



*Federation of Tax
Administrators*

Motor Fuels Tax Section – Uniformity Project – Electronic Commerce

Electronic Combined Reporting Methods Implementation Guide

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ANSI ASC X12 V.4030 – FTA Version 2

**W3C XML Version 1 – FTA Version 1 Under
Development**



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References

ASC X12

The Accredited Standards Committee
Subcommittee - X12G – Government
Task Group 2 (X12G/TG2)
Tax Information Interchange Development
TIGERS
World Wide Web site: <http://www.x12.org>

ASC X12 Standards Manual

Publications Manager, Publications Department
Data Interchange Standards Association (DISA)
333 John Carlyle Street, Suite 600, Alexandria, VA 22314
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World Wide Web site: <http://www.disa.org>

W3C XML Standards

World Wide Web Consortium
World Wide Web site: <http://www.w3.org/>

FTA Uniformity Guide

Motor Fuel Tax Section, Uniformity Project
Federation of Tax Administrators (FTA)
444 N. Capitol St., NW, Washington, DC 20001
World Wide Web site: <http://www.taxadmin.org>

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

Chapter 1 - Introduction

The Federation of Tax Administrators (FTA) has adopted an “11 Point Plan” to curb tax evasion. Point 6 is, “Allow for uniform electronic reporting systems by adopting the FTA Motor Fuel Uniformity Electronic Commerce Committee standards for all electronic data exchange.”

The Electronic Commerce (EC) Subcommittee facilitates and encourages all taxing jurisdictions - federal, state/provincial and local - and taxpayers alike, to comply with this point.

Over the past few years the subcommittee has adopted the 813-transaction set of ANSI X12 as the standard for such reporting as well as the draft XML schema standard included in this guide. It has also incorporated into such standards the various codes adopted by the Uniformity Committee for reporting product type, entity identification, mode of transport and locations of points of origin and destination of fuel movements, as well as specific motor fuels tax information and amount. The mapping allows for a single data file transmission for Supplier or Distributor, Carrier, and Terminal Operator returns and detailed schedules.

The EC Subcommittee is the custodian of the TIA and summary codes and the State co-chair is the contact person for anyone wishing to add to the list of approved codes.

Currently, a number of states have plans for mandatory or voluntary electronic reporting programs for motor fuels taxes. Obviously, the more uniform the methods employed in such reporting, the better it is for all taxpayers and taxing jurisdictions involved. Besides making tax reporting more efficient, uniformity in methods and standards also facilitates the sharing of the detailed information contained in the tax reports among taxing jurisdictions, and it enables taxpayers to better respond to taxing authority requirements for information.

The EC Subcommittee is also developing or has adopted the following uniform mapping for:

- Payment Order/Remittance Advice - 820
- Tax Information Exchange (exchange of information between tax authorities) – 826
- Functional Acknowledgement of Filing – 997
- XML Schemas

The Motor Fuel Tax EC Subcommittee recommends that state tax administrators adopt a standard internet interface for motor fuel taxpayers. The standard interface is included in this guide.

Committee Co-chairs

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WorkGroups

XML Schema for Motor Fuel

- **Team Members**
 - Traci Bullock, Team Leader, South Carolina Department of Revenue
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 - Ray Grimm, ACS
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 - Jonathan Lyon, Advisor, FTA
 - Terry Garber, Advisor, South Carolina
 - Kathryn McKee, Marathon Petroleum Company
 - Gene Holland, ConocoPhillips

- **Team Focus**
 - Preliminary review of State XML schemas and XML implementation guides
 - Develop XML schema for supplier, distributor, carrier, terminal operator, and retailer
 - XML for state-to-state data exchanges
 - Future XML discussion topics: migration strategies; common implementation strategies; and translation software

EC Survey – Planning, Implementation, & Evaluation

- **Team Members**
 - Ray Rhoads, Team Leader, Kansas Department of Revenue
 - Greg Anderson, ConocoPhillips
 - Bill Gray, Sinclair Oil Corporation
 - Donna Alderman, North Carolina Department of Revenue
 - Traci Bullock, South Carolina Department of Revenue

- **Team Focus**
 - Evaluation and development of action items from EC Survey Results
 - Revisions to EC Survey
 - Publish Results of EC Survey

EDI/EC Implementation Review Team

- **Team Members**
 - Traci Bullock, Team Leader, SC Department of Revenue
 - Scott Fitzgerald, Iowa Department of Revenue
 - Darrell Wissink, Nebraska Department of Revenue
 - Gene Holland, ConocoPhillips Company
 - Cheryl Gilson, ZyTax
 - Ray Grimm, ACS
 - Kathryn McKee, Marathon Petroleum Company
 - Ray Rhoads, Kansas Department of Revenue
 - Lou Feletto, California Board of Equalization

- **Team Focus**
 - Responsible for Annual Update of Electronic Data Exchange Implementation Guide

- Annual Updates of Summary, TIA and Schedule Codes in Guide
- Preliminary review of implementation guides
- Responsible for Additions/Deletions/Modifications of Summary Codes, TIA Codes, Report Codes, and Schedule Codes

ExSTARS Single Point of Filing Team

- **Team Members**

- Greg Anderson, Team Leader
- Brian Serafino, Chevron
- Bill Gray, Sinclair Oil Corporation
- Edie Martin, Kansas Department of Revenue
- Cindy Mongold, Kansas Department of Revenue
- David Hernandez, Valero
- George Higdon, Mississippi State Tax Commission
- Lou Feletto, California Board of Equalization
- John Thompson, Marathon Petroleum Company

- **Team Focus**

- Analyze States' ability to use the IRS X12 4030 data.
- Improve ability to download ExSTARS data for States'.
- Identify data to be added to ExSTARS for states to have data needed for single point of filing.

Implementation Guide Approval Procedures

Procedure for having an EDI Software Guide approved by the FTA Motor Fuel Uniformity Electronic Commerce Sub-committee

- Submit tax forms and schedules to the Motor Fuel Uniformity Forms Sub-committee for review. You may want to make changes to your forms and/or schedules to make them more uniform; this will make it easier to implement electronic filing.
- Contact the EDI/EC Implementation Review Team of the Motor Fuel Uniformity Electronic Commerce Sub-committee early with any preliminary questions or discussion; this will aid in resolving many issues before the first complete draft is submitted.
- Submit an electronic copy of proposed Guide to EDI/EC Implementation Review Team
 - Tax forms and schedules used by the State are helpful in determining proper mapping and should be submitted along with Guide.
- The Guide is distributed to review team for review
- The Team members submit comments on the Guide to the Team Leader
 - The Team will be given approximately 3 weeks for review of the Guide.
- The Team will have a conference call with Guide submitters
 - Questions or Changes will be addressed during the conference call. If mapping changes are required, the process restarts at submission of the Guide.
- The Guide is either preliminarily accepted or rejected
- The Guide is submitted for approval by the Electronic Commerce Sub-committee at the next quarterly meeting
- The Guide is approved.

Note: these procedures should be followed for new guide approvals and also for significant changes to existing guides.

State Implementation Guide Substantial Compliance

The following implementation guides were reviewed by the FTA Uniformity Committee and identified as following the standards defined by the committee for electronic file formats. This review is for 4030 guides.

State	Guide Date	Guide Version	X12 Standards Version	FTA Approved Date
Wisconsin	May 1994	2.4	3050	January 1995
	September 2006	5.6	4010	January 2007
Arkansas	January 2000	06202000	3050	June 2000
Florida	January 2003	1	3070	September 2004
	September 2008	1.0	4030	January 2009
Missouri	September 2002	1	4030	May 2003
Michigan	March 2003	1.0	4030	May 2003
South Dakota	November 2002	1	4030	May 2003
California	May 2003	1	4030	June 2004
South Carolina	September 2003, updates Feb 2006	1	4030	September 2003
		2	4030	September 2006
Wyoming	September 2003	1	4030	September 2003
Montana - 813	April 2004	1	4030	June 2004
Montana - 826	March 2004	1	4030	June 2004
North Carolina	June 2005	1.0	4030	June 2005
Nebraska	July 2004	1	4030	October 2004
North Dakota*	June 2004	1	4030	June 2004
Colorado	October 2004	1.1	4030	July 2005
Minnesota	October 2004	1.08	4030	April 2005
Mississippi*	September 2005	1.0	4030	December 2005
Iowa	September 2005	1.00	4030	March 2006
Kentucky	July 2007	1.0	4030	September 2007
New Hampshire	March 2009	1.00	4030	May 2009

*This guide was approved with minor differences from the uniform guide. See state's guide for details.

Chapter 2 - Implementing the Uniform Electronic Filing Process

The goal of uniform reporting is to provide taxing authorities with a model to follow so that they do not have to reinvent the electronic filing process. Another way to state this is to provide industry a standard by which they can report information that taxing authorities need. The uniform standards provide the flexibility to collect information that cannot be derived from other sources, information that has a direct correlation to the calculation of tax. Uniform reporting is not about requiring information in a map that does not have a direct relationship to the calculation of tax. This chapter is a work in progress. It will be updated on a regular basis to keep electronic participants informed on issues effecting the implementation of uniform electronic filing process. This section will be made up primarily of questions and answers.

When implementing FTA maps, a taxing authority should publish the entire map as defined in the FTA standards. The taxing authority should extract from the data the information they require. If taxing authorities follow this recommendation, we can achieve uniform electronic filing. **When publishing your implementation guide, gray out and/or strike out the portions of the map you do not require; do not delete these sections.**

EDI Implementation Guidelines

1. Standard EDI Map (ANSI X.12 4030 format):

By using the Motor Fuel Uniformity Committee approved EDI map, States and taxpayers can leverage existing work instead of creating custom files to transmit tax data. Standard maps pre-define fields and data elements so they are well understood. In addition, States and companies can utilize vendor software to produce standard EDI files.

FYI – Once the uniform file is received, the state can choose to ignore certain data fields.

2. Testing Timeline:

- From notifying the taxpayer to go-live, allow 6 months to test and convert current process to EDI. This gives appropriate lead time to align resources, budgets, preparation and testing.
- Sample Data Test: Require 1 or 2 months of testing sample data. Be flexible as to what month and year the companies provide for testing. Due to development system limitations, only a limited amount of data may be available at any given time and it is very cumbersome to load data from prior month's actual transactions. The point of this portion of the test is to test the systems ability to process the file.
- Production Data Test: To ensure that EDI is accurate, the state could require both paper and EDI for 2 to 3 months in production.
- After Go Live the paper and/or separate electronic submission via fax, email or web site of summary reports contained in the EDI submission should no longer be required.

3. Forms and Schedules:

It is recommended not to change forms or schedule codes at the same time you are moving to EDI. Moving from paper to EDI is more straight-forward when the forms/schedules remain the same. We recommend changing forms/codes in advance of EDI.

4. State Web Site:

If possible, the state's web site could provide the following:

- Allow companies to upload and process test and production files.
- Provide clear error messages and confirmation that a return was filed. Error messages should allow the filer to identify which records resulted in the error. Recommendations for confirmation information include the name of the file and the date submitted.
- Validation/Pre-Check process: validate a file before submission to catch any data issues (i.e. invalid FEIN).
- Allow for multiple user logins by filer.

- Whether through FTP or web site login, EDI filing methods should attempt to use standard technology and settings to minimize the need for supplemental technology support.
- Contain contact information for problems using web site or filing return. EDI documentation contacts can get out of date.

FYI - Colorado has good pre-EDI validation process. See “EDI check” at: <https://www.cofts.com/goGuest.cfm>

5. Retroactive Filing:

Requiring companies to re-file paper returns as EDI is not a best or preferred practice. Once a return is filed with the state (paper or EDI), that return should serve as the source.

If a state expects they will be requiring the taxpayer to back file they need to disclose that fact up front, so that the taxpayer can prepare for it while testing. It shouldn't come as a surprise at the end of the certifications process.

States could also be asked to suspend the paper schedules in exchange for a company's agreement to back file the returns due during the test period.

6. EDI Implementation guides:

It is recommended that state's begin with the FTA Electronic Commerce Guide in designing the state's guide; then submit that guide to the committee for review and approval. Once approved the state publishes their guide and advises industry allowing 6 months for testing and implementation.

Include comprehensive instructions that address both technical specifications and plain text descriptions. Include testing procedures/requirements, State contacts and any specific file naming conventions. Also include schedule description details for determining appropriate schedule assignments as many times the taxpayer and state testers involved in implementing EDI are not experts with the particular tax returns.

X12 EDI Process

Question: Taxing authorities require diversions to be reported on my tax returns. Where in the EDI map can I pass the diversion number?

Answer: Diversion numbers are not passed in the FTA Uniform Motor Fuels EDI map. These numbers are generated by taxing authorities and are associated with a bill of lading at the time the diversion number is assigned. The diverted bill of lading number and related fuel information is reported in the EDI file on the diversion schedule 11. The bill of lading number on schedule 11 gives the taxing authority a link back to the diversion number they already have stored in their system.

Question: Do I need to pass tax rates and fees in my EDI file?

Answer: No, Tax Rates and Fees are not passed in the FTA Uniform Motor Fuels EDI map. This information is set and published by the taxing authority. The monetary values associated with the tax and fees due are derivable from the information reported in the EDI file.

Question: Does inventory gains/losses information have to be reported electronically with each filing?

Answer: This depends on the requirements of the taxing authorities. Some authorities do not require regular gains/losses information reporting and compute the gain or loss from the other information in the FTA Uniform Motor Fuels EDI map. Other authorities require positive reporting of the gains/losses and compare their calculated amounts to the amounts reported. If an inventory gain or loss is questionable, the taxing authority should contact the taxpayer for an explanation. The gain or loss is the difference between book inventory and physical ending inventory. If the book inventory is greater than physical ending inventory there is a loss of inventory. Likewise, if book inventory is less than physical ending inventory there is a gain of inventory. The following example details the calculation of an inventory gain or loss.

January 2001		February 2001	
Beginning Inventory		Beginning Inventory	100,000
+ Receipts		+ Receipts	500,000
= Total Available		= Total Available	600,000
- Disbursements		- Disbursements	450,000
= Book Inventory		= Book Inventory	150,000
Gain/(Loss)		Gain/(Loss)	(500)
Ending Inventory	100,000	Ending Inventory	149,500

Question: Does beginning inventory information have to be reported electronically with each filing?

Answer: No, even though the FTA Uniform Motor Fuels EDI map allows for beginning inventory to be reported, this information can be derived from the previous months ending inventory. However, some taxing authorities are asking taxpayers to report this information each month if there have been changes made to the reported inventory quantities. It is the position of the EC Subcommittee that if inventory quantities change from what was reported as ending inventory in the previous month to what is reported as beginning for the current month; that the taxpayer should be required to correct the previous months ending inventory by filing amended information. By filing amended inventory information the taxpayer will have eliminated inventory discrepancies.

Question: Does each element within a segment have to be represented when data does not exist?

Answer: Certain elements within a segment are required by the X12 standards. Element Separators (Placeholders) are required for each element that falls between utilized elements.

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

However, Placeholders are not required when unused elements are at the end of the segment following the last utilized element .

Example: TFS~T2~TOR\

This TFS segment only uses 2 of the 8 elements available. We do not have to add Placeholder for the remaining 6 elements.

Question: What is meant by combined reporting?

Answer: Combined reporting means the electronic file contains one schedule that can be applied to multiple reports. The data in the schedule needs to be analyzed electronically and associated with the appropriate return in internal taxing authority systems. The file will contain information in the following order:

1. Report Cover sheets. (TOR, SDR, CCR, etc) All report types that apply to the data.
2. Summary information. All summary information applying to any of the included reports.
3. Schedule date. This is the detail that can be broken out by the taxing authority and applied to the appropriate report type.

Question: What naming convention do we use when sending export information to neighboring states?

Answer: To ensure files are not accidentally overwritten, use the following naming convention when sending electronic export information to neighboring states.

SSXXXRSYYYYMM.txt

SS = Sending state abbreviation

XXX = file type '826' = EDI file, 'XML' = XML Schema, or 'FFF' = flat file format

RS = Receiving state abbreviation

YYYY = 4-digit year of the transmission date

MM = 2-digit month of the transmission date

XML Schema Process

To be determined

Security Issues in Internet Based Motor Fuel Electronic Tax Filing

File Transfer Protocol (FTP)

File Transfer Protocol (FTP) has been a staple of data file transmission since the inception of the Internet. Today FTP plays an important role in government electronic filing applications. FTP remains a popular choice for electronic filing due to its operating system independence, low cost, and ease of implementation. The startup costs for implementing FTP data exchange between government entities and trading partners are relatively low and the process is well documented.

Most computer operating systems contain built-in FTP functionality that programmers can utilize to develop scripted data file transfers. Additionally, the availability of free and commercial software to support managed FTP sessions simplifies data transfer allowing it to become a common clerical task. Once the trading partner relationship is established and account and directory configuration is completed most data file exchange transactions can be completed using drag-and-drop functionality at the user desktop.

FTP is network independent. This flexibility allows government and business trading partners to leverage the same tools and techniques they use for internal platform data exchange with external customers.

FTP is a common method of moving data internally between corporate and government computing platforms. The ability to use FTP to seamlessly transfer data between operating systems has made it the preferred choice of Information Technology shops. Using batch files, IT organizations have used FTP to create multi-platform job-sets for unattended program execution. The ability to create these programs using the operating systems built-in FTP capabilities generates significant cost-savings for organizations versus having to use commercial data migration programs.

The most common medium for trading partner FTP exchange is via the Internet. This cost-effective connectivity only requires that government entities configure an Internet FTP server and that the trading partner have a connection to the Internet. Trading partner Internet access can be dedicated service or dial-up access through an Internet Service Provider. The bandwidth required for the electronic filing process is largely dictated by the size of the data files sent during the filing process.

Extranet networks also provide an ideal environment for utilizing FTP for the exchange of data. A significant drawback to FTP is that it provides no security during the electronic filing process. Many organizations have implemented encrypted Extranet networks to provide increased security for data exchange using FTP.

The adoption of FTP as a common mechanism for electronic filing has been greatly facilitated by security programs developed to protect data during the transmission process.

FTP transmission over the Internet creates two distinct security concerns for electronic filing applications. The first concern is protecting the data file transmitted during the electronic filing process. The second concern is securing the trading partner login and directory mapping process that occurs prior to transmitting the data file. The common method for protecting data during the transmission process is encrypting the file prior to using FTP to send. Strategies for securing the login process vary from basic password management to establishing secure communications using Secure Socket Layer (SSL) encryption.

Encryption

Encrypting the data prior to transmission has been the established standard for protecting data during electronic filing. When combined with an aggressive strategy of capturing and moving data after transmission, this security has proved effective in protecting trading partner data. The basic strategy is for government organizations and trading partners to exchange encryption keys allowing for the encrypting and decrypting of the data. Once the data is transmitted, the government entity rapidly collects the data and moves it to a secure location. Since the log-in and directory mapping process is performed in clear text over the Internet, quickly moving the data files to a secure location reduces the likelihood that the data file may be retrieved by unauthorized entities. Since the data file is encrypted the value of the compromised data is questionable, but trading partner confidence in the process is improved. Additionally, FTP servers allowing the trading partners to frequently change their passwords also reduces the likelihood that data may be compromised.

For many years PGP (Pretty Good Protection) has been the established standard for encrypting data files prior to transmission using FTP. PGP provides an encryption algorithm that allows trading partners to exchange encryption keys to encrypt and decrypt data files. Established trading partner relationships using PGP to encrypt data remain a viable solution for the protection of valuable government and trading partner data.

To address the concern of account and directory mapping security, the use of SSL and Virtual Private Network (VPN) is gaining in popularity. Products offering SSL FTP are generally available. While providing an additional layer of security, SSL FTP products are more proprietary in nature. Most implementations require the trading partners to use the same product on the server and client platforms. Requiring trading partners to adopt a proprietary software product may represent a significant barrier to electronic filing. Over time, market forces may drive default standards for proprietary security architectures increasing the flexibility offered to government organizations and trading partners for securing FTP transactions.

The security of FTP for electronic filing is benefiting from the investment government organizations and their trading partners are making in Public Key Infrastructure (PKI). As government organizations establish PKI capabilities, trading partners will have a standard set of tools at their disposal to authenticate themselves and protect their data.

Secured Transmission (SSL , HTTPS)

SSL is perhaps the most common way of providing encrypted transmission of data between web browsers and web servers. Built upon private key encryption technology, SSL provides data encryption, server authentication, message integrity, and client authentication for any TCP/IP connection.

Web server certificates have become the de facto standard for organizations to deliver online trust. Web server certificates are used to authenticate the identity of a website to visiting browsers. When a user wants to send confidential information to a web server, the browser will access the server's digital certificate. The certificate containing the web server's public key will be used by the browser to authenticate the identity of the web server (the website) and encrypt information for the server using SSL technology. Since the web server is the only entity with access to its private key, only the server can decrypt the information. This is how the information remains confidential and tamper-proof while in transit across the Internet.

Some organizations use 40-bit encryption but many banks require 128-bit encryption for online banking because 40-bit encryption is considered to be relatively weak. 128-bit encryption is about 309 septillion times (309,485,000,000,000,000,000,000,000) stronger than 40-bit.

Other Benefits:

For the most part, as a developer, implementing SSL is easy. The code remains the same.

All that changes is the web server that you serve your application from. When served from an SSL enabled server and directory, the browser and server will do all the work of encryption, no additional software is required.

The browser will even let the client know that they have moved into a secure transmission mode for you.

Possible Issues:

Users need to be aware that sending secure information (e.g., your credit card information) over an SSL connection does not ensure the integrity of the receiving organization . SSL/HTTPS only guarantees the data is secure while it is being transmitted from the Browser to the Web server or the Web server to the Browser. As an example, if you send credit card information across the internet via HTTPS it will be encrypted. Once it arrives on the server, it is decrypted. If the organization that receives the information saves it in its unencrypted form or makes it available to all their employees, obviously the risks increase.

Because all information going back and forth between the client and server is being put through an encryption process instead of being sent plain, the server and browser take longer to process this data. For this reason, many organizations will use SSL/HTTPS for only the pages that may contain sensitive data, while the other pages use HTTP without encryption for efficiency.

Converting Tax Returns To EDI

This section is designed to give a non-technical view of how electronic tax documents function.

Recommendation Before Starting

Implement Uniformity Standards prior to the conversion to EDI. Check the following to ensure compliance:

- Tax Returns
- Product Codes
- Schedule Types

The Motor Fuel Uniformity Forms Sub-Committee may be contacted for further assistance.

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Introduction

Sending an EDI file can be similarly related to sending paper returns through an express company, such as Fed Ex. As we explore the various layers of the EDI envelopes, a relationship will be correlated to the paper environment.

All EDI transactions contain three distinct envelopes, the ISA – IEA, the GS – GE, and the ST – SE as shown below.

The Envelopes

1. The Outer Envelope (ISA-IEA segments)

The ISA and IEA segments are often referred to as the outer envelope. If you were to relate the ISA and the IEA to a physical item in the paper world, they would be the box that can enclose multiple packages. Such as a FED EX box that could contain several individual packages inside of it. For our example, lets identify the packages as manila envelopes.

ISA Segment

The first layer of an EDI filing is the Interchange Control Header (ISA). The ISA segment indicates the starting of a single transmission. It is always the first segment created in an EDI filing.

It performs the following main functions for the receiver:

- Identifies sender and receiver
- Provides interchange control information *
- Can serve as an electronic signature
- Determines if an acknowledgement is requested
- Identifies the transmission as test or production
- Contains the unique interchange control number

* A key ingredient in successful exchange of electronic documents is the interchange version control number. FTA Motor Fuel Uniformity Electronic Commerce Committee has approved 00403.

IEA Segment

The last layer of an EDI filing is the Interchange Control Trailer (IEA).

The IEA segment indicates the ending of a single transmission. It is always the last segment created in an EDI filing.

It performs the following main functions for the receiver:

- Provides the Functional (like) Groups within the ISA/IEA
- Verifies the interchange control number *

* The IEA verifies the interchange control number in the ISA to ensure that the file is received in its entirety and that the filing has ended.

2. The Group Envelope (GS-GE segments)

The GS and GE segments can be referred to as the group envelope. If you were to relate the GS and the GE to a physical item in the paper world, they would be the manila envelopes that are contained inside the Fed Ex box. Each manila envelope would contain documents of one type in it. Such as, tax returns would be in one manila envelope and mail receipts would be in another manila envelope. Tax returns and mail receipts would not be intermingled in one envelope.

(GS) Segment

The GS segment is the Functional Group Header segment. The GS segment begins what is called a “function group” that consists of all transaction sets of the same type, for example only 813’s.

It provides the following main functions:

- Date and time of electronic file creation
- Sender and Receiver’s code
- Group Control number
- Version release ID *

* FTA Motor Fuel Uniformity Electronic Commerce Committee has approved Version control number 004030.

(GE) Segment

The GE segment is the Functional Group Header Trailer segment. The GE segment indicates the ending of a functional group.

It provides the following main functions:

- Count of transaction sets within this functional group – Allows for verification that all documents sent have been validated as being present.
- Verifies the Group Control number in the GS - This indicates to the translator that the information contained in the functional group is ending.

Think back to our analogy to the paper world, as there can be one or more manila envelopes in one FED EX box, there can also be one or more GS - GE segments within one ISA-IEA segment.

3. The Inner Envelope (ST-SE segments)

The ST and SE segments can be referred to as the inner envelope. If you were to relate the ST and the SE to a physical item in the paper world, they would be the individual envelopes inside of the manila envelopes that are contained inside the Fed Ex box. Like the manila envelopes, the individual envelopes would contain documents of one type in it but would be more specific to only contain documents for the same company. Such as, only tax returns for a specific company would be in one individual envelope.

The ST-SE segments signify the start and end of a single transaction set. A transaction set is an electronic form of a specific document designed for a specific purpose, such as, an 813 (a tax return). Recognized below are the Tax-Related Transaction Sets for Uniformity.

- 813 (Electronic Filing of Tax Return Data)
- 820 (ACH Debit Payment)
- 826 (Tax Information Exchange)
- 997 (Functional Acknowledgement)

ST Segment

The ST segment is the Transaction Set Header segment. It is used to indicate the start of a specific document, such as a tax return.

It provides the following main functions:

- Identifies the transaction set type
- Unique transaction set control number
- Version of implementation guide

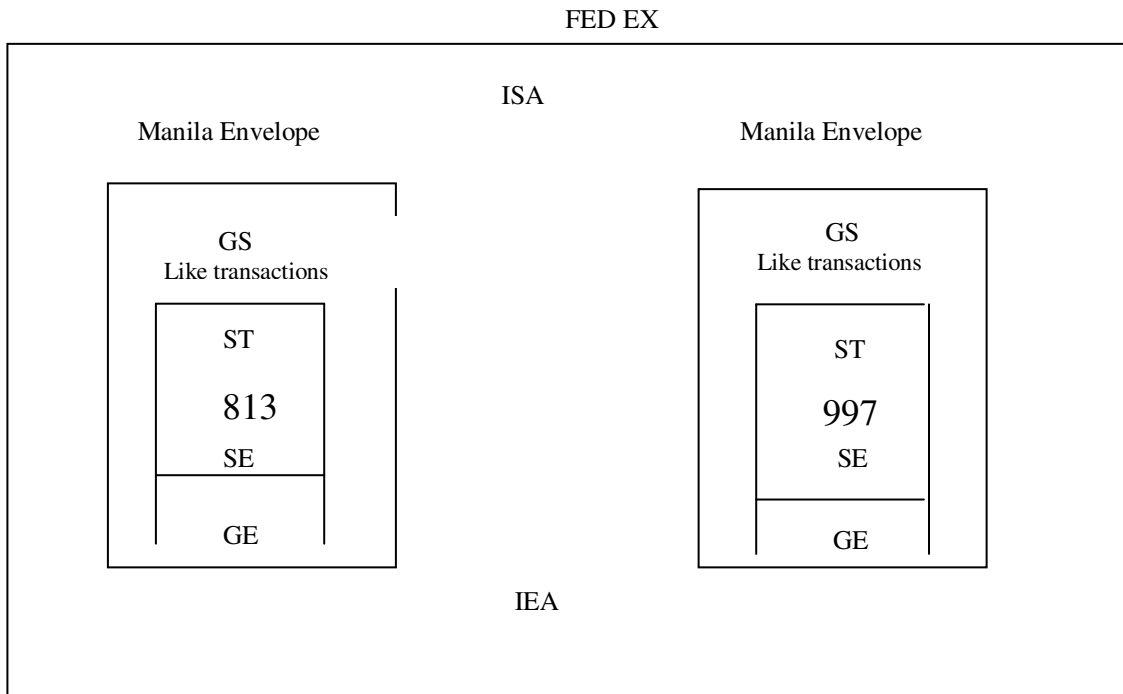
SE Segment

The SE segment is the Transaction Set Trailer segment.

It is used to indicate the end of a specific document, such as a tax return.

It provides the following main functions:

- Identifies the number of segments within the transaction set
- Verifies the unique transaction set control number - This indicates to the receiver that they have received from the taxpayer the whole transaction set.



Above is a diagram representing the similarity of the layers of EDI envelopes as related to the sending paper returns through an express company, such as Fed Ex.

Contained within the inter envelope (ST-SE) is information that is specific to a company’s filing. For purposes of this document, we will only look at the 813 tax return.

813 (Tax Return) Structure

Within the ST-SE transaction set there will be several types of loops. Information is contained within the loops specifying the document being filed and can provide detailed information about the individual taxpayer’s transaction.

Within the 813 as implemented for Motor Fuel, sequence ID numbers are present. They are contained throughout the loops of a specific document. The numbers generally appear in a sequential order. They are used as reference points within a file to communicate the location of a particular segment or field within a file.

The Header portion of the transaction set contains information that would generally be found on the top portion of a tax return. The Header portion is considered to be the uniform EDI ST – N4 segments.

It provides the following main information:

- Tax filing period
- Taxpayer's physical address information
- Contact information
- Taxpayer's mailing address information

In addition to the information generally located on the top portion of a return, the following information can also be located in the Header:

- Total Net Gallons Reported – This is the sum of the net gallons across all schedules in the tax filing
- Payment Order Remittance Advice (BPR segment – Motor Fuel only utilizes this segment for ACH debit remittance).

TFS Loop

Within each ST-SE, following the Header information is the TFS (Tax Form Segment) and FGS (Forms Group Segment) loops. Each loop is a fixed sequence of data elements that can repeat one or more times. The TFS loop, which always begins with the TFS segment, signifies the start of a tax form.

The FGS loop, which always begins with the FGS segment, begins the individual shipments within the TFS loop. The TFS loop for a Motor Fuel 813 can contain one of the following tax form types:

- Report - The Report for Motor Fuel can currently be divided into four types:
 - Terminal Operator Report - TOR
 - Supplier/Distributor Report – SDR
 - Common Carrier Report – CCR
 - Retailer Report – RET
- SUM - Summary
- SCH - Schedule

See below to determine what is contained in each segment.

Report Loop

The report TFS loop contains information that could be found on the face page of a return. Information that could be included is as follows:

- IRS Terminal Control Numbers (TCN) –TOR Report ONLY
- Condition 1
 - No activity Report
 - Sold/Acquired Date – Used if you buy/sell a terminal.
- Condition 2
 - Inventory Date
 - Total due or transported can be reported as a check value
 - Beginning/Ending Inventory/Gains and Losses by Product Code
 - Net Physical Inventory in Gallons (This is a value that is passed not calculated.)

Note: If condition 1 (a no activity report) is filed, then the subsequent data in condition 2 would not be remitted.

Summary Information Loop

The next TFS loop reports summary information. The Summary TFS loop is used in combination with the SDR report, but is not required if there are no transactions to report.

The summary loop would be closely related to the face page of the supplier/distributor return. Generally, the summary information is populated when the information can not be derived from the schedule details. In some cases, a state may require values that can be derived to be transmitted as an additional check. All codes used should be based on FTA Uniformity Standards. Each set of codes can be located in the FTA Uniformity Guide.

Summary TFS/FGS loops contain the following information:

- Summary Code – Identifies the value (ex: taxes/fee) being transmitted
- Product Code – Identifies the product (ex: 065 for gasoline or 167 for special fuels) for which the information is being supplied.
- Transaction Type Mode Code –
 - In the summary segment, this will always equal “CE” (Summary Code).
- TIA (Tax Information and Amount) Code –
 - “5005” – Net
 - “5006” – Billed
 - “5007” – Gross
- TIA Interest
 - “5008”
- TIA Penalty
 - “5009”

The TFS loop repeats when the summary code or product code changes. Such as, the product code changing from Gasoline (065) to Special Fuel (167) would cause the loop to repeat.

The FGS loop repeats when the bill of lading documents number, date, or gallon/liters change.

Each loop can repeat as many times as necessary to relay the needed information.

Schedule TFS Loop

The schedule portion of the EDI file will contain the detailed information about the individual taxpayer’s transaction. The information reported in this loop would be the same information that is reported by transaction on the paper schedules. The information used will vary depending on the type of transaction being reported.

Schedule TFS/FGS loops can contain the following information:

TFS loop

- Schedule type code – Schedules and sub-schedules identify the type of transaction that occurred.
- Product Code – Identifies the product for which the information is being reported.
- Transaction Type Mode Code – In this segment, the code generally identifies the mode of transportation used in the transaction.
 - Codes are available for book adjustments and stationary transfers.
- Point of Origin/Terminal – Three options are available to report this information.
 - Option 1 – IRS TCN
 - Option 2 – Ship from state – used when origin does not have an IRS TCN
 - Option 3 – Origin facility ID
- Seller
- Position Holder
- Exchange Party
- Consignor
- Carrier
- Buyer
- Point of Delivery/Destination – Three options are available to report this information.
 - Option 1 – IRS TCN
 - Option 2 – Ship from state – used when origin does not have an IRS TCN

- Option 3 – Origin facility ID
- FGS loop**
- Bill of Lading number
 - Bill of Lading date
 - TIA Code – to report Gallons/Liters of transaction
 - “5005” – Net
 - “5006” – Billed
 - “5007” – Gross

Each loop can repeat as many times as necessary to relay all transactions that occurred during the reporting period.

The Transaction set will close out with the SE segment described earlier in the document.

Chapter 3 – Migration Strategies

Strategic Migration Document Overview

Description

As mature EC implementation becomes part of day-to-day business activities for state agencies involved with the collection of filing information, there will be a point in time where a taxing authority must migrate to a new EC map(s). It is important to have plans and strategies in place that will allow for new map version implementations.

Mature Installments

Once an agency has created an environment where they are actively collecting tax filing data from a group of trading partners (in this case, motor fuel tax filers) the environment begins to mature over time. The term mature in this sense relates to the activities involved with saturating the number of tax filing entities to meet the targeted population within the tax-filing program. Duties in this environment move away from the initial set up of the program and instead focus on the issues of moving a new filer quickly and efficiently from setup, to testing, to full production. Once a trading partner has been established in the production environment and has been certified by the taxing authority, a trading partner becomes a standard filer without change, as long as there are no new requirements in either the sending or receiving end of the EC software.

Point of Taxation

The volume of trading partners in an EC program at the state level will directly correlate with the point of taxation and the geographic region where the tax entity resides. The largest number of trading partners will predominantly be in states where tax information reporting and payments are required at the distributor level. The state in which taxes are reported/collected at the terminal level will tend to have fewer trading partners.

Decision to Change Map Versions

There are many reasons a taxing authority will change versions of the EC Map for a given tax type.

The strategies for how the actual distribution of software for the sending entities may differ depending on the type of software distribution model used. There are currently at least three models in place from states which practice Motor Fuel EC based Tax Reporting. These three models include:

- The state supplies all software to the Tax Filing entity and replaces the software when there are changes and enhancements.
- The state out-sources with certified third party EC software vendors who work closely with the state to manage any enhancements or changes made on the state end into their currently supported customer base.
- The state supplies specifications for EC software to trading partners, and it is the responsibility of the trading partner to make changes to the software as required by the receiving party.

Minimize Risk to Taxing Authority

It is important to understand that managing the taxing authorities assets are of strategic importance to the taxing authority in both business and technical management. The risk of making changes which are not warranted, justified, essential, and strategically planned is significant. Changes to the map set and movements to new versions of map sets should be well thought out, planned, coordinated, and managed. It is always important to make sure that there, in fact, is a business case for moving to a new version of a map and starting a new certification process for tax filers. Some reasons that would justify new map version migrations are as follows:

New statutory requirements that make a change in the current map mandatory by the State Law of the Taxing Authority.

A strategic alignment with the Federal IRS Motor Fuel Reporting requirements that allows multi-state trading partners, such as business and corporations to standardize on one map version for both reporting of state and federal tax information.

Changing the model for which tax filing EC software is managed or distributed for the state may allow for the right time to strategically align a mature EC filing program with a current release of a state mandated map version.

Moving an organization away from several versions of maps being used to a single new map version that would also align with federal reporting requirements and map sets.

Request, from the Motor Fuel Business Section within the state agency, to align states reporting with the federal reporting map versions of EC reporting. This prevents a trading partner from having to have different versions of the same map programmed to comply with various state and federal reporting requirements.

Minimize Risk to Filers

The motor fuel industry is generally represented in each state by a trade association that is the business customer focus group at the state level for motor fuel tax reporting. It is imperative that business initiatives are coordinated through these associations. If technical changes concerning reporting requirements for motor fuel tax information is necessary, your state trade association needs to participate in the planning and implementation process. The industry is at risk on map conversions if close coordination and planning is not completed.

The motor fuel trading partners should be put in a position to test and file dual tax information in more than one map set for only a short period of time. This is a real concern to trading partners, due to the shortage of resources for technical help to accomplish this task and the requirement for a return on investment of all work done by an organization.

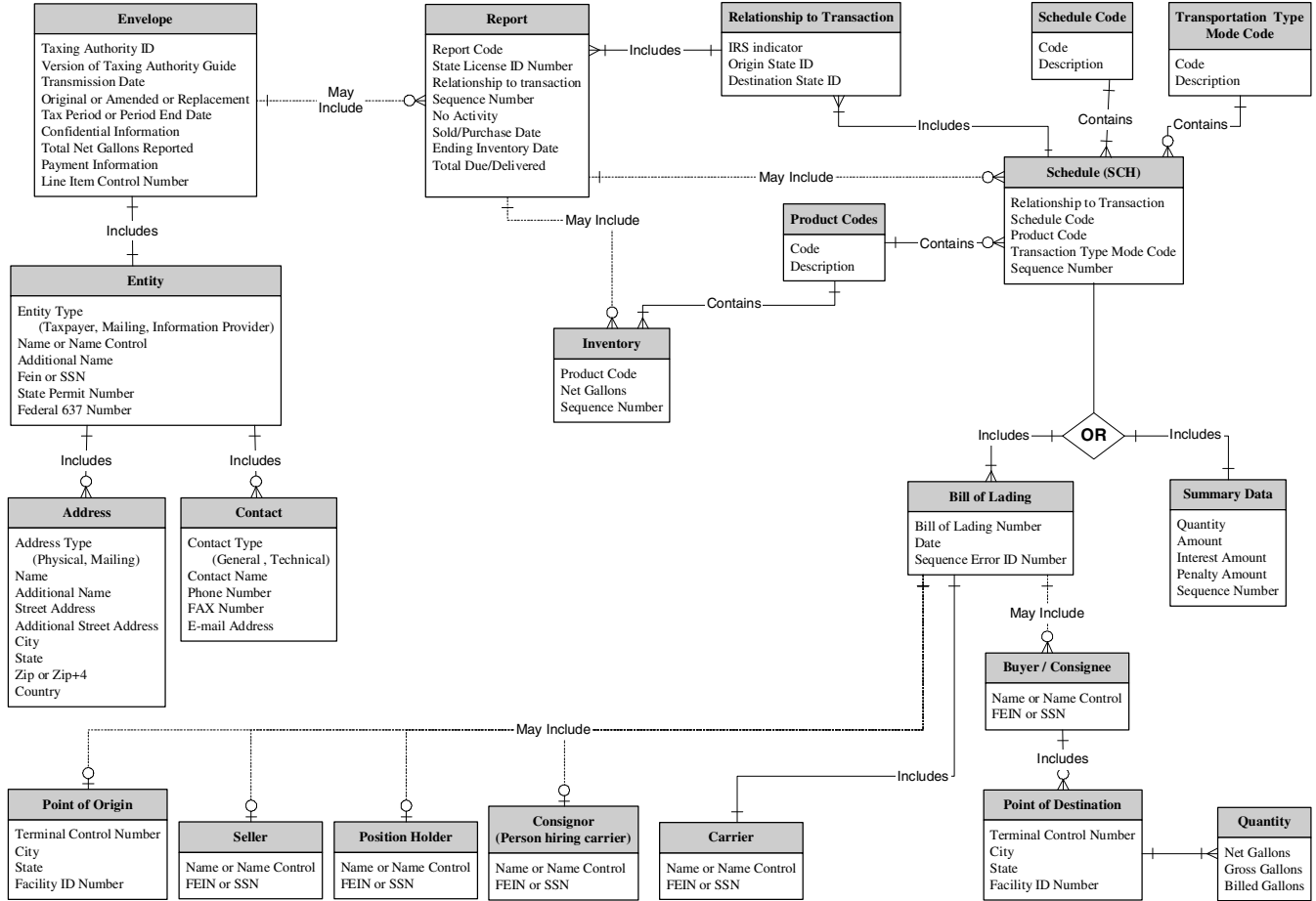
It is also imperative that the migration plan for the industry is well coordinated from the state and industry level. The hope for both industry and the state is that the minimum amount of resources will be needed to quickly certify the trading partner in the new map version.

The way in which a taxing authority distributes the map software plays a key role in how these migrations will be planned and executed.

It is an essential component of any migration strategy or EC Implementation strategy to closely involve the customers and motor fuel associations both with the planning and communication of these activities.

Any new guide should be submitted to the Federation of Tax Administration Motor Fuel Uniformity Electronic Commerce Subcommittee for review before implementation. See Chapter 2 for implementation procedures.

Chapter 4 - Motor Fuels X12 Data Model



Chapter 5 – X12 Attribute and Separator Conventions

Attributes

Attribute	Definition
Data Element Type	<p>Nn – Numeric Numeric type data element is symbolized by the two-position representation (Nn). N indicates a numeric, and n indicates the decimal places to the right of a fixed, implied decimal point. N0 (N Zero) is a numeric with no decimal places.</p> <p>R – Decimal (Real) The decimal point is optional for integer values, but is required for fractional values. For negative values, the leading minus (-) sign is used. Absence of this sign indicates a positive value. The plus (+) sign should not be transmitted.</p> <p>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.</p> <p>AN – String A string (Alphanumeric) is a sequence of any characters from the basic or extended character sets. It must contain at least one nonspace character. The significant characters must be left justified. Leading spaces, if any, are assumed to be significant. Trailing spaces should be suppressed.</p> <p>DT – Date Format for the date type is CCYYMMDD. CC is the century digits of the year (ex. 19, 20). YY is the last two digits of the year (00-99), MM is the numeric value of the month (01-12), and DD for the day (01-31).</p> <p>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).</p>
Requirement Designator	<p>Defines how the data element is used in a segment.</p> <p>M Mandatory data element - This element is required to appear in the segment.</p> <p>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.</p> <p>X Relational data element - Relational conditions may exist between two or more data elements. If one is present the other/s is required. The relational condition is displayed under the Syntax Noted of the X12 Standards.</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>Z – Designator A data element within a segment may have a designator (Z) that indicates the existence of a semantic note. Semantic notes are considered part of the standard. If a condition designator and a semantic note both affect a single data element, the condition will appear first, separated from the semantic note designator by a vertical bar (). The number 00 to the left of the comment identifies semantic notes that are general in nature.</p>

Separator Requirements

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

Chapter 6 – X12 EDI Envelope

Envelope Flows

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

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

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

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

Key:

Not Used

Not used: no data to transmit

Syntax Notes

Note: Notes defined by X12 Standards

FTA Notes

Note: Notes defined by FTA Uniformity

Interchange Control Header Description

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	“00” = No Authorization Information Present (No Meaningful Information In Isa02) “03” = Additional Data Identification
ISA02	I02		M	Authorization Information	AN	10	10	Information used for additional identification or authorization of the interchange sender or the data in the interchange.
ISA03	I03		M	Security Information Qualifier	ID	2	2	“00” = No Security Information Present (No Meaningful Information In ISA 04) “01” = Password
ISA04	I04		M	Security Information	AN	10	10	This is used for identifying the security information about the interchange sender or the data in the interchange.
ISA05	I05		M	Interchange ID Qualifier	ID	2	2	“01” = DUNS Number “32” = Employer’s Identification Number “ZZ” = ID qualifier published by the sender used to designate the sender ID element being qualified.
ISA06	I06		M	Interchange Sender ID	AN	15	15	ID code published by the sender for other parties to use as the receiver ID to route data to them.
ISA07	I05		M	Interchange ID Qualifier	ID	2	2	“01” = DUNS Number “32” = Employer’s Identification Number “ZZ” = ID qualifier published by the receiver used to designate the receiver ID element being qualified.
ISA08	I07		M	Interchange Receiver ID	AN	15	15	ID code published by the receiver for other parties to use as the sender ID to route data to them.
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”
ISA13	I12		M	Interchange Control Number	N0	9	9	The interchange control number uniquely identifies the interchange data to the sender. The sender assigns this number.
ISA14	I13		M	Acknowledgment Requested	ID	1	1	“0” = No Acknowledgment Required “1” = Acknowledgment Required
ISA15	I14		M	Usage Indicator	ID	1	1	“P” = Production Data “T” = Test Data
ISA16	I15		M	Component Sub-Element Separator		1	1	“^” = EBCDIC – 5F HEX ASCII – 5E HEX
ISA~03~T5ZXF54W21~01~TORCCRFIL~ZZ~757654321 ~ZZ~040539587 ~010523~0931~ ~00403~00000001~0~T~^								
Syntax Notes:		None						
FTA Note:		ISA09 does not include the century based on the ANSI ASC X12 Standard.						

Electronic Signature Method:

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

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

Functional Group Header Description

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” for 813 Transaction Set “RA” for 820 Transaction Set “TI” for 826 Transaction Set “FA” for 997 Transaction Set
GS02	142		M	Application Sender’s Code	AN	2	15	Code identifying party sending transmission. Code assigned by sender and agreed to by trading partner.
GS03	124		M	Application Receiver’s Code	AN	2	15	Code identifying party receiving transmission. Code assigned by receiving and agreed to by trading partner.
GS04	373		M/Z	Date	DT	8	8	“CCYYMMDD” = Date
GS05	337		M/Z	Time	TM	4	8	“HHMMSSDD” = Time
GS06	28		M/Z	Group Control Number	N0	1	9	Assigned number originated and maintained by the sender.
GS07	455		M	Responsible Agency Code	ID	1	2	“X” = ASC X12
GS08	480		M	Version/ Release / Industry Identifier Code	AN	1	12	“004030”
GS~TF~Sender ID~Receiver ID~20010523~0931~1101~X~004030\								
Syntax Notes:		None						
FTA Note:		None						

813 Electronic Filing of Tax Return Data – see page 7-29

820 Payment – ACH Debit – see page 7-54

826 Tax Information Exchange – see page 9-89

997 Functional Acknowledgement – see page 10-105

Functional Group Trailer Description

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

Interchange Control Trailer Description

Interchange Segment								(Required)
Element ID	Elem Ref #	Sub-Ele Ref #	Field Status	Field Name	Field Type	Length		Field Description
						Min.	Max.	
IEA01	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 in the trailer must be identical to the same data element in the associated interchange header (ISA13).
IEA~10~00000001\								
Syntax Notes: None								
FTA Note: None								

Chapter 7 - 813 EDI Combined Reporting

ANSI ASC X12 – 813 EDI Standard

RELEASE • 004030

TRANSACTION SET TABLES • 813

813 Electronic Filing of Tax Return Data

FUNCTIONAL GROUP: TF

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

Table 1

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

Table 2

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

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¹ Data Interchange Standards Association, Inc. (DISA)

813 • TRANSACTION SET TABLES

RELEASE • 004030

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

Table 3

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

NOTES

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

² Data Interchange Standards Association, Inc. (DISA)

813 Structure

Table 1

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

Table 2

Pos No	Uniform 813 Map	Report	SUM	SCH
0100	TFS	Report	Summary Information	Schedules
0200	REF	Relationship to the Transaction	Relationship to the Transaction	Relationship to the Transaction
0200	REF	Sequence Number	Sequence Number	Sequence Number
0200	REF	No Activity		
0300	DTM	Sold/Purchase Date		
0300	DTM	Ending Inventory Date		
0500	N1			Point of Origin
0500	N1			Seller Information
0500	N1			Position Holder Information / Delivering Exchange Party
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
0920	TIA	Total Due/Transported		
1000	FGS	Physical Inventory by Product	Summary Data	Bill of Lading
1100	REF	Sequence Number	Sequence Number	Sequence Number
1200	DTM			Bill of Lading Date
1800	TIA	Physical Inventory	Information	Bill of Lading Net
1800	TIA		Interest	Bill of Lading Gross
1800	TIA		Penalty	Bill of Lading Billed

Table 3

Pos No	Uniform 813 Map	Trailer
0100	SE	Transaction Set Trailer

813 Map Flow

- 0100	ST	Transaction Set Header (TS 813)		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	Taxpayer Name Detail		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	Mailing Name Detail		Max 1
0600	N2	Additional Mailing Name Detail		
0800	N3	Mailing Address Detail		
0900	N4	Mailing City, State, Zip Code Detail		
0100	TFS Loop	Report Information		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	Physical Inventory by Product		Max 100,000
1100	REF	Sequence Number		
1800	TIA	Physical Inventory		
0100	TFS Loop	Summary Information		Max 100,000
0200	REF	Relationship to the Transaction information		
0200	REF	Sequence Number		
-1000	FGS Loop	Summary Data		Max 100,000
1100	REF	Sequence Number		
1800	TIA	Information		
1800	TIA	Interest		
1800	TIA	Penalty		
0100	TFS Loop	Schedules		
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	Bill Lading		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	Transaction Set Trailer		

Maximum Number of TFS Loops = 100,000

813 EDI Map

FTA Motor Fuel Tax Section Uniformity Committee

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

Taxing authorities implementing EC are requested to bring their implementation guide to the Electronic Commerce Sub-committee to ensure compliance to the Uniformity standards. Please submit an advance copy to the Electronic Commerce Review Team leader by e-mail.

Historical Summary of Map Changes

The following is intended as a high level historical summary of map changes from V.3040 to V.4030.

- Version 3040
 - Release Date: October, 1993
 - First motor fuel EDI map released
- Version 3050
 - Release date: October, 1994
 - Moved away from form-faithful mapping to logic-driven mapping of motor fuel reports
 - Information should be carried on detail schedules if possible
 - Provided longer field lengths (i.e. name field)
 - Provided a century code for all date fields to handle Y2K
- Version 3060
- Version 3070
 - Added composite elements to mapping
 - Made improvements by adding a sub element century code for Y2K
- Version 3072
 - Initial release of eight digit date field
- Version 4010
 - Release Date: October 1997
 - Released the first Combined Motor Fuel map to carry the Terminal Operator, Supplier, Distributor and Carrier reports in one EDI file
 - Eight digit date field
 - Added Sequence Error ID Number
- Version 4020
 - Repetition Separator in the ISA11
 - Began to see the beginning of repeating elements which occur in V.4030

Historical Summary of Map Changes continued

- Version 4030
 - 813 was released as draft: December 1999
 - 813 and 151 final release date: September 2000
 - 103 differences mainly changes from semantic note to comment
 - N1 loop changed from a maximum of 5 to a maximum of greater than 1
 - Increased size of field lengths
 - TFS loop for Summary Information added
 - TIA segments modified to include both gallons and dollars on same segment
 - Summary schedule added
 - TIA codes reduced and summary codes created
 - 826 and 997 added September 2002
 - 820 Released as draft: September 2002
 - 820 Transaction set adopted September 2003
 - BPR Segment in the 813 transaction set adopted September 2003
 - Update Sequence Error ID Number segment to allow for responses and better definition of error.
 - Add segment to address 2 party exchanges.
 - A segment was added to the Terminal Operator report to show date of sale and purchase of a terminal.
 - Add ability for report codes and state license number.
 - Add the ability to report county codes for point of origin and destination.

Key:

Not Used	Not used: no data to transmit
Syntax Notes	Note: Notes defined by X12 Standards
FTA Notes	Note: Notes defined by FTA Uniformity

Transaction Set Header Description

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

Identify Tax Agency Information Begin Tax Information Segment								(Required) Pos. No. 0200	
Element ID	Elem Ref #	Sub-Ele Ref #	Field Status	Field Name	Field Type	Length		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	Determined by FTA "050" = All Fuels Tax Filings	
BTI03	66		M	ID Code Qualifier	ID	2	2	"47" = Tax Authority	
BTI04	67		M	ID Code	AN	2	20	Determined by Tax Authority Example: Tax Agency Abbreviation; Tax Authority's DUNS number	
BTI05	373		O	Transaction Create Date	DT	8	8	"CCYYMMDD" = Transmission Date	
BTI06	818		O	Name Control ID	AN	4	4	First 4 positions of Taxpayer's Legal Business Name. If business name is less than 4 characters, left justify name control and pad with "*".	
BTI07	66		X	ID Code Qualifier	ID	2	2	"24" = FEIN Federal Employer Identification Number "34" = Social Security Number "50" = BN – Canadian Business Number	
BTI08	67		X	ID Code	AN	9	18	Taxpayer's FEIN or SSN or BN	
BTI09	66		X	ID Code Qualifier	ID	2	2	"49" = State (assigned) Identification Number	
BTI10	67		X	ID Code	AN	2	20	License or Permit Number	
BTI11	66		X	ID Code Qualifier	ID	2	2	"48" = IRS Electronic Filer ID Number "SV" = Software Provider Number	
BTI12	67		X	ID Code	AN	9	18	637 Permit Number or State Assigned Software Provider Number	
BTI13	353		O	Transaction Set Purpose Code	ID	2	2	Original Filing Options: "00" = Original "05" = Replace "15" = Resubmission	
BTI14	640		O	Transaction Type Code	ID	2	2	Amended Filing Options: "6R" = Resubmission "6S" = Supplemental "CO" = Corrected	
BTI-T6-050-47-Tax Authority Code-20010523-ABCD-24-51699988-49-123456~~~00\									
Syntax Notes:		If either BTI07 or BTI08 is present, then the other is required.							

If either BTI09 or BTI10 is present, then the other is required.
 If either BTI11 or BTI12 is present, then the other is required.

FTA Notes:

BTI07 must be the FEIN if the taxpayer has one. Submit a SSN only for sole proprietorships that have not been issued a FEIN. In Canada, companies use a BN – Canadian Business Number.

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.

Element	Application
BTI13 [Initial Return]	
“00” = Original	Use “Original” when first attempt to transmit your return to the department, no matter if the Department receives your return.
“05” = Replace	Use “Replace” when first attempt of transmitted return had corrupted data.
“15” = Resubmission	Use “Resubmission” when the Department did not receive first attempt of your transmitted return.
BTI14 [Amended Return]	
“CO” = Corrected	Use “Corrected” when adjusting or correcting original or amended return.
“6R” = Resubmission	Use “Resubmission” when first attempt to transmit amended return was not received by the Department.
“6S” = Supplemental	Use “Supplemental” when transmitting new or additional data not included in original or amended return.

Tax Filing Period Date/Time Reference Segment (Required) Pos. No. 0300

Element ID	Elem Ref #	Sub-Ele Ref #	Field Status	Field Name	Field Type	Length		Field Description
						Min	Max	
DTM01	374		M	Date/Time Qualifier	ID	3	3	“194” = Tax Period End Date “683” = Filing Period
DTM02	373		X	Date	DT	8	8	“CCYYMMDD” = Tax Filing Period End
DTM03 and DTM04 are not used.								
DTM05	1250		X	Date Time Period Format Qualifier	ID	3	3	“RD8” = Range of Dates
DTM06	1251		X	Date Time Period	AN	17	17	“CCYYMMDD-CCYYMMDD” = Tax Filing Period Beginning and Ending Dates.

DTM~194~20010525\ or DTM~683~RD8~20010426-20010525\

Syntax Notes: At least one of DTM02 or DTM05 is required.
 If either DTM05 or DTM06 is present, then the other is required.

FTA Notes: If qualifier “194” is used in DTM01, then DTM05 and DTM06 are not used.
 If qualifier “683” is used in DTM01, then DTM02 is not used.

Confidential Data Tax Information and Amount Segment (Required) 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
TIA02 is not used.								
TIA03	449		X	Fixed Format Information	AN	1	5	User defined: Example: “6103” = IRS 6103C Tax data.

TIA~5010~~6103\

Syntax Notes: TIA03 is required.

FTA Notes: This segment is used only between the states and the IRS

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	
TIA02 and TIA03 are not used.									
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	
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.									

Line Item Control Number Reference Number Segment									Pos. No. 0430
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 filling 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) Pos. No. 0470	
Beginning Segment									
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		O	Originating Company Identifier	AN	10	10	State ID Example: Taxing Authority’s DUNS Number	
BPR11	510		O	Originating Company Supplemental Code	O	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 Accounted 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								Pos. No. 0500	
Name Segment									
Element ID	Elem Ref #	Sub-Ele Ref #	Field Status	Field Name	Field Type	Length		Field Description	
						Min	Max		
N101	98		M	Entity Identification Code	ID	2	2	“TP” = Primary Taxpayer “L9” = Information Provider	
N102	93		X	Name	AN	1	35	Taxpayer Name	
N1~TP~ABC Distributing\									
Syntax Notes: N102 is required.									
FTA Note: N101: Use “TP” for tax reporting or “L9” for information reporting.									

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

Address Detail									
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	
N3~123 C Street~PO Box 222\									
Syntax Notes: None									
FTA Note: None									

City, State, Zip Code Detail									
Location Geographic Segment									Pos. No. 0900
Element ID	Elem Ref #	Sub-Ele Ref #	Field Status	Field Name	Field Type	Length		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 = USA)	
N4~Billings~MT~59401-2222~USA\									
Syntax Notes: None									
FTA Note: None									

General Contact Person									
Administrative Communications Contact Segment									Pos. No. 1000
Element ID	Elem Ref #	Sub-Ele Ref #	Field Status	Field Name	Field Type	Length		Field Description	
						Min	Max		
PER01	366		M	Contact Function Code	ID	2	2	Contact Type Code: "CN" = General Contact	
PER02	93		O	Name	AN	1	35	Contact Name	
PER03	365		X	Communications Number Qualifier	ID	2	2	"TE" = Telephone Number	
PER04	364		X	Communications Number	AN	10	14	Voice Telephone Number	
PER05	365		X	Communications Number Qualifier	ID	2	2	"FX" = FAX Number	
PER06	364		X	Communications Number	AN	10	10	FAX Telephone Number	
PER07	365		X	Communications Number Qualifier	ID	2	2	"EM" = Electronic Mail	
PER08	364		X	Communications Number	AN	1	80	E-mail Address	
PER~CN~Allen Smith~TE~4069959988~FX~4069950329~EM~asmith@abc.com\									
Syntax Notes: If either PER03 or PER04 is present, then the other is required. If either PER05 or PER06 is present, then the other is required. If either PER07 or PER08 is present, then the other is required.									
FTA Note: None									

EDI Contact Person								
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	Contact Type Code: "EA" = EDI Coordinator
PER02	93		O	Name	AN	1	35	Contact Name
PER03	365		X	Communications Number Qualifier	ID	2	2	"TE" = Telephone Number
PER04	364		X	Communications Number	AN	10	14	Voice Telephone Number
PER05	365		X	Communications Number Qualifier	ID	2	2	"FX" = FAX Number
PER06	364		X	Communications Number	AN	10	10	FAX Telephone Number
PER07	365		X	Communications Number Qualifier	ID	2	2	"EM" = Electronic Mail
PER08	364		X	Communications Number	AN	1	80	E-mail Address
PER-EA~Bob Smith~TE~4069958877~FX4069950329~EM~bsmith@abc.com\								
Syntax Notes: If either PER03 or PER04 is present, then the other is required. If either PER05 or PER06 is present, then the other is required. If either PER07 or PER08 is present, then the other is required.								
FTA Note: None								

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

Mailing Name Detail								
Name Segment								Pos. No. 0500
Element ID	Elem Ref #	Sub-Ele Ref #	Field Status	Field Name	Field Type	Length		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
N1~31~ABC Company\								
Syntax Notes: N102 is required.								
FTA Note: None								

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

Mailing Address Detail								
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
N3~123 C Street~PO Box 222\								
Syntax Notes: None								
FTA Note: None								

Mailing City, State, Zip Code Detail								
Location Geographic Segment								Pos. No. 0900
Element ID	Elem Ref #	Sub-Ele Ref #	Field Status	Field Name	Field Type	Length		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 = USA)
N4~Billings~MT~59401-2222~US\								
Syntax Notes: None								
FTA Note: None								

End of Transaction Set Header

Transaction Set – Report Information

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

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

Beginning of Report								
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	“T2” = Tax Form Code
TFS02	127		M	Reference Identification	AN	1	6	Report Code (See Appendix on page I-143)
TFS03 and TFS04 Are not used								
TFS05	66		X	ID Code Qualifier	ID	2	2	“TC” = IRS Terminal Code
TFS06	67		X	ID Code	AN	9	9	IRS Terminal Control Number (TCN)
TFS~T2~TOR~~TC~T81MT4007\								
Syntax Notes: If either TFS05 or TFS06 is present, then the other is required.								
FTA Note: TFS05 and TFS06 are only used on a terminal report.								

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	20	Sequence Number	
REF03	352		X	Description	AN	1	5	Error Response Code (See Appendix on page H-141)	
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.									

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

No Activity Reference Number Segment									(Conditional) 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	
REF~BE~1\									
Syntax Notes: REF02 is required.									
FTA Note: If an account has no activity, this segment is required.									

Sold/Acquired Date Date/Time Reference Segment									(Conditional) 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	“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 an account has activity, at least the TIA (Total Due/Delivered) is required. The Condition 1 REF is not used. The FGS loop contains inventory information. The FGS loop is repeated when the product code value changes.

Ending Inventory Date Date/Time Reference Segment									(Conditional) 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	“184” = Inventory Date	
DTM02	373		X	Date	DT	8	8	“CCYYMMDD”	
DTM~184~20010520\									
Syntax Notes: DTM02 is required.									
FTA Note: None									

Total Due/Transported Tax Information and amount Segment									(Conditional) Pos. No. 0920	
Element ID	Elem Ref. #	Sub-Ele Ref. #	Field Status	Field Name	Field Type	Length		Field Description		
						Min	Max			
TIA01	C037	817	M	Tax Information ID Number	AN	4	4	“5003” = Total Due “5004” = Total Net Transported		
TIA02	782		X	Monetary Amount	R	1	15	Dollar Amount		
TIA03 is not used.										
TIA04	380		X	Quantity	R	1	15	Quantity		
TIA05	C001	355	M	Unit of Measurement Code	ID	2	2	“GA” = Gallons “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		Field Description		
						Min	Max			
FGS01	350		M	Assigned Identification	AN	2	2	“BI” = Beginning Inventory (First Filing) “EI” = Ending Inventory “GL” = Gains and Losses		
FGS02	128		X	Reference Identification Qualifier	ID	2	2	“PG” = Product Group		
FGS03	127		X	Reference Identification	AN	3	3	Product Code See Appendix on page C-125		
FGS-EI-PG-065\										
Syntax Notes: If either FGS02 or FGS03 is present, then the other is required.										
FTA Note: 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		Field Description		
						Min	Max			
REF01	128		M	Reference Identification Qualifier	ID	2	2	“55” = Sequence Number		
REF02	127		X	Reference Identification	AN	1	20	Sequence Number		
REF03	352		X	Description	AN	1	5	Error Response Code (See Appendix on page H-141)		
REF-55-0001234\										
Syntax Notes: This segment is used to identify information for error processing. This segment can be generated by the filer when first filling to assist in identifying information or when responding to an error reported. At least one of REF02 or REF03 is required.										
FTA 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		Field Description		
						Min	Max			
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 “LT” = Liters		
TIA~5002~~~10000~GA\										
Syntax Notes: TIA04 is required. If TIA05 is present, then TIA04 is required.										
FTA Note: 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 (detail)

Summary Information

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

Summary information is used when the information can not be derived from the schedule details. This TFS loop repeats when one of the following values change: TFS02 Summary Code, TFS04 Product Code TFS06.

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

Beginning of Summary Information								Pos. No. 0100	
Tax Form Segment									
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	TFS02 Summary Code See schedule code list in Appendix on page D-129	
TFS03	128		X	Reference Identification Qualifier	ID	2	2	“PG” = Product Group	
TFS04	127		X	Reference Identification	AN	3	3	Product Code See Product Codes in Appendix on page C-125	
TFS05	128		M	Reference Identification Qualifier	ID	2	2	“T2” = Tax Form Code “94” = Mode	
TFS06	127		M	Reference Identification	AN	1	6	Report Code (See Appendix on page I-143) or “CE” = Mode	
TFS~T3~S02C~PG~228~T2~SDR\									
Syntax Notes: If either TFS03 or TFS04 is present, then the other is required. If either TFS05 or TFS06 is present, then the other is required.									
FTA Notes: TFS02 references the report the summary is associated with. If TFS05 = “94” then TFS06 = “CE”. IF TFS05 = “T2” then TFS06 = Report Code (See Appendix on page I-143)									

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-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	20	Sequence Number	
REF03	352		X	Description	AN	1	5	Error Response Code (See Appendix on page H-141)	
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 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	“S” = Schedule Summary	
FGS-S\									
Syntax Notes: None									
FTA Notes: None									

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	20	Sequence Number	
REF03	352		X	Description	AN	1	5	Error Response Code (See Appendix on page H-141)	
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.									

Information Tax Information and Amount Segment									Pos. No. 1800
Element ID	Elem Ref #	Sub-Ele Ref #	Field Status	Field Name	Field Type	Length		Field Description	
						Min	Max		
TIA01	C037	817	M	Tax Information ID Number	AN	4	4	TIA Code See Appendix on page D-129	
TIA02	782		X	Monetary Amount	R	1	15	Dollar Amount	
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	
TIA-5006~~~25000~GA\									
Syntax Notes: At least one of TIA02 or TIA04 is required. If TIA05 is present, then TIA04 is required.									
FTA Notes: None									

Interest								
Tax Information and Amount Segment								Pos. No. 1800
Element ID	Elem Ref. #	Sub-Ele Ref. #	Field Status	Field Name	Field Type	Length		Field Description
						Min	Max	
TIA01	C037	817	M	Tax Information ID Number	AN	4	4	“5008” = Interest
TIA02	782		X	Monetary Amount	R	1	15	Dollar Amount
TIA~5008~500\								
Syntax Notes: TIA02 is required.								
FTA Notes: None								

Penalty								
Tax Information and Amount Segment								Pos. No. 1800
Element ID	Elem Ref. #	Sub-Ele Ref. #	Field Status	Field Name	Field Type	Length		Field Description
						Min	Max	
TIA01	C037	817	M	Tax Information ID Number	AN	4	4	“5009” = Penalty
TIA02	782		X	Monetary Amount	R	1	15	Dollar Amount
TIA~5009~200\								
Syntax Notes: TIA02 is required.								
FTA Notes: None								

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

Schedules

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

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

Beginning of Schedules								
Tax Form Segment								Pos. No. 0100
Element ID	Elem Ref. #	Sub-Ele Ref. #	Field Status	Field Name	Field Type	Length		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 in Appendix on page B-121
TFS03	128		X	Reference Identification Qualifier	ID	2	2	“PG” = Product Group
TFS04	127		X	Reference Identification	AN	3	3	Product Code See Product Codes in Appendix on page C-125
TFS05	66		X	Identification Code Qualifier	ID	2	2	“94” = Mode
TFS06	67		X	Identification Code	AN	2	2	Transaction Type Mode Code See Code List in Appendix on page E-135
TFS~T3~2~PG~065~94~J\								
Syntax Notes: If either TFS03 or TFS04 is present, then the other is required. If either TFS05 or TFS06 is present, then the other is required.								
FTA Notes: None.								

Relationship to the Transaction Information								
Reference Segment								Pos. No. 0200
Element ID	Elem Ref. #	Sub-Ele Ref. #	Field Status	Field Name	Field Type	Length		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	20	Sequence Number
REF03	352		X	Description	AN	1	5	Error Response Code Code (See Appendix on page H-141)
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.								

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

Use Option 1 when the origin has an IRS TCN.

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

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

Option 1

Point of Origin								
Name Segment 1								(One of the three options is used) Pos. No. 0500
Element ID	Elem Ref. #	Sub-Ele Ref. #	Field Status	Field Name	Field Type	Length		Field Description
						Min	Max	
N101	98		M	Entity Identification Code	ID	2	2	“OT” = Origin Terminal
N102 is not used.								
N103	66		X	Identification Code Qualifier	ID	2	2	“TC” = IRS Terminal Code
N104	67		X	Identification Code	AN	9	9	IRS Terminal Code (Code list is located at www.irs.gov/businesses/page/0,,id=6964,00.html)
N1~OT~~TC~T81MT4007\								
Syntax Notes: N103 and N104 are required.								
FTA Notes: None								

Option 2

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

Point of Origin Name Segment 1									Pos. No. 0500
Element ID	Elem Ref. #	Sub-Ele Ref. #	Field Status	Field Name	Field Type	Length		Field Description	
						Min	Max		
N401	19		O	City Name	AN	2	30	Name of City	
N402	156		O	State or Province Code	ID	2	2	State or Province 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	
N4~Billings~MT~59401\									
Syntax Notes: None									
FTA Notes: N404 through N406 are optional. N406 is based on the federal county codes (see: http://www.itl.nist.gov/fipspubs/co-codes/states.htm) N405 and N406 are not in the IRS 4030 map.									

Option 3

Point of Origin Name Segment 1									(One of the three options is used) Pos. No. 0500
Element ID	Elem Ref. #	Sub-Ele Ref. #	Field Status	Field Name	Field Type	Length		Field Description	
						Min	Max		
N101	98		M	Entity Identification Code	ID	2	2	“WO” = Storage Facility at Origin	
N102 is not used.									
N103	66		X	Identification Code Qualifier	ID	2	2	“FA” = Facility Identification	
N104	67		X	Identification Code	AN	2	20	Facility/License Number	
N1~WO~~FA~123456\									
Syntax Notes: N103 and N104 are required.									
FTA Notes: None									

Seller Information Name Segment 2									Pos. No. 0500
Element ID	Elem Ref. #	Sub-Ele Ref. #	Field Status	Field Name	Field Type	Length		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 or Name Control (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	
N104	67		X	Identification Code	AN	9	18	Seller’s FEIN or SSN or BN	
N1~SE~Fuel Inc~24~516669999\									
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: N102, N103 and N104 are required.									

Position Holder Information or Delivering Exchange Party Information								
Name Segment 3								Pos. No. 0500
Element ID	Elem Ref. #	Sub-Ele Ref. #	Field Status	Field Name	Field Type	Length		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 “50” = BN – Canadian Business Number “FI” = Federal Taxpayer 637 ID Number
N104	67		X	Identification Code	AN	9	18	Position Holder’s FEIN or SSN or Bnor 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 position holder or 2-party exchange information this segment is required. For 2-party exchanges this segment defines the party of origin. N102, N103 and N104 are required.								

Receiving Exchange Party Information								
Name Segment 4								Pos. No. 0500
Element ID	Elem Ref. #	Sub-Ele Ref. #	Field Status	Field Name	Field Type	Length		Field Description
						Min	Max	
N101	98		M	Entity Identification Code	ID	2	2	“EC” = Exchanger
N102	93		X	Name	AN	1	35	Exchange Party Name 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)								
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 or Name Control (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
N104	67		X	Identification Code	AN	9	18	Consignor’s (Person Hiring the Carrier) FEIN or SSN or BN
N1~CI~ABC Distributing~24~516777777\								
Syntax Notes: At least one of N102 or N103 is required. If either N103 or N104 is present, then the other is required.								
FTA Notes: N102, N103 and N104 are required.								

Carrier Information								
Name Segment 6								Pos. No. 0500
Element ID	Elem Ref. #	Sub-Ele Ref. #	Field Status	Field Name	Field Type	Length		Field Description
						Min	Max	
N101	98		M	Entity Identification Code	ID	2	2	“CA” = Carrier Name
N102	93		X	Name	AN	1	35	Carrier Name or Name Control (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
N104	67		X	Identification Code	AN	9	18	Carrier’s FEIN or SSN or BN
N1~CA~ABC Trucking~24~51666666\								
Syntax Notes: At least one of N102 or N103 is required. If either N103 or N104 is present, then the other is required.								
FTA Notes: N102, N103 and N104 are required.								

Buyer/Consignee Information								
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 or Name Control (First 4 positions of buyer’s business name)
N103	66		X	Identification Code Qualifier	ID	2	2	“24” = FEIN “34” = SSN “50” = BN – Canadian Business Number
N104	67		X	Identification Code	AN	9	18	Purchaser’s FEIN or SSN or BN
N1~Joe Gas Station~24~51722222\								
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: N102, N103 and N104 are required.								

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

- Use Option 1 when the destination has an IRS TCN.
- Use Option 2 when the destination does not have an IRS TCN.
- Use Option 3 when the state requires a destination facility ID (currently used by the state of Florida).

Option 1

Point of Destination								
Name Segment 8								(One of the three options is used) Pos. No. 0500
Element ID	Elem Ref. #	Sub-Ele Ref. #	Field Status	Field Name	Field Type	Length		Field Description
						Min	Max	
N101	98		M	Entity Identification Code	ID	2	2	“DT” = Destination Terminal
N102 is not used.								
N103	66		X	Identification Code Qualifier	ID	2	2	“TC” = IRS Terminal Code
N104	67		X	Identification Code	AN	9	9	IRS Terminal Code (Code list is located at www.irs.gov/businesses/page/0,,id=6964,00.html)
N1~DT~~TC~T81MT400\								
Syntax Notes: N103 and N104 are required.								
FTA Notes: None								

Option 2

Point of Destination Name Segment 8						(One of the three options is used) Pos. No. 0500		
Element ID	Elem Ref. #	Sub-Ele Ref. #	Field Status	Field Name	Field Type	Length		Field Description
						Min	Max	
N101	98		M	Entity Identification Code	ID	2	2	“ST” = Ship To
N102	93		X	Name	AN	2	2	Destination State Abbreviation
N1-ST-ID\								
Syntax Notes: N102 is required.								
FTA Notes: None								

Point of Destination Name Segment 8						Pos. No. 0500		
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	1	2	“CY” = County
N406	310		O	Location Identifier	AN	1	5	County
N4-Boise-ID~65079\								
Syntax Notes: None								
FTA Notes: N404 through N406 are optional. N406 is based on the federal county codes (see: http://www.itl.nist.gov/fipspubs/co-codes/states.htm) N405 and N406 are not in the IRS 4030 map.								

Option 3

Point of Destination Name Segment 8						(One of the three options is used) Pos. No. 0500		
Element ID	Elem Ref. #	Sub-Ele Ref. #	Field Status	Field Name	Field Type	Length		Field Description
						Min	Max	
N101	98		M	Entity Identification Code	ID	2	2	“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 individual shipments within the TFS loop. It is repeated when one of the following values changes:

- Bill of Lading (Document) Number
- Bill of Lading Date (Date Shipped)
- Gallons/Liters.

Bill of Lading Forms Group Segment						Pos. No. 1000		
Element ID	Elem Ref. #	Sub-Ele Ref. #	Field Status	Field Name	Field Type	Length		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
FGS-D-BM~00123456\								
Syntax Notes: If either FGS02 or FGS03 is present, then the other is required.								
FTA Notes: None								

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	20	Sequence Number	
REF03	352		X	Description	AN	1	5	Error Response Code Code (See Appendix on page H-141)	
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 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.									

Bill of Lading Date Date/Time Reference Segment								Pos. No. 1200	
Element ID	Elem Ref. #	Sub-Ele Ref. #	Field Status	Field Name	Field Type	Length		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)	
DTM~095~20010505\									
Syntax Notes: DTM02 is required.									
FTA Notes: None									

Bill of Lading Net Tax Information and Amount Segment								Pos. No. 1800	
Element ID	Elem Ref. #	Sub-Ele Ref. #	Field Status	Field Name	Field Type	Length		Field Description	
						Min	Max		
TIA01	C037	817	M	Tax Information ID Number	AN	4	4	“5005” = Net	
TIA02 and TIA03 are not used.									
TIA04	380		X	Quantity	R	1	15	Quantity	
TIA05	C001	355	M	Unit of Measurement Code	ID	2	2	“GA” = Gallons “LT” = Liters	
TIA~5005~~~8000~GA\									
Syntax Notes: TIA04 and TIA05 are required.									
FTA Notes: Numbers should be reported in whole gallons for both disbursements and receipts.									

Bill of Lading Gross Tax Information and Amount Segment								Pos. No. 1800	
Element ID	Elem Ref. #	Sub-Ele Ref. #	Field Status	Field Name	Field Type	Length		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	
TIA~5006~~~8000~GA\									
Syntax Notes: TIA04 and TIA05 are required.									
FTA Notes: Numbers should be reported in whole gallons for both disbursements and receipts.									

Bill of Lading Billed									Pos. No. 1800	
Tax Information and Amount Segment										
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		
TIA~5007~~~8000~GA\										
Syntax Notes: TIA04 and TIA05 are required.										
FTA Notes: Numbers should be reported in whole gallons for both disbursements and receipts.										

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

Transaction Set Trailer Description

End of Transaction Set									(Required)	
Trailer Segment									Pos. No. 0100	
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)		
SE~156~10001\										
Syntax Notes: None										
FTA Notes: None										
End of Transaction Set										

EDI to Paper Comparison

Information calculated by State system
Header Information section of FTA EDI X.12 813 Map
Report Information section of FTA EDI X.12 Map
Schedules section of FTA EDI X.12 813 Map

Schedule 15A - Terminal Operator Schedule of Receipts

Company Name: ABC Oil Company	License Number: D123456	FEIN: 987654321	Schedule Type: 15A	Tax Period CCYYMMDD: 20050131
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See Name Detail Name Segment. Specifically the N102 element.	This information is mapped to the Identify Tax Agency Information Begin Tax Information Segment. Specifically to the BTI10 element.	This information is mapped to the Identify Tax Agency Information Begin Tax Information Segment. Specifically to the BTI08 element.	This information is mapped to the Beginning of Schedule Tax Form Segment. Specifically to the TFS02 element. See item bolded in the detail records below:	This information is mapped to the Tax Filing Period Date/Time Reference Segment. Specifically to the DTM02 element.
---	--	--	--	--

Terminal Code Number: T99XX9991	Product Type (Circle One) This information is mapped to the Beginning of Schedule Tax Form Segment. Specifically to the TFS04 element. See item bolded in the detail records below: TFS~T3~15A~PG~ 167 ~94~J \
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This information is mapped to the Report Information Tax Form Segment. Specifically to the TFS06 element.	065 Gasoline	130 Jet Fuel	226 High Sulfur Diesel Fuel-Dyed
	124 Gasohol	161 Low Sulfur Diesel #1	227 Low Sulfur Diesel Fuel-Dyed
	125 Aviation Gasoline	167 Low Sulfur Diesel #2	___ Other (See Product Code List)

(1) Carrier Name	(2) Carrier FEIN	(3) Mode	(4) Position Holder	(5) Position Holder's FEIN	(6) Date Received	(7) Document Number	(8) Net Gallons
XYZ Carrier Co	234567890	J	J Doe Oil	456789012	01/5/05	999991	8,105
ABC Carrier Inc	345678901	B	J Doe Oil	456789012	01/15/05	999992	8,099
Total:							16,204

See the following pages for details on mapping between paper and EDI.

(1) Carrier Name	(2) Carrier FEIN	(3) Mode	(4) Position Holder	(5) Position Holder's FEIN	(6) Date Received	(7) Document Number	(8) Net Gallons
(1) Carrier Name: This information is mapped to the <i>Carrier Information</i> Name Segment. Specifically to the N102 element. See item bolded in the following detail record: N1~CA~ XYZ Carrier Co ~24~234567890\							
(2) Carrier FEIN: This information is mapped to the <i>Carrier Information</i> Name Segment. Specifically to the N104 element. See item bolded in the following detail record: N1~CA~XYZ Carrier Co~24~ 234567890 \							
(3) Mode: This information is mapped to the <i>Beginning of Schedule</i> Tax Form Segment. Specifically to the TFS06 element. See item bolded in the following detail record: TFS~T3~15A~PG~167~94~J\							
(4) Position Holder: This information is mapped to the <i>Position Holder Information</i> Name Segment. Specifically to the N102 element. See item bolded in the following detail record: N1~SE~ J Doe Oil ~24~456789012\							
(5) Position Holder's FEIN: This information is mapped to the <i>Position Holder Information</i> Name Segment. Specifically to the N104 element. See item bolded in the following detail record: N1~SE~J Doe Oil~24~ 456789012 \							
(6) Date Received: This information is mapped to the <i>Bill of Lading Date</i> Date/Time Reference Segment. Specifically to the DTM02 element. See item bolded in the following detail record: DTM~095~ 20050105 \							
(7) Document Number: This information is mapped to the <i>Bill of Lading</i> Forms Group Segment. Specifically to the FGS03 element. See item bolded in the following detail record: FGS~D~BM~ 999991 \							
(8) Net Gallons: This information is mapped to the <i>Bill of Lading Net</i> Tax Information and Amount Segment. Specifically to the TIA04 element. See item bolded in the following detail record: TIA~5005~~~ 8105 ~GA\							

Information maintained in or calculated by State system
Header Information section of FTA EDI X.12 Map
Report Information section of FTA EDI X.12 Map
Summary Information section of FTA EDI X.12 Map
Schedules section of FTA EDI X.12 Map
Trading Partner Agreement

Common and Contract Petroleum Products Carrier Report State of XXXXXXXXXXXXXXXX

Month of: (CCYYMMDD)	20050131
This information is mapped to the Tax Filing Period Date/Time Reference Segment. Specifically to the DTM02 element. See item bolded in the detail records below:	
DTM~194~ 20050131 \	

Name:			XYZ Carrier Company		
See Name Detail Name Segment. Specifically the N102 element. See item bolded in the detail records below:					
N1~TP~ XYZ Carrier Company \					
Address 1:		FEIN:			
123 Oil Drive		987654321			
This information is mapped to the Identify Tax Agency Information Begin Tax Information Segment. Specifically to the BTI08 element. See item bolded in the detail records below:					
BTI~T6~050~47~129999999~20010523~ABC*~24~ 987654321 ~49~D123456~~~00\					
Address 2:		License Number:			
		D123456			
City:	State:	Zip Code:	This information is mapped to the Identify Tax Agency Information Begin Tax Information Segment. Specifically to the BTI10 element. See item bolded in the detail records below:		
Anytown USA	XX	55555-5555	BTI~T6~050~47~129999999~20010523~ABC*~24~987654321~49~ D123456 ~~~00\		

	Schedule	Net Gallons
1. Total of all deliveries of fuels from in-state locations outside the state (exports)	14A	
2. Total of all deliveries of fuel from out-of-state locations to inside the state (imports)	14B	16,204
3. Total of all deliveries of fuel between points in the state (intrastate)	14C	
4. Total gallons of petroleum product transported (total of lines 1 through 3)		16,204

CERTIFICATION

I certify that I have read this report and all supporting documents; and know and understand their contents and that all information on both the report and supporting documents is true and accurate, and complete.

Authorized Representative's Name *(please print)*

John J Doe

Title

Owner

Authorized Representative's Signature

John J Doe

Date

4/15/2005

Telephone Number

(101) 999-2222

Fax Number

(101) 999-2223

e-mail Address

jjdoe@abcoil.com

Information calculated by State system
Header Information section of FTA EDI X.12 813 Map
Report Information section of FTA EDI X.12 Map
Schedules section of FTA EDI X.12 813 Map

Schedule 14A, 14B, or 14C – Carrier Report Schedule of Deliveries

Company Name: ABC Oil Carrier Company	License Number: D123456	FEIN: 987654321	Schedule Type: 14B	Tax Period CCYYMMDD: 20050131
See <i>Name Detail</i> Name Segment. Specifically the N102 element.	This information is mapped to the <i>Identify Tax Agency Information</i> Begin Tax Information Segment. Specifically to the BT110 element.	This information is mapped to the <i>Identify Tax Agency Information</i> Begin Tax Information Segment. Specifically to the BT108 element.	This information is mapped to the <i>Beginning of Schedule</i> Tax Form Segment. Specifically to the TFS02 element. See item bolded in the detail records below: TFS~T3~14B~PG~167~94~J \	This information is mapped to the <i>Tax Filing Period</i> Date/Time Reference Segment. Specifically to the DTM02 element.

Product Type (Circle One)		
This information is mapped to the <i>Beginning of Schedule</i> Tax Form Segment. Specifically to the TFS04 element. See item bolded in the detail records below: TFS~T3~14B~PG~167~94~J \		
065 Gasoline	130 Jet Fuel	226 High Sulfur Diesel Fuel-Dyed
124 Gasohol	161 Low Sulfur Diesel #1	227 Low Sulfur Diesel Fuel-Dyed
125 Aviation Gasoline	167 Low Sulfur Diesel #2	___ Other (See Product Code List)

(1) Consignor Name	(2) Consignor FEIN	(3) Seller Name	(4) Seller FEIN	(5) Mode	(6) Destination State or TCN	(7) Delivered to Consignee Name	(8) Delivered to Consignee FEIN	(9) Date Received or Delivered	(10) Document Number	(11) Net Gallons	(12) Gross Gallons
XYZ Oil Co	234567890	XYZ Oil Co	234567890	J	XX	J Doe Oil	456789012	01/5/05	999991	8,105	8,100
ABC Oil Inc	345678901	XYZ Oil Co	234567890	B	T99XX9991	J Doe Oil	456789012	01/15/05	999992	8,099	8,050
Total:										16,204	16,150

See the following pages for details on mapping between paper and EDI.

(1) Consignor Name	(2) Consignor FEIN	(3) Seller Name	(4) Seller FEIN	(5) Mode	(6) Destination State or TCN	(7) Delivered to Consignee Name	(8) Delivered to Consignee FEIN	(9) Date Delivered	(10) Document Number	(11) Net Gallons	(12) Gross Gallons
(1) Consignor Name: This information is mapped to the <i>Consignor Information</i> Name Segment. Specifically to the N102 element. See item bolded in the following detail record: N1~CI~ XYZ Oil Co ~24~234567890\											
(2) Consignor FEIN: This information is mapped to the <i>Consignor Information</i> Name Segment. Specifically to the N104 element. See item bolded in the following detail record: N1~CI~XYZ Oil Co~24~ 234567890 \											
(3) Acquired From (Seller Name): This information is mapped to the <i>Seller Information</i> Name Segment. Specifically to the N102 element. See item bolded in the following detail record: N1~SE~ XYZ Oil Co ~24~234567890\											
(4) Seller's FEIN: This information is mapped to the <i>Seller Information</i> Name Segment. Specifically to the N104 element. See item bolded in the following detail record: N1~SE~XYZ Oil Co~24~ 234567890 \											
(5) Mode: This information is mapped to the <i>Beginning of Schedule</i> Tax Form Segment. Specifically to the TFS06 element. See item bolded in the following detail record: TFS~T3~2~PG~167~94~ J \											
(6) Destination State or TCN: If the information reported was from a Destination State, the information is mapped to the <i>Option 2 Point of Destination</i> Name Segment. Specifically to the N102 element. See item bolded in the following detail record: N1~ST~ XX \ or If the information reported was from a Destination TCN, the information is mapped to the <i>Option 1 Point of Destination</i> Name Segment. Specifically to the N104 element. See item bolded in the following detail record: N1~DT~~TC~ T99XX9991 \											
(7) Consignee Name: This information is mapped to the Consignee Information Name Segment. Specifically to the N102 element. See item bolded in the following detail record: N1~BY~ J Doe Oil ~24~456789012\											
(8) Consignee FEIN: This information is mapped to the Consignee Information Name Segment. Specifically to the N104 element. See item bolded in the following detail record: N1~BY~J Doe Oil~24~ 456789012 \											
(9) Date Received: This information is mapped to the <i>Bill of Lading Date</i> Date/Time Reference Segment. Specifically to the DTM02 element. See item bolded in the following detail record: DTM~095~ 20050105 \											
(10) Document Number: This information is mapped to the <i>Bill of Lading</i> Forms Group Segment. Specifically to the FGS03 element. See item bolded in the following detail record: FGS~D~BM~ 999991 \											
(11) Net Gallons: This information is mapped to the <i>Bill of Lading Net</i> Tax Information and Amount Segment. Specifically to the TIA04 element. See item bolded in the following detail record: TIA~5005~~~ 8105 ~GA\											
(12) Gross Gallons: This information is mapped to the <i>Bill of Lading Gross</i> Tax Information and Amount Segment. Specifically to the TIA04 element. See item bolded in the following detail record: TIA~5006~~~ 8100 ~GA\											

Information calculated by State system
Header Information section of FTA EDI X.12 813 Map
Schedules section of FTA EDI X.12 813 Map

Distributor’s Schedule of Disbursements

Company Name: ABC Oil Company	License Number: D123456	FEIN: 987654321	Schedule Type: 5	Tax Period CCYMMDD: 20050131
See Name Detail Name Segment. Specifically the N102 element.	This information is mapped to the Identify Tax Agency Information Begin Tax Information Segment. Specifically to the BT10 element.	This information is mapped to the Identify Tax Agency Information Begin Tax Information Segment. Specifically to the BT108 element.	This information is mapped to the Beginning of Schedule Tax Form Segment. Specifically to the TFS02 element. See item bolded in the detail records below: TFS~T3~5~PG~167~94~J\	This information is mapped to the Tax Filing Period Date/Time Reference Segment. Specifically to the DTM02 element.

Schedule Type	Product Type (Circle One)	
	This information is mapped to the Beginning of Schedule Tax Form Segment. Specifically to the TFS04 element. See item bolded in the detail records below: TFS~T3~5~PG~167~94~J\	
5. Gallons delivered tax collected	065 Gasoline	130 Jet Fuel
6. Gallons delivered to licensed motor fuel distributor tax not collected	124 Gasohol	161 Low Sulfur Diesel #1
7. Gallons exported to State of _____	125 Aviation Gasoline	167 Low Sulfur Diesel #2
8. Gallons delivered to U.S. Government tax-exempt		226 High Sulfur Diesel Fuel-Dyed
9. Gallons delivered to State and local government tax-exempt		227 Low Sulfur Diesel Fuel-Dyed
10. Gallons delivered to other tax-exempt entities		___ Other (See Product Code List)

(1) Carrier Name	(2) Carrier FEIN	(3) Mode	(4)		(5) Sold To (Purchaser's Name)	(6) Purchaser's FEIN	(7) Date Received	(8) Document Number	(9) Net Gallons	(10) Gross Gallons	(11) Billed Gallons
			Origin TCN or State	Destination State or TCN							
XYZ Carrier Co	234567890	J	XX	XX	K Doe Oil	456789014	01/5/05	999991	8,105	8,100	8,100
ABC Carrier Inc	345678901	B	XX	XX	K Doe Oil	456789014	01/15/05	999992	8,099	8,080	8,080
Total:									16,204	16,180	16,180

See the following pages for details on mapping between paper and EDI.

(1) Carrier Name	(2) Carrier FEIN	(3) Mode	(4)		(5) Sold To (Purchaser's Name)	(6) Purchaser's FEIN	(7) Date Received	(8) Document Number	(9) Net Gallons	(10) Gross Gallons	(11) Billed Gallons
			Origin TCN or State	Destination State or TCN							
<p>(1) Carrier Name: This information is mapped to the Carrier Information Name Segment. Specifically to the N102 element. See item bolded in the following detail record: N1~CA~XYZ Carrier Co~24~234567890\</p>											
<p>(2) Carrier FEIN: This information is mapped to the Carrier Information Name Segment. Specifically to the N104 element. See item bolded in the following detail record: N1~CA~XYZ Carrier Co~24~234567890\</p>											
<p>(3) Mode: This information is mapped to the Beginning of Schedule Tax Form Segment. Specifically to the TFS06 element. See item bolded in the following detail record: TFS~T3~5~PG~167~94~J \</p>											
<p>(4 a) Original TCN or State: If the information reported was from an Origin State, the information is mapped to the Option 2 Point of Origin Name Segment. Specifically to the N102 element. See item bolded in the following detail record: N1~SF~XX\</p> <p>or</p> <p>If the information reported was from an Origin TCN, the information is mapped to the Option 1 Point of Origin Name Segment. Specifically to the N104 element. See item bolded in the following detail record: N1~OT~--TC~T99XX9991\</p>											
<p>(4 b) Destination State or TCN: If the information reported was from a Destination State, the information is mapped to the Option 2 Point of Destination Name Segment. Specifically to the N102 element. See item bolded in the following detail record: N1~ST~XX\</p> <p>or</p> <p>If the information reported was from a Destination TCN, the information is mapped to the Option 1 Point of Destination Name Segment. Specifically to the N104 element. See item bolded in the following detail record: N1~DT~--TC~T99XX9999\</p>											
<p>(5) Acquired From (Seller Name): This information is mapped to the Buyer/Consignee Information Name Segment. Specifically to the N102 element. See item bolded in the following detail record: N1~BY~K Doe Oil~24~456789014\</p>											
<p>(6) Seller's FEIN: This information is mapped to the Buyer/Consignee Information Name Segment. Specifically to the N104 element. See item bolded in the following detail record: N1~BY~K Doe Oil~24~456789014\</p>											
<p>(7) Date Received: This information is mapped to the Bill of Lading Date Date/Time Reference Segment. Specifically to the DTM02 element. See item bolded in the following detail record: DTM~095~20050105\</p>											
<p>(8) Document Number: This information is mapped to the Bill of Lading Forms Group Segment. Specifically to the FGS03 element. See item bolded in the following detail record: FGS~D~BM~999991\</p>											
<p>(9) Net Gallons: This information is mapped to the Bill of Lading Net Tax Information and Amount Segment. Specifically to the TIA04 element. See item bolded in the following detail record: TIA~5005~--~8105~GA\</p>											
<p>(10) Gross Gallons: This information is mapped to the Bill of Lading Gross Tax Information and Amount Segment. Specifically to the TIA04 element. See item bolded in the following detail record: TIA~5006~--~8100~GA\</p>											
<p>(11) Billed Gallons: This information is mapped to the Bill of Lading Billed Tax Information and Amount Segment. Specifically to the TIA04 element. See item bolded in the following detail record: TIA~5007~--~8100~GA\</p>											

Schedule Detail Section Example:

Information Reported on Return
Information Not Reported on Return

TFS~T3~5~PG~167~94~J\
REF~SU~IRS~~S0^XX^S0^YY\
REF~55~0001234\
N1~SF~XX\
N1~CA~XYZ Carrier Co~24~234567890\
N1~BY~K Doe Oil~24~456789014\
N1~ST~XX\
FGS~D~BM~999991\
REF~55~0004567\
DTM~095~20050105\
TIA~5005~~~8105~GA\
TIA~5006~~~8100~GA\
TIA~5007~~~8100~GA\

TFS~T3~5~PG~167~94~J\
REF~SU~IRS~~S0^XX^S0^YY\
REF~55~0001234\
N1~SF~XX\
N1~CA~ABC Carrier Inc~24~345678901\
N1~BY~K Doe Oil~24~456789014\
N1~ST~XX\
FGS~D~BM~999992\
REF~55~0004567\
DTM~095~20050115\
TIA~5005~~~8099~GA\
TIA~5006~~~8080~GA\
TIA~5007~~~8080~GA\

Information calculated by State system
Header Information section of FTA EDI X.12 813 Map
Schedules section of FTA EDI X.12 813 Map

Distributor’s Schedule of Receipts

Company Name: ABC Oil Company	License Number: D123456	FEIN: 987654321	Schedule Type: 2	Tax Period CCYYMMDD: 20050131
See Name Detail Name Segment. Specifically the N102 element.	This information is mapped to the Identify Tax Agency Information Begin Tax Information Segment. Specifically to the BT110 element.	This information is mapped to the Identify Tax Agency Information Begin Tax Information Segment. Specifically to the BT108 element.	This information is mapped to the Beginning of Schedule Tax Form Segment. Specifically to the TFS02 element. See item bolded in the detail records below: TFS~T3~2~PG~167~94~J \	This information is mapped to the Tax Filing Period Date/Time Reference Segment. Specifically to the DTM02 element.

Schedule Type

Product Type (Circle One)

This information is mapped to the **Beginning of Schedule** Tax Form Segment. Specifically to the TFS04 element. See item bolded in the detail records below:
**TFS~T3~2~PG~167~94~J **

- | | | | |
|---|-----------------------|---------------------------------|-----------------------------------|
| 1. Gallons received tax-paid | 065 Gasoline | 130 Jet Fuel | 226 High Sulfur Diesel Fuel-Dyed |
| 2. Gallons received from licensed motor fuel distributor tax-unpaid | 124 Gasohol | 161 Low Sulfur Diesel #1 | 227 Low Sulfur Diesel Fuel-Dyed |
| 3. Gallons imported from another state direct to customer | 125 Aviation Gasoline | 167 Low Sulfur Diesel #2 | ___ Other (See Product Code List) |
| 4. Gallons imported from another state into tax-free storage | | | |

(1) Carrier Name	(2) Carrier FEIN	(3) Mode	(4)		(5) Acquired From (Seller's Name)	(6) Seller's FEIN	(7) Date Received	(8) Document Number	(9) Net Gallons	(10) Gross Gallons	(11) Billed Gallons
			Origin TCN or State	Destination State or TCN							
XYZ Carrier Co	234567890	J	T99XX9991	XX	J Doe Oil	456789012	01/5/05	999991	8,105	8,100	8,100
ABC Carrier Inc	345678901	B	T99XX9992	XX	J Doe Oil	456789012	01/15/05	999992	8,099	8,080	8,080
Total:									16,204	16,180	16,180

See the following pages for details on mapping between paper and EDI.

(1) Carrier Name	(2) Carrier FEIN	(3) Mode	(4)		(5) Acquired From	(6) Seller's FEIN	(7) Date Received	(8) Document Number	(9) Net Gallons	(10) Gross Gallons	(11) Billed Gallons
			Original TCN or State	Destination State or TCN							
<p>(1) Carrier Name: This information is mapped to the Carrier Information Name Segment. Specifically to the N102 element. See item bolded in the following detail record: N1~CA~XYZ Carrier Co~24~234567890\</p>											
<p>(2) Carrier FEIN: This information is mapped to the Carrier Information Name Segment. Specifically to the N104 element. See item bolded in the following detail record: N1~CA~XYZ Carrier Co~24~234567890\</p>											
<p>(3) Mode: This information is mapped to the Beginning of Schedule Tax Form Segment. Specifically to the TFS06 element. See item bolded in the following detail record: TFS~T3~2~PG~167~94~J \</p>											
<p>(4 a) Original TCN or State: If the information reported was from an Origin TCN, the information is mapped to the Option 1 Point of Origin Name Segment. Specifically to the N104 element. See item bolded in the following detail record: N1~OT~--TC~T99XX9991\</p> <p>or</p> <p>If the information reported was from an Origin State, the information is mapped to the Option 2 Point of Origin Name Segment. Specifically to the N102 element. See item bolded in the following detail record: N1~SF~XX\</p>											
<p>(4 b) Destination State or TCN: If the information reported was from a Destination State, the information is mapped to the Option 2 Point of Destination Name Segment. Specifically to the N102 element. See item bolded in the following detail record: N1~ST~XX\</p> <p>or</p> <p>If the information reported was from a Destination TCN, the information is mapped to the Option 1 Point of Destination Name Segment. Specifically to the N104 element. See item bolded in the following detail record: N1~DT~--TC~T99XX9999\</p>											
<p>(5) Acquired From (Seller Name): This information is mapped to the Seller Information Name Segment. Specifically to the N102 element. See item bolded in the following detail record: N1~SE~J Doe Oil~24~456789012\</p>											
<p>(6) Seller's FEIN: This information is mapped to the Seller Information Name Segment. Specifically to the N104 element. See item bolded in the following detail record: N1~SE~J Doe Oil~24~456789012\</p>											
<p>(7) Date Received: This information is mapped to the Bill of Lading Date Date/Time Reference Segment. Specifically to the DTM02 element. See item bolded in the following detail record: DTM~095~20050105\</p>											
<p>(8) Document Number: This information is mapped to the Bill of Lading Forms Group Segment. Specifically to the FGS03 element. See item bolded in the following detail record: FGS~D~BM~999991\</p>											
<p>(9) Net Gallons: This information is mapped to the Bill of Lading Net Tax Information and Amount Segment. Specifically to the TIA04 element. See item bolded in the following detail record: TIA~5005~--~8105~GA\</p>											
<p>(10) Gross Gallons: This information is mapped to the Bill of Lading Gross Tax Information and Amount Segment. Specifically to the TIA04 element. See item bolded in the following detail record: TIA~5006~--~8100~GA\</p>											
<p>(11) Billed Gallons: This information is mapped to the Bill of Lading Billed Tax Information and Amount Segment. Specifically to the TIA04 element. See item bolded in the following detail record: TIA~5007~--~8100~GA\</p>											

Schedule Detail Section Example:

Information Reported on Return
Information Not Reported on Return

TFS~T3~2~PG~167~94~J\
REF~SU~IRS~~S0^XX^S0^YY\
REF~55~0001234\
N1~OT~~TC~T99XX9991\
N1~SE~J Doe Oil~24~456789012\
N1~CA~XYZ Carrier Co~24~234567890\
N1~ST~XX\
FGS~D~BM~999991\
REF~55~0004567\
DTM~095~20050105\
TIA~5005~~~8105~GA\
TIA~5006~~~8100~GA\
TIA~5007~~~8100~GA\

TFS~T3~2~PG~167~94~J\
REF~SU~IRS~~S0^XX^S0^YY\
REF~55~0001234\
N1~OT~~TC~T99XX9992\
N1~SE~J Doe Oil~24~456789012\
N1~CA~ABC Carrier Inc~24~345678901\
N1~ST~XX\
FGS~D~BM~999992\
REF~55~0004567\
DTM~095~20050115\
TIA~5005~~~8099~GA\
TIA~5006~~~8080~GA\
TIA~5007~~~8080~GA\

Information maintained in or calculated by State system
Header Information section of FTA EDI X.12 Map
Report Information section of FTA EDI X.12 Map
Summary Information section of FTA EDI X.12 Map
Schedules section of FTA EDI X.12 Map
Trading Partner Agreement

Distributor’s Fuel Tax Report

State of XXXXXXXXXXXXXXXXX

Month of: (CCYYMMDD) 20050131		
This information is mapped to the Tax Filing Period Date/Time Reference Segment. Specifically to the DTM02 element. See item bolded in the detail records below:		
DTM~194~ 20050131 \		
Name: ABC Oil Company	License Number: D123456	
This information is mapped to the Identify Tax Agency Information Begin Tax Information Segment. Specifically to the BTI10 element. See item bolded in the detail records below:		
N1~TP~ ABC Oil Company \		
Address 1: 123 Oil Drive	FEIN: 987654321	
This information is mapped to the Identify Tax Agency Information Begin Tax Information Segment. Specifically to the BTI08 element. See item bolded in the detail records below:		
BTI~T6~050~47~129999999~20010523~ABC*~24~ 987654321 ~49~D123456~~~00\		
Address 2:		
City: Anytown USA	State: XX	Zip Code: 55555-5555

	Gasoline	Gasohol	Diesel (167)
			This information is mapped to the Physical Inventory by Product Form Group Segment. Specifically to the FGS03 element. See item bolded in the detail records below: FGS~EI~PG~167\
1. Beginning Physical Inventory: (Is last month's ending inventory.)			25,200
2. Receipts: (From line 6, Section I on back of return)			16,204
3. Product Available: (Line 1 plus Line 2)			41,404
4. Disbursements: (From line 7, Section II on back of return)	()	()	(16,204)
5. Transfers Plus or (Minus): (From one product to another)			25
6. Book Inventory: (Lines 3 minus the Sum of Lines 3 and Line 4)			25,225
			24,950
7. Ending Physical Inventory: (Must agree with actual ending inventory.)			This information is mapped to the Inventory Tax Information and Amount Segment. Specifically to the TIA04 element. See item bolded in the detail records below: TIA~5002~~~24950~GA\
8. Gain or (Loss): (Line 7 minus Line 6 - Attach explanation)			(275)
9. Gross Taxable Gallons:			16,204
10. LESS: Tax-Paid Purchases:			0
11. Net Taxable Gallons:			16,204
12. Less Handling Allowance	()	()	(25)
13. Total Tax Due:			\$ 1,525.00
14. ADD: Interest for late payment at _____% per month			15.25
This information is mapped to the Information Tax Information and Amount Segment. Specifically to the TIA01 element. See item bolded in the detail records below: TIA~5008~1525\			This information is mapped to the Information Tax Information and Amount Segment. Specifically to the TIA02 element. See item bolded in the detail records below: TIA~5008~1525\

15. ADD: Penalty for late Payment at _____%:	30.50
This information is mapped to the Information Tax Information and Amount Segment. Specifically to the TIA01 element. See item bolded in the detail records below:	This information is mapped to the Information Tax Information and Amount Segment. Specifically to the TIA02 element. See item bolded in the detail records below:
TIA~ 5009 ~3050\	TIA~5009~ 3050 \
16. Total Due	\$ 1,570.75
	This information is mapped to the Total Due Tax Information and Amount Segment. Specifically to the TIA02 element. See item bolded in the detail records below:
	TIA~5003~ 157075 \

CERTIFICATION

I certify that I have read this report and all supporting documents; and know and understand their contents and that all information on both the report and supporting documents is true and accurate, and complete.

Authorized Representative's Name <i>(please print)</i> John J Doe		Title Owner
Authorized Representative's Signature John J Doe		Date 4/15/2005
Telephone Number (101) 999-2222	Fax Number (101) 999-2223	e-mail Address jjdoe@abcoil.com

Section I – Receipts: (See instructions)	From Schedule	Gasoline	Gasohol	Diesel
				This information is mapped to the Beginning of Summary Information Tax Form Segment. Specifically to the TFS04 element. See item bolded in the detail records below: Not reported in EDI file because zero gallons
1. In-state refinery production:				0
This information is mapped to the Information Tax Information and Amount Segment. Specifically to the TIA04 element. See item bolded in the detail records below: Not reported in EDI file because zero gallons				This information is mapped to the Information Tax Information and Amount Segment. Specifically to the TIA02 element. See item bolded in the detail records below: Not reported in EDI file because zero gallons
2. Gallons Received (state) tax-paid:	1			
3. Gallons received from licensed distributors tax-unpaid:	2			16,204
4. Gallons imported direct to customer:	3			
5. Gallons imported into tax-free storage:	4			
6. Total Receipts: (total lines 1 through 5) (Transfer to line 2 on front of return)				16,204

Section II – Disbursements: (See instructions)	From Schedule	Gasoline	Gasohol	Diesel
1. Gallons delivered tax collected:	5			16,204
2. Gallons delivered to licensed distributors tax not collected:	6			
3. Gallons exported:	7			
4. Gallons delivered to U.S. Government tax-exempt:	8			
5. Gallons delivered to state and local government tax-exempt:	9			
6. Gallons delivered to other tax-exempt entities:	10			
7. Total Disbursements: (total lines 1 through 6) (Transfer to line 3 on front of return)				16,204

Information maintained in or calculated by State system
Header Information section of FTA EDI X.12 Map
Report Information section of FTA EDI X.12 Map
Summary Information section of FTA EDI X.12 Map
Schedules section of FTA EDI X.12 Map
Trading Partner Agreement

Terminal Operators Report

State of XXXXXXXXXXXXXXXXX

Month of: (CCYYMMDD) 20050131		
This information is mapped to the Tax Filing Period Date/Time Reference Segment. Specifically to the DTM02 element. See item bolded in the detail records below:		
DTM~194~ 20050131 \		
Name of Terminal: ABC Oil Company	Terminal Control Number: T99XX9991	Terminal Location: XYZ Location
This information is mapped to the Report Information Tax Form Segment. Specifically to the TFS06 element. See item bolded in the detail records below:		
N1~TP~ ABC Oil Company \		
Address 1: 123 Oil Drive	FEIN: 987654321	
This information is mapped to the Identify Tax Agency Information Begin Tax Information Segment. Specifically to the BTI08 element. See item bolded in the detail records below:		
BTI~T6~050~47~129999999~20010523~ABC*~24~ 987654321 ~49~D123456~~~00\		
Address 2:	License Number: D123456	
City: Anytown USA	State: XX	Zip Code: 55555-5555
This information is mapped to the Identify Tax Agency Information Begin Tax Information Segment. Specifically to the BTI10 element. See item bolded in the detail records below:		
BTI~T6~050~47~129999999~20010523~ABC*~24~987654321~49~ D123456 ~~~00\		

Terminal Reconciliation	Schedule No.	Net Gallons
		065 (Gasoline)
1. Beginning Inventory		100,000 This information is mapped to the <i>Physical Inventory by Product</i> Form Group Segment. Specifically to the FGS01 element. See item bolded in the following detail record: FGS~ BI ~PG~167\ and the <i>Inventory</i> Tax Information and Amount Segment. Specifically to the TIA05 element. See item bolded in the following detail record: TIA~5002~ ~ ~ 100000 ~GA\
2. Total Receipts	15A	400,000
3. Total Gallons Available		500,000
4. Total Disbursements	15B	340,000
5. Gallons Available (less disbursements)		160,000
6. Stock Gains & Losses		1,895 This information is mapped to the <i>Physical Inventory by Product</i> Form Group Segment. Specifically to the FGS01 element. See item bolded in the following detail record: FGS~ GL ~PG~167\ and the <i>Inventory</i> Tax Information and Amount Segment. Specifically to the TIA05 element. See item bolded in the following detail record: TIA~5002~ ~ ~ 1895 ~GA\
7. Actual Ending Inventory	15C	158,105 This information is mapped to the <i>Physical Inventory by Product</i> Form Group Segment. Specifically to the FGS01 element. See item bolded in the following detail record: FGS~ EI ~PG~167\ and the <i>Inventory</i> Tax Information and Amount Segment. Specifically to the TIA05 element. See item bolded in the following detail record: TIA~5002~ ~ ~ 158105 ~GA\

CERTIFICATION

I certify that I have read this report and all supporting documents; and know and understand their contents and that all information on both the report and supporting documents is true and accurate, and complete.

Authorized Representative's Name (please print) John J Doe		Title Owner
Authorized Representative's Signature John J Doe		Date 4/15/2005
Telephone Number (101) 999-2222	Fax Number (101) 999-2223	e-mail Address jjdoe@abcoil.com

Information calculated by State system
Header Information section of FTA EDI X.12 813 Map
Report Information section of FTA EDI X.12 Map
Schedules section of FTA EDI X.12 813 Map

Schedule 15B - Terminal Operator Schedule of Disbursement

Company Name: ABC Oil Company	License Number: D123456	FEIN: 987654321	Schedule Type: 15B	Tax Period CCYYMMDD: 20050131
See <i>Name Detail</i> Name Segment. Specifically the N102 element.	This information is mapped to the <i>Identify Tax Agency Information</i> Begin Tax Information Segment. Specifically to the BT110 element.	This information is mapped to the <i>Identify Tax Agency Information</i> Begin Tax Information Segment. Specifically to the BT108 element.	This information is mapped to the <i>Beginning of Schedule</i> Tax Form Segment. Specifically to the TFS02 element. See item bolded in the detail records below: TFS~T3~15B~PG~167~94~J \	This information is mapped to the <i>Tax Filing Period</i> Date/Time Reference Segment. Specifically to the DTM02 element.

Terminal Code Number: T99XX9991	Product Type (Circle One)		
	This information is mapped to the <i>Beginning of Schedule</i> Tax Form Segment. Specifically to the TFS04 element. See item bolded in the detail records below: TFS~T3~15B~PG~167~94~J \		
This information is mapped to the <i>Report Information</i> Tax Form Segment. Specifically to the TFS06 element.	065 Gasoline	130 Jet Fuel	226 High Sulfur Diesel Fuel-Dyed
	124 Gasohol	161 Low Sulfur Diesel #1	227 Low Sulfur Diesel Fuel-Dyed
	125 Aviation Gasoline	167 Low Sulfur Diesel #2	___ Other (See Product Code List)

(1) Carrier Name	(2) Carrier FEIN	(3) Mode	(4) Dest. State or TCN	(5) Position Holder	(6) Position Holder's FEIN	(7) Date Received	(8) Document Number	(9) Net Gallons	(10) Gross Gallons
XYZ Carrier Co	234567890	J	XX	J Doe Oil	456789012	01/5/05	999991	8,105	8,100
ABC Carrier Inc	345678901	B	XX	J Doe Oil	456789012	01/15/05	999992	8,099	8,050
Total:								16,204	16,150

See the following pages for details on mapping between paper and EDI.

(1) Carrier Name	(2) Carrier FEIN	(3) Mode	(4) Dest. State or TCN	(5) Position Holder	(6) Position Holder's FEIN	(7) Date Received	(8) Document Number	(9) Net Gallons	(10) Gross Gallons
<p>(1) Carrier Name: This information is mapped to the <i>Carrier Information</i> Name Segment. Specifically to the N102 element. See item bolded in the following detail record: N1~CA~XYZ Carrier Co~24~234567890\</p>									
<p>(2) Carrier FEIN: This information is mapped to the <i>Carrier Information</i> Name Segment. Specifically to the N104 element. See item bolded in the following detail record: N1~CA~XYZ Carrier Co~24~234567890\</p>									
<p>(3) Mode: This information is mapped to the <i>Beginning of Schedule</i> Tax Form Segment. Specifically to the TFS06 element. See item bolded in the following detail record: TFS~T3~15B~PG~167~94~J \</p>									
<p>(4) Destination State or TCN: If the information reported was from a Destination State, the information is mapped to the <i>Option 2 Point of Destination</i> Name Segment. Specifically to the N102 element. See item bolded in the following detail record: N1~ST~XX\</p> <p>or</p> <p>If the information reported was from a Destination TCN, the information is mapped to the <i>Option 1 Point of Destination</i> Name Segment. Specifically to the N104 element. See item bolded in the following detail record: N1~DT~~TC~T99XX9999\</p>									
<p>(5) Position Holder: This information is mapped to the <i>Position Holder Information</i> Name Segment. Specifically to the N102 element. See item bolded in the following detail record: N1~SE~J Doe Oil~24~456789012\</p>									
<p>(6) Position Holder's FEIN: This information is mapped to the <i>Position Holder Information</i> Name Segment. Specifically to the N104 element. See item bolded in the following detail record: N1~SE~J Doe Oil~24~456789012\</p>									
<p>(7) Date Received: This information is mapped to the <i>Bill of Lading Date</i> Date/Time Reference Segment. Specifically to the DTM02 element. See item bolded in the following detail record: DTM~095~20050105\</p>									
<p>(8) Document Number: This information is mapped to the <i>Bill of Lading</i> Forms Group Segment. Specifically to the FGS03 element. See item bolded in the following detail record: FGS~D~BM~999991\</p>									
<p>(9) Net Gallons: This information is mapped to the <i>Bill of Lading Net</i> Tax Information and Amount Segment. Specifically to the TIA04 element. See item bolded in the following detail record: TIA~5005~~~8105~GA\</p>									
<p>(10) Gross Gallons: This information is mapped to the <i>Bill of Lading Gross</i> Tax Information and Amount Segment. Specifically to the TIA04 element. See item bolded in the following detail record: TIA~5006~~~8100~GA\</p>									

Information calculated by State system
Header Information section of FTA EDI X.12 813 Map
Report Information section of FTA EDI X.12 Map
Not currently represented in EDI Map

Schedule 15C - Terminal Operator Schedule of Inventories

Company Name: ABC Oil Company	License Number: D123456	FEIN: 987654321	Schedule Type: 15C	Tax Period CCYMMDD: 20050131
See <i>Name Detail</i> Name Segment. Specifically the N102 element.	This information is mapped to the <i>Identify Tax Agency Information</i> Begin Tax Information Segment. Specifically to the BT110 element.	This information is mapped to the <i>Identify Tax Agency Information</i> Begin Tax Information Segment. Specifically to the BT108 element.	This information is not mapped. The schedule is derived from the TOR return loop. This loop carries inventory information.	This information is mapped to the <i>Tax Filing Period</i> Date/Time Reference Segment. Specifically to the DTM02 element.

Terminal Code Number: T99XX9991	Product Type (Circle One)		
	This information is mapped to the <i>Report Information</i> Form Group Segment. Specifically to the FGS03 element. See item bolded in the detail records below:		
	FGS~EI~PG~167\		
This information is mapped to the <i>Report Information</i> Tax Form Segment. Specifically to the TFS06 element. See item bolded in the detail records below:	065 Gasoline	130 Jet Fuel	226 High Sulfur Diesel Fuel-Dyed
	124 Gasohol	161 Low Sulfur Diesel #1	227 Low Sulfur Diesel Fuel-Dyed
	125 Aviation Gasoline	167 Low Sulfur Diesel #2	___ Other (See Product Code List)
TFS~T2~TOR~~~TC~T99XX9991\			

(1) Position Holder Name	(2) Position Holder FEIN	(3) Beginning Inventory	(4) Total Receipts	(5) Total Disbursements	(6) Gain (Loss)	(7) Ending Inventory
This information is current not included in the FTA EDI mapping but is on FTA paper forms. The Forms and EC Committees are currently working on this issue.		100,000	400,000	340,000	1,895	158,105
		200,000	300,000	225,000	(3,099)	278,099
Total:						436,204

See the following pages for details on mapping between paper and EDI.

(1) Beginning Inventory	(2) Total Receipts	(3) Total Disbursements	(4) Gain (Loss)	(5) Ending Inventory
<p>(1) Beginning Inventory: This information is mapped to the <i>Physical Inventory by Product</i> Form Group Segment. Specifically to the FGS01 element. See item bolded in the following detail record: FGS~BI~PG~167\ and the <i>Inventory</i> Tax Information and Amount Segment. Specifically to the TIA05 element. See item bolded in the following detail record: TIA~5002~~~100000~GA\</p>				
<p>(4) Gain/(Loss): This information is mapped to the <i>Physical Inventory by Product</i> Form Group Segment. Specifically to the FGS01 element. See item bolded in the following detail record: FGS~GL~PG~167\ and the <i>Inventory</i> Tax Information and Amount Segment. Specifically to the TIA05 element. See item bolded in the following detail record: TIA~5002~~~1895~GA\</p>				
<p>(5) Ending Inventory: This information is mapped to the <i>Physical Inventory by Product</i> Form Group Segment. Specifically to the FGS01 element. See item bolded in the following detail record: FGS~EI~PG~167\ and the <i>Inventory</i> Tax Information and Amount Segment. Specifically to the TIA05 element. See item bolded in the following detail record: TIA~5002~~~158105~GA\</p>				

Chapter 8 – 820 ACH Debit Payment

ANSI ASC X12 – 820 EDI Standard

RELEASE • 004030

TRANSACTION SET TABLES • 820

820 Payment Order/Remittance Advice

FUNCTIONAL GROUP: RA

This Draft Standard for Trial Use contains the format and establishes the data contents of the Payment Order/Remittance Advice Transaction Set (820) for use within the context of an Electronic Data Interchange (EDI) environment. The transaction set can be used to make a payment, send a remittance advice, or make a payment and send a remittance advice.

This transaction set can be an order to a financial institution to make a payment to a payee. It can also be a remittance advice identifying the detail needed to perform cash application to the payee's accounts receivable system. The remittance advice can go directly from payer to payee, through a financial institution, or through a third party agent.

Table 1

NOTE	POS.NO.	SEG.ID	NAME	REQ.DES.	MAX USE	LOOP REPEAT
	0100	ST	Transaction Set Header	M	1	
	0200	BPR	Beginning Segment for Payment Order/Remittance Advice	M	1	
	0300	NTE	Note/Special Instruction	O	>1	
C	0350	TRN	Trace	O	1	
C	0400	CUR	Currency	O	1	
	0500	REF	Reference Identification	O	>1	
	0600	DTM	Date/Time Reference	O	>1	
LOOP ID - N1						>1
C	0700	N1	Name	O	1	
	0800	N2	Additional Name Information	O	>1	
	0900	N3	Address Information	O	>1	
	1000	N4	Geographic Location	O	1	
	1100	REF	Reference Identification	O	>1	
	1200	PER	Administrative Communications Contact	O	>1	
	1300	RDM	Remittance Delivery Method	O	1	
	1400	DTM	Date/Time Reference	O	1	

Table 2

NOTE	POS.NO.	SEG.ID	NAME	REQ.DES.	MAX USE	LOOP REPEAT
LOOP ID - ENT						>1
NC	0100	ENT	Entity	O	1	
LOOP ID - FA1						>1
	0150	FA1	Type of Financial Accounting Data	O	1	
	0160	FA2	Accounting Data	M	>1	
LOOP ID - NM1						>1
C	0200	NM1	Individual or Organizational Name	O	1	
	0300	N2	Additional Name Information	O	>1	
	0400	N3	Address Information	O	>1	
	0500	N4	Geographic Location	O	1	
	0600	REF	Reference Identification	O	>1	
	0700	PER	Administrative Communications Contact	O	>1	
LOOP ID - ADX						>1
C	0800	ADX	Adjustment	O	1	
	0900	NTE	Note/Special Instruction	O	>1	

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	1000	PER Administrative Communications Contact	0 >1
	1050	DTM Date/Time Reference	0 1
		LOOP ID - REF	>1
	1100	REF Reference Identification	0 1
	1200	DTM Date/Time Reference	0 >1
		LOOP ID - IT1	>1
C	1300	IT1 Baseline Item Data (Invoice)	0 1
	1310	RPA Rate Amounts or Percents	0 1
	1320	QTY Quantity	0 1
		LOOP ID - REF	>1
	1400	REF Reference Identification	0 1
	1410	DTM Date/Time Reference	0 1
		LOOP ID - SAC	>1
	1420	SAC Service, Promotion, Allowance, or Charge Information	0 1
	1430	TXI Tax Information	0 >1
	1440	DTM Date/Time Reference	0 10
		LOOP ID - SLN	>1
	1450	SLN Subline Item Detail	0 1
		LOOP ID - REF	>1
	1460	REF Reference Identification	0 1
	1470	DTM Date/Time Reference	0 >1
		LOOP ID - SAC	>1
	1480	SAC Service, Promotion, Allowance, or Charge Information	0 1
	1490	TXI Tax Information	0 >1
		LOOP ID - FA1	>1
	1495	FA1 Type of Financial Accounting Data	0 1
	1496	FA2 Accounting Data	M >1
		LOOP ID - RMR	>1
C	1500	RMR Remittance Advice Accounts Receivable Open Item Reference	0 1
	1600	NTE Note/Special Instruction	0 >1
	1700	REF Reference Identification	0 >1
	1800	DTM Date/Time Reference	0 >1
	1850	VEH Vehicle Information	0 1
		LOOP ID - IT1	>1
C	1900	IT1 Baseline Item Data (Invoice)	0 1
	1920	RPA Rate Amounts or Percents	0 1
	1940	QTY Quantity	0 1
		LOOP ID - REF	>1
	2000	REF Reference Identification	0 1
	2010	DTM Date/Time Reference	0 1
		LOOP ID - SAC	>1
	2020	SAC Service, Promotion, Allowance, or Charge Information	0 1
	2030	TXI Tax Information	0 >1
		LOOP ID - SLN	>1
	2040	SLN Subline Item Detail	0 1
		LOOP ID - REF	>1
	2050	REF Reference Identification	0 1
	2060	DTM Date/Time Reference	0 >1
		LOOP ID - SAC	>1
	2070	SAC Service, Promotion, Allowance, or Charge Information	0 1

⁴ Data Interchange Standards Association, Inc. (DISA)

RELEASE • 004030		TRANSACTION SET TABLES • 820	
2080	TXI Tax Information	0	>1
LOOP ID - ADX >1			
C 2100	ADX Adjustment	0	1
2200	NTE Note/Special Instruction	0	>1
2300	PER Administrative Communications Contact	0	>1
LOOP ID - REF >1			
2400	REF Reference Identification	0	1
2500	DTM Date/Time Reference	0	>1
LOOP ID - IT1 >1			
C 2600	IT1 Baseline Item Data (Invoice)	0	1
2610	RPA Rate Amounts or Percents	0	1
2620	QTY Quantity	0	1
LOOP ID - REF >1			
2700	REF Reference Identification	0	1
2710	DTM Date/Time Reference	0	1
LOOP ID - SAC >1			
2720	SAC Service, Promotion, Allowance, or Charge Information	0	1
2730	TXI Tax Information	0	>1
2740	DTM Date/Time Reference	0	10
LOOP ID - SLN >1			
2750	SLN Subline Item Detail	0	1
LOOP ID - REF >1			
2760	REF Reference Identification	0	1
2770	DTM Date/Time Reference	0	>1
LOOP ID - SAC >1			
2780	SAC Service, Promotion, Allowance, or Charge Information	0	1
2790	TXI Tax Information	0	>1
LOOP ID - FA1 >1			
2795	FA1 Type of Financial Accounting Data	0	1
2796	FA2 Accounting Data	M	>1
LOOP ID - TXP >1			
N 2800	TXP Tax Payment	0	1
2850	TXI Tax Information	0	>1
LOOP ID - DED >1			
N 2870	DED Deductions	0	1
LOOP ID - LX >1			
N 2900	LX Assigned Number	0	1
2950	REF Reference Identification	0	>1
3000	TRN Trace	0	>1
LOOP ID - NM1 >1			
3050	NM1 Individual or Organizational Name	0	1
3100	REF Reference Identification	0	>1
3150	G53 Maintenance Type	0	1
LOOP ID - AIN >1			
3200	AIN Income	0	1
3250	QTY Quantity	0	>1
3300	DTP Date or Time or Period	0	>1
LOOP ID - PEN >1			
3350	PEN Pension Information	0	1
3400	AMT Monetary Amount	0	>1

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	3450	DTP	Date or Time or Period	0	>1			
		LOOP ID - INV					>1	
	3500	INV	Investment Vehicle Selection	0	1			
	3550	DTP	Date or Time or Period	0	>1			
		LOOP ID - N9						1
N	3600	N9	Reference Identification	0	1			
	3650	REF	Reference Identification	0	>1			
		LOOP ID - AMT					>1	
C	3700	AMT	Monetary Amount	0	1			
	3800	REF	Reference Identification	0	>1			
		LOOP ID - N1					>1	
	3900	N1	Name	0	1			
	4000	REF	Reference Identification	0	>1			
		LOOP ID - EMS					>1	
	4100	EMS	Employment Position	0	1			
	4200	ATN	Attendance	0	>1			
	4300	AIN	Income	0	>1			
	4400	PYD	Payroll Deduction	0	>1			
		LOOP ID - RYL					>1	
N	4500	RYL	Royalty Payment	0	1			
		LOOP ID - NM1					>1	
	4600	NM1	Individual or Organizational Name	0	1			
		LOOP ID - LOC					>1	
	4700	LOC	Location	0	1			
		LOOP ID - PID					>1	
	4800	PID	Product/Item Description	0	1			
	4900	DTM	Date/Time Reference	0	1			
		LOOP ID - PCT					>1	
	5000	PCT	Percent Amounts	0	1			
	5100	QTY	Quantity	0	1			
		LOOP ID - AMT					>1	
	5200	AMT	Monetary Amount	0	1			
	5300	ADX	Adjustment	0	>1			
		LOOP ID - ASM						1
	5400	ASM	Amount and Settlement Method	0	1			
	5500	ADX	Adjustment	0	1			

Table 3

NOTE	POS.NO.	SEG.ID	NAME	REQ.DES.	MAX USE	LOOP REPEAT
	0100	SE	Transaction Set Trailer	M	1	
			Adds segment to table/positions 2/0150, 2/0160, 2/1495, 2/1496, 2/2795 and 2/2796.			2 329398
			Adds segment to table/position 2/3650.			2 332398
			Adds segment to table/position 2/1850.			4 093199

NOTES

- 2/0100 The ENT loop is for vendor or consumer third party consolidated payments.
- 2/2800 The TXP loop is for tax payments.
- 2/2870 The DED loop is for child support payments.
- 2/2900 The LX loop is for pension payments.
- 2/3600 The N9 loop is for payroll payments.
- 2/4500 The RYL loop is for royalty payments.

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COMMENTS

- 1/0350 The TRN segment is used to uniquely identify a payment order/remittance advice.
- 1/0400 The CUR segment does not initiate a foreign exchange transaction.
- 1/0700 The N1 loop allows for name/address information for the payer and payee which would be utilized to address remittance(s) for delivery.
- 2/0100 ENT09 may contain the payee's accounts receivable customer number.
- 2/0200 Allowing the NM1 segment to repeat in this area allows the paying entity within a payer and the paid entity within a payee to be identified (not the payer and payee).
- 2/0800 This ADX loop contains adjustment items which are not netted to an RMR segment in this transaction set.
- 2/1300 Loop IT1 within the ADX loop is the adjustment line item detail loop.
- 2/1500 Loop RMR is for open items being referenced or for payment on account.
- 2/1900 Loop IT1 within the RMR loop is the remittance line item detail loop.
- 2/2100 This ADX loop can only contain adjustment information for the immediately preceding RMR segment and affects the amount (RMR04) calculation. If this adjustment amount is not netted to the immediately preceding RMR, use the outer ADX loop (position 080).
- 2/2600 Loop IT1 within the ADX loop is the adjustment line item detail loop.
- 2/3700 The AMT segment can be used to provide information about allocation or distribution of net pay that is split across multiple payment orders.

Changes comment at table/position 2/3700.	2	331398
---	---	--------

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820 Structure

Table 1

Pos No	Uniform 820 Map	Header
0100	ST	Transaction Set Header
0200	BTI	Identify Tax Agency Information
0200	BPR	Payment Order Remittance Advice
0350	TRN	Sender Defined Trace Number
0600	DTM	Tax Filing Period
0700	N1	Taxpayer Name Detail
0900	N3	Address Detail
1000	N4	City, State, Zip Code Detail
1200	PER	General Contact Person

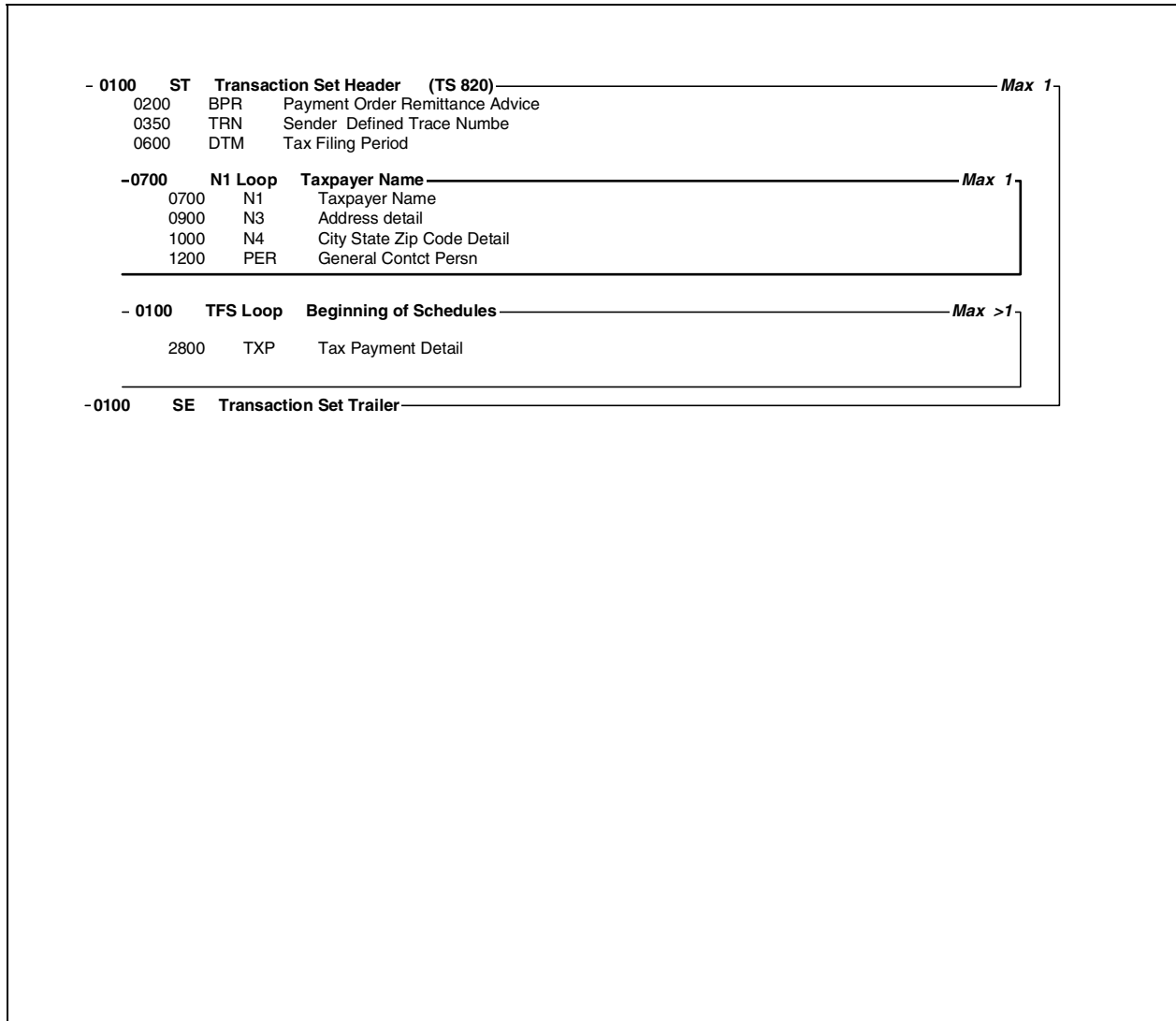
Table 2

Pos No	Uniform 820 Map	Header
2800	TXP	Tax Payment Segment

Table 3

Pos No	Uniform 820 Map	Header
0100	SE	Transaction Set Trailer

820 Map Flow



820 EDI Map

This transaction set can be submitted alone within an ISA/GS envelope or can be within an ISA envelope and separate 813 GS and 820 GS envelopes. It is recommended that the 820 be the first transaction set within the ISA.

Historical Summary of Map Changes

The following is intended as a high level historical summary of map changes.

First approved September 2002 – no known users.

Key:

Not Used	Not used: no data to transmit
Syntax Notes	Note: Notes defined by X12 Standards
FTA Notes	Note: Notes defined by FTA Uniformity

Transaction Set Header Description

Beginning of Transaction Set Header Segment								(Required) Pos. No. 0100
Element ID	Elem Ref #	Sub-Ele Ref #	Field Status	Field Name	Field Type	Length		Field Description
						Min	Max	
ST01	143		M	Transaction Set Code	ID	3	3	Transaction Set Type "820"
ST02	329		M	Transaction Set Control Number	AN	4	9	Transmitter defined unique control number (same value as SE02)
ST03	1705		O/Z	Implementation Convention Reference	AN	1	5	Version of taxing authority's implementation guide.
ST~20~00500~1\								
Syntax Notes:		None						
FTA Note:		It is recommended that ST03 be used to help identify which implementation guide the trading partner is using. This element will help the receiver of the data determine if the sender is using an old guide or the most current guide for the data transmission.						

Payment Order Remittance Advice								(Required)	
Beginning Segment								Pos. No. 0200	
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		O	Originating Company Identifier	AN	10	10	State ID Example: Taxing Authority’s DUNS Number	
BPR11	510		O	Originating Company Supplemental Code	O	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 BPR12 or BPR13 is present, then the other is required. If BPR14 is present, then BPR15 is required.									
FTA Notes: ODFI (Originating Depository Financial Institution) is the bank that creates the ACH transaction. For debit transactions, this is the states’s Bank. RDFI (Receiving Depository Financial Institution) is the bank that accepts the ACH transaction. For debit transactions, this is the Taxpayer’s Bank.									

Sender defined Trace Number								(Required)	
Trace Segment								Pos. No. 0350	
Element ID	Elem Ref #	Sub-Ele Ref #	Field Status	Field Name	Field Type	Length		Field Description	
						Min	Max		
TRN01	481		M	Trace Type Code	ID	1	1	“1” = Current Transaction Trace Number	
TRN02	127		M/Z	Reference Identification	AN	1	50	Sender defined Trace Number associated with EFT	
TRN~1~abc123\									
Syntax Notes: None									
FTA Notes: None									

Tax Filing Period Date/Time Reference Segment									(Required) Pos. No. 0600
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 “683” = Filing Period	
DTM02	373		X	Date	DT	8	8	“CCYYMMDD” = Tax Filing Period End	
DTM03 and DTM04 are not used.									
DTM05	1250		X	Date Time Period Format Qualifier	ID	3	3	“RD8” = Range of Dates	
DTM06	1251		X	Date Time Period	AN	17	17	“CCYYMMDD-CCYYMMDD” = Tax Filing Period Beginning and Ending Dates.	
DTM~194~20010525\ or DTM~683~RD8~20010426-20010525\									
Syntax Notes: At least one of DTM02 or DTM05 is required. If either DTM05 or DTM06 is present, then the other is required.									
FTA Notes: If qualifier “194” is used in DTM01, then DTM05 and DTM06 are not used. If qualifier “683” is used in DTM01, then DTM02 is not used.									

Taxpayer Name Detail Name Segment									Pos. No. 0700
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	
N102	93		X	Name	AN	1	35	Taxpayer Name	
N103	66		X	Identification Code Qualifier	ID	2	2	“24” = FEIN “34” = SSN “50” = BN – Canadian Business Number	
N104	67		X	Identification Code	AN	2	18	Taxpayer’s FEIN or SSN or BN	
N1~TP~ABC Distributing~24~123456789\									
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: N102, N103 and N104 are required.									

Address Detail Address Information Segment									Pos. No. 0900
Element ID	Elem Ref #	Sub-Ele Ref #	Field Status	Field Name	Field Type	Length		Field Description	
						Min	Max		
N301	166		M	Address Information	AN	1	35	First Line Street Address	
N302	166		O	Address Information	AN	1	35	Second Line Street Address	
N3~123 C Street~PO Box 222\									
Syntax Notes: None									
FTA Notes: None									

City, State, Zip Code Detail Location Geographic Segment									Pos. No. 1000
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 = USA)	
N4~Billings~MT~59401-2222~US\									
Syntax Notes: None									
FTA Notes: None									

General Contact Person								
Administrative Communications Contact Segment								Pos. No. 1200
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	Contact Type Code: “CN” = General Contact
PER02	93		O	Name	AN	1	35	Contact Name
PER03	365		X	Communications Number Qualifier	ID	2	2	“TE” = Telephone Number
PER04	364		X	Communications Number	AN	10	14	Voice Telephone Number
PER05	365		X	Communications Number Qualifier	ID	2	2	“FX” = FAX Number
PER06	364		X	Communications Number	AN	10	10	FAX Telephone Number
PER07	365		X	Communications Number Qualifier	ID	2	2	“EM” = Electronic Mail
PER08	364		X	Communications Number	AN	1	80	E-mail Address
PER~CN~Allen Smith~TE~4069959988~FX~4069950329~EM~asmith@abc.com\								
Syntax Notes: If either PER03 or PER04 is present, then the other is required. If either PER05 or PER06 is present, then the other is required. If either PER07 or PER08 is present, then the other is required.								
FTA Notes: None								

Tax Payment Detail Loop

This segment is used to define the details of the payment. It is repeated each time the tax payment type code (TXP02) changes.

Tax Payment Segment								
								Pos. No. 2800
Element ID	Elem Ref #	Sub-Ele Ref #	Field Status	Field Name	Field Type	Length		Field Description
						Min	Max	
TXP01	325		M	Tax Identification Number	AN	1	20	Taxpayer Identification Number assigned by the taxing authority. Example: License #, Permit #, ets
TXP02	1049		M	Tax Payment Type Code	ID	1	5	See payment type codes in Appendix on page G-139 for additional codes.
TXP03	373		M	Date	DT	8	8	Payment date (CCYYMMDD)
TXP04	817		M	Tax Information Identification Number	AN	1	30	Identifying tax information may be defined by the taxing authority. See Appendix on page G-139 for existing codes.
TXP05	1051		M	Tax Amount	N2	1	10	Tax Amount
TXP06 through TXP09 are not used								
TXP10	1050		O	Taxpayer Verification	AN	1	6	Code agreed to by both parties to validate the sender.
TXP~12345~05000~20020125~MOTOR FUELS~200000~~~~~ab123\								
Syntax Notes: None								
FTA Notes: None								

Transaction Set Trailer Description

End of Transaction Set Trailer Segment								(Required) Pos. No. 2100
Element	Elem	Sub-Element	Field	Field Name	Field	Length		Field
ID	Ref #	Ref #	Status		Type	Min	Max	Description
SE01	96	96	M	Number of Included Segments	N0	1	10	Number of segments (inserted by translator)
SE02	329	329	M	Transaction Set Control Number	AN	4	9	Determined by Filer (same value in ST02, unique control number)
SE~9~82000500\								
Syntax Notes: None								
FTA Notes: None								

End of Transaction Set

Chapter 9 – Tax Information Exchange

ANSI ASC X12 – 826 EDI Standard

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TRANSACTION SET TABLES • 826

826 Tax Information Exchange

FUNCTIONAL GROUP: **T1**

This Draft Standard for Trial Use contains the format and establishes the data contents of the Tax Information Exchange Transaction Set (826) for use within the context of an Electronic Data Interchange (EDI) environment. This bi-directional transaction set can be used to exchange tax information between various tax agencies and other authorized parties.

Table 1

NOTE	POS.NO.	SEG.ID	NAME	REQ.DES.	MAX USE	LOOP REPEAT
	0100	ST	Transaction Set Header	M	1	
N	0200	BTI	Beginning Tax Information	M	1	
	0220	DTM	Date/Time Reference	O	>1	
	0240	REF	Reference Identification	O	>1	
	0260	TIA	Tax Information and Amount	O	>1	
N	0280	YNQ	Yes/No Question	O	>1	
LOOP ID - N1						>1
	0300	N1	Name	O	1	
	0400	N2	Additional Name Information	O	2	
	0500	IN2	Individual Name Structure Components	O	>1	
	0600	N3	Address Information	O	2	
	0700	N4	Geographic Location	O	1	
	0800	PER	Administrative Communications Contact	O	>1	

Table 2

NOTE	POS.NO.	SEG.ID	NAME	REQ.DES.	MAX USE	LOOP REPEAT
LOOP ID - TFS						>1
N	0100	TFS	Tax Form	O	1	
	0200	REE	Reference Identification	O	>1	
	0300	DTM	Date/Time Reference	O	>1	
N	0400	TIA	Tax Information and Amount	O	>1	
N	0420	YNQ	Yes/No Question	O	>1	
LOOP ID - N1						>1
	0500	N1	Name	O	1	
	0600	N2	Additional Name Information	O	2	
	0700	IN2	Individual Name Structure Components	O	>1	
	0800	N3	Address Information	O	2	
	0900	N4	Geographic Location	O	1	
	1000	PER	Administrative Communications Contact	O	>1	
LOOP ID - FGS						>1
	1100	FGS	Form Group	O	1	
	1200	REE	Reference Identification	O	>1	
	1300	DTM	Date/Time Reference	O	>1	
	1400	TIA	Tax Information and Amount	O	>1	
N	1420	YNQ	Yes/No Question	O	>1	
LOOP ID - N1						>1
	1500	N1	Name	O	1	
	1600	N2	Additional Name Information	O	2	
	1700	IN2	Individual Name Structure Components	O	>1	

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⁸ Data Interchange Standards Association, Inc. (DISA)

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1800	N3	Address Information	O	2		
1900	N4	Geographic Location	O	1		
2000	PER	Administrative Communications Contact	O	>1		
2100	SE	Transaction Set Trailer	M	1		

NOTES

- 1/0200 The BTI Segment establishes the Tax Information Exchange Program.
- 1/0280 This YNQ segment refers to the validity of taxpayer identification in Table 1.
- 2/0100 The TFS segment establishes the tax form, schedule, or type.
- 2/0400 The TIA segment specifies individual data fields within the tax form, schedule, or type identified in the TFS segment.
- 2/0420 This YNQ segment refers to the validity of taxpayer identification in the TFS loop.
- 2/1420 This YNQ segment refers to the validity of taxpayer identification in the FGS loop.

⁹ Data Interchange Standards Association, Inc. (DISA)

826 Structure

Table 1

Pos No	Uniform 826 Map	Header
0100	ST	Transaction Set Header
0200	BTI	Identify Tax Agency Information
0300	N1	Tax Authority
0800	PER	Tax Authority EDI Contact

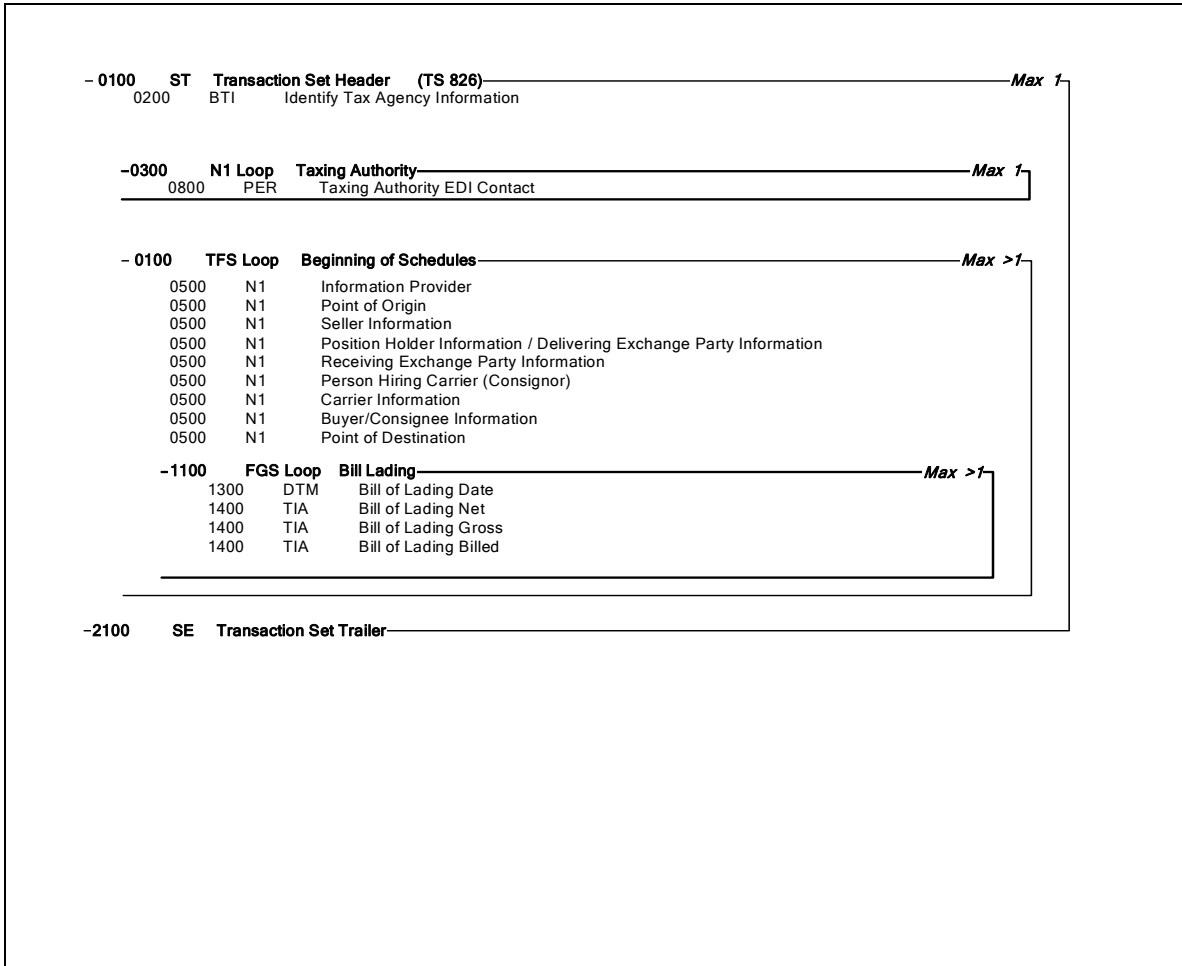
Table 2

Pos No	Uniform 826 Map	Schedule (SCH)
0100	TFS	Beginning of Schedules
0500	N1	Information Provider
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
1100	FGS	Bill of Lading
1300	DTM	Bill of Lading Date
1400	TIA	Bill of Lading Net
1400	TIA	Bill of Lading Gross
1400	TIA	Bill of Lading Billed

Table 3

Pos No	Uniform 826 Map	Trailer
2100	SE	Transaction Set Trailer

826 Map Flow



826 EDI Map

The 826 Tax Information Exchange map is for the purpose of states sharing import and export fuel information.

The EDI separator requirements and the EDI envelope Requirements defined previously are used for the 826 map as well.

File Naming Convention

When electronically sending the export information to neighboring states, the following naming convention is recommended to ensure other files are not overwritten.

SSXXXRSYYYYMM.txt

SS = Sending state abbreviation

XXX = file type '826' = EDI file, 'XML' = XML Schema, or 'FFF' = flat file format

RS = Receiving state abbreviation

YYYY = 4-digit year of the transmission date

MM = 2-digit month of the transmission date

Historical Summary of Map Changes

The following is intended as a high level historical summary of map changes.

First approved September 2001

Key:

Not Used	Not used: no data to transmit
Syntax Notes	Note: Notes defined by X12 Standards
FTA Notes	Note: Notes defined by FTA Uniformity

Transaction Set Header Description

Beginning of Transaction Set Header Segment								(Required) Pos. No. 0100	
Element ID	Elem Ref #	Sub-Ele Ref #	Field Status	Field Name	Field Type	Length		Field Description	
						Min	Max		
ST01	143		M	Transaction Set Code	ID	3	3	Transaction Set Type "826"	
ST02	329		M	Transaction Set Control Number	AN	4	9	Transmitter defined unique control number (same value as SE02)	
ST03	1705		O/Z	Implementation Convention Reference	AN	1	5	Version of taxing authority's implementation guide.	
ST-826-00500~1\									
Syntax Notes:		None							
FTA Note:		It is recommended that ST03 be used to help identify which implementation guide the trading partner is using. This element will help the receiver of the data determine if the sender is using an old guide or the most current guide for the data transmission.							

Identify Tax Agency Information Begin Tax Information Segment								(Required) Pos. No. 0200	
Element ID	Elem Ref #	Sub-Ele Ref #	Field Status	Field Name	Field Type	Length		Field Description	
						Min	Max		
BTI01	128		M	Reference Number Qualifier	ID	2	2	"T2" = Tax Form Code	
BTI02	127		M	Reference Number	AN	1	30	Name of form used by Tax Authority	
BTI03	66		M	ID Code Qualifier	ID	2	2	"57" = Department	
BTI04	67		M	ID Code	AN	2	25	Tax Authority name	
BTI05	373		O	Transaction Create Date	DT	8	8	"CCYYMMDD" = Transmission Date	
BTI~T2~MF-32-57~MT Dept of Transportation~20010525\									
Syntax Notes:		None							
FTA Note:		None							

Taxing Authority Name Segment									Pos. No. 0300
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	"TX" = Taxing Authority	
N102	93		X	Name	AN	1	35	Taxing Authority Name	
N1~TX~MT Department of Transportation\									
Syntax Notes: N102 is required.									
FTA Note: None									

Taxing Authority EDI Contact Person Administrative Communications Contact Segment									Pos. No. 0800
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	Contact Type Code: "EA" = EDI Coordinator	
PER02	93		O	Name	AN	1	35	Contact Name	
PER03	365		X	Communications Number Qualifier	ID	2	2	"TE" = Telephone Number	
PER04	364		X	Communications Number	AN	10	14	Voice Telephone Number	
PER05	365		X	Communications Number Qualifier	ID	2	2	"FX" = FAX Number	
PER06	364		X	Communications Number	AN	10	10	FAX Telephone Number	
PER07	365		X	Communications Number Qualifier	ID	2	2	"EM" = Electronic Mail	
PER08	364		X	Communications Number	AN	1	80	E-mail Address	
PER~EA~Joe Smith~TE~4064449999~FX~4064448888~EM~jsmith@state.mt.us\									
Syntax Notes: If either PER03 or PER04 is present, then the other is required. If either PER05 or PER06 is present, then the other is required. If either PER07 or PER08 is present, then the other is required.									
FTA Note: None									

Schedule Detail

Repeat the TFS loop for each product type, mode of transport or schedule type.

Beginning of Schedules									
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 code list in Appendix on page B-121)	
TFS03	128		X	Reference Identification Qualifier	ID	2	2	"PG" = Product Group	
TFS04	127		X	Reference Identification	AN	3	3	Product Code (see code list in Appendix on page C-125)	
TFS05	66		X	Identification Code Qualifier	ID	2	2	"94" = Mode of Transportation	
TFS06	67		X	Identification Code	AN	2	2	Mode Code (see code list in Appendix on page E-135)	
TFS~T3~7~PG~065~94~J\									
Syntax Notes: If either TFS03 or TFS04 is present, then the other is required. If either TFS05 or TFS06 is present, then the other is required.									
FTA Note: None									

Information Provider									
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	"L9" = Information Provider	
N102	93		X	Name	AN	1	35	Information Provider's Name	
N103	66		X	Identification Code Qualifier	ID	2	2	"24" = FEIN "34" = SSN "50" = BN - Canadian Business Number	
N104	67		X	Identification Code	AN	9	18	Information Provider's FEIN or SSN or BN	
N1~L9~ABC Distributing~24~51699999\									
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: N102, N103 and N104 are required.									

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

Use Option 1 when the origin has an IRS TCN.

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

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

Option 1

Point of Origin									
Name Segment 1									
(One of the three options is used)									
Pos. No. 0500									
Element ID	Elem Ref. #	Sub-Ele Ref. #	Field Status	Field Name	Field Type	Length		Field Description	
						Min	Max		
N101	98		M	Entity Identification Code	ID	2	2	"OT" = Origin Terminal	
N102 is not used.									
N103	66		X	Identification Code Qualifier	ID	2	2	"TC" = IRS Terminal Code	
N104	67		X	Identification Code	AN	9	9	IRS Terminal Code (Code list is located at www.irs.gov/bus_info/excise/index.html)	
N1~OT~~TC~T81MT4007\									
Syntax Notes: N103 and N104 are required.									
FTA Note: None									

Option 2

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

Point of Origin Name Segment 1								Pos. No. 0500	
Element ID	Elem Ref. #	Sub-Ele Ref. #	Field Status	Field Name	Field Type	Length		Field Description	
						Min	Max		
N401	19		O	City Name	AN	2	30	Name of City	
N402	156		O	State or Province Code	ID	2	2	State or Province 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	
N4-Billings-MT-59604\									
Syntax Notes: None									
FTA Note: N406 is based on the federal county codes (see: http://www.itl.nist.gov/fipspubs/co-codes/states.htm)									

Option 3

Point of Origin Name Segment 1								(One of the three options is used) Pos. No. 0500	
Element ID	Elem Ref. #	Sub-Ele Ref. #	Field Status	Field Name	Field Type	Length		Field Description	
						Min	Max		
N101	98		M	Entity Identification Code	ID	2	2	"WO" = Storage Facility at Origin	
N102 is not used.									
N103	66		X	Identification Code Qualifier	ID	2	2	"FA" = Facility Identification	
N104	67		X	Identification Code	AN	2	20	Facility/License Number	
N1-WO--FA-123456\									
Syntax Notes: N103 and N104 are required.									
FTA Note: None									

Seller Information Name Segment 2								Pos. No. 0500	
Element ID	Elem Ref. #	Sub-Ele Ref. #	Field Status	Field Name	Field Type	Length		Field Description	
						Min	Max		
N101	98		M	Entity Identification Code	ID	2	2	"SE" = Selling Party	
N102	93		X	Name	AN	1	35	Seller's Name 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	
N104	67		X	Identification Code	AN	9	18	Seller's FEIN or SSN or BN	
N1-SE-ABC Distributing-24-516998888\									
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: N102, N103 and N104 are required.									

Position Holder Information \ Delivering Exchange Party Information								
Name Segment 3								Pos. No. 0500
Element ID	Elem Ref. #	Elem 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 "50" = BN - Canadian Business Number "FI" = Federal Taxpayer 637 ID Number
N104	67		X	Identification Code	AN	9	18	Position Holder's FEIN or SSN or BN or IRS 637 Number
N1~ON~ABC Distributing~24~516998888\								
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 position holder or 2-party exchange information this segment is required. N102, N103 and N104 are required.								

Receiving Exchange Party Information								
Name Segment 4								Pos. No. 0500
Element ID	Elem Ref. #	Elem 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	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 "50" = BN - Canadian Business Number "FI" = Federal Taxpayer 637 ID Number
N104	67		X	Identification Code	AN	9	18	Position Holder's FEIN or SSN or BN or IRS 637 Number
N1~ON~DEF Distributing~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. Otherwise do not use. N102, N103 and N104 are required.								

Person Hiring Carrier (Consignor)								
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 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
N104	67		X	Identification Code	AN	9	18	Consignor's (Person Hiring the Carrier) FEIN or SSN or BN
N1~CI~ABC Distributing~24~516998888\								
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: N102, N103 and N104 are required.								

Carrier Information									Pos. No. 0500	
Name Segment 6										
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 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		
N104	67		X	Identification Code	AN	9	18	Carrier's FEIN or SSN or BN		
N1~CA~ABC Trucking~24~516889999\										
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: N102, N103 and N104 are required.										

Buyer/Consignee Information									Pos. No. 0500	
Name Segment 7										
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	Sold to Name (Purchaser./Consignee)		
N103	66		X	Identification Code Qualifier	ID	2	2	"24" = FEIN "34" = SSN "50" = BN - Canadian Business Number		
N104	67		X	Identification Code	AN	9	18	Purchaser's FEIN or SSN or BN		
N1~BY~Joe Gas Station~24~819999999\										
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: N102, N103 and N104 are required.										

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

Use Option 1 when the destination has an IRS TCN.

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

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

Option 1

Point of Destination									(One of the three options is used)	
Name Segment 8									Pos. No. 0500	
Element 98ID	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 at www.irs.gov/bus_info/excise/index.html)		
N1~DT~~TC~T82ID1001\										
Syntax Notes: N103 and N104 are required.										
FTA Note: None										

Option 2

Point of Destination Name Segment 8								(One of the three options is used) Pos. No. 0500	
Element ID	Elem Ref. #	Sub-Ele Ref. #	Field Status	Field Name	Field Type	Length		Field Description	
						Min	Max		
N101	98		M	Entity Identification Code	ID	2	2	"ST" = Ship To	
N102	93		X	Name	AN	2	2	Destination State Abbreviation	
N1~ST~ID\									
Syntax Notes: N102 is required.									
FTA Note: None									

Point of Destination Name Segment 8								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 Province 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	
N4~Boise~ID~99817\									
Syntax Notes: None									
FTA Note: N406 is based on the federal county codes (see: http://www.itl.nist.gov/fipspubs/co-codes/states.htm)									

Option 3

Point of Destination Name Segment 8								(One of the three options is used) Pos. No. 0500	
Element ID	Elem Ref. #	Sub-Ele Ref. #	Field Status	Field Name	Field Type	Length		Field Description	
						Min	Max		
N101	98		M	Entity Identification Code	ID	2	2	"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 Note: None									

This FGS loop begins the individual shipments within the TFS loop. It is repeated when one of the following values changes:

- Bill of Lading (Document) Number
- Bill of Lading Date (Date Shipped)
- Gallons/Liters

Bill of Lading Forms Group Segment								Pos. No. 1100	
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	
FGS~D~BM~00123456\									
Syntax Notes: If either FGS02 or FGS03 is present, then the other is required.									
FTA Note: None									

Bill of Lading Date									
Date/Time Reference Segment								Pos. No. 1300	
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)	
DTM~095~20010505\									
Syntax Notes: DTM02 is required.									
FTA Note: None									

Bill of Lading Net									
Tax Information and Amount Segment								Pos. No. 1400	
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	"5005" = Net	
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	
TIA~5005~~~8000~GA\									
Syntax Notes: TIA04 and TIA05 are required.									
FTA Note: None									

Bill of Lading Gross									
Tax Information and Amount Segment Segment								Pos. No. 1400	
Element ID	Elem Ref. #	Elem 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	
TIA~5006~~~8000~GA\									
Syntax Notes: TIA04 and TIA05 are required.									
FTA Note: None									

Bill of Lading Billed									
Tax Information and Amount Segment Segment								Pos. No. 1400	
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	
TIA~5007~~~8000~GA\									
Syntax Notes: TIA04 and TIA05 are required.									
FTA Note: None									

**End of FGS loop for Individual shipments.
End of TFS loop for Schedule.**

Transaction Set Trailer Description

End of Transaction Set Trailer Segment								(Required) Pos. No. 2100
Element	Elem	Sub-Ele	Field	Field Name	Field	Length		Field
ID	Ref #	Ref #	Status		Type	Min	Max	Description
SE01	96	96	M	Number of Included Segments	N0	1	10	Number of segments (inserted by translator)
SE02	329	329	M	Transaction Set Control Number	AN	4	9	Determined by Filer (same value in ST02, unique control number)
SE~35~00500\								
Syntax Notes: None								
FTA Note: None								

End of Transaction Set

ACSII Flat File Standard for Exchanging Data between States Import Export File Layout

This is a delimited flat file. Use a ~ 'Tilde' to delimit the file. The file name should contain the state receiving the file and the state sending the file. The file name should also contain the date time stamp.

SS = Sending state abbreviation
RS = Receiving state abbreviation

Example: File Naming Standard – SS_RS_MMDDYYYYhhmm.txt

Note: This file can contain both import and export data.

Example:

SS~01312008~3A~Gallons imported from terminals/refineries~065~Gasoline~Reporter~123456789~SELLER~234567890~~~CARRIER~345678901~543210~01152008~J~T99XX9999~~~~~SS~~~~8115~~~~I

SS~12112007~7~Gallons exported to the State of RS~123~Alcohol~Reporter~456789012~~~BUYER~567890123~CARRIER~678901234~908024~12182007~J~~~~ORIGIN CITY~SS~~~~~RS~~~~~28500~~E

Col No.	Data Element	Data Type	Format	Field Requirement	Description	Explanation or Example
1	Jurisdiction Code	Text	State Abbreviation	Required	The US postal code of the state from which the data is being sent	Jurisdiction identifier
2	Period End Date	Text	MMDDYYYY	Required	Reporting Period – Month Day Year	Note: DD – represents the last day of the reporting period, i.e. –01312008
3	Schedule Code	Text		Required	Schedule Code	The submitting Jurisdiction's Import / Export Schedule Types. i.e.: 3, 3A, 3B, etc....
4	Schedule Code Description	Text		Optional	Schedule Code Description	
5	Product Code	Text		Required	Product Code	The FTA product codes are 3 char codes. The Leading 0 is required. Example of product codes are: 065, 160, 228, E85, etc.
6	Product Code Description	Text		Optional	Product Code Description	Gas, Un-dyed Diesel, Dyed Diesel, etc.
7	Filer Name	Text		Required	Filer's Name	Legal name associated to the FEIN or SSN
8	Filer FEIN Identifier	Text		Required	FEIN/SSN	SSN allowed if no FEIN is available.
9	Seller's Name	Text		Required if a Receipt Schedule	Seller's Name	If the record is an Import, report the Seller. SSN allowed if no FEIN is available.
10	Seller's FEIN	Text		Required if a Receipt Schedule	Seller's FEIN	
11	Purchaser Name	Text		Required if a Disbursement Schedule	Purchaser's / Buyers Name	If the record is an Export, report the Buyer. SSN allowed if no FEIN is available.
12	Purchaser FEIN	Text		Required if a Disbursement Schedule	Purchaser's / Buyers Name FEIN	
13	Carrier's Name	Text		Required	Carrier Name	
14	Carrier's FEIN	Text		Required	Carrier FEIN	SSN Allowed if no FEIN is available.

Col No.	Data Element	Data Type	Format	Field Requirement	Description	Explanation or Example
15	Document Number	Text		Required	Document Number	
16	Date Received/Shipped	Text	MMDDYYYY	Required	Date Received/Shipped	i.e. 01222004
17	Transportation Mode	Text		Required	FTA Transportation Code	“R” – Rail “PL” – Pipeline “B” – Barge “J” – Truck “S” – Ship
18	Point of Origin Terminal Code	Text	T##SS####	Provide if City / State is not given	Point of Origin Terminal Code	Terminal or Storage EPA Code. Ex: T93TN1111 (No separators)
19	Point of Origin Address	Text		Optional	Point of Origin	
20	Point of Origin City	Text		Optional	Point of Origin	
21	Point of Origin State	Text		Provide if Origin Terminal Code is not provided	Point of Origin	Mandatory if Point of Origin Terminal Code is not supplied.
22	Origin County	Text		Optional	Point of Origin	
23	Origin Zip Code	Text		Optional	Point of Origin	
24	Origin Country	Text		Optional	Point of Origin	
25	Destination Terminal Code	Text	T##RS####	Provide if City State is not available	Point of Delivery Terminal Code	Terminal or Storage EPA Code.
26	Destination Address	Text		Optional	Point of Delivery	
27	Destination City	Text		Optional	Point of Delivery	
28	Destination State	Text		Provide if Destination Terminal Code is not provided		Mandatory if Point of Destination Terminal Code is not supplied.
29	Destination County	Text		Optional	Point of Delivery	
30	Point of Destination Zip	Text		Optional	Point of Delivery	
31	Destination Country Code	Text		Optional	Point of Delivery	
32	Net Gallons	No.		Provide if Available	Net	Provide if provided by jurisdiction. Enter negative values as “-345”
33	Gross Gallons	No.		Provide if Available	Gross	Provide if provided by jurisdiction. Enter negative values as “-345”
34	Billed Gallons	No.		Provide if Available	Billed	Provide if provided by jurisdiction. Enter negative values as “-345”
35	Export / Import Indicator	Text	E or I	Required	Was this an Export out of the submitting state or an Import into the submitting state?	Indicate if the detail is an Export or Import using a single character: Ex: I – Import or E - Export

Chapter 10 - 997 Functional Acknowledgment

ANSI ASC X12 – 997 EDI Standard

RELEASE • 004030

TRANSACTION SET TABLES • 997

997 Functional Acknowledgment

FUNCTIONAL GROUP - FA

This Draft Standard for Trial Use contains the format and establishes the data contents of the Functional Acknowledgment Transaction Set (997) for use within the context of an Electronic Data Interchange (EDI) environment. The transaction set can be used to define the control structures for a set of acknowledgments to indicate the results of the syntactical analysis of the electronically encoded documents. The encoded documents are the transaction sets, which are grouped in functional groups, used in defining transactions for business data interchange. This standard does not cover the semantic meaning of the information encoded in the transaction sets.

Table 1

NOTE	POS.NO.	SEG.ID	NAME	REQ.DES.	MAX USE	LOOP REPEAT
N	0100	ST	Transaction Set Header	M	1	
N	0200	AK1	Functional Group Response Header	M	1	
LOOP ID - AK2						
N	0300	AK2	Transaction Set Response Header	O	1	999999
LOOP ID - AK3						
C	0400	AK3	Data Segment Note	O	1	999999
	0500	AK4	Data Element Note	O	99	
	0600	AK5	Transaction Set Response Trailer	M	1	
	0700	AK9	Functional Group Response Trailer	M	1	
	0800	SE	Transaction Set Trailer	M	1	

NOTES

- 1/0100 These acknowledgments shall not be acknowledged, thereby preventing an endless cycle of acknowledgments of acknowledgments. Nor shall a Functional Acknowledgment be sent to report errors in a previous Functional Acknowledgment.
- 1/0100 The Functional Group Header Segment (GS) is used to start the envelope for the Functional Acknowledgment Transaction Sets. In preparing the functional group of acknowledgments, the application sender's code and the application receiver's code, taken from the functional group being acknowledged, are exchanged; therefore, one acknowledgment functional group responds to only those functional groups from one application receiver's code to one application sender's code.
- 1/0100 There is only one Functional Acknowledgment Transaction Set per acknowledged functional group.
- 1/0200 AK1 is used to respond to the functional group header and to start the acknowledgment for a functional group. There shall be one AK1 segment for the functional group that is being acknowledged.
- 1/0300 AK2 is used to start the acknowledgment of a transaction set within the received functional group. The AK2 segments shall appear in the same order as the transaction sets in the functional group that has been received and is being acknowledged.

COMMENTS

- 1/0400 The data segments of this standard are used to report the results of the syntactical analysis of the functional groups of transaction sets; they report the extent to which the syntax complies with the standards for transaction sets and functional groups. They do not report on the semantic meaning of the transaction sets (for example, on the ability of the receiver to comply with the request of the sender).

DECEMBER 1999

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¹⁰ Data Interchange Standards Association, Inc. (DISA)

997 EDI Map

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

Transaction Set Header Description

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

Functional Group Response Header								(Required) Pos. No. 0200
Element	Elem	Sub-Ele	Field	Field Name	Field	Length		Field
ID	Ref #	Ref #	Status		Type	Min	Max	Description
AK101	479		M/Z	Transaction Set Identifier Code	ID	2	2	Functional ID found in the GS segment (GS01) of the functional group being acknowledged. Equals one of the following: TF = 813 RD = 820 TI = 826 TA = 151
AK102	28		M/Z	Group Control Number	N0	1	9	Functional group control number found in the GS segment (GS02) of the functional group being acknowledged.

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

Data Segment Note								(Optional) Pos. No. 0400
Element	Elem	Sub-Ele	Field	Field Name	Field	Length		Field
ID	Ref #	Ref #	Status		Type	Min	Max	Description
AK301	721		M	Segment ID Code	ID	2	3	Code defining the segment ID of the segment in error. See X12 guide for codes.
AK302	719		M	Segment Position in Transaction Set	N0	1	6	The position of the segment counted from the transaction set header (ST). The transaction set header is 1.
AK303	447		O	Loop Identifier Code	AN	1	6	Loop ID number given on the transaction set diagram.
AK304	720		O	Segment Syntax Error Code	ID	1	3	1 = Unrecognized segment ID 2 = Unexpected segment 3 = Mandatory segment missing 4 = Loop occurs over maximum times 5 = Segment exceeds maximum use 6 = Segment not in defined transaction set 7 = Segment not in proper sequence 8 = Segment has data element errors
This segment defines segment syntax errors and the location of the segment. Refer to the X12 standards guide for further definition.								

Data Element Note								(Optional) Pos. No. 0500
Element	Elem	Sub-Ele	Field	Field Name	Field	Length		Field
ID	Ref #	Ref #	Status		Type	Min	Max	Description
AK401	C030		M	Position in Segment				Code indicating relative position of element in error. See X12 guide for further information.
AK401	C030	722	M	Element Position in Segment	N0	1	2	
AK401	C030	1528	O	Component Data Element Position in Composit	N0	1	2	
AK401	C030	1686	O	Repeating Data Element Position	N0	1	4	
AK402	725		O	Data Element Reference Number	N0	1	4	Reference number used to locate the element in the Data Element Dictionary.
AK403	723		M	Data Element Syntax Error Code	ID	1	3	1 = Mandatory data element missing. 2 = Conditional required data element missing. 3 = Too many data elements 4 = Data element too short 5 = Data element too long 6 = Invalid character in data element 7 = Invalid code value 8 = Invalid date 9 = Invalid time 10 = Exclusion condition violated 12 = Too many repetitions 13 = Too many components
AK404	724		O/Z	Copy of Bad Data Element	AN	1	99	A copy of the bad data element.
This segment defines Element syntax errors and the location of the segment. Refer to the X12 standards guide for further definition.								

Transaction Set Response Trailer								(Required) Pos. No. 0600
Element	Elem	Sub-Ele	Field	Field Name	Field	Length		Field
ID	Ref #	Ref #	Status		Type	Min	Max	Description
AK501	717		M	Transaction Set Acknowledgement Code	ID	1	1	A = Accepted E = Accepted but errors were noted M = Rejected, message authentication code failed R = Rejected W = Rejected, assurance failed validity tests X = Rejected, content after decryption could not be analyzed
AK502	718		O	Transaction Set Syntax Error Code	ID	1	3	1 = Transaction set not supported
AK503	718		O	Transaction Set Syntax Error Code	ID	1	3	2 = Transaction set trailer missing
AK504	718		O	Transaction Set Syntax Error Code	ID	1	3	3 = Transaction set control number in header and trailer do not match.
AK505	718		O	Transaction Set Syntax Error Code	ID	1	3	4 = Number of included segments does not match actual count
AK506	718		O	Transaction Set Syntax Error Code	ID	1	3	5 = One or more segments in error 6 = Missing or invalid transaction set identifier 7 = Missing or invalid transaction set control number 8 = Authentication key name unknown 9 = Encryption key name unknown 10 = Requested service (authentication or encryption) not available. 11 = Unknown security recipient 12 = Incorrect message length (encryption only) 13 = Message authentication code failed 15 = Unknown security originator 16 = Syntax error in decryption text 17 = Security not supported 23 = Transaction set control number not unique within the functional group. 24 = S3E security end segment missing for S3S security. 25 = S3S security start segment missing for S3E security. 26 = S4E security end segment missing for S4S security 27 = S4S security start segment missing for S4E security end segment.
This segment acknowledges acceptance or rejection and reports errors. Refer to the X12 standards guide for further definition.								

Functional Group Response Trailer								(Required) Pos. No. 0700
Element	Elem	Sub-Ele	Field	Field Name	Field	Length		Field
ID	Ref #	Ref #	Status		Type	Min	Max	Description
AK901	715		M	Functional Group Acknowledgement Code	ID	1	1	A = Accepted E = Accepted but errors were noted M = Rejected, message authentication code failed P = Partially Accepted, at least one transaction set was rejected R = Rejected W = Rejected, assurance failed validity tests X = Rejected, content after decryption could not be analyzed
AK902	97		M	Number of Transaction Sets Included	N0	1	6	Number of Transaction Sets Included
AK903	123		M	Number of Received Transaction Sets	N0	1	6	Number of Received Transaction Sets
AK904	2		M	Number of Accepted Transaction Sets	N0	1	6	Number of Accepted Transaction Sets
AK905	716		O	Functional Group Syntax Error Code	ID	1	3	1 = Functional group not supported 2 = Functional group version not supported 3 = Functional Group Trailer Missing 4 = Group control number in the functional group header and trailer do not agree. 5 = Number of included transaction sets does not match actual count. 6 = Group control number violates syntax 10 = Authentication key name unknown 11 = Encryption key name unknown 12 = Requested service (authentication or encryption) not available. 13 = Unknown security recipient 14 = Unknown security originator. 15 = Syntax error in decrypted text 16 = Security not supported 17 = Incorrect message length (encryption only) 18 = Message authentication code failed 23 = Transaction set control number not unique within the functional group. 24 = S3E security end segment missing for S3S security. 25 = S3S security start segment missing for S3E security. 26 = S4E security end segment missing for S4S security 27 = S4S security start segment missing for S4E security end segment.
AK906	716		O	Functional Group Syntax Error Code	ID	1	3	
AK907	716		O	Functional Group Syntax Error Code	ID	1	3	
AK908	716		O	Functional Group Syntax Error Code	ID	1	3	
AK909	716		O	Functional Group Syntax Error Code	ID	1	3	
This segment acknowledges acceptance or rejection of a functional group. Refer to the X12 standards guide for further definition.								

Transaction Set Trailer Description

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

End of Transaction Set

An example of a 997 ACK can be found below. This 997 contains ACKs for four 813s received in one ISA/GS envelope.

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

ISA~00~000000000~00~000000000~ZZ~040539587000000~ZZ~123456789000000~990913~1512~|~00403~00000001
~0~P~^\\

GS~FA~040539587050~INTERNALROUTING~19990913~1510~1001~X~004030\\

ST~997~0014\\

AK1~TF~52001\\

AK2~813~000000124\\

AK5~A\\

AK9~A~1~1~1\\

SE~6~0014\\

ST~997~0015\\

AK1~TF~52001\\

AK2~813~000000125\\

AK5~A\\

AK9~A~1~1~1\\

SE~6~0015\\

ST~997~0016\\

AK1~TF~52001\\

AK2~813~000000126\\

AK5~A\\

AK9~A~1~1~1\\

SE~6~0016\\

ST~997~0017\\

AK1~TF~52001\\

AK2~813~000000127\\

AK3~N01~124~~1\\

AK5~R\\

AK9~R~1~1~1\\

SE~7~0017\\

GE~4~1001\\

IEA~1~000000001\\

Chapter 11 – XML Reporting Standards

XML Reporting Standards

This will provide a brief overview of the Motor Fuel XML initiative. The decision to redesign the Motor Fuel XML was based on input from government, industry and software representatives.

The original Fuel XML was developed prior to the creation of the current XML national standards. The new XML schema(s) have taken advantage of the work that has been accomplished in the past few years by TIGERS and the IRS as they have evolved the new Modernized eFile (MeF) model into the current generation of XML standards for return format and transmission.

The EC guide will include the overview, a high level diagram of the XML structure, the associated XML and a comparison of EDI to XML. The new schema(s) for the Supplier, Terminal Operator, Distributor, Common Carrier, Retailer reports and supporting documentation will reside on the FTA maintained StateMeF Web site. Our team will create the Information Sharing schema(s) in phase two development. Below is some of the underlying design rules used in this project.

Design rules:

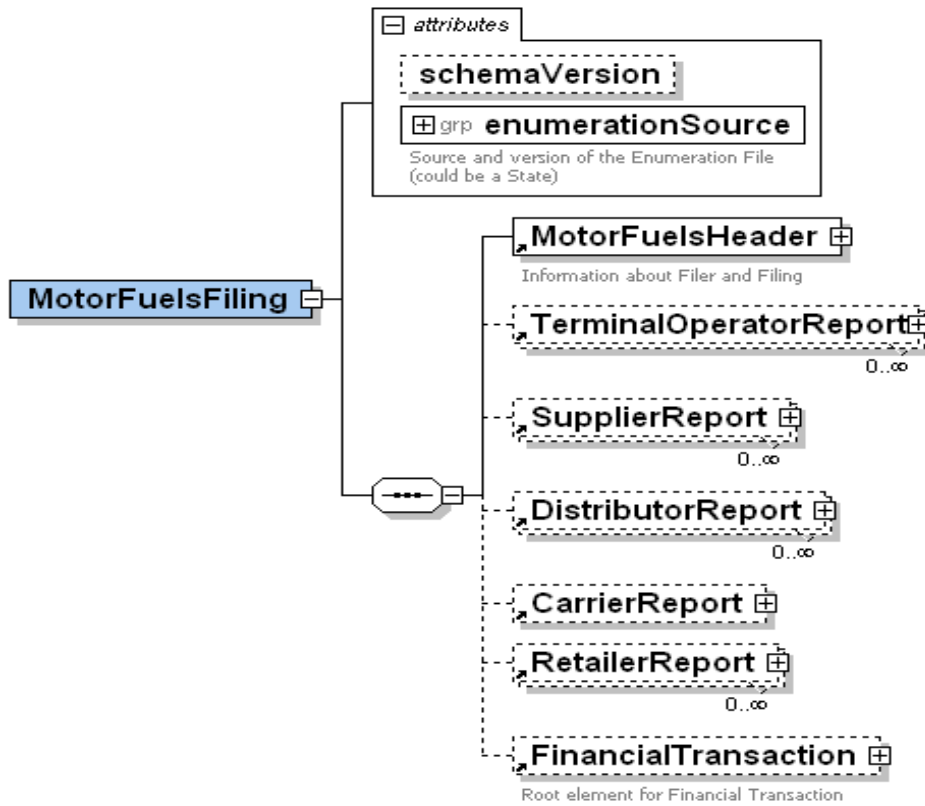
- Development is a joint Motor Fuel Uniformity and TIGERS initiative.
- Data structures will be based on Motor Fuel Uniformity approved forms.
- Utilize Modernized eFile work to allow states and companies to leverage already deployed initiatives in Corporate, Streamlined Sales, Payroll and Personal Income Tax programs.
- Use existing Uniformity codes list such as Schedule, Product and Mode.
- Convert 5000 series TIA summary codes to XML elements.
- Concentrate on individual filings/reports for the 5 major license types.
- Development Web Services for Motor Fuel filing(s).
- Publish an implementation ready version of the XML schema(s) by September of 2009.

The joint Motor Fuel E-Commerce committee and TIGERS work group have created draft XML that is ready for implementation. This was accomplished during work sessions at the Uniformity and TIGERS meetings. Additional work was completed via conference calls and with WebEx workshops. This is a volunteer group and we welcome anyone interested in working on this initiative as we move forward. Please contact Traci Bullock, E-Commerce State Co-Chair if your state is interested in utilizing XML or wants to be part of this ongoing project.

Draft schema(s) and supporting documentation are now available at:

www.statemef.com / Projects / Motor Fuel

This is a diagram of the high level Motor Fuel structure. The components contain the version, header, return and financial information. You can view the detail for each of these schemas on the StateMeF site.



Schema (for previous diagram)

```

<?xml version="1.0" encoding="UTF-8"?>
<!-- edited with XMLSpy v2008 rel. 2 sp2 (http://www.altova.com) by Larry Hanson (CA Board of Equalization) -->
<xs:schema xmlns:xs="http://www.w3.org/2001/XMLSchema" elementFormDefault="qualified"
attributeFormDefault="unqualified" version="1.0">
  <xs:element name="MotorFuelReturn">
    <xs:annotation>
      <xs:documentation>Schema for a state Motor Fuel return in TIGERS standard format</xs:documentation>
    </xs:annotation>
    <xs:complexType>
      <xs:sequence>
        <xs:element name="MotorFuelsHeader">
          <xs:annotation>
            <xs:documentation>Information needed to process the return, such as taxpayer id, address, contact and
            period covered</xs:documentation>
          </xs:annotation>
        </xs:element>
        <xs:element name=" TerminalOperatorReport" minOccurs="0">
          <xs:annotation>
            <xs:documentation>This expands to the XML structure for the Operator report</xs:documentation>
          </xs:annotation>
        </xs:element>
        <xs:element name="SupplierReport " minOccurs="0">
          <xs:annotation>
            <xs:documentation>This expands to the XML structure for the Supplier report</xs:documentation>
          </xs:annotation>
        </xs:element>
        <xs:element name="DistributorReport" minOccurs="0">
          <xs:annotation>
            <xs:documentation>This expands to the XML structure for the Distributor report</xs:documentation>
          </xs:annotation>
        </xs:element>
        <xs:element name="CarrierReport" minOccurs="0">
          <xs:annotation>
            <xs:documentation>This expands to the XML structure for the Carrier report</xs:documentation>
          </xs:annotation>
        </xs:element>
        <xs:element name="RetailerReport" minOccurs="0">
          <xs:annotation>
            <xs:documentation>This expands to the XML structure for the Retailer report</xs:documentation>
          </xs:annotation>
        </xs:element>
        <xs:element name="FinancialInformation" minOccurs="0">
          <xs:annotation>
            <xs:documentation>Root for the Financial transaction (similar to EDI BPR)</xs:documentation>
          </xs:annotation>
        </xs:element>
      </xs:sequence>
    </xs:complexType>
  </xs:element>
</xs:schema>

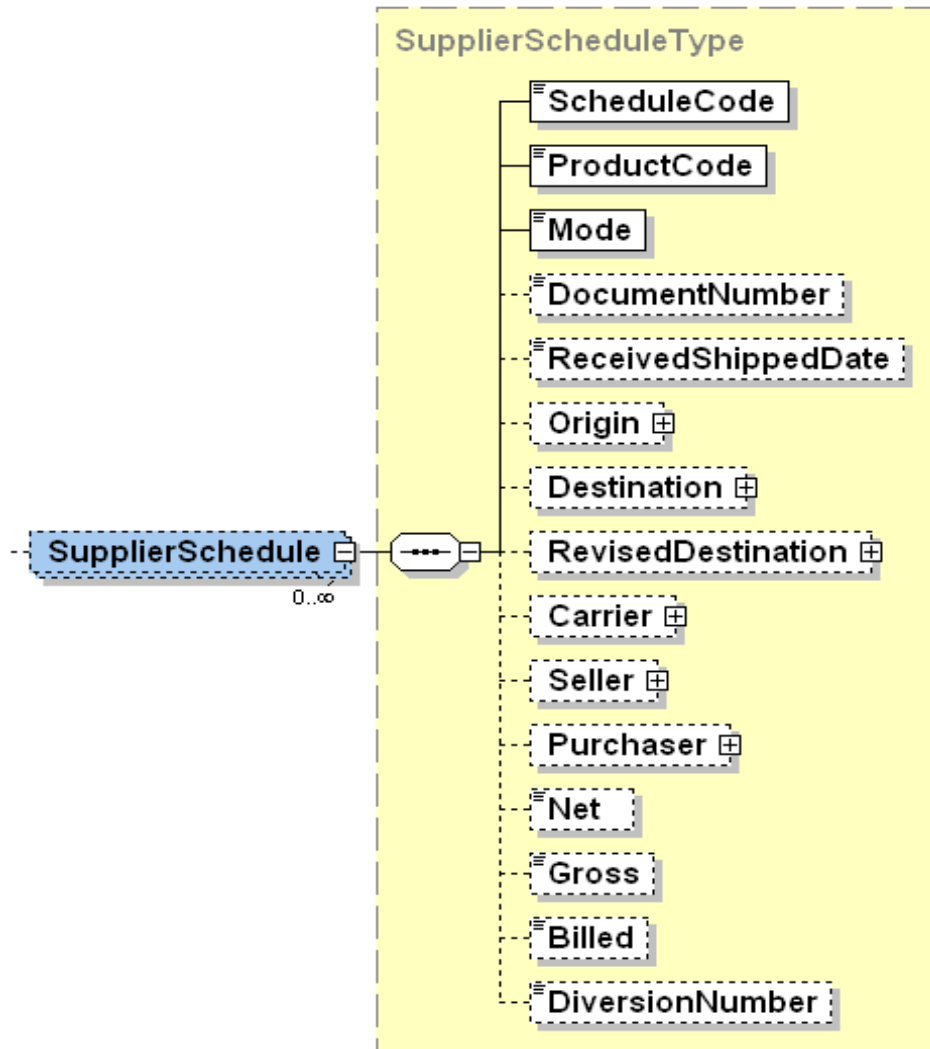
```

```

        </xs:sequence>
    </xs:complexType>
</xs:element>
</xs:schema>
    
```

Note: The schema(s) have been removed from the EDI guide and reside on the StateMeF Web site ([www.statemef.com / Projects / Motor Fuel](http://www.statemef.com/Projects/Motor%20Fuel)). Please visit the site for the XML schema(s) and supporting documentation.

The next 3 pages contain examples of EDI and XML output for a typical receipt schedule detail. These examples are included to highlight how “user” friendly XML output is compared to traditional EDI output. EDI was designed for one computer to talk to another computer via their EDI translators. XML was designed to create human readable output that could also be processed efficiently by a computer.



Example of an EDI segment that captures the Schedule, Product and Mode compared to the same information as it would appear in XML output:

EDI segment for Schedule, Product and Mode

TFS~T3~3A~PG~065~94~J \

XML for Schedule, Product and Mode elements

```
<ScheduleCode>3A</ScheduleCode>  
<ProductCode>065</ProductCode>  
<Mode>J</Mode>
```

Example of EDI receipt schedule output:

```
TFS~T3~3A~PG~065~94~J \
N1~OT~~TC~T62TN2200\
N1~SE~FUNKY FUEL INC.~24~137777777\
N1~CA~HAULING STUFF~24~591234567\
N1~WD~~FA~018500002\
FGS~D~BM~ SampleRec\
DTM~095~20090211\
TIA~5005~~~1065~GA\
```

Same example but in an XML receipt schedule output:

- <SupplierSchedule>
- <ScheduleCode>3A</ScheduleCode>
- <ProductCode>065</ProductCode>
- <Mode>J</Mode>
- <DocumentNumber>SampleRec</DocumentNumber>
- <ReceivedShippedDate>20090211</ReceivedShippedDate>
- <Origin>
- <TerminalCode>T62TN2200</TerminalCode>
- </Origin>
- <Destination>
- <FacilityNumber>018500002</FacilityNumber>
- </Destination>
- <Carrier>
- <Fein>591234567</Fein>
- <Name>HAULING STUFF</Name>
- </Carrier>
- <Seller>
- <Fein>137777777</Fein>
- <Name>FUNKY FUEL INC.</Name>
- </Seller>
- <Net>1065</Net>
- </SupplierSchedule>

Please contact the Motor Fuel EC Subcommittee State Co-Chair or Team Lead for the XML Schema Workgroup if your state is interested in utilizing XML or want to be part of this ongoing project.

Draft schema(s) and supporting technical documentation are now available at:

www.statemef.com / Projects / Motor Fuel

Chapter 12 - Motor Fuel Tax Web Pages

Introduction

The Motor Fuel Tax EC Subcommittee recommends that state tax administrators adopt a standard internet interface for motor fuel taxpayers. A standard interface will help taxpayers to access the forms and information they need, regardless of the number of states in which they do business. Such access will also be helpful to other states as they look for comparable information. Each state motor fuel tax Web site will include a predictable number of links and a standard set of informational categories, although the precise look and feel of each site will remain specific to the state. This will also help states to build Web sites that include all the information taxpayers need, by providing a map to Web developers.

Guidelines

The standard interface will consist of a recommended set of links to pertinent motor fuel tax information, forms, and frequently asked questions. This set of links, or Standard Categories, with suggested subcategories, is:

Frequently Asked Questions (FAQs)

Forms and Publications

Fuel Tax Rates

Laws, Regulations and Notices

- Current Laws

- Legislation

- Current Regulations

- Proposed Regulations

- Departmental Notices or Newsletters

Licenses

- Distributors (or suppliers)

- Carriers

- Retailers

- How to obtain a license

Electronic Filing & Payment

- EDI Guide

- EFT

- FAQs

Contact Us

- Email us

- Write us

- Call us

Under each of the category headings, states may place links to whatever types of information they require. For example, under FAQs, a state may wish to link to FAQ pages for IFTA, for motor fuel tax, or for registration. The links will vary by state, but the category headings should remain standard. Taxpayers would then have the benefit of always knowing where to find certain types of information, no matter what state page they are using.

Taxpayers and administrators may have different sets of needs. Therefore, the EC Subcommittee also includes this list of suggested Categories, which will contain additional links. States may adopt and include whatever Optional Categories they wish, but the EC Subcommittee recommends that the Optional categories be placed after the set of Standard categories.

The Optional Categories are:

IFTA

Fuel Tax Statistics

Other Links

Marketers' Associations

IRS -- Forms and Publications

IRS -- Excise

When each state develops its Motor Fuel Tax Web Interface, it should forward the URL of the interface page to Jonathan Lyon of the FTA at jonathan.lyon@taxadmin.org so that the link may be included on the FTA's motor fuel tax links to the states. If you already have such a web page, please forward the URL to FTA even though you may be changing the content.

Appendix A - Sample Trading Partner Agreement

(State Header)

Trading Partner Agreement For Electronic Data Exchange

This Agreement is entered into on _____(date), by and between the (*State Agency*) ("Department") and _____ ("Licensee").

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

1. **Terms and Amendments:** This agreement shall be effective on the date shown above and shall continue until terminated by either party. A party may terminate this agreement by giving thirty (30) days written notice to the other party or by the cancellation of their Motor Fuels License. This agreement may be amended at any time by executing a written addendum signed by both the Licensee and the Department.
2. **Standards:** The Licensee will electronically transmit report(s) to the Department according to the Department's standards and instructions that may be revised/updated by the Department from time to time. The Department will provide these standards and instructions to the Licensee in a reasonable time frame in advance of due dates to allow compliance with filing requirements.
3. **Transmission:**

(Definition of individual state's requirements for transmission. i.e. VAN, Direct Dial, Internet)
4. **System Operations and Security Procedures:** The Licensee, at its own expense, shall provide and maintain the equipment, software, services and testing necessary for the Licensee to transmit the electronic report(s). The Department, at its own expense, shall provide and maintain the equipment, software, services and testing necessary for the Department to receive the electronic report(s). Each party shall use security procedures which are reasonably sufficient to ensure that all transmissions of the report(s) are authorized and to protect its business records and data from improper access.

(Additional procedures defined by each state)
5. **Signatures:** The name of the Licensee's authorized agent, or the Licensee's identification number, when included as part of the report filed pursuant to this agreement, shall constitute the signature of the Licensee on the report as if such report were actually signed by the Licensee.
6. **Receipt of Transmission:** A report shall be deemed to have been filed with the department when the report, in the stipulated format, is accessible to the Department or the Department's third party service provider and meets the requirements of the taxing authority. If the Licensee attempts to file and is unable to do so because the Receipt Computer

Appendix B - Schedules and Sub-Schedules

See the FTA Motor Fuels Uniformity Manual for additional details on schedules.

Schedules of Receipts

Schedule 1

Gallons received tax paid

- 1A Gallons received, originating state tax-paid
- 1B Gallons for export, destination state tax-paid
- 1C Gallons received, tax-paid with a payment voucher
- 1D Gallons received, transfer fee paid
- 1E Gallons imported from another state into taxed storage from a licensed distributor, tax paid
- 1F Gallons received tax-paid and direct shipped to customer
- 1G Gallons fully taxed but at a reduced rate

Schedule 2

Gallons received from motor fuel licensee tax unpaid

- 2A Gallons received from terminals, refineries or distributors, origin tax-unpaid
- 2B Received tax-unpaid, blendable stock
- 2C Gallons received imported, tax-unpaid
- 2D Gallons received using a tax-exempt card/code
- 2E Gallons received for export
- 2F Gallons received tax free (resales) and direct shipped to customer
- 2G Gallons received tax-exempt for sale through barricaded pumps
- 2K Gallons of nontaxable fuel received and sold or used for a taxable purpose
- 2X Gallons received from suppliers on exchange agreements tax unpaid

Schedule 3

Gallons imported from another state direct to customer

- 3A Gallons imported from terminals/refineries
- 3B Gallons imported from bulk storage in another state
- 3X Imports below the terminal rack

Schedule 4

Gallons imported from another state into tax free storage

- 4A Gallons imported from another state into taxed storage
- 4B Gallons imported or transferred from in-state storage tax-free into in-state refinery storage

Schedules of Disbursements

Schedule 5

Gallons delivered tax collected

5A	Gallons sold to non-licensed distributors, retailers or bulk-end users from in-state terminals
5B	Gallons sold to non-licensed distributors, retailers or bulk-end users for imports
5C	Gallons sold to motor fuel licensee from in-state terminals
5D	Gallons sold to motor fuel licensee for import
5E	Gallons sold to bonded importers, occasional importers or tank wagon importers
5F	Dyed diesel gallons sold for taxable purposes from in-state terminals
5G	Dyed diesel gallons sold for taxable purposes for import
5H	Gallons sold as export from in-state terminals, originating tax collected
5I	Border Zone 1 Missouri
5J	Border Zone 2 Oklahoma
5K	Border Zone 3 Texas
5L	Border Zone 4 Louisiana
5M	Border Zone 5 Mississippi
5N	Border Zone 6 Tennessee
5O	Border Zone 7 (Extra)
5P	Border Zone 8 (Extra)
5Q	Gallons used on which tax is remitted
5R	Gallons delivered to Native American reservation tax collected
5S	Gallons sold as export from refinery (tax collected)
5T	Gallons reported for Pool Bond amounts
5U	Gallons sold into bulk storage of licensed motor carrier tax collected
5V	Gallons Disbursed, Tax Collected and subject to Oil Inspection Fees.
5W	Gallons of untaxed product blended with or added to fuel resulting in a product which is used as or is usable as a taxable fuel
5X	Gallons delivered and partially taxed
5Y	Tax Paid sales to railroad
5Z	Gallons sold for Racing Use-tax Collected
5AD	Gallons delivered to an airport and partially taxed
5HW	Aviation fuel converted to highway use
5LO	Fuel distributor subject to local option taxes

Schedule 6

Gallons delivered to motor fuel licensee – tax not collected

6A	Gallons sold tax-exempt, customer is a licensed exporter
6B	Gallons sold tax-exempt, customer is a licensed blender
6C	Gallons sold tax-exempt, customer is a licensed importer
6D	Gallons sold tax-exempt to other licensed distributors/supplier
6E	Gallons sold tax-exempt, customer is a licensed LPG vendor
6F	Gallons sold for tax-exempt purposes from in-state terminals
6H	Gallons sold or exchanged tax free with qualified refiner
6I	Gallons of undyed fuel sold to licensed importer/tank wagon operator-importer, tax not precollected
6J	Gallons delivered tax free into refinery storage
6P	Gallons sold to suppliers or permissive suppliers, tax not collected
6R	Gallons from refinery sold or exchanged with qualified refiners
6V	Gallons disbursed tax not collected and subject to Oil Inspection Fees
6X	Gallons delivered to suppliers or permissive suppliers on exchange agreements
6Z	Gallons sold for Racing Use-tax not Collected

Schedule 7

Gallons exported to state of _____

7A	Gallons exported, destination state tax-paid
7B	Gallons sold for export, originating state tax-paid
7C	Gallons for free trade zones
7D	Gallons exported in bulk
7F	Exports of reported products below the terminal rack

7R Gallons exported from refinery storage

Schedule 8

Gallons delivered to US Government – tax exempt

8A Gallons sold to U.S. Government tax-exempt from in-state
8K Kerosene sales (information only)
8R Gallons sold to U.S. Government tax-exempt from refinery

Schedule 9

Gallons delivered to state and local government tax exempt

9A Gallons sold directly to the state from in-state terminals
9C Gallons sold directly to local public schools from in-state terminals
9E Gallons for county, city or town use
9F Gallons sold to licensed charter schools
9G Gallons sold to community colleges
9R Gallons sold to state and local government from refinery

Schedule 10

Gallons delivered to other tax exempt entities

10A Gallons delivered to other tax-exempt entities (farmers and fisherman) or non-highway
10B Gallons delivered to tax-exempt licensed general aviation fuel dealers
10C Gallons delivered to tax-exempt common carriers for urban mass transportation
10D Credit card sales to tax-exempt diplomats and missions by dealers
10E Gallons delivered to customers representing uncollectible motor fuel vehicle fuel taxes
10F Gallons delivered to tax-free storage
10G Gallons of other authorized tax-exempt sales
10H Sales to tax-exempt hospitals
10I Gallons delivered tax-exempt for farming
10J Gallons delivered to consumers or filling stations tax-free
10K Gallons delivered to airlines and self use in own aircraft
10M Gallons of unenhanced diesel product delivered for manufacturing processing or assembly
10R Gallons delivered for use as bunker fuel in vessels
10T Gallons delivered to Indiana Tribes
10U Gallons delivered fees-exempt
10Y Gallons delivered tax exempt to railroad
10Z Blendstock removed tax exempt not in connection with a sale, which will not be used to produce a finished fuel.
10AB Blendstock removed tax exempt in connection with a sale when the buyer has issued a properly executed exemption certificate stating the blendstock will not be used to produce a finished fuel

Schedule 11

Schedule of state diversions

11A Diversion to state of _____
11B Diversion from state of _____

Schedule 12

Vendor Schedule

Schedule 13

Schedule of Credits and Refunds

- 13A Tax-paid fuel exported
- 13B Tax-paid fuel sold to a consulate officer or employee by credit card
- 13C Tax-paid fuel sold to the United States Government
- 13D Tax-paid fuel sold for use on farm
- 13E Tax-paid fuel sold to exempt bus operators
- 13F Schedule of bad debts
- 13G Tax-paid fuel sold to train operators
- 13H Tax paid fuel sold to state or local government
- 13J Tax-paid fuel sold tax-free for temperature control units (reefer) and PTO or with exemption certificate or used in an exempt manner
- 13K Credit or Deduction for Alternative Fuel
- 13L Credit for gallons sold for Racing Use-tax Collected
- 13M Refund or credit for the second tax paid when tax paid fuel is removed from a terminal as a second taxable event
- 13N Tax paid fuel used to produce a nontaxable product such as a fuel additive

Schedule 14

Common and Contract Petroleum Product Carrier Report

- 14A Carrier deliveries in another state (export)
- 14B Carrier deliveries received from another state (import)
- 14C Carrier deliveries between points in the state (intrastate)
- 14D Carrier receipts
- 14E Carrier deliveries

Schedule 15

Terminal Operator Report

- 15A Terminal Receipts
- 15B Terminal Disbursements
- 15C Terminal Operator Schedule of Inventories

Appendix C - Product Codes

Uniform Forms FTA Product Codes

FTA Motor Fuel Tax Section Uniformity Committee and the Canadian Fuel Tax Council have adopted the following codes for the product codes to be used on the Uniform Forms.

Product	Code
Alcohol	123
Ethanol (100%).....	E00
(Percentage of ethanol).....	E01-E99
Gasohol Ethanol Blend (Rollup Code)	124
Methanol (100%)	M00
(Percentage of methanol).....	M01-M99
Asphalt	188
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
Waste Oil.....	091
Xylene	076
Biodiesel – Undyed	170
Biodiesel - Undyed (100%).....	B00
(Percentage of biodiesel-undyed).....	B01-B99
Biodiesel – Dyed	171
Biodiesel - Dyed (100%).....	D00
(Percentage of biodiesel-dyed)	D01-D99

Product	Code
Compressed Natural Gas (CNG).....	224
Crude Oil -----	001
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
Heating Oil -----	152
Hydrogen -----	259
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 (LNG)-----	225
Marine Gas Oil-----	280
Marine Diesel Oil-----	279
Mineral Oils -----	281
Natural Gasoline-----	061
Organic Oils-----	960

Product	Code
Propane-----	054
Residual Fuel Oil-----	175
Soy Oil-----	285
Transmix-----	100
Undefined products-----	092

Appendix D - Summary / TIA / Schedule Codes

Procedures for Additions/Deletions/Modifications

In order to promote consistency and uniformity in the implementation of Motor Fuel Tax Reporting, the Uniformity Committee has developed listings of data elements and associated Tax Information and Amount (TIA) codes, Summary codes, and Schedule codes. Any state implementing a new EC or FTA Uniformity sponsored program is asked to utilize codes from the appropriate list when mapping or developing motor fuel returns/reports.

Anyone needing a code not on this list should follow the procedure outlined below:

State tax administrator should submit the **Summary / TIA** Code request to the current EC Subcommittee state co-chair and the **Schedule** Code request to the current Forms Subcommittee state co-chair detailing the following information (see list of current Subcommittee co-chairs in the FTA Motor Fuel Tax Section, Uniformity Project Guide) using the FTA Uniform Summary / TIA / Schedule Code Request Form. The form may be submitted through e-mail or regular mail. The request includes the following:

1. Identify which type of code is being requested.
2. The name and description of the Summary / TIA / Schedule code(s).
3. Provide a description of the need for the addition/deletion/modification. Include an explanation of the code's use and why existing codes do not meet your needs. It is recommended a representative of your state, knowledgeable of this topic, attend the FTA Uniformity subcommittee meeting where this will be discussed.
4. Identify the transaction set in which the code will be used (if applicable).
5. Version of the map to be used (if applicable).
6. Date code is needed.
7. The line number on the paper return to which the code corresponds (if applicable).

The Subcommittee state co-chair, upon receipt of the request, shall take the following actions:

1. Distribute copies to Subcommittee members for review and discussion.
2. Review the most current list of Summary / TIA / Schedule codes to determine if the requested code already exists.
3. Place the proposed change on the agenda of the next Uniformity Committee Meeting for formal review. It is highly recommended that the requestor be present for any discussion regarding the adoption of the requested code.
4. If the proposed change is adopted, revise and distribute the updated FTA Summary / TIA / Schedule Code List.
5. If the proposed change is rejected or modified, inform the requesting administrator of the reasons for the rejection and the proper code(s) to be used.

If a Summary, TIA, or Schedule code must be assigned before the above mentioned approval process can be completed, the state co-chairperson may assign a Summary / TIA / Schedule code temporarily. This code will be reviewed for adoption at the next FTA Uniformity meeting. To receive a code before the next Uniformity meeting follow these steps:

1. Complete the FTA Uniformity Summary / TIA / Summary Code Request Form.
2. Submit the request to the appropriate Subcommittee state co-chair.
3. The Subcommittee state co-chair will evaluate the request and respond to the requestor within one week of the receipt of the request.

Summary code numbers are a 3 to 6 character string in the format x99x99 where "x" represents a letter and "9" represents a number.

- | | |
|----|---|
| x | = S – Summary Code. |
| 99 | = Primary category of the summary codes. |
| x | = Sub-category. |
| 99 | = Further break down of the sub-category. |

FTA – Motor Fuels Tax Section - Uniformity Summary / TIA / Schedule Code Request Form

1. Type of Code being requested: Summary TIA Schedule
2. State requesting Code: _____
3. Map for which the code is needed (*if applicable*)
 813 826 XML Other _____ N/A
4. Version of map being used (*if applicable*)
 3050 4010 4030 Other _____ N/A
5. To which line on your paper return will this code correspond? *Attach a copy of your paper return if applicable.*
_____ N/A
6. What category does the requested code fit in?
 FTA Uniformity not derivable from schedules.
 FTA Uniformity derivable from schedules.
 State Specific not derivable from schedules.
 New Schedule
7. Does another code come close to describing the code being requested? _____
8. If yes, why won't the existing code work for your needs? _____

9. Proposed description of code: _____

10. How will the code be used _____

11. Why is this code needed _____

12. Date code needed _____
13. Contact name _____
A. Telephone number _____
B. Address _____
C. E-mail address _____
D. Fax number _____
E. Will someone be at the next meeting to discuss this requested code Yes No

NOTE: Submit your FTA Uniformity Summary / TIA / Schedule Code Request Form according to the procedures outlined in Appendix D of the Motor Fuels Tax Section, Uniformity Project, Electronic Commerce – North American Combined Reporting Methods X.12 and XML Electronic Data Exchange Implementation Guide.

Approved By _____	Date Issued _____	Code Issued _____
--------------------------	--------------------------	--------------------------

Summary Code and TIA Code Usage

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

813 Map

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

820 Map

No TIA or summary codes used.

826 Map

1. Header – TIA code 5000 defines the version/publication number of the taxing authority’s EC Implementation Guide. TIA code 5001 (Total Net Reported) is a check value for determining if all information is included in the EDI file.
2. Schedules – TIA 5005 (Net), 5006 (Gross) and 5007 (Billed) are used to report bill of lading volume details or further define summary detail.

151 Map

No TIA or summary codes used.

Summary Codes

- S01 Inventory**
- S01A Net Gains / Losses
 - S01B Casualty Loss
 - S01C Product Transfer – Disbursement
 - S01D Product Transfer – Receipt
 - S01E Meter Test – Disbursement
 - S01F Meter Test - Receipt
- S02 Taxes / Fees**
- S02A Tax
 - S02B Transfer / Lust Fee
 - S02C Inspection Fee
 - S02D Other Environmental Fee
 - S02E Gaseous Permit Fee
- S03 Credit**
- S03A Tax Credit
 - S03A01 Collection Allowance (*IN – February 2002*)
 - S03B Fee Credit
 - S03B01 Transfer Fee Credit (*MO – September 2001*)
 - S03B02 Inspection Fee Credit (*MO – September 2001*)
 - S03C Allowance
- S04 Bad Debt Write-off**
- S04A Tax Bad Debt Write-off
 - S04B Fee Bad Debt Write-off
- S05 General Return**
- S05A Gallons/Liters Refined, Distilled or produced
 - S05B Petroleum product repackaged into containers of 55 gallons or less
 - S05C Ethanol Blended with Gasoline
(*S05C is being phased out as of September 2005, see S05M01*)
 - S05D Product Delivered
 - S05E Other petroleum products first sold, offered for sale, or used in state (*NB*)
 - S05F Total gallons of Motor Vehicle fuel first sold, offered for sale or used in state (*NB*).
 - S05G Untaxed diesel used in a licensed vehicle
 - S05H Kerosene blended with diesel and used in a licensed vehicle.
(*S05H is being phased out as of Septembet 2005, see S05M02*)
 - S05I Other exempt removals (*CA – May 2001*)
 - S05J Approved for deduction (*MS – January 2004*)
 - S05K Taxable sales total dollar amount (*ND – January 2004*)
 - S05L Taxable sales gallons multiplied by the average sales price for a defined period
(*ND – January 2004*)
 - S05M Product Blended
 - S05M01 Product Blended with Gasoline
 - S05M02 Product Blended with Undyed Diesel
 - S05M03 Product Blended with Dyed Diesel

FTA Uniformity TIA Codes

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

Appendix E - Transaction Type Mode Codes

Transaction Type Mode Codes	
Code	Description
J	Truck
R	Rail
B	Barge
S	Ship
PL	Pipeline
GS	Gas Station
BA	Book Adjustment
ST	Stationary Transfer
RT	Removal from Terminal (other than by truck or Rail) for sale or consumption

The X12 standard requires 2 characters in the field using this code. When a single letter, left justify and pad with a space.

Appendix F - USA States, Canadian Provinces/Territories and Mexican States Codes

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

Appendix G - Tax Payment Code Lists

These codes are used in the TXP02 segment of the 820 Payment Order Remittance map. These codes are defined and maintained by the FTA and can be found on their web page under Electronic Tax Administration.

TXP02		Description
Tax Payment Type Code	State Defined Tax Payment Type Sub-code (2-Digits)	
050	00 - 99	Motor Fuels Taxes
051	00 - 99	Gasoline
052	00 - 99	Special/Diesel Fuel
053	00 - 99	Motor Fuel Use Tax
054	00 - 99	Aviation Fuel
055	00 - 99	LP Gas
056	00 - 99	Sales Tax on Fuel
057	00 - 99	Local Option Fuel Tax

These codes are used in the TXP04 segment of the 820 Payment Order Remittance map. This code list is information maintained by the FTA. After consultation with the states.

Code	Description
T	Tax
P	Penalty
I	Interest
S	State
L	Local
C	City or County
F	Fee

Appendix H - Error Response Codes

These codes are used to return a response to a taxing authority the has sent a 151 transaction set containing records in error.

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

Appendix I - Report Codes

TOR Terminal Operator

SDR Supplier/Distributor Report

CCR CommonCarrier Report

RET Retailer Report

Appendix J - Book Adjustments for Products Rebranding

Example 1 - Book Adjustments

Distributor

Distributor B purchases 1,000 gallons of gasohol from Distributor A. Distributor A received the gasohol components as follow:

100 gallons of alcohol from Distributor Y
900 gallons of gasoline from Distributor X

Distributor A has the above products listed as such in its inventory but needs to record the sale of the Gasohol. To accomplish the reduction of the alcohol and gasoline and to account for the sale of the gasohol, Distributor A will need to record the rebranding of the products from Alcohol/Gasoline to Gasohol.

Below is a mapped EDI example of the rebranding:

Distributor's Receipts

Alcohol

TFS~T3~2~PG~123~94~J\

Original entry for receipt of prod/code 123

REF~55~325\

N1~SF~IA\

State where original gallons received

N4~Council Bluff~IA\

City where the original gallons received

N1~SE~Distributor Y~24~848888888\

Receipt of gasoline from Distributor Y

FGS~D~BM~34882\

REF~55~326\

DTM~095~19990919\

Date the original receipt of product

TIA~5005~~~100~GA\

Net amount of gallons in receipt

TIA~5006~~~99~GA\

Gross amount of gallons in receipt

TIA~5007~~~100~GA\

Billed amount of gallons in receipt

Distributor's Receipts

Gasoline

TFS~T3~2~PG~065~94~J\

Original entry for receipt of prod/code 065

REF~55~327\

N1~SF~CA\

State where original gallons received

N4~Council Bluff~IA\

City where the original gallons received

N1~SE~Distributor X~24~849999999\

Receipt of gasoline from Distributor X

FGS~D~BM~34852\

REF~55~328\

DTM~095~19990919\

Date the original receipt of product

TIA~5005~~~900~GA\

Net amount of gallons in receipt

TIA~5006~~~895~GA\

Gross amount of gallons in receipt

TIA~5007~~~100~GA\

Billed amount of gallons in receipt

Distributor’s Disbursement (rebrand -out)

Alcohol	
TFS~T3~6~PG~123~94~BA\ REF~55~329\ FGS~D~BM~REBRAND\ N1~ST~CA\ N4~Council Bluff~IA\ REF~55~330\ DTM~095~19990919\ TIA~5005~~~100~GA\ TIA~5006~~~99~GA\ 	Book Adjustment for product code 123 States choice of how to identify rebrand State where rebrand occurred City where rebrand occurred Date the rebrand took place Net amount of gallons in rebrand Gross amount of gallons in rebrand

Distributor’s Disbursement (rebrand -out)

Gasoline	
TFS~T3~6~PG~065~94~BA\ REF~55~331\ FGS~D~BM~REBRAND\ N1~ST~CA\ N4~Council Bluff~IA\ REF~55~332\ DTM~095~19990919\ TIA~5005~~~900~GA\ TIA~5006~~~895~GA\ 	Book Adjustment for product code 065 States choice of how to identify rebrand State where rebrand occurred City where rebrand occurred Date the rebrand took place Net amount of gallons in rebrand Gross amount of gallons in rebrand

Distributor’s Receipt of Rebrand as Gasohol

Gasohol	
TFS~T3~2~PG~124~94~BA\ REF~55~333\ N1~SF~CA\ N4~Council Bluff~IA\ FGS~D~BM~REBRAND\ REF~55~334\ DTM~095~19990919\ TIA~5005~~~1000~GA\ TIA~5006~~~994~GA\ 	Book Adjustment for receipt of rebrand State where rebranded gallons received City where the rebranded gallons received Date the rebrand took place Net amount of gallons in rebrand Gross amount of gallons in rebrand

Distributor’s Disbursement (rebranded product being sold)

Gasohol	
TFS~T3~6~PG~124~94~J\ REF~55~335\ FGS~D~BM~34582\ N1~BY~Distributor B~24~84777777\ N1~ST~CA\ N4~Council Bluff~IA\ REF~55~336\ DTM~095~19990919\ TIA~5005~~~1000~GA\ TIA~5006~~~994~GA\ TIA~5007~~~1000~GA\ 	Sale of rebranded product 124 Invoice number of product out Purchaser of product State product is destined City where the gallons destined Date the sale took place Net amount of gallons in sold Gross amount of gallons in sold Billed amount of gallons in sold

Example 2 - Rebranding Above the Rack

Book Adjustments Requiring Corresponding Entries

Rebranding of products is to be reported by a book adjustment (BA). Rebranding, the above the rack transfer of one product into storage of another product, must be reported by a book adjustment reflecting a disbursement terminal (15B) of one product and a corresponding terminal receipt (15A) of the second product. The product codes for the disbursements and receipts should be different, but the total gallons for the receipts and disbursements must be the same.

Example 1

You have a customer who needs 10,000 gallons of high-sulfur diesel. Your terminal is low on high sulfur diesel (226) but has an abundance of kerosene (072). You decide to move the kerosene into the high sulfur diesel fuel storage to accommodate your customer's needs. You would need to create an entry that would decrease your terminal's kerosene inventory and increase your terminal's high sulfur diesel inventory. You would need two book adjustment entries, the first being a 10,000 gallon entry to your terminal disbursements (15B) for kerosene (072) and second entry to record the receipt (15A) of the high sulfur diesel (226). The mapping would read as follows:

Disbursement

TFS~T3~15B~PG~072~94~BA\ REF~55~325\ N1~OT~~TC~T57SC0000\ N1~ON~Tiger Terminal~24~571234567\ FGS~D~BM~REBRAND\ REF~55~326\ DTM~095~20041020\ TIA~5005~~~10000~GA\ TIA~5006~~~10000~GA	Book Adjustment for product code 072 Terminal where rebrand happened Owner of product in terminal Date the rebrand took place Gross amount of gallons in rebrand
---	--

Receipt

TFS~T3~15A~PG~226~94~BA\ REF~55~327\ N1~DT~~TC~T57SC0000\ N1~ON~Tiger Terminal~24~571234567\ FGS~D~BM~REBRAND\ REF~55~328\ DTM~095~20041020\ TIA~5005~~~10000~GA\ TIA~5006~~~10000~GA	Book Adjustment for product code 226 Terminal where rebrand happened Owner of product in terminal Date the rebrand took place Gross amount of gallons in rebrand
---	--

Book Adjustments Requiring Only 1 Entry

If there is a transfer that involves a non-reporting product, there would only be an entry showing the disbursement of the non-reporting product. There would be no corresponding entry.

Please see the above Disbursement mapping for an example.

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