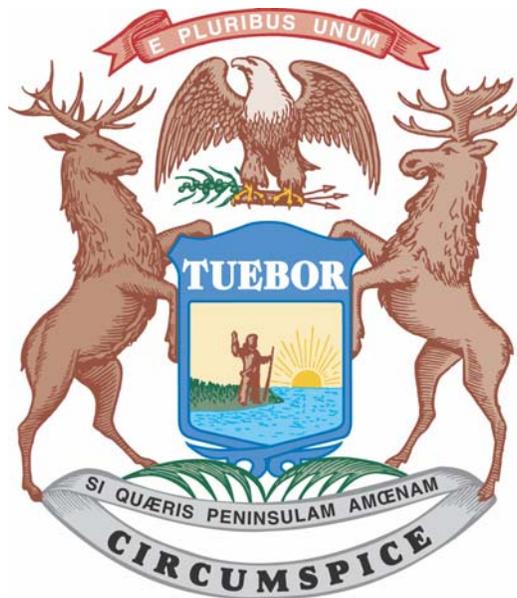


MICHIGAN

Department of Treasury
Motor Fuel Tax Section
EDI Implementation Guide
ANSI ASC X.12 V4030



Version 4.0
January 2008

TABLE OF CONTENTS

Chapter 1 Introduction.....	1-4
General	1-4
Treasury Contact.....	1-4
Assistance for Persons with Disabilities	1-4
Document Updates	1-5
Basic Introduction to EDI.....	1-5
Chapter 2 Program Overview.....	2-7
Role of the Software Developer.....	2-7
Program Benefits	2-7
Who Can Participate.....	2-8
Acceptable Electronic Formats.....	2-8
Web Direct Filing.....	2-8
Valid Transmission Methods.....	2-8
Security.....	2-9
Requirement to Provide FEIN	2-9
Chapter 3 Getting Started.....	3-9
Registration.....	3-9
Timely Filing	3-10
Acknowledgments	3-10
Testing Procedures	3-10
Amended Returns	3-11
Diversions.....	3-11
Two-Party Exchanges.....	3-11
Important Tips	3-11
Chapter 4 EDI Mapping Requirements.....	4-12
Description	4-12
813 Transaction Set Structure and Usage	4-12
Filing Multiple Forms in a Single Transmission	4-13
Separator Requirements.....	4-13
Attribute Conventions.....	4-14
Chapter 5 - 813 EDI Combined Reporting.....	5-15
ANSI ASC X.12 –813 EDI Standards	5-15
813 Combined Reporting Structure	5-17
Key:	5-17
Not Used by Michigan.....	5-17
Text that is grayed out is not used by the State.....	5-17
813 Map Flow.....	5-18
813 Motor Fuels EDI Map.....	5-19
Transaction Set – Terminal Operator Report (TOR)	5-26
Transaction Set – Identify Report Types	5-28
Summary Information.....	5-30
Schedules.....	5-31

Appendix A – Applications	38
Appendix B - Michigan Schedule Code List.....	39
Appendix C - Product Codes	44
Appendix D - Summary Codes / TIA Codes.....	45
Appendix E Transaction Type Mode Codes.....	47
Appendix F - USA States, Canadian Provinces/Territories and Mexican State Abbreviations	48
Appendix G - Sample Returns	49

References:

- ASC X.12 Standards Manual
- FTA Uniformity Guide

Chapter 1 Introduction

General

Thank you for your interest in the Michigan Department of Treasury Motor Fuel Electronic Filing (E-Filing) Program. This guide contains the required electronic file formats as well as general instructions needed to file motor fuel tax information (tax returns and reports) electronically with the Michigan Department of Treasury (Treasury). This guide is designed to provide the rules, procedures, and technical requirements for the electronic filing of motor fuel taxes by Information Providers (Michigan licensees and registrants), Electronic Return Originators (ERO) (also known as Transmitters”), and Electronic Data Interchange (EDI) Software Developers, collectively referred to as Electronic Participants. All areas presented in this guide must be followed for successful participation in the Motor Fuel E-Filing Program. Information Providers eligible to participate in the E-Filing Program include Terminal Operators, Suppliers, Importers, Exporters, Carriers, Blenders and Transporters. All other filers will be allowed to file in the web direct format.

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

Treasury Contact

Direct questions regarding the Motor Fuel E-Filing Program to the Special Taxes Section between the hours of 8:00 a.m. and 4:45 p.m., Eastern Standard Time, Monday through Friday, at:

Phone: (517) 636-4600

FAX: (517) 636-4593

E-mail: treasMFD@michigan.gov

You may write to us at the following address:

Michigan Department of Treasury
Customer Contact Division - Special Taxes
P.O. Box 30474
Lansing, MI 48909-8209

Assistance for Persons with Disabilities

Assistance for persons with hearing or speech impairments can be obtained by calling (517) 636-4999 (TTY) between the hours of 8:00 a.m. and 4:45 p.m., Eastern Standard Time, Monday through Friday.

Document Updates

The information contained in this guide is subject to change. If you are an Information Provider in the Treasury E-Filing Program, Treasury will notify you when updated versions of this guide are available for download from the Treasury Motor Fuel e-file website at www.michigan.gov/motorfuelefile. Information Providers must notify their Electronic Filing Software Developer of the update. Updates may include, but are not limited to:

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

Basic Introduction to EDI

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

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

An EDI transmission is made up of one or more transaction sets, which is the term used to describe the electronic equivalent of a paper document. Entities trading EDI documents between themselves are referred to as trading partners. Trading partners is defined for the purpose of this document as the relationship between a taxpayer and the State sharing electronic tax information between each other for the sole purpose of filing fuel tax returns with the State of Michigan.

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

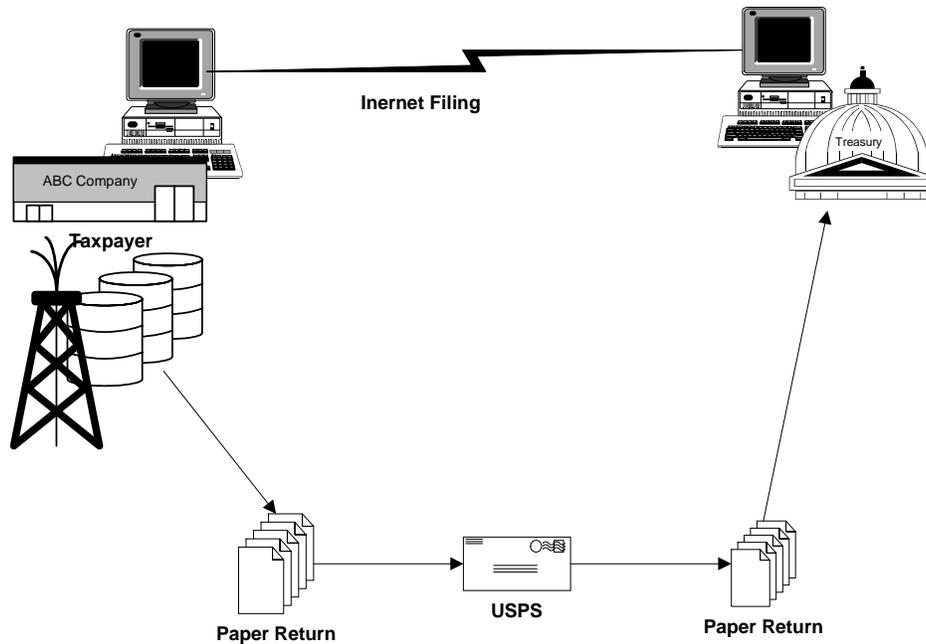
- The **header section** contains information that pertains to the entire document such as the filing date, company name, address, filing period, account number, contact information, etc.
- The **return section** contains information describing which return is present in the data set.
- The **summary item section** contains summary information that cannot be derived from the detail such as other exempt removals, etc.
- The **transaction detail section** includes the same information found on the paper schedules, such as bill of lading, carrier information, origin and destination information, quantities, etc.

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

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

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

Information Flow Model



The EDI documents can be transmitted directly by the Trading Partners. Trading Partners establish rules by which information is shared. They document these rules in a Trading Partner Agreement (TPA). The Department will require the use of a TPA by all Electronic Participants before any information is exchanged electronically.

Chapter 2 Program Overview

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

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

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

Role of the Software Developer

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

Program Benefits

Treasury has designed an Electronic Data Interchange (EDI) and Electronic Funds Transfer (EFT) program for the electronic filing and payment of motor fuel tax returns and taxes.

Advantages of participating in Treasury's EDI and EFT Program include:

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

Who Can Participate

Motor Fuel E-Filing Program is open to taxpayers and information providers that are required to file the following motor fuel tax returns and information reports:

- Supplier Tax Return (Form 3978)
- Terminal Operator Monthly Report (Form 3716)
- Carrier's Monthly Report (Form 3715)
- Transporter Quarterly Report (Form 3724)
- Exporter Quarterly Report (Form 4004)
- Fuel Importer Return (Form 3992)
- Blender Return (Form 3791)

Acceptable Electronic Formats

Treasury is currently accepting ANSI ASC X12 Standards Release Version 4030, Electronic Data Interchange (EDI) filing format and ASCII flat file format to file motor fuel tax returns and reports. This guide is specific to the ANSI ASC X12 Standards Release Version 4030 only.

See the web site filing guides for other formats and ANSI ASC X12 versions.

Web Direct Filing

Web direct filling is available for all filers. Careful consideration must be given when selecting this option. Web direct filling allows you to complete your tax return forms online. To use this option, you must enter all required tax return information on each schedule. Depending on the schedules you are required to file, this option requires entry of all detail on each shipment of fuel. Careful consideration must be given when selecting your electronic filling option.

Note: Liquefied Petroleum Gasoline (LPG) Dealers, Retail Maine Diesel Dealers and Annual Terminal Operators must file using Web Direct Fillable Forms Option.

Valid Transmission Methods

Treasury will accept X12 or ASCII formatted motor fuel tax returns and reports transmitted via the Internet or web direct filing. No magnetic tape filing or data stored on a floppy diskette will be accepted.

Security

Treasury's Motor Fuel E-Filing Program uses the Internet to receive and transmit motor fuel tax returns and reports. It incorporates the following technological attributes to ensure data security: User-ID, Password, Data Encryption, Electronic Signature (Authorization and Security Codes), and Confirmations. Each Electronic Participant must also use security procedures that are reasonably sufficient and use its best efforts to ensure that all transmissions of motor fuel tax returns and reports are authorized. An Electronic Participant must take the necessary precautions to safeguard their technological attributes and notify Treasury at (517) 636-4600 when they have knowledge that the technological attributes have been compromised or a change in an authorized representative has occurred.

Requirement to Provide FEIN

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

Chapter 3 Getting Started

Registration

All tax return and information report filers who file electronically must register with the Department. Filers must complete and submit an Application to Participate in the Motor Fuel Tax E-File Program and a Trading Partner Agreement.

The Michigan Department of Treasury accepts Electronic funds transfer (EFT) as a method for paying your Motor Fuel taxes. EFT is a safe and efficient process for making tax payments. All transactions are governed by strict, nationally established rules, regulations and security procedures and occur between financial institutions only at your request.

All filers who choose to make payments by Electronic Funds Transfer (EFT) must also register with the Department. Taxpayers must complete and submit an EFT Application for ACH Debit (Form 4041) or an EFT Application for ACH Credit (Form 4040).

The Application and Trading Partner Agreement is to be completed, signed and returned to the Michigan Department of Treasury. These agreements are key documents setting forth the rights and obligations of the parties. A trading partner agreement and application for e-filing can be obtained from the address below or from the Motor Fuel E-Filing web site at www.michigan.gov/motorfuefile. Please mail the completed forms to:

Michigan Department of Treasury
Customer Contact Division - Special Taxes
P.O. Box 30474
Lansing, MI 48909-8209

Receipt of the completed forms will establish the registration of a taxpayer for filing through the EDI Program.

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

Timely Filing

All monthly returns and reports must be filed on or before the 20th day of the month following the month in which the transaction took place and all quarterly returns are due on or before the 20th day of the month following the quarter being reported. The payment or EFT transactions must also be postmarked or received on or before the due date. Example, for March transactions, the Carrier (pipeline), Blender, Terminal and Supplier report/return is due by April 20th. Transporter and Exporter reports and Importer returns for the quarter of January, February and March are due April 20th.

Timeliness of the return is based on the Acceptance Date of the electronic tax return by Treasury.

If payments are not received by the due date penalty and interest may be assessed.

Acknowledgments

File acknowledgements will be provided immediately upon the filer's successful submission of a Tax Return via the Michigan Internet file submission Web Page. Each Filer will receive a confirmation acknowledgment number verifying the successful receipt of submitted filing. All transmission or data errors will result in the filer being contacted to correct and resubmit report submissions.

Testing Procedures

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

1. Complete and submit the required application(s) and Trading Partner agreement.
2. You will be contacted and given instructions for testing.
3. Once you have successfully submitted two test files for different periods, you will be switched to production.
4. In production, you will fax a hardcopy of the return only (no detail schedules) for two periods. After that time you will not be required to fax a copy of the form.

Amended Returns

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

Errors that are identified by Treasury or are discovered by the Electronic Participant should be corrected and submitted with the current month's file or as a supplemental transmission that includes only the corrections. The EDI filers should use element BTI14 instead of BTI13 when filing supplemental data. ASCII filers should enter "A" in column 3, return Type as indicated in the file layout.

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

Diversions

When reporting diversions:

TO Michigan (11A): Enter the **original** destination state in the Point of Destination segment.

FROM Michigan (11B): Enter the **actual** destination state in the point of destination, rather than the original point of destination.

Two-Party Exchanges

Two-party exchanges are reported on schedules 2X and 6X after the fuel is removed from the terminal. These schedules are informational only.

The disbursing exchange position holder must report the transaction on schedule 6X indicating the receiving supplier as the purchaser.

The same transaction must be reported by the receiving Supplier on schedule 2X indicating the disbursing position holder as the Supply Source/Seller. The receiving supplier must also report the transaction on the appropriate disbursement schedule (i.e. schedule 5 for taxable sale, etc.).

Important Tips

- Round to whole gallons. Round down all amounts less than .50 and round up all amounts of .50 through .99. Decimal points are not valid in the gallon fields.
- Failure to file as specified may incur penalty of 5% per month (not to exceed 25%) of the tax due and interest accrued per day to be assessed as provided by The Revenue Act.
- Failure to file an informational return will subject you to a \$10.00 penalty per day (not to exceed \$400) as provided by The Revenue Act.

- When reporting terminal codes for the origin city and state, you must use the Internal Revenue Service or State of Michigan assigned terminal codes that have been assigned to every terminal and refinery in the United States. Please contact the Department to obtain these numbers if necessary or visit the IRS Web site www.irs.gov/excise. Any other terminal codes will result in errors.
- Please make certain that the information on the tax return is correct before filing by paper or electronically. The information on the front of the Motor Fuel Tax Return must be supported by the detail information found on the proper schedules.
- Please provide complete information. Do not shorten names or cities unless an abbreviation is required.
- You must enter the manifest number or bill of lading on each schedule.

Chapter 4 EDI Mapping Requirements

Description

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

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

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

813 Transaction Set Structure and Usage

Please reference the diagram on page 4-18 (813 map flow). Michigan mapping of the 813 for Motor Fuels uses the header portion to capture taxpayer entity and filing identification information. Line data on the tax return is calculated but not captured. Calculated data on the face of the return is captured in the detail portion of the 813 using the Tax Form Segment (TFS). Each TFS contains other segments related to a specific schedule. Multiple Form Group Segments are contained within the TFS and reflect data associated with each line on the schedule identified in the TFS.

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

Further information about the Michigan mapping and usage of the 813 transaction set may be obtained by contacting the Department's Motor Fuel EDI Coordinator. Further information about the structure of the 813 and other EDI related information may be obtained from:

ASC X.12 Secretariat
 Data Interchange Standards Association, Inc.
 1800 Diagonal Road, Suite 200
 Alexandria, VA 22314-2852
 (703) 548-7005

Filing Multiple Forms in a Single Transmission

Whenever a filing is made that contains multiple returns (i.e. a Terminal Operator and a Supplier return), the tax filing will be made up of multiple ST/SE pairs contained within one GS/GE pair, which are contained within only one ISA/IEA pairs. See example below for clarification.

ISA – Interchange Control Header
 GS – Functional Group Header
 ST – Transaction Set Header
 Motor Fuel Tax Data – Terminal Operator
 SE – Transaction Set Trailer
 ST – Transaction Set Header
 Motor Fuel Tax Data – Supplier
 SE – Transaction Set Trailer
 GE – Functional Group Trailer
 IEA – Interchange Control Trailer

Separator Requirements

Table 1 - Separator Requirements

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

Attribute Conventions

Table 2 - Attribute Conventions

Attribute	Definition
Data Element Type	<p>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	<p>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).</p>
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>

Chapter 5 - 813 EDI Combined Reporting

ANSI ASC X.12 –813 EDI Standards¹

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	

DECEMBER 1999

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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 Combined Reporting Structure

Key:

Not Used by Michigan

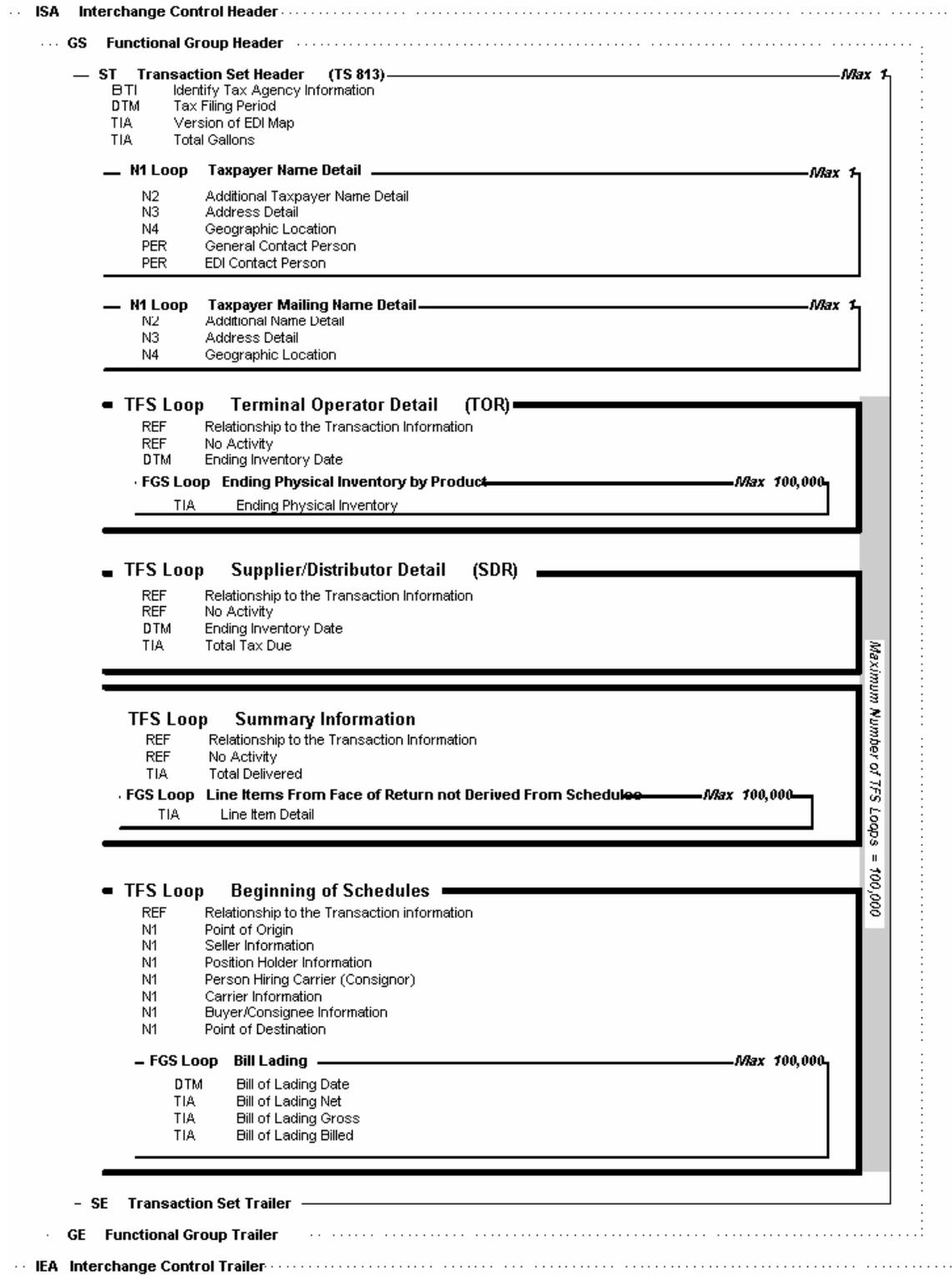
Text that is grayed out is not used by the State

Table1		
Pos No	Uniform 813 Map	Header
0100	ST	Transaction Set Header
0200	BTI	Identify Tax Agency Information
0300	DTM	Tax Filing Period
0400	TIA	Version of Taxing Authority's Implementation Guide
0400	TIA	Confidential Information
0400	TIA	Total Net Reported
0430	REF	Sequence Error ID Number
0500	N1	Taxpayer Name Detail
0600	N2	Additional Taxpayer Name Detail
0800	N3	Address Detail
0900	N4	City, State, Zip Code Detail
1000	PER	General Contact Person
1000	PER	EDI Contact Person
0500	N1	Mailing Name Detail
0600	N2	Additional Mailing Name Detail
0800	N3	Mailing Address Detail
0900	N4	Mailing City State Zip Code Detail

Pos No	Uniform 813 Map	Reports-TOR	Reports	SUM	SCH
0100	TFS	Terminal Operator Report – TOR code	Supplier/Distributor and Carrier – Report Codes	Summary Information	Schedules
0200	REF	Relationship to the Transaction	Relationship to the Transaction	Relationship to the Transaction	Relationship to the Transaction
0200	REF	Sequence Error ID Number	Sequence Error ID Number	Sequence Error ID Number	Sequence Error ID Number
0200	REF	No Activity	No Activity		
0300	DTM	Sold/Purchase Date	Sold/Purchase Date		
0300	DTM	Ending Inventory Date	Ending Inventory Date		
0500	N1				Point of Origin
0500	N1				Seller Information
0500	N1				Position Holder Information
0500	N1				Person Hiring Carrier (Consignor)
0500	N1				Carrier Information
0500	N1				Buyer/Consignee Information
0500	N1				Point of Destination
0920	TIA		Total Due		
1000	FGS	Physical Inventory by Product	Physical Inventory by Product	Summary Data	Bill of Lading
1100	REF	Sequence Error ID Number	Sequence Error ID Number	Sequence Error ID Number	Sequence Error ID Number
1200	DTM				Bill of Lading Date
1800	TIA	Physical Inventory	Physical Inventory	Information	Bill of Lading Net
1800	TIA			Interest	Bill of Lading Gross
1800	TIA			Penalty	Bill of Lading Billed

Table 3		
Pos No	Uniform 813 Map	Trailer
0100	SE	Transaction Set Trailer

813 Map Flow



813 Motor Fuels EDI Map

Key:

Not Used in FTA Map

Notes

Not used by Michigan

Not used: no data to transmit

Note: It is important to read all notes

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

Interchange Control Header Description

Table 3 - Interchange Segment

Interchange Segment									(Required)
Element ID	Elem Ref #	Sub-Ele Ref#	Field Status	Field Name	Field Type	Length		Field Description	
						Min.	Max.		
ISA01	I01		M	Authorization Information Qualifier	ID	2	2	"03" = Additional Data Identification	
ISA02	I02		M	Authorization Information	AN	10	10	Enter 0 (zero) followed by your FEIN.	
ISA03	I03		M	Security Information Qualifier	ID	2	2	"01" = Password	
ISA04	I04		M	Security Information	AN	10	10	Enter 10-characters provided by the by the filer.	
ISA05	I05		M	Interchange ID Qualifier	ID	2	2	"32" = the Interchange Sender ID Qualifier for the sender's FEIN	
ISA06	I06		M	Interchange Sender ID	AN	15	15	Sender's FEIN plus 6 spaces [xxxxxxxx]	
ISA07	I05		M	Interchange ID Qualifier	ID	2	2	"01" = DUNS	
ISA08	I07		M	Interchange Receiver ID	AN	15	15	"805340486 " = Treasury DUNS number plus 6 spaces.	
ISA09	I08		M	Interchange Date	DT	6	6	"YYMMDD" = Date Of The Interchange	
ISA10	I09		M	Interchange Time	TM	4	4	"HHMM" = Time Of The Interchange	
ISA11	I65		M	Repetition Separator		1	1	" " = EBCDIC = 4F HEX ASCII = 7C HEX	
ISA12	I11		M	Interchange Control Version Number	ID	5	5	"00403" = Draft standards for trial use approved for publication by ASC X12 procedures review board through 10/99.	
ISA13	I12		M	Interchange Control Number	N0	9	9	Filer defined unique control number for this filing. This control number must be greater than the last one used. This number should also be entered in IEA02.	
ISA14	I13		M	Acknowledgment Requested	ID	1	1	"0" = No Acknowledgment Required	
ISA15	I14		M	Usage Indicator	ID	1	1	"P" = Production Data "T" = Test Data	
ISA16	I15		M	Component Sub-Element Separator		1	1	"^" = EBCDIC - 5F HEX ASCII - 5E HEX	
Example:									
ISA~03~0757654321~01~TORCCRFIL~32~757654321 ~01~805340486 ~020613~0931~ ~00403~00000001~0~T~^									
ISA05 Value 32 (FEIN Qualifier) is required.									
ISA06 Sender FEIN is required.									
ISA09 does not include the century based on the ANSI ASC X.12 Standard.									

Functional Group Header Description

Table 4 - Function Group Segment

Functional Group Segment								(Required)
Element ID	Elem. Ref #	Sub-Ele Ref#	Field Status	Field Name	Field Type	Length		Field Description
						Min.	Max.	
GS01	479		M	Functional Identifier Code	ID	2	2	"TF" = Electronic Filing Of Tax Return Data (TS813)
GS02	142		M	Application Sender's Code	AN	2	15	"MI551105" = Sender Code – REQUIRED
GS03	124		M	Application Receiver's Code	AN	2	15	"805340486050" = Treasury DUNS number plus 050 for Motor Fuel Section. – REQUIRED
GS04	373		M/Z	Date	DT	8	8	"CCYYMMDD" = Date
GS05	337		M/Z	Time	TM	4	8	"HHMMSSDD" = Time
GS06	28		M/Z	Group Control Number	N0	1	9	Filer defined unique control number for this filing. This control number should never be reused for any future filings. This number should also be entered in GE02.
GS07	455		M	Responsible Agency Code	ID	1	2	"X" = ASC X12
GS08	480		M	Version/ Release / Industry Identifier Code	AN	1	12	"004030" = Draft standards approved for publication by ASC X12 procedures review board through 10/99.
Example: GS~TF~MI551105~805340486050~20021001~0931~1101~X~004030\								

Transaction Set Header Description

Table 5 - Beginning of Transaction Set Segment

Beginning of Transaction Set Header Segment								(Required) Pos. No. 0100
Element ID	Elem Ref #	Sub-Ele Ref #	Field Status	Field Name	Field Type	Length		Field Description
						Min	Max	
ST01	143		M	Transaction Set Code	ID	3	3	"813" = Transaction Set Type
ST02	329		M	Transaction Set Control Number	AN	4	9	Filer defined unique control number for this filing. This control number should never be reused for any future filings. This number should also be entered in SE02.
Example: ST~813~10001\								

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

Element ID	Elem Ref #	Sub-Ele Ref #	Field Status	Field Name	Field Type	Length		Field Description
						Min	Max	
BTI01	128		M	Reference Number Qualifier	ID	2	2	"T6" = Defines as Tax Filing
BTI02	127		M	Reference Number	AN	3	3	"050" = All fuels tax filing
BTI03	66		M	ID Code Qualifier	ID	2	2	"47" = Tax Authority
BTI04	67		M	ID Code	AN	2	20	"MITREAS050" = MI Dept. of Treasury plus 050 for Motor Fuel Section
BTI05	373		O	Transaction Create Date	DT	8	8	"CCYYMMDD" = Transmission Date
BTI06	818		O	Name Control ID	AN	4	4	First 4 positions of Taxpayer's Legal Business Name. If business name is less than 4 characters, left justify name control and pad with "*".
BTI07	66		X	ID Code Qualifier	ID	2	2	"24" = FEIN Federal Employer Identification Number or Michigan assigned account number (TR or ME number)
BTI08	67		X	ID Code	AN	9	9	Taxpayer's FEIN or Michigan assigned account number (TR or ME number)
BTI09	66		X	ID Code Qualifier	ID	2	2	"49" = State (assigned) Identification Number
BTI10	67		X	ID Code	AN	2	20	Michigan Treasury assigned Motor Fuel license number
BTI11	66		X	ID Code Qualifier	ID	2	2	"48" = IRS Electronic Filer ID Number
BTI12	67		X	ID Code	AN	9	15	637 Permit Number
BTI13	353		O	Transaction Set Purpose Code	ID	2	2	Options: "00" = Original
BTI14	640		O	Transaction Type Code	ID	2	2	Options: "6S" = Supplemental

Example:

BTI~T6~050~47~MITREAS050~20020613~ABCD~24~381234567~~~~00\
or

BTI~T6~050~47~MITREAS050~20020613~ABCD~34~373456789~49~0000012345~~~00\

BTI08 must be the FEIN if the taxpayer has one if not use your Michigan assigned taxpayer identification number (Example: TR1234567 or ME0023456).

BTI10 use the license number as it appears on the Motor Fuel License issued to you by the Michigan Department of Treasury.

The application of BTI13 and BTI14 are as follows: BTI13 should be used when the taxpayer transmits their initial return (BTI13 should be used without BTI14); BTI14 should be used when the taxpayer transmits modifications (BTI14 should be used without BTI13). This is a recommendation of the Motor Fuel Uniformity Committee, not a requirement of X12. Further clarification of these elements is located below. **See additional information in the Michigan EDI Implementation Guide.**

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.
BTI14 [Amended Return]	
"6S" = Supplemental	Use "Supplemental" when transmitting new or additional data not included in original or amended return or when adjusting or correcting an original or amended return.

Tax Filing Period 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	
DTM02	373		X	Date	DT	8	8	"CCYYMMDD" = Tax Filing Period End	
DTM03 and DTM06 are not used.									
Example: DTM~194~20020930\									
If qualifier "194" is used in DTM01, then DTM05 and DTM06 are not used.									

Version of Taxing Authority's Implementation Guide 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	817		M	Tax Information Code	AN	4	4	"5000" = Version of Michigan's EDI Implementation Guide.	
TIA02 is not used.									
TIA03	449		X	Fixed Format Information	AN	1	5	"3.0" = Version of implementation guide.	
Example: TIA~5000~~1.0\									
TIA03 is required.									
This segment 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.									

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

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

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

City, State, Zip Code Detail									(Optional)
Location Geographic Segment									Pos. No. 0900
Element ID	Elem Ref #	Sub-Ele Ref #	Field Status	Field Name	Field Type	Length		Field Description	
						Min	Max		
N401	19		O	City Name	AN	2	30	Name of City	
N402	156		O	State code or Province	ID	2	2	State or Province Abbreviation	
N403	116		O	Postal (Zip) Code	ID	3	11	ZIP Code, ZIP Plus 4 Code or Foreign Postal code	
N404	26		O	Country	ID	2	2	Country Abbreviation (United States = US)	
Example: N4~Any Town~MI~49999-2222~US\ 									

General Contact Person									(Required)
Administrative Communications Contact Segment									Pos. No. 1000
Element ID	Elem Ref #	Sub-Ele Ref #	Field Status	Field Name	Field Type	Length		Field Description	
						Min	Max		
PER01	366		M	Contact Function Code	ID	2	2	"CN" = General Contact	
PER02	93		O	Name	AN	1	35	Contact Name (First and Last)	
PER03	365		X	Communications Number Qualifier	ID	2	2	"TE" = Telephone Number	
PER04	364		X	Communications Number	AN	10	14	Voice Telephone Number + EXT if applicable	
PER05	365		X	Communications Number Qualifier	ID	2	2	"FX" = FAX Number	
PER06	364		X	Communications Number	AN	10	10	FAX Telephone Number	
PER07	365		X	Communications Number Qualifier	ID	2	2	"EM" = Electronic Mail	
PER08	364		X	Communications Number	AN	1	80	E-mail Address	
Example: PER~CN~Allen Smith~TE~3139959988~FX~3139950329~EM~asmith@abcoil.com\ 									

EDI Contact Person								(Required)	
Administrative Communications Contact Segment								Pos. No. 1000	
Element ID	Elem Ref #	Sub-Ele Ref #	Field Status	Field Name	Field Type	Length		Field Description	
						Min	Max		
PER01	366		M	Contact Function Code	ID	2	2	"EA" = EDI Coordinator	
PER02	93		O	Name	AN	1	35	Contact Name (First and Last)	
PER03	365		X	Communications Number Qualifier	ID	2	2	"TE" = Telephone Number	
PER04	364		X	Communications Number	AN	10	14	Voice Telephone Number + EXT if applicable	
PER05	365		X	Communications Number Qualifier	ID	2	2	"FX" = FAX Number	
PER06	364		X	Communications Number	AN	10	10	FAX Telephone Number	
PER07	365		X	Communications Number Qualifier	ID	2	2	"EM" = Electronic Mail	
PER08	364		X	Communications Number	AN	1	80	E-mail Address	
Example: PER~EA~Bob Smith~TE~3139958877~FX~3139950329~EM~bsmith@abcoil.com\									

Mailing Name Detail								(Optional)	
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	
Example: N1~31~ABC Oil Corp\									

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

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

Mailing City, State, Zip Code Detail								(Optional)	
Location Geographic Segment								Pos. No. 0900	
Element ID	Elem Ref #	Sub-Ele Ref #	Field Status	Field Name	Field Type	Length		Field Description	
						Min	Max		
N401	19		O	City Name	AN	2	30	Name of City	
N402	156		O	State code or Province	ID	2	2	State or Province Abbreviation	
N403	116		O	Postal (Zip) Code	ID	3	11	ZIP Code, ZIP Plus 4 Code or Foreign Postal code	
N404	26		O	Country	ID	2	2	Country Abbreviation (United States = US)	
Example:									
N4~Any Town~MI~49999-2222~US\									

End of Transaction Set Header

Transaction Set – Terminal Operator Report (TOR)

This TFS loop reports information for the Terminal Operator report. Details associated with this report are located in the schedule loops.

Repeat the FGS loop for each product reported, thereby reporting inventory by product codes.

Table 6 - Terminal Operator Report (TOR) Segments

Beginning of Terminal Operator Report								(Required)	
Tax Form Segment								Pos. No. 0100	
Element ID	Elem Ref. #	Sub-Ele Ref. #	Field Status	Field Name	Field Type	Length		Field Description	
						Min	Max		
TFS01	128		M	Reference Identification Qualifier	ID	2	2	"T2" = Tax Form Code	
TFS02	127		M	Reference Identification	AN	1	6	"TOR" = Terminal Operator Report	
TFS03 and TFS04 are not used									
TFS05	66		X	ID Code Qualifier	ID	2	2	"TC" = IRS Terminal Code	
TFS06	67		X	ID Code	AN	9	9	IRS Terminal Control Number (TCN)	
Example: TFS~T2~TOR~~~TC~T38MI3007\									
TFS06 is required. The IRS Terminal Control Number code list is located on the IRS web site www.irs.gov/excise									

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

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

Condition 2 - If account has activity, the DTM and FGS segments are required. The Condition 1 REF is not used. This FGS loop contains inventory information. The FGS loop is repeated when the the inventory type (beginning or ending) or product code value changes.

Inventory Date								(Conditional, Required for Option 2)	
Date/Time Reference Segment								Pos. No. 0300	
Element ID	Elem Ref #	Sub-Ele Ref #	Field Status	Field Name	Field Type	Length		Field Description	
						Min	Max		
DTM01	374		M	Date/Time Qualifier	ID	3	3	"184" = Inventory Date	
DTM02	373		X	Date	DT	8	8	"CCYYMMDD"	
Example: DTM~184~20020930\									

Physical Inventory by Product Form Group Segment							(Conditional, Required for Option 2) 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 "EI" = Actual Physical Ending Inventory	
FGS02	128		X	Reference Identification Qualifier	ID	2	2	"PG" = Product Group	
FGS03	127		X	Reference Identification	AN	3	3	Product Code See Product Codes list in Appendix C.	
Example: FGS~BI~PG~065\ Or FGS~EI~PG~065\ Both Beginning and Actual Physical Ending Inventories are expected. Computed Ending Inventory will be calculated and therefore should not be submitted.									

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	817		M	Tax Information ID Number	AN	4	4	"5002" = Physical Inventory	
TIA02 and TIA03 are not used.									
TIA04	380		X	Quantity	R	1	15	Quantity	
TIA05	355		M	Unit of Measurement Code	ID	2	2	"GA" = Gallons	
Example: TIA~5002~~~10000~GA\ Enter Net Physical Inventory rounded to the nearest whole gallons. 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 (TOR detail)

Transaction Set – Identify Report Types

This TFS loop is used to provide for Supplier/Distributor and Carrier type reports to the State of Michigan. They are the Blender, Supplier, Importer, Exporter, Carrier, and Transporter.

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

IMPORTANT NOTE: Suppliers currently filing electronically and prior to this document’s release may continue to file using the old format. If you are successfully filing with the old format, **DO NOT CHANGE ANYTHING!**

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

Michigan does not request inventory for supplier/distributor or carrier type reports. Condition 1 of this segment must be used to report no activity for **all** fuel types. Condition 2 is optional but must be transmitted. If not using, transmit 0.

Table 7 - Identify Reports Segments

Beginning of Supplier/Distributor Report Detail							(Required)	
Tax Form Segment							Pos. No. 0100	
Element ID	Elem Ref. #	Sub-Ele Ref. #	Field Status	Field Name	Field Type	Length		Field Description
						Min	Max	
TFS01	128		M	Reference Identification Qualifier	ID	2	2	"T2" = Tax Form Code
TFS02	127		M	Reference Identification	AN	1	6	Report – Code List BLR – Blender Return SSU – Supplier Report SPS – Permissive Supplier Report SIR – Importer Reports and Tank Wagon SER – Exporter Report CCR – Common Carrier and Transporter Note: Consider TFS02 as the category identifier. You must use the state license type concatenated with a state license number assigned to you by the State of Michigan.
TFS03	128		M	Reference Identification Qualifier	ID	2	2	"FW" = State License Type and Number
TFS04	127		M	Reference Identification	AN	2	25	Provide the State License Type and Number assigned by state. Concatenate the license type with license number: Blender BL00009876 Supplier SU00009923 Permissive Supplier PS00003333 Bonded Importer BI00008828 Occasional Importer OI00003322 Tank Wagon Operator TW00008888 Exporter EX00004444 Common Carrier CA00008333 Transporter TR00003322
Examples: TFS~T2~BLR~FW~ BL00009876 TFS~T2~SSU~FW~ SU00009923 \ TFS~T2~CCR~FW~ CA00008333 \ TFS~T2~SPS~FW~ PS00003333 \ TFS~T2~SIR~FW~ BI00008828 \ TFS~T2~SER~FW~ EX00004444 \ TFS~T2~CCR~FW~ TR00003322 \								
TFS05 and TFS06 are not used for these reports								

Report Code Table for Supplier/Disbursement Type Reports

Report To Submit	TFS Fields to Populate	Values to Submit
Blender Report	TFS02	BLR
	TFS03	FW
	TFS04	BL##### (License Type and Number)
Supplier Report	TFS02	SSU
	TFS03	FW
	TFS04	SU##### (License Type and Number)
Permissive Supplier Report	TFS02	SPS
	TFS03	FW
	TFS04	PS##### (License Type and Number)
Common Carrier Report	TFS02	CCR
	TFS03	FW
	TFS04	CA##### (License Type and Number)
Bonded Importer Report	TFS02	SIR
	TFS03	FW
	TFS04	BI##### (License Type and Number)
Occasional Importer Report	TFS02	SIR
	TFS03	FW
	TFS04	OI##### (License Type and Number)
Tank Wagon Report	TFS02	SIR
	TFS03	FW
	TFS04	TW##### (License Type and Number)
Exporter Report	TFS02	SER
	TFS03	FW
	TFS04	EX##### (License Type and Number)
Transporter Report	TFS02	CCR
	TFS03	FW
	TFS04	TR##### (License Type and Number)

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

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

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

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

TIA segments for identifying the Beginning and Ending Inventory usually appear at this point. The State of Michigan does not require this information at this time. However, other Summary Values are needed. You may locate these segment mappings under the “Summary Information” section.

End of FGS loop (Line item detail)

End of TFS loop (SDR detail)

Summary Information

This TFS loop begins the summary information. Summary information is used when the detail can not be derived from the schedule details. It is repeated when one of the following values change: TFS02 – Summary Code or TFS04 - Product Code.

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

Table 8 - Summary Information Segments

Beginning of Summary Information									(Required)	
Tax Form Segment									Pos. No. 0100	
Element ID	Elem Ref. #	Sub-Ele Ref. #	Field Status	Field Name	Field Type	Length		Field Description		
						Min	Max			
TFS01	128		M	Reference Identification Qualifier	ID	2	2	"T3" = Tax Schedule Code		
TFS02	127		M	Reference Identification	AN	1	6	Summary Code See Summary Code list below and in Appendix D.		
TFS03	128		X	Reference Identification Qualifier	ID	2	2	"PG" = Product Group		
TFS04	127		X	Reference Identification	AN	3	3	Product Code See Product Codes list in Appendix C.		
TFS05	66		X	Identification Code Qualifier	ID	2	2	"94" = Mode		
TFS06	67		X	Identification Code	AN	2	2	"CE" = Transaction Type Mode Code		
Example: TFS~T3~S02A~PG~160~94~CE\										
TFS02 - Summary Codes -see additional information above.										
Summary Information is used when the detail cannot be derived from the schedule details.										

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

Dollar Amount Information									(Required)	
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	817		M	Tax Information ID Number	AN	4	4	TIA Code "5003" = Dollar Amount See Summary Code List in Appendix D.		
TIA02	782		X	Monetary Amount	R	1	15	Dollar Amount		
TIA03 are not used.										
TIA04 and TIA05 are not used.										
Example: TIA~5003~1005.67\										
TIA03, TIA04 and TIA05 are not used.										
TIA01 - TIA Summary Codes (see additional information at beginning of Summary Information section):										

Gallon Amount Information								(Required)	
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	817		M	Tax Information ID Number	AN	4	4	TIA Code "5006" = Gallons Reported See Summary Code List in Appendix D.	
TIA02 and TIA03 are not used.									
TIA04	380		X	Quantity	R	1	15	Quantity	
TIA05	355		M	Unit of Measurement Code	ID	2	2	"GA" = Gallons	
Example: TIA~5006~~~25000~GA\									
TIA01 – TIA Summary Codes (see additional information at beginning of Summary Information section):									

End of FGS loop

End of TFS loop for Summary

Schedules

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

If there are no transactions to report in this filing, it is not necessary to transmit a Schedules TFS loop. It is implied that there is no activity in this filing.

Common Carrier and Transporter Information Note:

Use the following segments to report Delivery Information

N1~CI: Provided "Hired By" information

N1~SE: Provided "Seller" information

N1~BY: Provided "Delivered To" information

N1~DT: Provide Destination TCN

or

N1~ST

N4~City Name~ST: Provide City and state

Use standard segments to report remaining information

Table 9 - Schedule Segments

Beginning of Schedules								(Required)	
Tax Form Segment								Pos. No. 0100	
Element ID	Elem Ref. #	Sub-Ele Ref. #	Field Status	Field Name	Field Type	Length		Field Description	
						Min	Max		
TFS01	128		M	Reference Identification Qualifier	ID	2	2	"T3" = Tax Schedule Code	
TFS02	127		M	Reference Identification	AN	1	6	Schedule Type Code See Schedule Code List in Appendix B.	
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 C.	
TFS05	66		X	Identification Code Qualifier	ID	2	2	"94" = Mode	
TFS06	67		X	Identification Code	AN	2	2	Transaction Type Mode Code See Type Mode Code List in Appendix E.	
Example: 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.									
Notes: TFS02 – Use TR for Terminal Schedule of Receipts.									

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

Use Option 1 when the origin is a Terminal.

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

Option 1 – Origin is a terminal

Point of Origin										(One of the two options is used, Required with Option 1)		
Name Segment 1										Pos. No. 0500		
Element ID	Elem Ref. #	Sub-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 on the IRS web site www.irs.gov/excise)				
Example: N1~OT~~TC~T38MI4007\												
This segment is required if the origin is an IRS approved terminal. IRS Terminal Code List is located on the IRS Web site www.irs.gov/excise												

Option 2 – Origin is not a terminal

Point of Origin										(One of the two options is used, Required with Option 2)		
Name Segment 1										Pos. No. 050		
Element ID	Elem Ref. #	Sub-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				
Example: N1~SF~OH\												
This segment is required if the origin is NOT an IRS approved terminal.												

Point of Origin										(Optional with Option 2)		
Name Segment 1										Pos. No. 0500		
Element ID	Elem Ref. #	Sub-Ele Ref. #	Field Status	Field Name	Field Type	Length		Field Description				
						Min	Max					
N401	19		O	City Name	AN	2	30	Name of City				
N402	156		O	State or Province Code	ID	2	2	State or Providence Abbreviation				
N403	116		O	Postal Code	ID	3	11	ZIP or ZIP plus 4 Code				
Example: N4~Findley~MI~84300\												
This segment is required if the origin is NOT an IRS approved terminal.												

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

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

This segment is used for reporting seller information on various receipt and disbursement schedules. (Also referred to as Acquired From and Supply Source).

Position Holder								(Required)	
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 "FI" = Federal Taxpayer 637 ID Number "SB" = Canadian Social Insurance Number	
N104	67		X	Identification Code	AN	9	9	Position Holder's FEIN or SSN or IRS 637 Number or Canadian Social Insurance number	

N105 and N106 are not used

N1~ON~ABC Fuel~24~381234567\

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:

This segment is used for reporting position holder information on the disbursement and receipt.

Person Hiring Carrier (Consignor)								(Required)	
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	"CI" = Consignor (Person Hiring the Carrier)	
N102	93		X	Name	AN	1	35	Consignor Name	
N103	66		X	Identification Code Qualifier	ID	2	2	"24" = FEIN "34" = SSN "SB" = Canadian Social Insurance Number	
N104	67		X	Identification Code	AN	9	9	Consignor's (Person Hiring the Carrier) FEIN or SSN or Canadian Social Insurance Number.	

Example:
N1~CI~ABC Distributing~24~381234567\

This segment is used for reporting position holder information on delivery schedules of the Transporters Report.

Carrier Information								(Required)	
Name Segment 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	"CA" = Carrier Name	
N102	93		X	Name	AN	1	35	Carrier Name	
N103	66		X	Identification Code Qualifier	ID	2	2	"24" = FEIN "34" = SSN "SB" = Canadian Social Insurance Number	
N104	67		X	Identification Code	AN	9	9	Carrier's FEIN or SSN or Canadian Social Insurance Number.	

Example:
N1~CA~ABC Trucking~24~389876543\

This segment is used on all reports and returns, except Carrier and Transporter reports.

Buyer/Consignee Information								(Required)	
Name Segment 6								Pos. No. 0500	
Element ID	Elem Ref. #	Sub-Ele Ref. #	Field Status	Field Name	Field Type	Length		Field Description	
						Min	Max		
N101	98		M	Entity Identification Code	ID	2	2	"BY" = Buying Party (Purchaser/Consignee)	
N102	93		X	Name	AN	1	35	Buyer name	
N103	66		X	Identification Code Qualifier	ID	2	2	"24" = FEIN "34" = SSN "SB" = Canadian Social Insurance Number	
N104	67		X	Identification Code	AN	9	9	Purchaser's FEIN or SSN or Canadian Social Insurance Number.	

Example:
N1~Joe Gas Station~24~517222222\

This segment is used for reporting buyer/purchaser information of various schedules.

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

Special instructions for reporting Diversions.

Diversions TO Michigan (11A) - enter the **original** point of destination.

Diversions FROM Michigan (11B) – enter the **actual** destination state.

Use Option 1 when the Destination is a Terminal.

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

Option 1 - Destination is a Terminal.

Point of Destination								(One of the two options is Required, Required with Option 1)	
Name Segment 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	"DT" = Destination Terminal	
N102 is not used.									
N103	66		X	Identification Code Qualifier	ID	2	2	"TC" = IRS Terminal Code	
N104	67		X	Identification Code	AN	9	9	IRS Terminal Code (Code list is located on the IRS Web site www.irs.gov/excise)	

Example:
N1~DT~~TC~T38MI3007\

N103 and N104 are required if the destination is an IRS approved terminal.

Option 2 - Destination is located inside or outside of Michigan and is not a Terminal.

Point of Destination (One of the two options is Required, Required with Option 2)								
Name Segment 7 Pos. No. 0500								
Element ID	Elem Ref. #	Sub-Element Ref. #	Field Status	Field Name	Field Type	Length		Field Description
						Min	Max	
N101	98		M	Entity Identification Code	ID	2	2	"ST" = Ship To
N102	93		X	Name	AN	2	2	Destination State Abbreviation
Example: N1~ST~OH\								
N102 is required if the point of destination is NOT an IRS approved terminal.								

Point of Destination (Optional with Option 2)								
Name Segment 7 Pos. No. 0500								
Element ID	Elem Ref. #	Sub-Element 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
Example: N4~Toledo~MI~38283\								
N401 is required if the point of destination is NOT an IRS approved terminal.								

This FGS loop begins the transaction information for the individual shipments within the TFS loop. It is repeated when one of the following values changes: Bill of Lading (Document) Number, Bill of Lading Date (Date Shipped) or Gallons.

Bill of Lading (Required)								
Forms Group Segment Pos. No. 1000								
Element ID	Elem Ref. #	Sub-Element Ref. #	Field Status	Field Name	Field Type	Length		Field Description
						Min	Max	
FGS01	350		M	Assigned Identification	AN	1	1	"D" = Schedule Detail
FGS02	128		X	Reference Identification Qualifier	ID	2	2	"BM" = Bill of Lading Number
FGS03	127		X	Reference Identification	AN	1	15	Bill of Lading Number
Example: FGS~D~BM~00123456\								
FGS02 and FGS03 are required unless the Mode Code in TFS06 is GS (Gas Station), then FGS02 and FGS03 are not used.								

Bill of Lading Date (Required)								
Date/Time Reference Segment Pos. No. 1200								
Element ID	Elem Ref. #	Sub-Element Ref. #	Field Status	Field Name	Field Type	Length		Field Description
						Min	Max	
DTM01	374		M	Date/Time Qualifier	ID	3	3	"095" = Bill of Lading Date
DTM02	373		X	Date	DT	8	8	Bill of Lading Date (CCYYMMDD)
Example: DTM~095~20020905\								
DTM02 is required.								

Bill of Lading Net										(Required)	
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	817		M	Tax Information ID Number	AN	4	4	"5005" = Net			
TIA02 and TIA03 are not used.											
TIA04	380		X	Quantity	R	1	15	Quantity			
TIA05	355		M	Unit of Measurement Code	ID	2	2	"GA" = Gallons			
Example: TIA~5005~~~8000~GA\ Enter the net gallons rounded to the nearest whole gallon.											

Bill of Lading Gross										(Required)	
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	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	355		M	Unit of Measurement Code	ID	2	2	"GA" = Gallons			
Example: TIA~5006~~~8000~GA\ Enter the gross gallons rounded to the nearest whole gallon.											

Bill of Lading Billed										(Required)	
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	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	355		M	Unit of Measurement Code	ID	2	2	"GA" = Gallons			
Example: TIA~5007~~~8000~GA\ Enter the billed (or to be billed) gallons rounded to the nearest whole gallon.											

End of FGS loop for Individual shipments.

End of TFS loop for Schedule.

Transaction Set Trailer Description

Table 10 - Transaction Set Trailer Description Segment

End of Transaction Set Trailer Segment								(Required) 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)	
Example: SE~156~10001\									

Functional Group Trailer Description

Table 11 - 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 Functional Group control number. Must be identical to the same data element in the associated functional header (GS06).	
Example: GE~1~1101\									

Interchange Control Trailer Description

Table 12 - 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	116		M	Number Of Included Functional Groups	N0	1	5	Count of Function Groups Within This ISA/IEA.	
IEA02	112		M	Interchange Control Number	N0	9	9	The interchange number. Must be identical to the same data element in the associated interchange header (ISA13).	
Example: IEA~10~000000001\									

End of Transaction Set

Appendix A – Applications

The Motor Fuel Electronic Filing Application, Trading Partner Agreement and Motor Fuel Electronic Funds Transfer (EFT) Debit Application and Motor Fuel Electronic Funds Transfer (EFT) Credit Application may be obtained from the website at www.michigan.gov/motorfuelefile or you may write to us at the following address:

Michigan Department of Treasury
Customer Contact Division - Special Taxes
P.O. Box 30474
Lansing, MI 48909-8209

Form Numbers:

- Form 4040 - Motor Fuel Electronic Funds Transfer (EFT) Credit Application
- Form 4041 - Motor Fuel Electronic Funds Transfer (EFT) Debit Application
- Form 3999 - Trading Partner Agreement
- Form 4099 - Motor Fuel Electronic Filing Application

Appendix B - Michigan Schedule Code List

Schedules beginning with September 2006

Schedule Type	SUPPLIER SCHEDULE DESCRIPTIONS
Supplier's Schedule of Receipts	
1	Gallons of fuel imported/acquired Michigan tax paid to supply source.
2C	Gallons imported from outside the United States.
2X	Gallons received from other suppliers on exchange agreement above the terminal rack (two-party exchange receipts).
3	Gallons imported from outside of Michigan.
Supplier's Schedule of Disbursements	
5	Taxable gallons sold, removed or imported.
5C	Gallons of aviation fuel sold to Aviation Fuel Registrants for resale
5F	Gallons of dyed diesel fuel sold or used for taxable purposes.
6F	Gallons of dyed diesel product removed.
6P	Gallons sold to suppliers for immediate export, tax not pre-collected.
6X	Gallons delivered on exchange agreements above the terminal track (two-party exchange deliveries)
7A	Gallons removed for export, destination state tax collected or accrued
7B	Taxable gallons sold for export
8	Gallons delivered to US Government, tax exempt
9	Gallons delivered to state and local government, including public schools, tax exempt. (Gasoline and Diesel fuels only)
10B	Gallons of Foreign Trade Zone (FTZ) aviation Fuel disbursed
10F	Gallons delivered to tax-free terminal storage
10G	Gallons delivered exempt to non-profit, private, parochial or denominational school, college or university
10M	Gallons sold to Fuel Feedstock Users, tax exempt (Gasoline only)
13C	Tax exempt credit card sales to U.S. Government
13F	Tax deemed uncollectible
13H	Tax exempt credit card sales to State and Local Government
Supplier's Schedule of Diversions	
11A	Gallons diverted TO Michigan
11B	Gallons diverted FROM Michigan

Schedule Type	TERMINAL OPERATOR SCHEDULE DESCRIPTIONS
Terminal Operator's Schedule of Receipts	
15A	Receipt
Terminal Operator's Schedule of Disbursements	
15B	Disbursement

Schedule Type	BLENDER SCHEDULE DESCRIPTIONS
Blender's Schedule of Receipts	
1	Gallons of fuel received tax paid
2B	Receipts of Untaxed Blendable Stock
Blender's Schedule of Disbursements	
5	Taxable gallons sold, removed or imported.
5C	Gallons of aviation fuel sold to Aviation Fuel Registrants for resale
5F	Gallons of dyed diesel fuel sold or used for taxable purposes.
6F	Gallons of dyed diesel product removed.
7A	Gallons removed for export, destination state tax collected or accrued
7B	Taxable gallons sold for export
8	Gallons delivered to US Government, tax exempt
9	Gallons delivered to state and local government, including public schools, tax exempt. (Gasoline and Diesel fuels only)
10F	Gallons delivered to tax-free terminal storage
10G	Gallons delivered exempt to non-profit, private, parochial or denominational school, college or university
10M	Gallons sold to Fuel Feedstock Users, tax exempt (Gasoline only)
Blender's Schedule of Diversions	
11A	Gallons diverted TO Michigan
11B	Gallons diverted FROM Michigan

Schedule Type	IMPORTER SCHEDULE DESCRIPTIONS
Importer's Schedule of Receipts	
1	Gallons of fuel imported/acquired Michigan tax paid to supply source.
2C	Gallons imported from outside the United States.
3B	Gallons imported from bulk storage outside of Michigan.
Importer's Schedule of Disbursements	
5	Taxable gallons sold, removed or imported.
5C	Gallons of aviation fuel sold to Aviation Fuel Registrants for resale
5F	Gallons of dyed diesel fuel sold or used for taxable purposes.
6F	Gallons of dyed diesel product removed.
8	Gallons delivered to US Government, tax exempt
9	Gallons delivered to state and local government, including public schools, tax exempt. (Gasoline and Diesel fuels only)
10G	Gallons delivered exempt to non-profit, private, parochial or denominational school, college or university
10M	Gallons sold to Fuel Feedstock Users, tax exempt (Gasoline only)
Importer's Schedule of Diversions	
11A	Gallons diverted TO Michigan
11B	Gallons diverted FROM Michigan

Schedule Type	CARRIER SCHEDULE DESCRIPTIONS
Carrier Schedule of Deliveries	
14A	Deliveries of petroleum product from Michigan transported to locations outside of Michigan (Exports).
14B	Deliveries of petroleum product from out-of-state terminals and refineries transported into Michigan (Imports).
14C	Deliveries of petroleum product from Michigan terminals and refineries transported elsewhere in Michigan (Intrastate).

Schedule Type	TRANSPORTER SCHEDULE DESCRIPTIONS
Transporter Schedule of Deliveries or Diversions	
11A	Gallons diverted TO Michigan
11B	Gallons diverted FROM Michigan
14A	Deliveries of petroleum product loaded in Michigan and transported to locations outside of Michigan (Exports).
14B	Deliveries of petroleum product loaded at out-of-state bulk plants, terminals and/or refineries, and transported into Michigan (Imports).

Schedule Type	EXPORTER SCHEDULE DESCRIPTIONS
Exporter's Schedule of Exports	
7A	Gallons exported, destination state tax paid.
7B	Gallons exported, Michigan tax paid.

Schedules prior to September 2006

Schedule Type	SUPPLIER SCHEDULE DESCRIPTIONS
Supplier's Schedule of Receipts	
1	Gallons of fuel imported/acquired Michigan tax paid to supply source.
2C	Gallons imported from outside the United States.
2X	Gallons received from other suppliers on exchange agreement above the terminal rack (two-party exchange receipts).
3	Gallons imported from another state.
Supplier's Schedule of Disbursements	
5	Gallons of taxable fuel removed, sold or imported. Do not include gallons reported on other disbursement schedules.
5C	Gallons of taxable aviation fuel sold to Aviation Fuel Registrants for resale.
5F	Gallons of dyed diesel fuel sold/used for taxable purposes with Michigan tax collected.
6F	Gallons of dyed diesel fuel sold or removed for tax-exempt purposes.
6P	Gallons sold to licensed suppliers for immediate delivery outside Michigan, with Michigan tax not collected.
6X	Gallons delivered to another supplier or permissive suppliers on exchange agreement above the terminal rack (two-party exchange deliveries).
7A	Gallons exported by supplier or sold for export - Destination state tax collected or accrued. (Michigan tax was not collected.)
7B	Gallons sold for export with Michigan tax collected.
8	Gallons delivered tax-exempt to the U.S. government.
9	Gallons sold tax-exempt to state and/or local government in Michigan (including public schools). Gasoline and diesel fuels only.
10B	Total gallons of Foreign Trade Zone (FTZ) aviation Fuel disbursed
10F	Gallons delivered into tax-free terminal storage.
10G	Gallons sold tax-exempt to non-profit, private, parochial or denominational school, college or university, used in buses for transportation of students for authorized functions.
10M	Gallons of gasoline sold tax-free to fuel feedstock users.
13C	Gallons for tax-exempt credit card sales made to the United States Government.
13H	Gallons for tax-exempt credit card sales made to the State and Local Government.
Supplier's Schedule of Diversions	
11A	Diversions TO Michigan
11B	Diversions FROM Michigan

Schedule Type	TERMINAL OPERATOR SCHEDULE DESCRIPTIONS
Terminal Operator's Schedule of Receipts	
15A	Terminal Operator Schedule of Receipts
Terminal Operator's Schedule of Disbursements	
15B	Terminal Operator Schedule Of Disbursements

Schedule Type	IMPORTER SCHEDULE DESCRIPTIONS
Importer's Schedule of Receipts	
1	Gallons imported/acquired Michigan tax paid to supply source.
2C	Gallons imported from outside the United States with Michigan tax paid.
3A	Gallons imported from terminals outside of Michigan.
3B	Gallons imported from bulk storage outside Michigan,
Importer's Schedule of Disbursements	
5	Gallons of taxable fuel removed, sold or imported.
5C	Gallons of aviation fuel sold to Aviation Fuel Registrants for resale.
5F	Gallons of dyed diesel fuel sold/used for taxable purposes.
8	Gallons sold tax-free to United States government.
9	Gallons sold tax-free to state and local government. (gasoline and diesel fuel only)
10G	Gallons sold tax-free to non-profit, parochial or denominational school, college or university.
10M	Gallons of gasoline sold tax-free to feedstock users.

Schedule Type	CARRIER SCHEDULE DESCRIPTIONS
Carrier Schedule of Deliveries	
14A	Deliveries from Michigan transported to locations outside of Michigan (Exports).
14B	Deliveries from out-of-state terminals and refineries transported into Michigan (Imports)
14C	Deliveries from Michigan terminals and refineries transported elsewhere in Michigan (Intrastate).

Schedule Type	TRANSPORTER SCHEDULE DESCRIPTIONS
Transporter Schedule of Deliveries	
14A	Deliveries of petroleum product loaded in Michigan and transported to locations outside of Michigan. (Exports)
14B	Deliveries of petroleum product loaded at out-of state bulk plants, terminals, and/or refineries and transported into Michigan (imports)

Schedule Type	EXPORTER SCHEDULE DESCRIPTIONS
Exporter's Schedule of Exports	
7A	Gallons exported, destination state tax paid
7B	Gallons exported Michigan Tax Paid

Appendix C - Product Codes

See Michigan E-file website for most recent version of Michigan Product Codes.

Appendix D - Summary Codes / TIA Codes

Important:

Beginning with the September 2006 Supplier Return there are three lines that must be reported using Summary Values. For prior returns there are four lines to report. Report applicable values in the following segments:

Blender's Report – Use for Blender Returns beginning with September 2006

Field Description	TFS02 Code	TIA Code	Units
Part 4 – Line 36 – Gallons used for non-taxable use			
All products except for Dyed Diesel fuels	S03A	5006	Gallons

Supplier's Report – Use for Supplier Returns beginning with September 2006

Field Description	TFS02 Code	TIA Code	Units
Part 1 – Line 19 – Airlines Only : Credit for interstate flights – 1.5 cents/gallon			
Aviation Fuel only	S03A	5003	Dollars
Part 1 – Line 21 – Tax recovered that was previously deducted as uncollectible			
Use for all Product Types	S02A	5003	Dollars
Part 3 – Line 47 – Gallons used for own non-taxable purposes			
Gasoline and Diesel fuels only	S03A	5006	Gallons

Supplier's Report – Use for Supplier Returns beginning with March 2004 through August 2006

Field Description	TFS02 Code	TIA Code	Units
Part 1 – Line 16 Credit for interstate flights – Airlines only			
Use for Aviation only	S03A	5003	Dollars
Part 1 – Line 17 – Tax deemed uncollectible			
Use for all Product Types	S04A	5003	Dollars
Part 1 – Line 21 – Tax recovered that was previously deducted as uncollectible			
Use for all Product Types	S02A	5003	Dollars
Part 3 – Line 45 Gallons used for own non-taxable purposes			
Use for Gasoline and Undyed Diesel only	S03A	5006	Gross Gallons

Supplier's Report – Use for Supplier Returns prior to and not including March 2004

Field Description	TFS02 Code	TIA Code	Units
Part 1 – Line 18 Credit for interstate flights – Airlines only			
Use for Aviation only	S03A	5003	Dollars
Part 1 – Line 19 – Tax deemed uncollectible			
Use for all Product Types	S04A	5003	Dollars
Part 1 – Line 22 – Tax recovered that was previously deducted as uncollectible			
Use for all Product Types	S02A	5003	Dollars
Part 3 – Line 46 Gallons used for own non-taxable purposes (Form 680)			
Use for Gasoline and Undyed Diesel only	S03A	5006	Gross Gallons

Carrier's Report (Pipeline, Barge, and Marine Vessel), Exporter, and Transporter

No TIA values to report.

Importer Reports (Bonded, Occasional and Tank Wagon Operators)

Field Description	TFS02 Code	TIA Code	Units
Part 4 – Line 32 Gallons used for own non-taxable purposes (Form 680)			
Use for Gasoline and Undyed Diesel only	S03A	5006	Gross Gallons

FTA Uniformity TIA Codes

The data represented by these TIA codes is not derivable from schedules or represents a check value.		
5000	Version of taxing authority's implementation guide	Header
5001	Total Net Reported	Header
5002	Net Physical Inventory	TOR, SSU, SIR, SER, CCR
5003	Total Due	SSU, SIR, SER
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 “_” in the code table represents a space. The X.12 standard requires 2 characters in the field using this code.

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

USA (US) State	Abbreviation	Canadian (CA) Province/Territory	Abbreviation
Alabama	AL	Alberta	AB
Alaska	AK	British Columbia	BC
Arizona	AZ	Manitoba	MB
Arkansas	AR	New Brunswick	NB
California	CA	Newfoundland	NF
Colorado	CO	Northwest Territory	NT
Connecticut	CT	Nova Scotia	NS
Delaware	DE	Nunavut	NU
District of Columbia	DC	Ontario	ON
Florida	FL	Prince Edward Island	PE
Georgia	GA	Quebec	QC
Hawaii	HI	Saskatchewan	SK
Idaho	ID	Yukon Territory	YT
Illinois	IL		
Indiana	IN	Mexican (MX) 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 - Sample Returns

Sample returns and EDI mapping can be obtained from the website at www.michigan.gov/motorfuel/file.