed Natural Gas 224

Diesel Fuel – Dyed ---------- **228**
High Sulfur Diesel – Dyed 226
Low Sulfur Diesel – Dyed 227
No 1 Diesel – Dyed 231
Diesel Fuel #4 – Dyed 153

Diesel Fuel – Undyed ---------- **160**
Low Sulfur Diesel #1 – Undyed 161
Low Sulfur Diesel #2 – Undyed 167
No. 1 Fuel Oil – Undyed 150
Diesel Fuel #4 – Undyed 154
#1 High Sulfur Diesel – Undyed 282

#2 High Sulfur Diesel – Undyed..... 283

Excluded Liquid (Mineral Oil) ---------- 077

Gasoline ---------- 065
Gasoline MTBE 071

Gasohol Ethanol Blend ---------- 124
Gasohol 10% Ethanol Blend..... 139
Gasohol 7.7% Ethanol Blend..... 141
Gasohol 5.7% Ethanol Blend..... 140
E75..75% Ethanol..25% Gasoline..... 078
E85..85% Ethanol..15% Gasoline..... 079

Heating Oil ---------- 152

Jet Fuel ---------- 130

Kerosene – Undyed ---------- 142
Low Sulfur Kerosene – Undyed..... 145
High Sulfur Kerosene – Undyed 147

Kerosene – Dyed ---------- 072
Low Sulfur Kerosene – Dyed..... 073
High Sulfur Kerosene – Dyed 074

Liquid Natural Gas ---------- 225

Marine Gas Oil ---------- 280
Marine Diesel Oil ---------- 279

Mineral Oils ---------- 281

Natural Gasoline ---------- 061

Organic Oils ---------- 960

Propane ---------- 054

Residual Fuel Oil ---------- 175

Soy Oil ---------- 185

Undefined Products ---------- 092

12. FTP Instructions

Connect to the KDOR FTP Server

Connect to the Internet

In the address bar, type ftp://ftp.kdor.org Press Enter

Type User ID and password at the correct prompts Press Enter

At this point, you may copy and paste your file into the “sub” folder on the KDOR FTP Server by right clicking on the file.

You may also double click the “sub” folder and view the files that have been uploaded during this session and delete them if necessary.

Receive a file from the KDOR FTP Server

Connect to the Internet

Connect to the KDOR FTP Server

In the address bar, type ftp://ftp.kdor.org Press Enter

Type User ID and password at the correct prompts Press Enter

Double click the folder labeled ack. The acknowledgment files will be stored in this folder. You may view, print, download or delete these files if you choose.

13. Trading Partner Agreement

State of Kansas

ELECTRONIC DATA INTERCHANGE (EDI)
TRADING PARTNER AGREEMENT

This Agreement is entered into on _____, 20___, by and between the Kansas Department of Revenue and _____, hereinafter "the Taxpayer".

The Department and the Taxpayer agree as follows:

1. Taxpayer will electronically transmit reports to the Department of Revenue. All reports shall be transmitted in accordance with Department standards and instructions that are issued by the Department of Revenue.

2. The returns shall be transmitted electronically to the Department of Revenue through an internet service provider (ISP) or a value added network (VAN) to the directory provided at the Department of Revenue's FTP Server. Each party shall be responsible for the costs of any provider with which it contracts.

3. The Taxpayer, at its own expense, shall provide and maintain the equipment, software, services and testing necessary for the Taxpayer to transmit the electronic return. The Department of Revenue, at its own expense, shall provide and maintain the equipment, software, services and testing necessary for the Department to receive the electronic return. Each party shall use security procedures which are reasonably sufficient and use its best efforts to ensure that all transmissions of returns are authorized and to protect its business records and data from improper access.

4. The signature of the Taxpayer or its authorized agent affixed to this Agreement shall be deemed to appear on such electronically filed returns, as if so actually appearing.

5. A return shall be deemed not to have been filed with the Department until the return in the provided format is accessible to the Department of Revenue at our FTP Server. If the Taxpayer attempts to file and is unable to do so because the Department's FTP Server is not available to receive a filing, the Taxpayer shall immediately contact the Department of Revenue at 785-291-3660. The Department will not impose late filing penalties provided the Taxpayer follows the above requirement.

6. Upon any receipt of any transmission from the Taxpayer, the Taxpayer will be provided a 997 acknowledgment. A transmission that is received, but is not in the stipulated format will not constitute a valid return. For a return to be timely filed under Chapter 79 of the Kansas Statutes, it must be received in the standard format on or before the filing due date.

7. Any transmission received in an unintelligible or garbled form and the Taxpayer cannot be identified will not be provided a 997 acknowledgment. The absence of the 997 acknowledgment shall be treated as notice to the Taxpayer that the return was not received in the standard format.

8. The Taxpayer will mechanically store their records and will maintain such records in accordance with Chapter 79 of the Kansas Statutes for a period of 3 years from the date of filing.

9. This Agreement shall be valid and in effect from the date last appearing below. However, if the authorized agent signing such Agreement on behalf of the Taxpayer leaves the employment of the Taxpayer or becomes no longer authorized to sign such returns, the Taxpayer's right to file returns electronically shall automatically be terminated until a new written Agreement is signed with the Department of Revenue. Such termination shall be effective as of the date the Department of Revenue receives actual notice from the Taxpayer that the agent's authority has

ended. Any failure to comply with the provisions of this paragraph shall result in the Taxpayer being deemed to have filed an incomplete return.

10. This agreement can only be amended by the execution of a written addendum to this agreement by the Department of Revenue and the Taxpayer.

11. The Department of Revenue or the Taxpayer can cancel this Agreement at any time upon sixty (60) days notice to the other party.

12. This Agreement represents the entire understanding of the parties in relation to the electronic filing of returns.

13. The place of performance of this agreement is the Motor Fuel Tax Section, Business Tax Bureau, Division of Taxation, Kansas Department of Revenue, 3rd Floor Docking State Office Building, Topeka, Kansas 66625. It shall be governed by the laws of the State of Kansas.

IN WITNESS WHEREOF, the parties hereto have caused this Agreement to be duly executed as of the day and year listed below:

TAXPAYER:

_____ _____
Print Name of Owner or Authorized Agent Title

_____ _____
Signature of Owner or Authorized Agent Date

On this_____day of _____, 20_____, before me, a Notary in and for the county of _____ and state of _____, personally appeared the individual identified above who acknowledged that he/she executed the foregoing instrument.

Sworn to and subscribed before me
this _____ day of _____, 20_____.

_____
Notary Public

My Commission Expires:_____

KANSAS DEPARTMENT OF REVENUE

_____ _____
Print Name of Department's Authorized Agent Title

_____ _____
Signature of Department’s Authorized Agent Date

14. EDI Trading Partner Profile

Directory:_____ (leave blank)

Password:_____(leave blank)

Kansas Department of Revenue

Date:_____

Federal Employer ID #_____

Distributor License #_____

Company Name:_____

Mailing Address:_____

_____

_____

Primary Contact:_____

Phone:_____ Fax:_____

Primary Contact E-mail Address_____

EDI Contact:_____

Phone:_____ Fax:_____

EDI Contact E-mail Address_____

State Level: Carole Rutschmann
915 SW Harrison
Topeka KS 66625

carole_rutschmann@kdor.state.ks.us

Phone: 785-291-3660
Fax: 785-296-0153

Type of Tax/EDI Software: _____