



Wisconsin XML Electronic Filing Guide for Motor Fuel
Motor Fuel Uniformity XML Returns

Implements Motor Fuel Uniformity XML Schema MFETV4.0

Wisconsin Electronic Filing Guide for Motor Fuel Uniformity XML Returns

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Introduction

The Wisconsin Department of Revenue has established an electronic file and pay program for Suppliers, Terminal Operators, and Transporters using the Motor Fuel Electronic Filing Program. Suppliers, Terminal Operators, and Transporters are required to file electronically, either via My Tax Account or Extensible Markup Language (XML).

Effective 1 October 2020, the Department will require XML filers to use the Motor Fuel Uniformity Schema version MFETV4.0. This update allows for better reporting of foreign addresses. The transmission method will continue to be through secureFTP.

This user guide provides electronic filers with the necessary information to successfully implement the state electronic filing program and identifies those items which are unique to the electronic filing of the Wisconsin motor fuel taxes.

Definitions

SFTP: The Department's method of receiving returns and providing acknowledgments of electronic motor fuel taxes returns.

Department: Wisconsin Department of Revenue.

Reporting period: The calendar period that must be reported on a specific tax return.

SoftwareID: A unique identifier used by a software provider and accepted by the Department.

Responsibilities

The following compliance requirements must be met:

- **Department**
 - Respond to inquiries to DORDeveloperRelations@wisconsin.gov within one to two business days.
 - Provide SFTP for all test and production returns.
 - Facilitate testing efforts.
 - Communicate tax rate, system and schema changes.
 - Approve software providers.
 - Approve filers for production XML MF-002 filing.

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- **Software Provider**

- Develop tax preparation software in accordance with statutory requirements of the Department return preparation instructions.
- Provide accurate Wisconsin MF-002 returns in correct electronic format for transmission.
- Refrain from developing software to support electronic filing (transmission) of any form that will be submitted to the Department without prior approval.
- Prevent electronic transmission of returns and/or supporting documents or schedules not approved for electronic filing by the Department. This is inclusive of those not supported for electronic filing as well as those supported but not successfully tested or approved by the Department.
- Adhere to all State procedures, requirements and specifications.
- Submit required test returns.
- Implement any changes required by the Department upon review of test returns.

- **Filer**

- Adhere to all State procedures, requirements and specifications.
- Submit required test returns.
- Implement any changes required by the Department upon review of test returns.
- Submit file and receive acknowledgments using SFTP. Set up information can be found at <https://www.revenue.wi.gov/Documents/mfwamsinst.pdf>

Software Provider Testing and Approval

The Wisconsin Department of Revenue will provide a test package available for download at <https://www.revenue.wi.gov/Pages/OnlineServices/motorfuel-home.aspx>. This package will include all test scenarios that must be submitted and passed prior to receiving approval for production filing. Each test scenario will describe the requirements of the return.

Test returns will be submitted through an SFTP account that will be set up for testing. If you do not currently have an account with the department, please contact DORDeveloperRelations@wisconsin.gov for information.

Each return will be validated against the MFETV4.0 schema, loaded to a test environment, and reviewed for content by our Excise team. Discrepancies, errors, or approval will be reported in an email to the software provider.

The software provider must be approved prior to any client/filer being approved to file production MF-002 XML returns.

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New and Existing Filer Testing and Approval

The Wisconsin Department of Revenue will provide a test package available for download at <https://www.revenue.wi.gov/Pages/OnlineServices/motorfuel-home.aspx>. This package will include all test scenarios that must be submitted and passed prior to receiving approval for production filing. There will be separate folders and scenarios for each type of filer, Terminal Operator, Carrier, Supplier etc. Each test scenario will describe the requirements of the return.

Test returns will be submitted through the SFTP account that you have been using to file production returns. The department will make use of the testdropoff folder for submission of your test returns. If you do not currently have an account with the department, please contact DORDeveloperRelations@wisconsin.gov for information.

Each return will be validated against the MFETV4.0 schema, loaded to a test environment, and reviewed for content by our Excise team. Discrepancies, errors, or approval will be reported in an email to the software provider.

Your software provider must be approved prior to your being approved to file production MF-002 XML returns.

Continued Testing

The SFTP system will be available for testing of your returns at any time. You can make use of the testdropoff folder to test any return. The department will process the return through our test system which mirrors production and provide an acknowledgment to the testpickup folder. This is an automated process once you have gained approval for production filing. Prior to production approval the department will require notification of your test returns. Notification should be sent to DORDeveloperRelations@wisconsin.gov.

File Transmission Method

The Wisconsin Department of Revenue provides an SSH File Transfer Protocol (SFTP) application for transmission of XML MF-002 returns and their acknowledgments. This is a secure process. This process requires the filer to have software, an FTP client, on their computer. There are several free FTP clients available for download. The department will provide information on the downloading and set-up of free software during your initial account activation. The department requires filers to have an id and password that is used to gain access to their account.

Accounts have 4 folders on available with usage as follows:

dropoff – This folder is where a filer will place their production MF-002 XML returns.

pickup – This folder is where the department will place acknowledgments for production returns. The files in this folder are the property of the filer and can be downloaded and removed at their discretion. It is recommended to save the acknowledgments to your system and remove files from this directory on a regular basis.

testdropoff – This folder is where a filer will place any test MF-002 XML returns.

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testpickup – This folder is where the department will place acknowledgments for test returns. This will become automatic once the filer has achieved production approval.

If you have questions regarding sFTP file transfers with the department, please contact DORDeveloperRelations@wisconsin.gov.

Acknowledgments

The Wisconsin Department of Revenue will provide an XML acknowledgment (Ack) for each file received. The Ack will use the Acknowledgment.xsd schema found in the ExtendedCommon folder of the MFETV4.0 schema package. Acks will be delivered to your appropriate SFTP pickup or testpickup folder. Acks will have the same name as the return we received with a letter appended prior to the .xml extension. An "E" will be used to indicate the file was rejected with an error. In the case of an error the Ack will indicate the number of errors and detail each error. An "R" will be used to indicate the file was received, accepted, and processed.

The department strives to provide an Ack within 1 hour after receipt of the return. There are times when acks may take longer depending on the time we receive the file. In most cases the Ack will be delivered prior to 9 AM the following business day. If you have any issues with Acks please contact DORDeveloperRelations@wisconsin.gov.

Further information can be found at <https://www.revenue.wi.gov/Pages/OnlineServices/motorfuel-acknow.aspx>.

More Information

Motor Fuel Tax – General Information: <https://www.revenue.wi.gov/Pages/Businesses/MotorFuel.aspx>
Motor Fuel Tax e-file (XML): <https://www.revenue.wi.gov/Pages/OnlineServices/motorfuel-home.aspx>
MFET V4.0 Schema Package: <https://www.revenue.wi.gov/Documents/MFETV4.0.zip>
Header Analysis: <https://www.revenue.wi.gov/Documents/MFHeaderAnalysisV4.0.pdf>
Changes between schema V1.1 & V4.0: <https://www.revenue.wi.gov/Documents/MFET1.1Vs.MFET4.0.pdf>

Sample returns:

- Sample Header V4.0: <https://www.revenue.wi.gov/Documents/MFSampleHeader.V4.0.xml>
- Sample Suppliers Report V4.0: <https://www.revenue.wi.gov/Documents/M0201234567892020086ss1.xml>
- Sample Carrier Report V4.0: <https://www.revenue.wi.gov/Documents/M0201234567892020073sc1.xml>
- Sample Replace Returns V4.0: <https://www.revenue.wi.gov/Documents/M0201234567892020090cr1.xml>
- Sample Terminal Operators Report V4.0: <https://www.revenue.wi.gov/Documents/M0201234567892020087st1.xml>

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- Sample Supplemental Return V4.0 <https://www.revenue.wi.gov/Documents/M0201234567892020086sp1.xml>

Motor Fuel XML Business Rules: <https://www.revenue.wi.gov/Documents/MotorFuelXML-BusinessRules.pdf>

Testing Program: <https://www.revenue.wi.gov/Documents/MotorFuelXML-BusinessRules.pdf>

Known Issues and Workarounds: <https://www.revenue.wi.gov/Pages/OnlineServices/motorfuel-wrkarnds.aspx>

This information is not changing with V4.0:

- Acknowledgments: <https://www.revenue.wi.gov/Pages/OnlineServices/motorfuel-acknow.aspx>
- Common Errors in XML: <https://www.revenue.wi.gov/Pages/OnlineServices/motorfuel-errors.aspx>
- e-Filing General Information: <https://www.revenue.wi.gov/Pages/OnlineServices/motorfuel-geninfo.aspx>
- Motor Fuel Product Codes: <https://www.revenue.wi.gov/Documents/MVF-ProductCodes.pdf>
- Schedule and Mode Codes: <https://www.revenue.wi.gov/Documents/Schedule-and-ModeCodes.pdf>
- Validation Tables: <https://www.revenue.wi.gov/Documents/MotorFuelValidationTable.pdf>

Table Column Definitions:

- Element Name: Name of Schema element
- XPath: The path one must follow from the root element to this element
- Required/Optional/Choice: This column will contain an R, an O, or a C
 - R: Required elements are either required by the schema itself or by the state of Wisconsin. Both situations will have an 'R' in this column. If required by Wisconsin, that will be noted in the description.
 - O: Many elements are optional. If an optional element has child elements, they can be ignored if it is not necessary to submit the parent element. If an optional element is submitted, any children listed as 'required' must then be submitted.
 - C: Some elements are 'choice' elements, meaning that either zero or one of the choices needs to be submitted. The 'Choice' column will denote which of the elements are in a group together.
- Description: Contains details about the element's format, the data expected in the element, etc.
- Parent Tag: Used to denote an element that has child elements. Contains an identifier used to link to those elements.
- Child Tag: Used to denote an element that has a parent element. Contains an identifier used to link to that element.
- Choice: Used to denote an element that is part of a 'choice group,' or several elements where one or none of them needs to be selected. This column will indicate how the choice is structured by the schema.
- Wisconsin MF-002 Line Reference: For your convenience, this column lists where this information would be written if the return were to be submitted using our paper forms. Please note that our software uses many elements that are in the schema but not on the paper form. Filers must submit all required elements, even if that element does not correspond to a line on Form MF-002.

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Table 1 – Motor Fuels Filing – Highest Level/Root Element

This table contains information about the primary schema level and each of the reports branching from it.

Element Name	XPath	Required/ Optional/ Choice	Description	Parent To	Child Of	Choice Group	Wisconsin MF-002 Line Reference
MotorFuelsFiling	MotorFuelsFiling	R	Root element				
Attribute: stateSchemaVersion	MotorFuelsFiling/@stateSchemaVersion	O	If present use - WIMFETV4.0				
SubmissionId	MotorFuelsFiling/SubmissionId	R	String max 20 characters – Use the Wisconsin file naming convention here. The SubmissionId should match the submitted file name. Format as follows: <ul style="list-style-type: none"> • Middle 10 digits of tax account number • 4-digit Year • 3-digit Julian Date • 3-character sequencer of your choice – lower case alpha or numeric. This serves as a tiebreaker for multiple returns submitted on the same day. For example, a filer with a tax account number of 540-1234567890-01, filing a return on the 125 th day of 2020 would have a submission ID of 12345678902020125a01, and their file name must be named 12345678902020125a01.xml.				Used to acknowledge return
MotorFuelsHeader	MotorFuelsFiling/MotorFuelsHeader	R	See Table 2 below				Section 1
TerminalOperatorReport	MotorFuelsFiling/TerminalOperatorReport	O	See Table 3 below				Sections 4 & 5
SupplierReport	MotorFuelsFiling/SupplierReport	O	See Table 4 below				Section 2
CarrierReport	MotorFuelsFiling/CarrierReport	O	See Table 5 below				Section 3

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DistributorReport	MotorFuelsFiling/ DistributorReport	O	The Distributor Report is unused by Wisconsin				
RetailerReport	MotorFuelsFiling/RetailerReport	O	The Retailer Report is unused by Wisconsin				
FinancialTransaction	MotorFuelsFiling/ FinancialTransaction	O	See Table 6 below				

Table 2 – MotorFuelsHeader

This table contains identifying information about the filer and this filing.

Element Name	XPath	Required/ Optional/ Choice	Description	Parent To	Child Of	Choice Group	Wisconsin MF-002 Line Reference
MotorFuelsFiling	MotorFuelsFiling	R	Root element				
SubmissionId	MotorFuelsFiling/SubmissionId	R	SubmissionId – See Table 1				Used to acknowledg e return
MotorFuelsHeader	MotorFuelsFiling/ MotorFuelsHeader	R	MotorFuelsHeaderType				
Attribute: binaryAttachmentCo unt	MotorFuelsFiling/MotorFuelsHe ader/@binaryAttachmentCount	O	This is unused in the MFET package. There is no BinaryAttachment node included in the package, so this should not be included for Wisconsin.				
Jurisdiction	//MotorFuelsHeader/Jurisdiction	R	WI				
Timestamp	//MotorFuelsHeaderHeader/Ti mestamp	R	TimestampType – Format as follows: 2018-03-21T09:30:47Z				
TaxPeriodBeginDate	//MotorFuelsHeaderHeader /TaxPeriodBeginDate	R	Required for WI. Must be beginning of the period being reported – yyyy-mm-dd – All transactions included in the return must fall between the period begin date and the period end date				Section 1: Used to assign filing period
TaxPeriodEndDate	//MotorFuelsHeaderHeader /TaxPeriodEndDate	R	Required for WI. Must be the end of the period being reported – yyyy-mm-dd - All transactions included in the return must fall between the period begin date and the period end date				Section 1: Used to assign filing period
TaxYear	// MotorFuelsHeaderHeader /TaxYear	O	Tax year being reported – YearType – 4 digits				

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Quarter	//MotorFuelsHeaderHeader/Quarter	O	Not used by Wisconsin				
DisasterRelief	//MotorFuelsHeaderHeader/DisasterRelief	O	Not used by Wisconsin				
ISPNumber	//MotorFuelsHeaderHeader/ISPNumber	O	Not used by Wisconsin				
PaidPreparerInformation	//MotorFuelsHeader/PaidPreparerInformation	O	Parent for preparer information – If appropriate	A			
DateSigned	//PaidPreparerInformation/DateSigned	O	DateType – ccyy-mm-dd		A		
SelfEmployed	//PaidPreparerInformation/SelfEmployed	O	CheckboxType – Value is "X" if checked		A		
SSN	//PaidPreparerInformation/SSN	C	SSNType – 9-digit SSN		A	C1 – Optional choice – may select nothing or one of the following: SSN, PTIN, or StateID	
PTIN	//PaidPreparerInformation/PTIN	C	PTINType – P followed by 8 digits		A	C1 – Optional choice – may select nothing or one of the following: SSN, PTIN, or StateID	
StateID	//PaidPreparerInformation/StateID	C	String20Type – State assigned Id, if appropriate		A	C1 – Optional choice – may select nothing or one of the following: SSN, PTIN, or StateID	
PreparerFirmIDNumber	//PaidPreparerInformation/PreparerFirmIDNumber	C	EINType – 9-digit FEIN		A	C2 – Optional choice – may select nothing or one of the following: PreparerFirmIDNumber or StateEIN	
StateEIN	//PaidPreparerInformation/StateEIN	C	String20Type – State account number, if appropriate		A	C2 – Optional choice – may select nothing or one of the following: PreparerFirmIDNumber or StateEIN	
PreparerBusinessName	//PaidPreparerInformation/PreparerBusinessName	O	Parent of BusinessNameLine1Txt and BusinessNameLine2Txt	B	A		

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BusinessNameLine1Txt	//PaidPreparerInformation/PreparerBusinessName/BusinessNameLine1Txt	R	BusinessNameLine1Type – Line 1 of a business name		B		
BusinessNameLine2Txt	//PaidPreparerInformation/PreparerBusinessName/BusinessNameLine2Txt	O	BusinessNameLine2Type – Line 2 of business name, if appropriate		B		
PreparerPersonName	ReturnState/ReturnHeaderState/PaidPreparerInformation/PreparerPersonName	R	PersonNameType – combined name – example: Ida Know		A		
PreparerUSAddress	//PaidPreparerInformation/PreparerUSAddress	C	Parent of USAddress	D	A	C3 - Optional Choice – may select nothing or one of the following: PreparerUSAddress, PreparerForeignAddress	
AddressLine1Txt	//PreparerUSAddress/AddressLine1Txt	R	StreetAddressType - Used for a street address.		D		
AddressLine2Txt	//PreparerUSAddress/AddressLine2Txt	O	StreetAddressType - Used for a street address.		D		
CityNm	//PreparerUSAddress/CityNm	R	CityType - Used for a city.		D		
StateAbbreviationCd	//PreparerUSAddress/StateAbbreviationCd	R	StateType - State abbreviations, a.k.a. state codes		D		
ZIPCd	//PreparerUSAddress/ZIPCd	R	ZIPCodeType - ZIP Code - 5 digits plus optional 4 or 7 digits		D		
PreparerForeignAddress	//PaidPreparerInformation/PreparerForeignAddress	C	Parent of ForeignAddress	E	A	C3 - Optional Choice – may select nothing or one of the following: PreparerUSAddress, PreparerForeignAddress	
AddressLine1Txt	//PreparerForeignAddress/AddressLine1Txt	R	StreetAddressType - Used for a street address.		E		
AddressLine2Txt	//PreparerForeignAddress/AddressLine2Txt	O	StreetAddressType - Used for a street address.		E		
CityNm	//PreparerForeignAddress/CityNm	O	TextType - City		E		
ProvinceOrStateNm	//PreparerForeignAddress/ProvinceOrStateNm	O	TextType – Province or state		E		
CountryCd	//PreparerForeignAddress/CountryCd	R	CountryType – Country abbreviations		E		

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ForeignPostalCd	//PreparerForeignAddress/ForeignPostalCd	O	TextType – Postal code		E		
Phone	//PaidPreparerInformation/Phone	C	Phone number – 10 digits no dashes		A	C4 – Optional Choice – may select nothing or one of the following: Phone, ForeignPhone	
ForeignPhone	//PaidPreparerInformation/ForeignPhone	C	Foreign phone number – up to 30 digits no dashes		A	C4 – Optional Choice – may select nothing or one of the following: Phone, ForeignPhone	
EmailAddress	/PaidPreparerInformation/EmailAddress	O	EmailAddressType – String 75-character max - Preparer email address, if available or appropriate		A		
Originator	//ReturnHeaderState/Originator	O	Parent that contains a choice of EFIN or AgentIdentifier, and OriginatorTypeCd, and PractitionerPIN	F			
EFIN	//Originator/EFIN	C	EFINType – 6 digits – Electronic Filing Identification Number of file originator if appropriate. This is assigned by IRS.		F	C5 – Required Choice - must select one: EFIN, AgentIdentifier	
AgentIdentifier	//Originator/AgentIdentifier	C	String20Type – Assigned identifier		F	C5 – Required Choice - must select one: EFIN, AgentIdentifier	
OriginatorTypeCd	//Originator/OriginatorTypeCd	R	Values are enumerated in efileTypes/OriginatorType – ERO OnlineFiler ReportingAgent IRSAgent FinancialAgent LargeTaxpayer		F		
PractitionerPIN	/Originator/PractitionerPIN	O	Parent that include a choice of (EFIN and PIN) or ReportingAgentSignature	G	F		
EFIN	//Originator/PractitionerPIN/EFIN	C	EFINType – 6 digits – Electronic Filing Identification Number of file originator if appropriate. This is assigned by IRS.		G	C6 – Required Choice - Must select either a) EFIN <u>and</u> PIN or b) ReportingAgentSignature	
PIN	//Originator/PractitionerPIN/PIN	R	PINType – 5 digits – Selected PIN		G		
ReportingAgentSignature	//Originator/PractitionerPIN/ReportingAgentSignature	C	PINTypeState – State issued PIN – 15 alphanumeric characters maximum		G	C6 – Required Choice - Must select either a)	

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						EFIN <u>and</u> PIN or b) ReportingAgentSignature	
SoftwareId	//MotorFuelsHeader/SoftwareId	R	Required by WI – 10-character string. SoftwareId identifies the software package				
SoftwareVersion	//MotorFuelsHeader/SoftwareVersion	O	20-character string that identifies the version of the software				
InternetProtocol	//MotorFuelsHeader/InternetProtocol	O	Parent that contains IPAddress and IPTimestamp	H			
IPAddress	//InternetProtocol/IPAddress	R	Parent that contains a choice of IPv4AddressTxt or IPv6AddressTxt	I	H		
IPv4AddressTxt	InternetProtocol/IPAddress/IPv4AddressTxt	C	Decimal format for IP Address – [0-9]{1,3}\.[0-9]{1,3}\.[0-9]{1,3}\.[0-9]{1,3}		I	C7 – Required Choice - Must select either IPv4AddressTxt or IPv6AddressTxt	
IPv6AddressTxt	InternetProtocol/IPAddress/IPv6AddressTxt	C	Hexidecimal format for IP Address – [0-9A-F:]{1,39}		I	C7 – Required Choice - Must select either IPv4AddressTxt or IPv6AddressTxt	
IPTimestamp	//InternetProtocol/IPTimestamp	R	TimestampType		H		
SignatureOption	//MotorFuelsHeader/SignatureOption	O	Parent that contains choice of SignatureDocument or SignaturePIN	J			
SignatureDocument	//SignatureOption/SignatureDocument	C	Enumeration: Retain Attach Mail		J	C8 – Required Choice - Must select either SignatureDocument or SignaturePIN	
Attribute: referenceDocumentId	//SignatureOption/SignatureDocument	O	referenceDocumentId would provide the ID of the attached document		J		
SignaturePIN	//SignatureOption/SignaturePIN	C	Parent that contains Signature, PrimaryPINEnteredBy, and SecondaryPINEnteredBy	K	J	C8 – Required Choice - Must select either SignatureDocument or SignaturePIN	
Signature	//SignaturePIN/Signature	R	PINCodeType		K		
PrimaryPINEnteredBy	//SignaturePIN/PrimaryPINEnteredBy	R	Enumeration: Taxpayer ERO		K		

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SecondaryPINEnteredBy	//SignaturePIN/SecondaryPINEnteredBy	O	Enumeration: Taxpayer ERO		K		
AmendedReturnIndicator	//MotorFuelsHeader/AmendedReturnIndicator	O	Must contain the value of "X" when this is an amended return				
OriginalSubmissionId	//MotorFuelsHeader/OriginalSubmissionId	O	Contains the original submission Id when this is an amended return – (EFIN + ccyydd + 7-digit seq#) - "[0-9]{13}[0-9a-z]{7}" This value should match the original submission id using the format noted above in the SubmissionId				
OriginalSubmissionDate	//MotorFuelsHeader/OriginalSubmissionDate	O	Date of original submission when this is an amended return – format is ccyymm-dd				
Filer	//MotorFuelsHeader /Filer	R	Identifies the filing entity – Parent that contains FEIN, SSN, CBN, StateLicenseNumber, Name, NameControl, DBA, and Signature	L			
FEIN	//Filer/FEIN	C	9-digit FEIN		L	C9 – Required Choice - must select either FEIN, SSN or CBN	Section 1 – FEIN or SSN
SSN	//Filer/SSN	C	9-digit Social Security Number		L	C9 – Required Choice - must select either FEIN, SSN or CBN	Section 1 – FEIN or SSN
CBN	//Filer/CBN	C	9-character Canadian Business Number		L	C9 – Required Choice - must select either FEIN, SSN or CBN	
StateLicenseNumber	//Filer/StateLicenseNumber	R	Required for Wisconsin – 15-digit Wisconsin Tax Account Number		L		Section 1 – Tax Account Number
Name	//Filer/Name	R	Required for Wisconsin - BusinessNameLine1Type		L		Section 1 – Legal Name
NameControl	//Filer/NameControl	O	First 4 characters of the business name		L		
DBA	//Filer/DBA	O	Name of the taxpayer or information filer if doing business as is different		L		
Signature	//Filer/Signature	O	Parent for AuthorCode and SecurityCode	M	L		
AuthorCode	//Signature/AuthorCode	R	String – No definition		M	C10 – Required Choice ' must select either AuthorCode or SecurityCode	

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SecurityCode	//Signature/SecurityCode	R	String – No definition		M	C10 – Required Choice ' must select either AuthorCode or SecurityCode	
Contact	//MotorFuelsHeader/Contact	O	Parent that contains typeOfContact, Name, Title, Department, Phone, Fax, and Email – Repeats as needed	N			
Name	//Contact/Name	R	Name of the contact		N		
Title	//Contact/Title	O	Title – String – max 35 characters		N		
Department	//Contact/Department	O	Department where the contact works. String 20		N		
Phone	//Contact/Phone	O	Phone number – 10 digits no dashes		N		
Fax	//Contact/Fax	O	Fax number – 10 digits no dashes		N		
Email	//Contact/Email	O	Email address, if provided		N		
Address	//MotorFuelsHeader/Address	O	Parent for typeOfAddress and changeOfAddress, and choice of USAddress, CanadianAddress, MexicanAddress, or OtherForeignAddress – Repeats as needed	P			
Attribute: typeOfAddress	//Address/typeOfAddress	O	Attribute – Enumeration: Business Mailing Both		P		
Attribute: changeOfAddress	//Address/changeOfAddress	O	Attribute indicate a change of address with a value of "X"		P		
USAddress	//Address/USAddress	C	Filer address – Parent of USAddress	Q	P	C11 – Required Choice – must select either USAddress, CanadianAddress, MexicanAddress, or OtherForeignAddress	
AddressLine1	//Address/USAddress/AddressLine1	R	StreetAddressType - Used for a street address.		Q		Section 1 – Mailing Address
AddressLine2	//Address/USAddress/AddressLine2	O	StreetAddressType - Used for a street address.		Q		
City	//Address/USAddress/City	O	CityType - Used for a city.		Q		Section 1 - City
County	//Address/USAddress/County	O	County name		Q		
State	//Address/USAddress/State	R	StateType - State abbreviations, a.k.a. state codes		Q		Section 1 – State

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ZIPCode	//Address/USAddress/ZIPCode	R	ZIPCodeType - ZIP Code - 5 digits plus optional 4 or 7 digits		Q		Section 1 - ZIP
InCareOfName	//Address/USAddress/InCareOfName	O	In care of name		Q		
CanadianAddress	//Address/CanadianAddress	C	Filer address – Parent for Canadian Address	R	P	C11 – Required Choice – must select either USAddress, CanadianAddress, MexicanAddress, or OtherForeignAddress	
AddressLine1	//Address/CanadianAddress/AddressLine1	R	StreetAddressType - Used for a street address.		R		
AddressLine2	//Address/CanadianAddress/AddressLine2	O	StreetAddressType - Used for a street address.		R		
City	//Address/CanadianAddress/City	R	CityType - Used for a city.		R		
Province	//Address/CanadianAddress/Province	R	Province abbreviation – enumerated in MFProvinceType		R		
PostalCode	//Address/CanadianAddress/PostalCode	R	Postal code – 6 digits		R		
InCareOfName	//Address/CanadianAddress/InCareOfName	O	In care of name		R		
MexicanAddress	//Address/MexicanAddress	C	Mexican address – parent for Mexican Address	S	P	C11 – Required Choice – must select either USAddress, CanadianAddress, MexicanAddress, or OtherForeignAddress	
AddressLine1	//Address/MexicanAddress/AddressLine1	R	StreetAddressType - Used for a street address.		S		
AddressLine2	//Address/MexicanAddress/AddressLine2	O	StreetAddressType - Used for a street address.		S		
City	//Address/MexicanAddress/City	R	CityType - Used for a city.		S		
MexicanState	//Address/MexicanAddress/MexicanState	R	Mexican State abbreviation – enumerated in MFMexicanStateType		S		
MexicanPostalCode	//Address/MexicanAddress/MexicanPostalCode	R	Postal code – 5 digits		S		

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InCareOfName	//Address/MexicanAddress /InCareOfName	O	In care of name		S		
OtherForeignAddress	//Address/OtherForeignAddresses	C	Other address – parent for address from other countries	T	P	C11 – Required Choice – must select either USAddress, CanadianAddress, MexicanAddress, or OtherForeignAddress	
AddressLine1	//Address/OtherForeignAddresses /AddressLine1	R	StreetAddressType - Used for a street address.		T		
AddressLine2	//Address/OtherForeignAddresses /AddressLine2	O	StreetAddressType - Used for a street address.		T		
City	//Address/OtherForeignAddresses /City	O	CityType - Used for a city.		T		
ProvinceOrState	//Address/OtherForeignAddresses /ProvinceOrState	O	String 50 type		T		
Country	//Address/OtherForeignAddresses /Country	R	ISO country abbreviation Enumerated in ISOCountryType		T		
OtherPostalCode	//Address/OtherForeignAddresses /OtherPostalCode	O	Postal code – up to 20 characters		T		
InCareOfName	//Address/OtherForeignAddresses /InCareOfName	O	In care of name		T		

[Return to Table1](#)

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Table 3 – Terminal Operator Report

Must include a Terminal Operator Report, or a Supplier Report, or a Carrier Report when filing.

Element Name	XPath	Required/ Optional/ Choice	Description	Parent To	Child Of	Choice Group	Wisconsin MF-002 Line Reference
MotorFuelsFiling	MotorFuelsFiling	R	Root element				
SubmissionId	MotorFuelsFiling/SubmissionId	R	SubmissionId – See Table 1				
MotorFuelsHeader	MotorFuelsFiling/ MotorFuelsHeader	R	Parent for Motor Fuels Header – See Above				
TerminalOperatorReport	MotorFuelsFiling/ TerminalOperatorReport	O	Parent for a Terminal Operator Report – Repeats as needed				
Attribute: reportUOM	MotorFuelsFiling/ TerminalOperatorReport/ @reportUOM	R	The report unit of measure – enumerated: Gallons Liters				
Attribute: reportCurrency	MotorFuelsFiling/ TerminalOperatorReport/ @reportCurrency	R	The report currency – enumerated: USD CAD				
ReportID	//TerminalOperatorReport/ ReportID	O	String to identify this report – should be unique				
NoActivity	//TerminalOperatorReport/ NoActivity	O	Checkbox to indicate no activity – Value is "X"				Section 4 – No Activity box
AmendedReason	//TerminalOperatorReport/ AmendedReason	O	Enumerated: Replace Supplemental Corrected				
ReportContact	//TerminalOperatorReport/ ReportContact	O	Individual to contact – Parent for typeOfContact, Name, Title, Department, Phone, Fax, and Email	A			
Attribute: typeOfContact	MotorFuelsFiling/ TerminalOperatorReport/ ReportContact/ @typeOfContact	O	Enumerated: General Technical				
Name	//TerminalOperatorReport/ ReportContact/Name	R	Name of contact – example – Al Fabet		A		
Title	//TerminalOperatorReport/ ReportContact/Title	O	String up to 35 characters. contact's title		A		

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Department	//TerminalOperatorReport/ ReportContact/Department	O	String up to 20 characters – department where the contact works		A		
Phone	//TerminalOperatorReport/ ReportContact/Phone	O	10-digit phone number		A		
Fax	//TerminalOperatorReport/ ReportContact/Fax	O	10-digit fax number		A		
Email	//TerminalOperatorReport/ ReportContact/Email	O	Email address		A		
TerminalCode	//TerminalOperatorReport/ TerminalCode	R	IRS registered Terminal Code – 9 characters				
PropertyAcquiredDate	//TerminalOperatorReport/ PropertyAcquiredDate	O	Date the terminal was acquired				
PropertySoldDate	//TerminalOperatorReport/ PropertySoldDate	O	Date the terminal was sold				
InventoryDate	//TerminalOperatorReport/ PropertySoldDate	O	Date of inventory				
TerminalReportDetails	//TerminalOperatorReport/ TerminalReportDetails	O	Parent for MFTerminalReportDetailType, inventoryUOM, ProductCode, BeginningInventory, GainLoss, and PhysicalInventory	B			
Attribute: inventoryUOM	//TerminalReportDetails/ @inventoryUOM	O	Enumerated: Net Gross		B		
ProductCode	//TerminalReportDetails/ ProductCode	R	FTA Uniform Product Code		B		
BeginningInventory	//TerminalReportDetails/ BeginningInventory	O	Integer – 18-digit max		B		
GainLoss	//TerminalReportDetails/ GainLoss	O	Integer – 18-digit max		B		
PhysicalEndingInventory	//TerminalReportDetails/ PhysicalEndingInventory	O	Integer – 18-digit max		B		
TerminalPositionHolderReport	//TerminalOperatorReport/ TerminalPositionHolderReport	O	Parent for MFPositionHolderReportType – Repeats as needed	C			
PositionHolder	//TerminalPositionHolderReport/ PositionHolder	R	Parent for MFParticipantType – Choice of FEIN, SSN, or CBN, then Name	D	C		
FEIN	//TerminalPositionHolderReport/ PositionHolder/FEIN	C	9-digit EIN		D	C1 – Required Choice - must select either FEIN, SSN or CBN	

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SSN	//TerminalPositionHolderReport/PositionHolder/SSN	C	9-digit SSN		D	C1 – Required Choice - must select either FEIN, SSN or CBN	
CBN	//TerminalPositionHolderReport/PositionHolder/CBN	C	9-character Canadian Business Number		D	C1 – Required Choice - must select either FEIN, SSN or CBN	
Name	//TerminalPositionHolderReport/PositionHolder/Name	O	Name of position holder – 50-character max		D		
ProductCode PositionHolderInventory	//TerminalPositionHolderReport/ProductCode	R	FTA Uniform Product Code		C	Elements repeat together as needed	
	//TerminalPositionHolderReport/PositionHolderInventory	R	Parent for inventoryUOM, PHBeginningInventory, PHTotalReceipt, PHTotalDisbursement, PHGainLoss, PHEndingInventory	E	C	Elements repeat together as needed	
Attribute: inventoryUOM	//TerminalPositionHolderReport/PositionHolderInventory/@inventoryUOM	O	Enumerated: Net Gross		E		
PHBeginningInventory	//PositionHolderInventory/PHBeginningInventory	O	Integer – 18-digit max Typo in element name noted – correct as shown per schema from Uniformity		E		
PHTotalReceipt	//PositionHolderInventory/PHTotalReceipt	O	Integer – 18-digit max		E		
PHTotalDisbursement	//PositionHolderInventory/PHTotalDisbursement	O	Integer – 18-digit max		E		
PHGainLoss	//PositionHolderInventory/PHGainLoss	O	Integer – 18-digit max		E		
PHEndingInventory	//PositionHolderInventory/PHEndingInventory	R	Integer – 18-digit max		E		
TerminalOperatorSchedule	//TerminalOperatorReport/TerminalOperatorSchedule	O	Parent for TerminalOperatorScheduleType – This is where you will report your invoices – Repeats as needed	F			See MF-002T
ScheduleCode	//TerminalOperatorSchedule/ScheduleCode	R	FTA Uniform schedule code		F		MF-002T, Schedule Type
ProductCode	//TerminalOperatorSchedule/ProductCode	R	FTA Uniform product code		F		MF-002T, Product Type
Mode	//TerminalOperatorSchedule/Mode	R	FTA Uniform transaction mode code		F		MF-002T, Transportation Mode

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DocumentNumber	//TerminalOperatorSchedule/DocumentNumber	O	String 20 – Invoice number		F		MF-002T, Bill of Lading Number
ReceivedShippedDate	//TerminalOperatorSchedule/ReceivedShippedDate	O	Date – ccyymmdd format		F		MF-002T, Bill of Lading Date
Origin	//TerminalOperatorSchedule/Origin	O	Parent for choice of TerminalCode, FacilityNumber, and Address information	G	F		
TerminalCode	//Origin/TerminalCode	C	IRS registered Terminal Code – 9 characters		G	C2 – Required Choice - must select either a or b: a) Terminal Code, b) state choice C3 – see below - sequence of (AddressLine, (Choice of City or County), (Choice of State, Province, MexicanState, or MFOtherCountryDivision) and Country)	MF-002T, Origin
FacilityNumber	//Destination/FacilityNumber	C	Unused by Wisconsin		G	C2 – Required Choice - must select either a or b: a) Terminal Code, b) state choice C3	
			Choice group C3 syntax: When choosing this option from choice group C2, <u>must</u> select either State, Province, MexicanState, or MFOtherCountryDivision. May select either AddressLine and/or Country, but these are optional. May also select either City or County, but these are also optional.		G		
AddressLine	//Origin/AddressLine	O	Street address.		G	C3 – may include this information – not required.	
City	//Origin/City	C	City name		G	C3 - Optional Choice with County	
County	//Origin/County	C	County		G	C3 - Optional Choice with City	

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State	//Origin/State	C	State abbreviation - MFStateOnlyType		G	C3 – Required Choice - must choose either State, Province, MexicanState, or MFOtherCountryDivision	MF-002T, Origin
Province	//Origin/Province	C	Province abbreviation - MFProvinceType		G	C3 – Required Choice - must choose either State, Province, MexicanState, or MFOtherCountryDivision	MF-002T, Origin
MexicanState	//Origin/MexicanState	C	Mexican state abbreviation – MFMexicanStateType		G	C3 – Required Choice - must choose either State, Province, MexicanState, or MFOtherCountryDivision	MF-002T, Origin
MFOtherCountryDivision	//Origin/MFOtherCountryDivision	C	Other country abbreviation 1 to 3 characters		G	C3 – Required Choice - must choose either State, Province, MexicanState, or MFOtherCountryDivision	
Country	//Origin/Country	O	Country abbreviation - ISOCountryType		G	C3 – may include this information – not required.	
Destination	//TerminalOperatorSchedule/Destination	O	Parent for MFTerminalLocationType	H	F		
TerminalCode	//Destination/TerminalCode	C	IRS registered Terminal Code – 9 characters			C4 – Required Choice - must select either a or b: a) Terminal Code, b) state choice C5 - Required Choice with sequence of (AddressLine, (Choice of City or County), (Choice of State, Province,	MF-002T, Destination

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						MexicanState, or MFOtherCountryDivision) and Country)	
FacilityNumber	//Destination/FacilityNumber	C	Unused by Wisconsin		H	C4 – Required Choice - must select either a or b: a) Terminal Code, b) state choice C5	
			Choice group C5 syntax: When choosing this option from choice group C4, <u>must</u> select either State, Province, MexicanState, or MFOtherCountryDivision. May select either AddressLine and/or Country, but these are optional. May also select either City or County, but these are also optional.		H		
AddressLine	//Destination/AddressLine	O	Street address		H	C5 – may include this information – not required.	
City	//Destination/City	C	City name		H	C5 - Optional Choice with County	
County	//Destination/County	C	County		H	C5 - Optional Choice with City	
State	//Destination/State	C	State abbreviation - MFStateOnlyType		H	C5 – Required Choice - must choose either State, Province, MexicanState, or MFOtherCountryDivision	MF-002T, Destination
Province	//Destination/Province	C	Province abbreviation - MFProvinceType		H	C5 – Required Choice - must choose either State, Province, MexicanState, or MFOtherCountryDivision	MF-002T, Destination
MexicanState	//Destination/MexicanState	C	Mexican state abbreviation – MFMexicanStateType		H	C5 – Required Choice - must choose either State, Province, MexicanState, or MFOtherCountryDivision	MF-002T, Destination

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MFOtherCountryDivision	//Destination/MFOtherCountryDivision	C	Other country abbreviation 1 to 3 characters		H	C5 – Required Choice - must choose either State, Province, MexicanState, or MFOtherCountryDivision	
Country	//Destination/Country	O	Country abbreviation - ISOCountryType		H	C5 – may include this information – not required.	
Carrier	//TerminalOperatorSchedule/Carrier	O	Parent for MFParticipantType	I	F		
FEIN	//Carrier/FEIN	C	9-digit EIN		I	C6 – Must Select One: FEIN, SSN or CBN	MF-002T, Carrier
SSN	//Carrier/SSN	C	9-digit SSN		I	C6 – Must Select One: FEIN, SSN or CBN	MF-002T, Carrier
CBN	//Carrier/CBN	C	9-character Canadian Business Number		I	C6 – Must Select One: FEIN, SSN or CBN	
Name	//Carrier/Name	O	Name of position holder – 50-character max		I		
Seller	//TerminalOperatorSchedule/Seller	O	Parent for MFParticipantType	J	F		
FEIN	//Seller/FEIN	C	9-digit EIN		J	C7 – Must Select One: FEIN, SSN or CBN	MF-002T, Consigner
SSN	//Seller/SSN	C	9-digit SSN		J	C7 – Must Select One: FEIN, SSN or CBN	MF-002T, Consigner
CBN	//Seller/CBN	C	9-character Canadian Business Number		J	C7 – Must Select One: FEIN, SSN or CBN	
Name	//Seller/Name	O	Name of position holder – 50-character max		J		
Purchaser	//TerminalOperatorSchedule/Purchaser	O	Parent for MFParticipantType	K	F		
FEIN	//Purchaser/FEIN	C	9-digit EIN		K	C8 – Must Select One: FEIN, SSN or CBN	MF-002T, Consignee
SSN	//Purchaser/SSN	C	9-digit SSN		K	C8 – Must Select One: FEIN, SSN or CBN	MF-002T, Consignee
CBN	//Purchaser/CBN	C	9-character Canadian Business Number		K	C8 – Must Select One: FEIN, SSN or CBN	
Name	//Purchaser/Name	O	Name of position holder – 50-character max		K		

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Net	//TerminalOperatorSchedule/ Net	O	Integer – 18-digit max		F		MF-002T, Bill of Lading Net Gallons
Gross	//TerminalOperatorSchedule/ Gross	O	Integer – 18-digit max		F		MF-002T, Bill of Lading Gross Gallons
PositionHolder	//TerminalOperatorSchedule/ PositionHolder	O	Parent for MFParticipantType	L	F		
FEIN	//PositionHolder/FEIN	C	9-digit EIN		L	C9 – Must Select One: FEIN, SSN or CBN	MF-002T, Position Holder
SSN	//PositionHolder/SSN	C	9-digit SSN		L	C9 – Must Select One: FEIN, SSN or CBN	MF-002T, Position Holder
CBN	//PositionHolder/CBN	C	9-character Canadian Business Number		L	C9 – Must Select One: FEIN, SSN or CBN	
Name	//PositionHolder/Name	O	Name of position holder – 50-character max		L		
ExchangePositionHolder	//TerminalOperatorSchedule/ ExchangePositionHolder	O	Parent for MFParticipantType	M	F		
FEIN	//ExchangePositionHolder/FEIN	C	9-digit EIN		M	C10 – Must Select One: FEIN, SSN or CBN	MF-002T, FEIN of Filer
SSN	//ExchangePositionHolder/SSN	C	9-digit SSN		M	C10 – Must Select One: FEIN, SSN or CBN	
CBN	//ExchangePositionHolder/CBN	C	9-character Canadian Business Number		M	C10 – Must Select One: FEIN, SSN or CBN	
Name	//ExchangePositionHolder/ Name	O	Name of position holder – 50-character max		M		
TotalQuantityReported	//TerminalOperatorReport/ TotalQuantityReported	O	Integer – 18-digit max				
TaxOrFee	//TerminalOperatorReport/ TaxOrFee	O	Parent for TaxOrFeeCategory, TotalTaxOrFeeDue, Interest, Penalty – repeats as needed	N			
TaxOrFeeCategory	//TaxOrFee/TaxOrFeeCategory	O	String explanation		N		
TotalTaxOrFeeDue	//TaxOrFee/TotalTaxOrFeeDue	O	Integer – 18-digit max		N		
Interest	//TaxOrFee/Interest	O	Integer – 18-digit max		N		

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Penalty	//TaxOrFee/Penalty	O	Integer – 18-digit max		N		
TotalDue	//TerminalOperatorReport/ TotalDue	O	Integer – 18-digit max				

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Table 4 – Supplier Report

Must include a Terminal Operator Report, or a Supplier Report, or a Carrier Report when filing.

Element Name	XPath	Required/ Optional/ Choice	Description	Parent To	Child Of	Choice Group	Wisconsin MF-002 Line Reference
MotorFuelsFiling	MotorFuelsFiling	R	Root element				
SubmissionId	MotorFuelsFiling/SubmissionId	R	SubmissionId – See Table 1				
MotorFuelsHeader	MotorFuelsFiling/ MotorFuelsHeader	R	Parent for Motor Fuels Header – See Above				
SupplierReport	MotorFuelsFiling/ SupplierReport	O	Parent for a Supplier Report – Repeats as needed				
Attribute: reportUOM	MotorFuelsFiling/ SupplierReport/ @reportUOM	R	The report unit of measure – enumerated: Gallons Liters				
Attribute: reportCurrency	MotorFuelsFiling/ SupplierReport/ @reportCurrency	R	The report currency – enumerated: USD CAD				
ReportID	//SupplierReport/ReportID	O	String to identify this report – should be unique				
NoActivity	//SupplierReport/NoActivity	O	Checkbox to indicate no activity – Value is "X"				Section 4 – No Activity box
AmendedReason	//SupplierReport/ AmendedReason	O	Enumerated: Replace Supplemental Corrected				
ReportContact	//SupplierReport/ ReportContact	O	Individual to contact – Parent for typeOfContact, Name, Title, Department, Phone, Fax, and Email	A			
Attribute: typeOfContact	//SupplierReport/ ReportContact/ @typeOfContact	O	Enumerated: General Technical				

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Name	//SupplierReport/ ReportContact/Name	R	Name of contact – example – Al Fabet		A		
Title	//SupplierReport/ ReportContact/Title	O	String up to 35 characters. contact's title		A		
Department	//SupplierReport/ ReportContact/Department	O	String up to 20 characters – department where the contact works		A		
Phone	//SupplierReport/ ReportContact/Phone	O	10-digit phone number		A		
Fax	//SupplierReport/ ReportContact/Fax	O	10-digit fax number		A		
Email	//SupplierReport/ ReportContact/Email	O	Email address		A		
SupplierReportDetails	//SupplierReport/ SupplierReportDetails	O	Parent for MFReportDetailType, ProductCode, Inventory, CreditAmount, CreditQuantity, BadDebtAmount, GeneralAmount, GeneralQuantity – Repeats as needed	B			
ProductCode	//SupplierReportDetails/ ProductCode	R	FTA Uniform Product Code		B		
Inventory	//SupplierReportDetails/ Inventory	O	Parent for inventoryUOM, BeginningInventory, Transfers, PhysicalEndingInventory, GainLoss, CasualtyLoss, ProductTransferDisbursement, and ProductTransferReceipt	C	B		
Attribute: inventoryUOM	//SupplierReportDetails/ @inventoryUOM	O	Enumerated: Net Gross		C		
BeginningInventory	//SupplierReportDetails/ BeginningInventory	O	Integer – 18-digit max		C		
Transfers	//SupplierReportDetails/ Transfers	O	Integer – 18-digit max		C		
PhysicalEndingInventory	//SupplierReportDetails/ PhysicalEndingInventory	O	Integer – 18-digit max		C		
GainLoss	//SupplierReportDetails/ GainLoss	O	Integer – 18-digit max		C		
CasualtyLoss	//SupplierReportDetails/ CasualtyLoss	O	Integer – 18-digit max		C		
ProductTransferDisbursement	//SupplierReportDetails/ ProductTransferDisbursement	O	Integer – 18-digit max		C		
ProductTransferReceipt	//SupplierReportDetails/ ProductTransferReceipt	O	Integer – 18-digit max		C		

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TaxOrFeeAmount	//SupplierReportDetails/ TaxOrFeeAmount	O	Holds the attribute taxOrFeeItem – Repeats as needed Amount type 15 digits with 2 decimal places	D	B		
Attribute: taxOrFeeItem	//SupplierReportDetails/ TaxOrFeeAmount/ @taxOrFeeItem	R	String		D		
CreditAmount	//SupplierReportDetails/ CreditAmount	C	Amount type 15 digits with 2 decimal places – Repeats as needed	E	B	C1 – Optional choice - may select neither or one of the following: CreditAmount or CreditQuantity	
Attribute: creditAmountItem	//SupplierReportDetails/ CreditAmount/ @creditAmountItem	R	String		E		
CreditQuantity	//SupplierReportDetails/ CreditQuantity	C	Integer – 18-digit max – repeats as needed	F	B	C1 – Optional choice - may select neither or one of the following: CreditAmount or CreditQuantity	
Attribute: creditQuantityItem	//SupplierReportDetails/ CreditQuantity/ @creditQuantityItem	R	String		F		
BadDebtAmount	//SupplierReportDetails/ BadDebtAmount	O	Amount type 15 digits with 2 decimal places – Repeats as needed	G	B		
Attribute: badDebtItem	//SupplierReportDetails/ BadDebtAmount/ @badDebtItem	R	String		G		
General Amount	//SupplierReportDetails/ GeneralAmount	C	Amount type 15 digits with 2 decimal places – Repeats as needed	H	B	C2 – Optional choice - may select neither or one of the following: GeneralAmount or GeneralQuantity	
Attribute: generalAmountItem	//SupplierReportDetails/ GeneralAmount/ @generalAmountItem	R	String		H		
General Quantity	//SupplierReportDetails/ GeneralAmount	C	Integer – 18-digit max – repeats as needed	I	B	C2 – Optional choice - may select neither or one of the following:	

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						GeneralAmount or GeneralQuantity	
Attribute: generalQuantityItem	//SupplierReportDetails/ GeneralQuantity/ @generalQuantityItem	R	String		I		
SupplierSchedule	//SupplierReport/ SupplierSchedule	O	Parent for SupplierScheduleType – This is where you will report your invoices – Repeats as needed	J			See MF-002T
ScheduleCode	//SupplierSchedule/ ScheduleCode	R	FTA Uniform schedule code		J		MF-002T, Schedule Type
ProductCode	//SupplierSchedule/ ProductCode	R	FTA Uniform product code		J		MF-002T, Product Type
Mode	//SupplierSchedule/Mode	R	FTA Uniform transaction mode code		J		MF-002T, Transportati on Mode
DocumentNumber	//SupplierSchedule/ DocumentNumber	O	String 20 – Invoice number		J		MF-002T, Bill of Lading Number
ReceivedShippedDate	//SupplierSchedule/ ReceivedShippedDate	O	Date – ccyy-mm-dd format		J		MF-002T, Bill of Lading Date
Origin	//SupplierSchedule/Origin	O	Parent for choice of TerminalCode, FacilityNumber, and Address information	K	J		
TerminalCode	//Origin/TerminalCode	C	IRS registered Terminal Code – 9 characters		K	C3 – Required Choice - must select either a or b: a) Terminal Code, b) state choice C4 – see below - sequence of (AddressLine, (Choice of City or County), (Choice of State, Province, MexicanState, or MFOtherCountryDivision) and Country)	MF-002T, Origin

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FacilityNumber	//Origin/FacilityNumber	C	Unused by Wisconsin		K	C3 – Required Choice - must select either a or b: a) Terminal Code, b) state choice C4	
			Choice group C4 syntax: When choosing this option from choice group C3, <u>must</u> select either State, Province, MexicanState, or MFOtherCountryDivision. May select either AddressLine and/or Country, but these are optional. May also select either City or County, but these are also optional.		K		
AddressLine	//Origin/AddressLine	O	Street address		K	C4 – may include this information – not required.	
City	//Origin/City	C	City name		K	C4 - Optional Choice with County	
County	//Origin/County	C	County		K	C4 - Optional Choice with City	
State	//Origin/State	C	State abbreviation - MFStateOnlyType		K	C4 – Required Choice - must choose either State, Province, MexicanState, or MFOtherCountryDivision	MF-002T, Origin
Province	//Origin/Province	C	Province abbreviation - MFProvinceType		K	C4 – Required Choice - must choose either State, Province, MexicanState, or MFOtherCountryDivision	MF-002T, Origin
MexicanState	//Origin/MexicanState	C	Mexican state abbreviation – MFMexicanStateType		K	C4 – Required Choice - must choose either State, Province, MexicanState, or MFOtherCountryDivision	MF-002T, Origin
MFOtherCountryDivision	//Origin/MFOtherCountryDivision	C	Other country abbreviation 1 to 3 characters		K	C4 – Required Choice - must choose either State, Province, MexicanState, or MFOtherCountryDivision	

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Country	//Origin/Country	O	Country abbreviation – ISOCountryType-		K	C4 – may include this information – not required.	
Destination	//SupplierSchedule/Destination	O	Parent for MFTerminalLocationType	L	J		
TerminalCode	//Destination/TerminalCode	C	IRS registered Terminal Code – 9 characters		L	C5 – Required Choice - must select either a or b: a) Terminal Code, b) state choice C6 – see below - sequence of (AddressLine, (Choice of City or County), (Choice of State, Province, MexicanState, or MFOtherCountryDivision) and Country)	MF-002T, Destination
FacilityNumber	//RevisedDestination/ FacilityNumber	C	Unused by Wisconsin		L	C5 – Required Choice - must select either a or b: a) Terminal Code, b) state choice C6	
			Choice group C6 syntax: When choosing this option from choice group C5, <u>must</u> select either State, Province, MexicanState, or MFOtherCountryDivision. May select either AddressLine and/or Country, but these are optional. May also select either City or County, but these are also optional.		L		
AddressLine	//Destination/AddressLine	O	Street address		L	C6 – may include this information – not required.	
City	//Destination/City	C	City name		L	C6 - Optional Choice with County	
County	//Destination/County	C	County		L	C6 - Optional Choice with City	
State	//Destination/State	C	State abbreviation - MFStateOnlyType		L	C6 – Required Choice - must choose either State, Province, MexicanState, or MFOtherCountryDivision	MF-002T, Destination

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Province	//Destination/Province	C	Province abbreviation - MFProvinceType		L	C6 – Required Choice - must choose either State, Province, MexicanState, or MFOtherCountryDivision	MF-002T, Destination
MexicanState	//Destination/MexicanState	C	Mexican state abbreviation – MFMexicanStateType		L	C6 – Required Choice - must choose either State, Province, MexicanState, or MFOtherCountryDivision	MF-002T, Destination
MFOtherCountryDivision	//Destination/MFOtherCountryDivision	C	Other country abbreviation 1 to 3 characters		L	C6 – Required Choice - must choose either State, Province, MexicanState, or MFOtherCountryDivision	
Country	//Destination/Country	O	Country abbreviation - ISOCountryType		L	C6 – may include this information – not required.	
RevisedDestination	//SupplierSchedule/RevisedDestination	O	Parent for MFTerminalLocationType	M	J		
TerminalCode	//RevisedDestination/TerminalCode	C	IRS registered Terminal Code – 9 characters		M	C7 – Required Choice - must select either a or b: a) Terminal Code, b) state choice C8 – see below - sequence of (AddressLine, (Choice of City or County), (Choice of State, Province, MexicanState, or MFOtherCountryDivision) and Country)	
FacilityNumber	//RevisedDestination/FacilityNumber	C	Unused by Wisconsin		M		

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			Choice group C8 syntax: When choosing this option from choice group C7, <u>must</u> select either State, Province, MexicanState, or MFOtherCountryDivision. May select either AddressLine and/or Country, but these are optional. May also select either City or County, but these are also optional.		M		
AddressLine	//RevisedDestination/ AddressLine	O	Street address		M	C8 – may include this information – not required.	
City	//RevisedDestination/City	C	City name		M	C8 - Optional Choice with County	
County	//RevisedDestination/County	C	County		M	C8 - Optional Choice with City	
State	//RevisedDestination/State	C	State abbreviation - MFStateOnlyType		M	C8 – Required Choice - must choose either State, Province, MexicanState, or MFOtherCountryDivision	
Province	//RevisedDestination/ Province	C	Province abbreviation - MFProvinceType		M	C8 – Required Choice - must choose either State, Province, MexicanState, or MFOtherCountryDivision	
MexicanState	//RevisedDestination/ MexicanState	C	Mexican state abbreviation – MFMexicanStateType		M	C8 – Required Choice - must choose either State, Province, MexicanState, or MFOtherCountryDivision	
MFOtherCountryDivision	//RevisedDestination/ MFOtherCountryDivision	C	Other country abbreviation 1 to 3 characters		M	C8 – Required Choice - must choose either State, Province, MexicanState, or MFOtherCountryDivision	
Country	//RevisedDestination/ Country	O	Country abbreviation - ISOCountryType		M	C8 – may include this information – not required.	
Carrier	//SupplierSchedule/Carrier	O	Parent for MFParticipantType	N	J		

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FEIN	//Carrier/FEIN	C	9-digit EIN		N	C9 – Must Select One: FEIN, SSN or CBN	MF-002T, Carrier
SSN	//Carrier/SSN	C	9-digit SSN		N	C9 – Must Select One: FEIN, SSN or CBN	MF-002T, Carrier
CBN	//Carrier/CBN	C	9-character Canadian Business Number		N	C9 – Must Select One: FEIN, SSN or CBN	
Name	//Carrier/Name	O	Name of position holder – 50-character max		N		
Seller	//SupplierSchedule/Seller	O	Parent for MFParticipantType	P	J		
FEIN	//Seller/FEIN	C	9-digit EIN		P	C10 – Must Select One: FEIN, SSN or CBN	MF-002T, Consigner
SSN	//Seller/SSN	C	9-digit SSN		P	C10 – Must Select One: FEIN, SSN or CBN	MF-002T, Consigner
CBN	//Seller/CBN	C	9-character Canadian Business Number		P	C10 – Must Select One: FEIN, SSN or CBN	
Name	//Seller/Name	O	Name of position holder – 50-character max		P		
Purchaser	//SupplierSchedule/ Purchaser	O	Parent for MFParticipantType	Q	J		
FEIN	//Purchaser/FEIN	C	9-digit EIN		Q	C11 – Must Select One: FEIN, SSN or CBN	MF-002T, Consignee
SSN	//Purchaser/SSN	C	9-digit SSN		Q	C11 – Must Select One: FEIN, SSN or CBN	MF-002T, Consignee
CBN	//Purchaser/CBN	C	9-character Canadian Business Number		Q	C11 – Must Select One: FEIN, SSN or CBN	
Name	//Purchaser/Name	O	Name of position holder – 50-character max		Q		
Net	//SupplierSchedule/Net	O	Integer – 18-digit max		J		MF-002T, Bill of Lading Net Gallons
Gross	//SupplierSchedule/Gross	O	Integer – 18-digit max		J		MF-002T, Bill of Lading Gross Gallons
Billed	//SupplierSchedule/Billed	O	Integer – 18-digit max		J		
DiversionNumber	//SupplierSchedule/ DiversionNumber	O	String 20-character max		J		
Value	//SupplierReport/Value	O	Amount type 15 digits with 2 decimal places		J		
TotalTaxOrFeeAmount	//SupplierReport/ TotalTaxOrFeeAmount	O	Holds the attribute taxOrFeeItem – Amount type 15 digits with 2 decimal places	R			

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Attribute: taxOrFeeItem	//SupplierReport/ TotalTaxOrFeeAmount/ @taxOrFeeItem	0	String		R		
TotalCreditAmount	//SupplierReport/ TotalCreditAmount	0	Amount type 15 digits with 2 decimal places	S			
Attribute: creditAmountItem	//SupplierReport/ TotalCreditAmount/ @creditAmountItem	0	String		S		
TotalBadDebtAmount	//SupplierReport/ TotalbadDebtAmount	0	Holds the attribute badDebtItem – Amount type 15 digits with 2 decimal places	T			
Attribute: badDebtItem	//SupplierReport/ TotalBadDebtAmount/ @badDebtItem	0	String		T		
TotalGeneralAmount	//SupplierReport/ TotalGeneralAmount	0	Amount type 15 digits with 2 decimal places	U			
Attribute: generalAmountItem	//SupplierReport/ TotalGeneralAmount/ @generalAmountItem	0	String		U		
TotalQuantityReporte d	//SupplierReport/ TotalQuantityReported	0	Integer – 18-digit max				
TaxOrFee	//Report/TaxOrFee	0	Parent for TaxOrFeeCategory, TotalTaxOrFeeDue, Interest, Penalty – repeats as needed	V			
TaxOrFeeCategory	//TaxOrFee/ TaxOrFeeCategory	0	String explanation		V		
TotalTaxOrFeeDue	//TaxOrFee/ TotalTaxOrFeeDue	0	Integer – 18-digit max		V		
Interest	//TaxOrFee/ TotalTaxOrFeeDue	0	Integer – 18-digit max		V		
Penalty	//TaxOrFee/ TotalTaxOrFeeDue	0	Integer – 18-digit max		V		
TotalDue	//SupplierReport/TotalDue	0	Integer – 18-digit max				

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Distributor Report - Unused in Wisconsin

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Table 5 – Carrier Report

Must include a Terminal Operator Report, or a Supplier Report, or a Carrier Report when filing.

Element Name	XPath	Required/ Optional/ Choice	Description	Parent To	Child Of	Choice Group	Wisconsin MF-002 Line Reference
MotorFuelsFiling	MotorFuelsFiling	R	Root element				
SubmissionId	MotorFuelsFiling/SubmissionId	R	SubmissionId – See Table 1				
MotorFuelsHeader	MotorFuelsFiling/ MotorFuelsHeader	R	Parent for Motor Fuels Header – See Above				
CarrierReport	MotorFuelsFiling/CarrierReport	O	Parent for a Carrier Report – Single instance				
Attribute: reportUOM	MotorFuelsFiling/ CarrierReport/@reportUOM	R	The report unit of measure – enumerated: Gallons Liters				
Attribute: reportCurrency	MotorFuelsFiling/ CarrierReport/ @reportCurrency	R	The report currency – enumerated: USD CAD				
ReportID	//CarrierReport/ReportID	O	String to identify this report – should be unique				
NoActivity	//CarrierReport/NoActivity	O	Checkbox to indicate no activity – Value is "X"				
AmendedReason	//CarrierReport/ AmendedReason	O	Enumerated: Replace Supplemental Corrected				
ReportContact	//CarrierReport/ReportContact	O	Individual to contact – Parent for typeOfContact, Name, Title, Department, Phone, Fax, and Email	A			
Attribute: typeOfContact	CarrierReport/ReportContact/ @typeOfContact	O	Enumerated: General Technical		A		
Name	//CarrierReport/ReportContact/ Name	R	Name of contact – example – Al Fabet		A		
Title	//CarrierReport/ReportContact/ Title	O	String up to 35 characters. contact's title		A		
Department	//CarrierReport/ReportContact/ Department	O	String up to 20 characters – department where the contact works		A		
Phone	//CarrierReport/ReportContact/ Phone	O	10-digit phone number		A		
Fax	//CarrierReport/ReportContact/ Fax	O	10-digit fax number		A		

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Email	//CarrierReport/ReportContact/Email	O	Email address		A		
CarrierSchedule	//CarrierReport/CarrierSchedule	O	Parent for CarrierScheduleType – This is where you will report your invoices – Repeats as needed	B			See MF-002T
ScheduleCode	//CarrierSchedule/ScheduleCode	R	FTA Uniform schedule code		B		MF-002T, Schedule Type
ProductCode	//CarrierSchedule/ProductCode	R	FTA Uniform product code		B		MF-002T, Product Type
Mode	//CarrierSchedule/Mode	R	FTA Uniform transaction mode code		B		MF-002T, Transportation Mode
DocumentNumber	//CarrierSchedule/DocumentNumber	O	String 20 – Invoice number		B		MF-002T, Bill of Lading Number
ReceivedShippedDate	//CarrierSchedule/ReceivedShippedDate	O	Date – ccyymmdd format		B		MF-002T, Bill of Lading Date
Origin	//CarrierSchedule/Origin	O	Parent for choice of TerminalCode, FacilityNumber, and Address information	C	B		
TerminalCode	//Origin/TerminalCode	C	IRS registered Terminal Code – 9 characters		C	C1 – Required Choice - must select either a or b: a) Terminal Code, b) state choice C2 - Required Choice with sequence of (AddressLine, (Choice of City or County), (Choice of State, Province, MexicanState, or MFOtherCountryDivision) and Country)	MF-002T, Origin
FacilityNumber	//Origin/FacilityNumber	C	Unused by Wisconsin		C	C1 – Required Choice - must select either a or	

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						b: a) Terminal Code, b) state choice C2	
			Choice group C2 syntax: When choosing this option from choice group C1, <u>must</u> select either State, Province, MexicanState, or MFOtherCountryDivision. May select either AddressLine and/or Country, but these are optional. May also select either City or County, but these are also optional.		C		
AddressLine	//Origin/AddressLine	O	Street address		C	C2 – may include this information – not required.	
City	//Origin/City	C	City name		C	C2 - Optional Choice with County	
County	//Origin/County	C	County		C	C2 - Optional Choice with City	
State	//Origin/State	C	State abbreviation - MFStateOnlyType		C	C2 – Required Choice - must choose either State, Province, MexicanState, or MFOtherCountryDivision	MF-002T, Origin
Province	//Origin/Province	C	Province abbreviation - MFProvinceType		C	C2 – Required Choice - must choose either State, Province, MexicanState, or MFOtherCountryDivision	MF-002T, Origin
MexicanState	//Origin/MexicanState	C	Mexican state abbreviation – MFMexicanStateType		C	C2 – Required Choice - must choose either State, Province, MexicanState, or MFOtherCountryDivision	MF-002T, Origin
MFOtherCountryDivision	//Origin/MFOtherCountryDivision	C	Other country abbreviation 1 to 3 characters		C	C2 – Required Choice - must choose either State, Province, MexicanState, or MFOtherCountryDivision	
Country	//Origin/Country	O	Country abbreviation - ISOCountryType		C	C2 – may include this information – not required.	

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Destination	//CarrierSchedule/Destination	O	Parent for MFTerminalLocationType	D	B		
TerminalCode	//Destination/TerminalCode	C	IRS registered Terminal Code – 9 characters		D	C3 – Required Choice - must select either a or b: a) Terminal Code, b) state choice C4 - Required Choice with sequence of (AddressLine, (Choice of City or County), (Choice of State, Province, MexicanState, or MFOtherCountryDivision) and Country)	MF-002T, Destination
FacilityNumber	//Destination/FacilityNumber	C	Unused by Wisconsin		D	C3 – Required Choice - must select either a or b: a) Terminal Code, b) state choice C4	
			Choice group C4 syntax: When choosing this option from choice group C3, <u>must</u> select either State, Province, MexicanState, or MFOtherCountryDivision. May select either AddressLine and/or Country, but these are optional. May also select either City or County, but these are also optional.		D		
AddressLine	//Destination/AddressLine	O	Street address		D	C4 – may include this information – not required.	
City	//Destination/City	C	City name		D	C4 - Optional Choice with County	
County	//Destination/County	C	County		D	C4 - Optional Choice with City	
State	//Destination/State	C	State abbreviation - MFStateOnlyType		D	C4 – Required Choice - must choose either State, Province, MexicanState, or MFOtherCountryDivision	MF-002T, Destination
Province	//Destination/Province	C	Province abbreviation - MFProvinceType		D	C4 – Required Choice - must choose either State, Province,	MF-002T, Destination

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						MexicanState, or MFOtherCountryDivision	
MexicanState	//Destination/MexicanState	C	Mexican state abbreviation – MFMexicanStateType		D	C4 – Required Choice - must choose either State, Province, MexicanState, or MFOtherCountryDivision	MF-002T, Destination
MFOtherCountryDivision	//Destination/MFOtherCountryDivision	C	Other country abbreviation 1 to 3 characters		D	C4 – Required Choice - must choose either State, Province, MexicanState, or MFOtherCountryDivision	
Country	//Destination/Country	O	Country abbreviation - ISOCountryType		D	C4 – may include this information – not required.	
RevisedDestination	//CarrierSchedule/RevisedDestination	O	Parent for MFTerminalLocationType	E	B		
TerminalCode	//RevisedDestination/TerminalCode	C	IRS registered Terminal Code – 9 characters		E	C5 – Required Choice - must select either a or b: a) Terminal Code, b) state choice C6 - Required Choice with sequence of (AddressLine, (Choice of City or County), (Choice of State, Province, MexicanState, or MFOtherCountryDivision) and Country)	
FacilityNumber	//RevisedDestination/FacilityNumber	C	Unused by Wisconsin		E	C5 – Required Choice - must select either a or b: a) Terminal Code, b) state choice C6	
			Choice group C6 syntax: When choosing this option from choice group C5, <u>must</u> select either State, Province, MexicanState, or MFOtherCountryDivision. May select either AddressLine and/or Country, but these are		E		

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			optional. May also select either City or County, but these are also optional.				
AddressLine	//RevisedDestination/AddressLine	O	Street address		E	C6 – may include this information – not required.	
City	//RevisedDestination/City	C	City name		E	C6 - Optional Choice with County	
County	//RevisedDestination/County	C	County		E	C6 - Optional Choice with City	
State	//RevisedDestination/State	C	State abbreviation - MFStateOnlyType		E	C6 – Required Choice - must choose either State, Province, MexicanState, or MFOtherCountryDivision	
Province	//RevisedDestination/Province	C	Province abbreviation - MFProvinceType		E	C6 – Required Choice - must choose either State, Province, MexicanState, or MFOtherCountryDivision	
MexicanState	//RevisedDestination/MexicanState	C	Mexican state abbreviation – MFMexicanStateType		E	C6 – Required Choice - must choose either State, Province, MexicanState, or MFOtherCountryDivision	
MFOtherCountryDivision	//RevisedDestination/MFOtherCountryDivision	C	Other country abbreviation 1 to 3 characters		E	C6 – Required Choice - must choose either State, Province, MexicanState, or MFOtherCountryDivision	
Country	//RevisedDestination/Country	O	Country abbreviation - ISOCountryType		E	C6 – may include this information – not required.	
Seller	//CarrierSchedule/Seller	O	Parent for MFParticipantType	F	B		
FEIN	//Seller/FEIN	C	9-digit EIN		F	C7 – Must Select One: FEIN, SSN or CBN	MF-002T, Consigner
SSN	//Seller/SSN	C	9-digit SSN		F	C7 – Must Select One: FEIN, SSN or CBN	MF-002T, Consigner

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CBN	//Seller/CBN	C	9-character Canadian Business Number		F	C7 – Must Select One: FEIN, SSN or CBN	
Name	//Seller/Name	O	Name of seller – 50-character max		F		
DeliveredTo	//CarrierSchedule/DeliveredTo	O	Parent for MFParticipantType	G	B		
FEIN	//DeliveredTo/FEIN	C	9-digit EIN		G	C8 – Must Select One: FEIN, SSN or CBN	MF-002T, Consignee
SSN	//DeliveredTo/SSN	C	9-digit SSN		G	C8 – Must Select One: FEIN, SSN or CBN	MF-002T, Consignee
CBN	//DeliveredTo/CBN	C	9-character Canadian Business Number		G	C8 – Must Select One: FEIN, SSN or CBN	
Name	//DeliveredTo/Name	O	Name of who took delivery – 50-character max		G		
Address	//DeliveredTo/Address	O	Parent for MFAddressType which includes a choice of USAddress, CanadianAddress, Mexican Address, or OtherForeignAddress	H	G		
Attribute: typeOfAddress	//Address/typeOfAddress	O	Attribute – Enumeration: Business Mailing Both		H		
Attribute: changeOfAddress	//Address/changeOfAddress	O	Attribute indicate a change of address with a value of "X"		H		
USAddress	//Address/USAddress	C	Filer address – Parent of USAddress	I	H	C9 – Must select One: USAddress, CanadianAddress, MexicanAddress, or OtherForeignAddress	
AddressLine1	//Address/USAddress/ AddressLine1	R	StreetAddressType - Used for a street address.		I		
AddressLine2	//Address /USAddress/AddressLine2	O	StreetAddressType - Used for a street address.		I		
City	//Address/USAddress/City	O	CityType - Used for a city.		I		
County	//Address/USAddress/County	O	County name		I		
State	//Address/USAddress/State	R	StateType - State abbreviations, a.k.a. state codes		I		
ZIPCode	//Address/USAddress/ZIPCode	R	ZIPCodeType - ZIP Code - 5 digits plus optional 4 or 7 digits		I		
InCareOfName	//Address/USAddress/ InCareOfName	O	In care of name		I		
CanadianAddress	//Address/CanadianAddress	C	Filer address – Parent for Canadian Address	J	H	C9 – Must select One: USAddress,	

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						CanadianAddress, MexicanAddress, or OtherForeignAddress	
AddressLine1	//Address/CanadianAddress /AddressLine1	R	StreetAddressType - Used for a street address.		J		
AddressLine2	//Address/CanadianAddress /AddressLine2	O	StreetAddressType - Used for a street address.		J		
City	//Address/CanadianAddress /City	R	CityType - Used for a city.		J		
Province	//Address/CanadianAddress /Province	R	Province abbreviation – enumerated in MFProvinceType		J		
PostalCode	//Address/CanadianAddress /PostalCode	R	Postal code – 6 digits		J		
InCareOfName	//Address/CanadianAddress /InCareOfName	O	In care of name		J		
MexicanAddress	//Address/MexicanAddress	C	Mexican address – parent for Mexican Address	K	H	C9 – Must select One: USAddress, CanadianAddress, MexicanAddress, or OtherForeignAddress	
AddressLine1	//Address/MexicanAddress /AddressLine1	R	StreetAddressType - Used for a street address.		K		
AddressLine2	//Address/MexicanAddress /AddressLine2	O	StreetAddressType - Used for a street address.		K		
City	//Address/MexicanAddress /City	R	CityType - Used for a city.		K		
MexicanState	//Address/MexicanAddress /MexicanState	R	Mexican State abbreviation – enumerated in MFMexicanStateType		K		
MexicanPostalCode	//Address/MexicanAddress /MexicanPostalCode	R	Postal code – 5 digits		K		
InCareOfName	//Address/MexicanAddress /InCareOfName	O	In care of name		K		
OtherForeignAddress	//Address/ OtherForeignAddress	C	Other address – parent for address from other countries	L	H	C9 – Must select One: USAddress, CanadianAddress, MexicanAddress, or OtherForeignAddress	

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AddressLine1	//Address/ OtherForeignAddress /AddressLine1	R	StreetAddressType - Used for a street address.		L		
AddressLine2	//Address/ OtherForeignAddress /AddressLine2	O	StreetAddressType - Used for a street address.		L		
City	//Address/ OtherForeignAddress /City	O	CityType - Used for a city.		L		
ProvinceOrState	//Address/ OtherForeignAddress /ProvinceOrState	O	String 50 type		L		
Country	//Address/ OtherForeignAddress/Country	R	ISO country abbreviation Enumerated in ISOCountryType		L		
OtherPostalCode	//Address/ OtherForeignAddress /OtherPostalCode	O	Postal code – up to 20 characters		L		
InCareOfName	//Address/ OtherForeignAddress /InCareOfName	O	In care of name		L		
Net	//CarrierSchedule/Net	O	Integer – 18-digit max		B		MF-002T, Bill of Lading Net Gallons
Gross	//CarrierSchedule/Gross	O	Integer – 18-digit max		B		MF-002T, Bill of Lading Gross Gallons
DiversionNumber	//SupplierSchedule/ DiversionNumber	O	String 20-character max		B		
Consignor	//SupplierSchedule/Consignor	O	Parent for MFParticipantType	M	B		
FEIN	//Consignor/FEIN	C	9-digit EIN		M	C10 – Must Select One: FEIN, SSN or CBN	MF-002T, Consigner
SSN	//Consignor/SSN	C	9-digit SSN		M	C10 – Must Select One: FEIN, SSN or CBN	MF-002T, Consigner
CBN	//Consignor/CBN	C	9-character Canadian Business Number		M	C10 – Must Select One: FEIN, SSN or CBN	
Name	//Consignor/Name	O	Name of consignor – 50-character max		M		

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TotalQuantityTransported	//CarrierReport/ TotalQuantityTransported	O	Integer – 18-digit max				
Penalty	//CarrierReport/Penalty	O	Amount type 15 digits with 2 decimal places				
TotalDue	//CarrierReport/TotalDue	O	Amount type 15 digits with 2 decimal places				

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Retailer Report – Unused in Wisconsin

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Table 6 – Financial Transaction

Allows for making a payment from checking or savings via ACH. Payments can be warehoused and scheduled as needed. Wisconsin requires payment from a US bank.

Element Name	XPath	Required/ Optional/ Choice	Description	Parent To	Child Of	Choice Group
FinancialTransaction	MotorFuelsFiling/ FinancialTransaction	O	Parent for a financial transaction.			
StatePayment	//FinancialTransaction/ StatePayment	C	Parent for a payment – repeats as needed	A		C1 – May Select None or One: StatePayment, RefundDirectDeposit, ACHCreditInfo
Checking	//StatePayment/Checking	C	CheckboxType – Value is "X" if payment is from a checking account		A	C2 – Must Select One: Checking or Savings
Savings	//StatePayment/Savings	C	CheckboxType – Value is "X" if payment is from a savings account		A	C2 – Must Select One: Checking or Savings
RoutingTransitNumber	//StatePayment/ RoutingTransitNumber	R	RoutingTransitNumberType – Value of RTN		A	
BankAccountNumber	//StatePayment/ BankAccountNumber	R	BankAccountNumberType – Value of bank account number		A	
PaymentAmount	//StatePayment/ PaymentAmount	R	ACHAmountType – Decimal 10 with 2 decimal places.		A	
IdentificationNumber	//StatePayment/ IdentificationNumber	O	ACHIdentifierType – Used to identify the payment		A	

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AccountHolderName	//StatePayment/ AccountHolderName	O	ACHNameType – Name of account holder		A	
AccountHolderType	//StatePayment/ AccountHolderType	O	BankAccountHolderType – Value is 1 for Business, 2 for Personal		A	
RequestedPaymentDate	//StatePayment/ RequestedPaymentDate	O	DateType – Format is ccy-mm-dd – Date for payment to be made – can be warehoused		A	
AddendaRecord	//StatePayment/ AddendaRecord	O	Parent for AddendaRecordType – Repeats as needed	B	A	
TaxpayerIdentification	//AddendaRecord/ TaxpayerIdentification	O	ACHIdentifierType – Taxpayer id if appropriate		B	
TaxTypeCode	//AddendaRecord/ TaxTypeCode	O	Parent for FTACode and StateTaxTypeCode	C	B	
FTACode	//TaxTypeCode/ FTACode	R	3 digits – FTA Code		C	
StateTaxTypeCode	//TaxTypeCode/ StateTaxTypeCode	R	5 digits - Tax Type		C	
TaxPeriodEndDate	//AddendaRecord/ TaxPeriodEndDate	O	DateType – Format is ccy-mm-dd – Tax period end date		B	
TXPAmount	//AddendaRecord/ TXPAmount	O	Parent for SubAmountType and SubAmount – Repeats up to three times	D	B	
SubAmountType	//TXPAmount/ SubAmountType	R	TXP Sub amount		D	
SubAmount	//TXPAmount/ SubAmount	R	ACHAmountType – Amount		D	
NotIATTransaction	//StatePayment/ NotIATTransaction	R	CheckboxType – Value is "X" indicating the payment is not an international transaction. NOTE: Wisconsin only allows payments using the NOTIATTransaction option.		A	
RefundDirectDeposit	//FinancialTransaction/ RefundDirectDeposit	C	Parent for StateDirectDepositType for the direct deposit of a refund – repeats up to 3 times.	E		C1 – May Select None or One: StatePayment, RefundDirectDeposit, ACHCreditInfo
TelephoneNumber	//RefundDirectDeposit/ TelephoneNumber	O	PhoneNumberType – Telephone number, is used		E	
RoutingTransitNumber	//RefundDirectDeposit/ RoutingTransitNumber	R	RoutingTransitNumberType – Value of RTN		E	
BankAccountNumber	//RefundDirectDeposit/ BankAccountNumber	R	BankAccountNumberType – Value of bank account number		E	
Amount	//RefundDirectDeposit/ Amount	R	ACHAmountType – Decimal 10 with 2 decimal places.		E	
Checking	//RefundDirectDeposit/ Checking	C	CheckboxType – Value is "X" if payment is from a checking account		E	C3 – Must Select One: Checking or Savings

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Savings	//RefundDirectDeposit/Savings	C	CheckboxType – Value is "X" if payment is from a savings account		E	C3 – Must Select One: Checking or Savings
NotIATTransaction	//RefundDirectDeposit/NotIATTransaction	R	CheckboxType – Value is "X" indicating the refund payment is not an international transaction. NOTE: Wisconsin only allows payments using the NOTIATTransaction option.			
ACHCreditInfo	//FinancialTransaction/ACHCreditInfo	C	Parent for ACHCreditDetailType – for ACH payment or credit	F		C1 – May Select None or One: StatePayment, RefundDirectDeposit, ACHCreditInfo
PaymentAmount	//ACHCreditInfo/PaymentAmount	R	ACHAmountType – Decimal 10 with 2 decimal places.		F	
IdentificationNumber	//ACHCreditInfo/IdentificationNumber	O	ACHIdentifierType – Taxpayer id if appropriate		F	
RequestedPaymentDate	//ACHCreditInfo/RequestedPaymentDate	O	DateType- Format is ccy-mm-dd – Date payment is to be made		F	
AddendaRecord	//ACHCreditInfo/AddendaRecord	O	Parent for AddendaRecordType – Repeats as needed	G	F	
TaxpayerIdentification	//AddendaRecord/TaxpayerIdentification	O	ACHIdentifierType – Taxpayer id if appropriate		G	
TaxTypeCode	//AddendaRecord/TaxTypeCode	O	Parent for FTACode and StateTaxTypeCode	H	G	
FTACode	//TaxTypeCode/FTACode	R	3 digits – FTA Code		H	
StateTaxTypeCode	//TaxTypeCode/StateTaxTypeCode	R	5 digits - Tax Type		H	
TaxPeriodEndDate	//AddendaRecord/TaxPeriodEndDate	O	DateType – Format is ccy-mm-dd – Tax period end date		G	
TXPAmount	//AddendaRecord/TXPAmount	O	Parent for SubAmountType and SubAmount – Repeats up to three times	I	G	
SubAmountType	//TXPAmount/SubAmountType	R	TXP Sub amount		I	
SubAmount	//TXPAmount/SubAmount	R	ACHAmountType – Amount		I	
NotIATTransaction	//EstimatedPayments/NotIATTransaction	R	CheckboxType – Value is "X" indicating the payment is not an international transaction. NOTE: Wisconsin only allows payments using the NOTIATTransaction option.		F	
DepositTo529Account	//FinancialTransaction/Depositto529Account	O	Unused by Wisconsin			
EstimatedPayments	//FinancialTransaction/EstimatedPayments	O	Parent for ACHEntityDetailType – Repeats up to 4 times	J		

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Checking	//EstimatedPayments/Checking	C	CheckboxType – Value is "X" if payment is from a checking account		J	C4 – Must Select One: Checking or Savings
Savings	//EstimatedPayments/Savings	C	CheckboxType – Value is "X" if payment is from a savings account		J	C4 – Must Select One: Checking or Savings
RoutingTransitNumber	//EstimatedPayments/RoutingTransitNumber	R	RoutingTransitNumberType – Value of RTN		J	
BankAccountNumber	//EstimatedPayments/BankAccountNumber	R	BankAccountNumberType – Value of bank account number		J	
PaymentAmount	//EstimatedPayments/PaymentAmount	R	ACHAmountType – Decimal 10 with 2 decimal places.		J	
IdentificationNumber	//EstimatedPayments/IdentificationNumber	O	ACHIdentifierType – Used to identify the payment		J	
AccountHolderName	//EstimatedPayments/AccountHolderName	O	ACHNameType – Name of account holder		J	
AccountHolderType	//EstimatedPayments/AccountHolderType	O	BankAccountHolderType – Values are 1 for Business, 2 for Personal		J	
RequestedPaymentDate	//EstimatedPayments/RequestedPaymentDate	O	DateType – Format is ccyy-mm-dd – Date for payment to be made – can be warehoused		J	
AddendaRecord	//EstimatedPayments/AddendaRecord	O	Parent for AddendaRecordType – Repeats as needed	K	J	
TaxpayerIdentification	//AddendaRecord/TaxpayerIdentification	O	ACHIdentifierType – Taxpayer id if appropriate		K	
TaxTypeCode	//AddendaRecord/TaxTypeCode	O	Parent for FTACode and StateTaxTypeCode	L	K	
FTACode	//TaxTypeCode/FTACode	R	3 digits – FTA Code		L	
StateTaxTypeCode	//TaxTypeCode/StateTaxTypeCode	R	5 digits - Tax Type –		L	
TaxPeriodEndDate	//AddendaRecord/TaxPeriodEndDate	O	DateType – Format is ccyy-mm-dd – Tax period end date		K	
TXPAmount	//AddendaRecord/TXPAmount	O	Parent for SubAmountType and SubAmount – Repeats up to three times	M	K	
SubAmountType	//TXPAmount/SubAmountType	R	TXP Sub amount		M	
SubAmount	//TXPAmount/SubAmount	R	ACHAmountType – Amount		M	
NotIATTransaction	//EstimatedPayments/NotIATTransaction	R	CheckboxType – Value is "X" indicating the payment is not an international transaction. NOTE: Wisconsin only allows payments using the NOTIATTransaction option.		J	

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