

Appendix G - Interface Requirements

ID	System 1	System 2	Reason(s) for Interface	Communication Type	Initiating System	Initiation Type	Initiation Description	Frequency	Implementation	Transmission Type	Message Payload Type	Message Payload Example Available?	Notes	Reference(s)
11	CVIEW	Aspen	Enforcement officers use FMCSA's Query Central tool to pre-populate Aspen before conducting an inspection.	Unidirectional	System 1	On Demand by User	Enforcement officer want to be an Aspen inspection.	On demand.	File Transfer	Secure FTP (SFTP)	Unknown	No		N/A
12	CVIEW	FTS	Current vendor for CVIEW and FTS implements this interface via database tables and internal routines to synchronize data between CVIEW and FTS.	Unknown	Unknown	Unknown	N/A	N/A	Unknown	Unknown	Unknown	No		
13	CVIEW	IRP	Current vendor for CVIEW and IRP implements this interface via database tables and internal routines to synchronize data between CVIEW and IRP.	Unknown	Unknown	Unknown	N/A	N/A	Unknown	Unknown	Unknown	No		
14	CVIEW	Permits	Current vendor for CVIEW and Permits implements this interface via database tables and internal routines to synchronize data between CVIEW and Permits.	Unknown	Unknown	Unknown	N/A	N/A	Unknown	Unknown	Unknown	No		
15	CVIEW	SAFER FTP Server	This interface takes data from the CVIEW system and passes it to the SAFER FTP Server. There are numerous transaction types. This is for: Licensing and Insurance Output Transaction.	Unidirectional	System 2	Unknown	Unknown.	Unknown.	File Transfer	Secure FTP (SFTP)	XML within ZIP file (password protected)	No	This file is a ZIP file containing XML payload. Transaction type (and file name) is referred to as T0032. Note: While the current supported implementation is SFTP, MDT prefers that selected vendor use the SAFER web service facility.	1) Schema: globalTypes.xsd 2) Schema: T0032v1.xsd 3) SAFER 9 2 ICD.DOC
16	CVIEW	SAFER FTP Server	This interface takes data from the CVIEW system and passes it to the SAFER FTP Server. There are numerous transaction types. This is for: MCMIS Safety and Census Output Transaction.	Unidirectional	System 1	Unknown	Unknown.	Unknown.	File Transfer	Secure FTP (SFTP)	XML within ZIP file (password protected)	No	This file is a ZIP file containing XML payload. Transaction type (and file name) is referred to as T0031. Note: While the current supported implementation is SFTP, MDT prefers that selected vendor use the SAFER web service facility.	1) Schema: globalTypes.xsd 2) Schema: T0031v3.xsd 3) SAFER 9 2 ICD.DOC
17	CVIEW	SAFER FTP Server	This interface takes data from the CVIEW system and passes it to the SAFER FTP Server. There are numerous transaction types. This is for: Vehicle Inspection Summary Output Transaction.	Unidirectional	System 1	Unknown	Unknown.	Unknown.	File Transfer	Secure FTP (SFTP)	XML within ZIP file (password protected)	No	This file is a ZIP file containing XML payload. Transaction type (and file name) is referred to as T0030. Note: While the current supported implementation is SFTP, MDT prefers that selected vendor use the SAFER web service facility.	1) Schema: globalTypes.xsd 2) Schema: T0030v1.xsd 3) SAFER 9 2 ICD.DOC
18	CVIEW	SAFER FTP Server	This interface takes data from the FTS system and passes it to the SAFER FTP Server. There are numerous transaction types. This is for: IFTA Input Transaction (creating/updating/deleting an IFTA license).	Unidirectional	System 1	Unknown	Unknown.	Unknown.	File Transfer	Secure FTP (SFTP)	XML within ZIP file (password protected)	No	This file is a ZIP file containing XML payload. Transaction type (and file name) is referred to as T0019. Note: While the current supported implementation is SFTP, MDT prefers that selected vendor use the SAFER web service facility.	1) Schema: globalTypes.xsd 2) Schema: T0019v1.xsd 3) SAFER 9 2 ICD.DOC
19	CVIEW	SAFER FTP Server	This interface takes data from the FTS system and passes it to the SAFER FTP Server. There are numerous transaction types. This is for: IFTA Output Transaction (creating/updating/deleting an IFTA license).	Unidirectional	System 1	Unknown	Unknown.	Unknown.	File Transfer	Secure FTP (SFTP)	XML within ZIP file (password protected)	No	This file is a ZIP file containing XML payload. Transaction type (and file name) is referred to as T0025. Note: While the current supported implementation is SFTP, MDT prefers that selected vendor use the SAFER web service facility.	1) Schema: globalTypes.xsd 2) Schema: T0025v1.xsd 3) SAFER 9 2 ICD.DOC
110	CVIEW	SAFER FTP Server	This interface takes data from the IRP system and passes it to the SAFER FTP Server. There are numerous transaction types. This is for: IRP Account Input (creating/updating/deleting an IRP registration).	Unidirectional	System 1	Unknown	Unknown.	Unknown.	File Transfer	Secure FTP (SFTP)	XML within ZIP file (password protected)	No	This file is a ZIP file containing XML payload. Transaction type (and file name) is referred to as T0020. Note: While the current supported implementation is SFTP, MDT prefers that selected vendor use the SAFER web service facility.	1) Schema: globalTypes.xsd 2) Schema: T0020v1.xsd 3) SAFER 9 2 ICD.DOC
111	CVIEW	SAFER FTP Server	This interface takes data from the IRP system and passes it to the SAFER FTP Server. There are numerous transaction types. This is for: IRP Account Output.	Unidirectional	System 1	Unknown	Unknown.	Unknown.	File Transfer	Secure FTP (SFTP)	XML within ZIP file (password protected)	No	This file is a ZIP file containing XML payload. Transaction type (and file name) is referred to as T0026. Note: While the current supported implementation is SFTP, MDT prefers that selected vendor use the SAFER web service facility.	1) Schema: globalTypes.xsd 2) Schema: T0026v1.xsd 3) SAFER 9 2 ICD.DOC

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I12	CVIEW	SAFER FTP Server	This interface takes data from the IRP system and passes it to the SAFER FTP Server. There are numerous transaction types. This is for: IRP Fleet Input Transaction (creating/updating/deleting an IRP Fleet).	Unidirectional	System 1	Unknown	Unknown.	Unknown.	File Transfer	Secure FTP (SFTP)	XML within ZIP file (password protected)	No	This file is a ZIP file containing XML payload. Transaction type (and file name) is referred to as T0021. Note: While the current supported implementation is SFTP, MDT prefers that selected vendor use the SAFER web service facility.	1) Schema: globalTypes.xsd 2) Schema: T0021v1.xsd 3) SAFER 9 2 ICD.DOC
I13	CVIEW	SAFER FTP Server	This interface takes data from the IRP system and passes it to the SAFER FTP Server. There are numerous transaction types. This is for: IRP Fleet Output Transaction	Unidirectional	System 1	Unknown	Unknown.	Unknown.	File Transfer	Secure FTP (SFTP)	XML within ZIP file (password protected)	No	This file is a ZIP file containing XML payload. Transaction type (and file name) is referred to as T0027. Note: While the current supported implementation is SFTP, MDT prefers that selected vendor use the SAFER web service facility.	1) Schema: globalTypes.xsd 2) Schema: T0027v1.xsd 3) SAFER 9 2 ICD.DOC
I14	CVIEW	SAFER FTP Server	This interface takes data from the IRP system and passes it to the SAFER FTP Server. There are numerous transaction types. This is for: IRP Registration (Cab Card) Input Transaction (creating/updating/deleting an IRP vehicle registration).	Unidirectional	System 1	Unknown	Unknown.	Unknown.	File Transfer	Secure FTP (SFTP)	XML within ZIP file (password protected)	No	This file is a ZIP file containing XML payload. Transaction type (and file name) is referred to as T0022. Note: While the current supported implementation is SFTP, MDT prefers that selected vendor use the SAFER web service facility.	1) Schema: globalTypes.xsd 2) Schema: T0022v3.xsd 3) SAFER 9 2 ICD.DOC
I15	CVIEW	SAFER FTP Server	This interface takes data from the IRP system and passes it to the SAFER FTP Server. There are numerous transaction types. This is for: IRP Registration (Cab Card) Output Transaction.	Unidirectional	System 1	Unknown	Unknown.	Unknown.	File Transfer	Secure FTP (SFTP)	XML within ZIP file (password protected)	No	This file is a ZIP file containing XML payload. Transaction type (and file name) is referred to as T0028. Note: While the current supported implementation is SFTP, MDT prefers that selected vendor use the SAFER web service facility.	1) Schema: globalTypes.xsd 2) Schema: T0028v3.xsd 3) SAFER 9 2 ICD.DOC
I16	CVIEW	SAFER FTP Server	This interface takes data from the IRP system and passes it to the SAFER FTP Server. There are numerous transaction types. This is for: Vehicle Transponder ID.	Unidirectional	System 1	Unknown	Unknown.	Unknown.	File Transfer	Secure FTP (SFTP)	XML within ZIP file (password protected)	No	This file is a ZIP file containing XML payload. Transaction type (and file name) is referred to as T0024. Note: While the current supported implementation is SFTP, MDT prefers that selected vendor use the SAFER web service facility.	1) Schema: globalTypes.xsd 2) Schema: T0024v2.xsd 3) SAFER 9 2 ICD.DOC
I17	CVIEW	SAFER FTP Server	To download the current records for UCR registrants for use in CVIEW.	Unidirectional	System 1	Timer Event	Batch download	Once per day.	File Transfer	Secure FTP (SFTP)	Unknown	No	Three files are downloaded: 1) SAFER Carrier - USDOT (DOT) Baseline File 2) SAFER Carrier - Motor Carrier (MC) Baseline File 3) SAFER Carrier - Freight Forwarder (FF) Baseline File	UCR ASSUMPTIONS_10_02_2012 (2).pdf
I18	CVIEW	SAFER Web Services Server	This is a web service interface that is used to query in real time a vehicle's status from the SAFER database.	Bi-directional (dialogue)	System 1	On Demand by User	Unknown		Web Service	HTTPS	XML as SOAP message	No	It is unknown if current vendor implements this in its CVIEW system.	
I19	FTS	AP	This interface is identical to the IRP/AP interface except it processes refunds to jurisdictions who are not participants in the IFTA Clearinghouse. Interface also processes refunds of credits to the IFTA carriers. Jurisdictions currently not participating are: Alberta, British Columbia, Manitoba, Newfoundland, Nova Scotia, Oklahoma and Quebec.	Unidirectional	System 1	Timer Event	Each work day, 5:00 PM, IFTA creates flat file.	Once per day.	File Transfer	Secure FTP (SFTP)	Fixed Length Text File	Yes		1) AP_SYSTEM_&_INTERFACE_OVERVIEW.DOCX 2) AP-TABLE-STRUCTURE-RS-TS-DOCUMENTS.PDF 3) E-MAIL-REQUEST-AP-INFO.PDF 4) APK00005-ACS-TS-FILE-PROCESSING.PDF
I20	FTS	IFTA Audit App	IFTA Audit App is an in-house built software application that supports MDT's Internal Audit Unit when they are conducting audits of motor carriers (among others). Audit information would be pulled for the audit period and automatically entered into the IFTA Audit App.	N/A	Unknown	Unknown	TBD	TBD	TBD	TBD	TBD	No	Not currently implemented (new requirement).	
I21	FTS	IFTA Clearinghouse	To periodically upload IFTA transactions (transmittals).	Unidirectional	System 1	Timer Event		Daily after midnight for prior days business Tuesday through Saturday	File Transfer	SFTP	Fixed Length Text File	Yes	RECAP flat file.	
I22	FTS	IFTA Clearinghouse	To upload IFTA decal information (i.e. base jurisdiction taxpayer id first decal number, last decal number, year of decal). These are decals that have been sold/provisioned by MDT.	Unidirectional	System 1	Timer Event	After midnight for prior day's business: Tuesday through Saturday.	Once per day.	File Transfer	Secure FTP (SFTP)	Delimited Text File (CSV or other)	No		DECALS_FINAL.XLS
I23	FTS	IFTA Clearinghouse	To upload IFTA demographic information (i.e. licensee name, address, license number, status, etc.).	Unidirectional	System 1	Timer Event	After midnight for prior day's business: Tuesday through Saturday.	Once per day.	File Transfer	Secure FTP (SFTP)	Delimited Text File (CSV or other)	No		DEMOGRAPHIC_DEFINITIONS_FINAL.XLS
I24	FTS	IFTA Clearinghouse	To upload IFTA tax summary information (i.e. base jurisdiction, trav jurisdiction, trans period, trans year, trans number, total distance, taxable distance, taxable fuel, tax paid fuel, net tax fuel, tax due, interest due, total due, transaction amount, balance due, conversion rate, conversion date, conversion total due, conversion cost, net amount transmitted).	Unidirectional	System 1	Timer Event	After midnight for prior day's business: Tuesday through Saturday.	Once per day.	File Transfer	Secure FTP (SFTP)	Delimited Text File (CSV or other)	No		SUMMARY_TOTALS_FINAL.XLS
I25	FTS	IFTA Clearinghouse	To upload IFTA tax transmittal information (i.e. licensee name, address, license number, status, etc.).	Unidirectional	System 1	Timer Event	After midnight for prior day's business: Tuesday through Saturday.	Once per day.	File Transfer	Secure FTP (SFTP)	Delimited Text File (CSV or other)	No		TRANSMITTAL_DEFINITIONS_4-21-09.XLS

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126	FTS	IFTA, Inc.	To download the current and published fuel tax rates for each jurisdiction for the current taxable quarter. Each jurisdiction's rates are published for each application fuel type, both in US gallon rate and Canadian liter rate.	Unidirectional	System 1	On Demand by User	When new rates are published.	N/A	File Transfer	Secure FTP (SFTP)	Delimited Text File (CSV or other)	Yes	There are numerous download methods to access this data (.TXT, .RTF, .XLS, .CSV, .XML). The current FTS vendor uses .CSV. Additional processing of this data is necessary to load the rates into FTS.	2Q2013.csv
127	FTS	Montana Interactive	Montana Interactive is the State's preferred payment processor, which has a long-term contract with the State for doing so.	Unidirectional	System 1	On Demand by User	As required when payment must be tendered.	N/A	Page Demand	HTTPS	XML within SOAP message	No	Montana Interactive is a wholly owned business unit of NIC (http://www.egov.com/Partners/Pages/Montana.aspx).	
128	FTS	SABHRS	This interface uploads the Deposit Payments (DP) for deposits recorded in the FTS system, to the Statewide Accounting, Budgeting and Human Resources System (SABHRS).	Unidirectional	System 1	Timer Event	Each work day, 3:30 PM, FTS creates flat file.	Once per day.	File Transfer	Secure FTP (SFTP)	Fixed Length Text File	No	Note: While the current supported implementation is SFTP, MDT prefers that selected vendor use the SABHRS web service facility.	1) IN_DEPOSIT_PAYMENT_LOAD.DOC 2) INTERFACE_OVERVIEW.DOC 3) MAINFRAME_INT_INSTRUC.DOC 4) WEB_SERV_INT_INSTRUC.DOC
129	FTS	SABHRS	This interface uploads the General Ledger (GL) for journals recorded in the FTS system, to the Statewide Accounting, Budgeting and Human Resources System (SABHRS).	Unidirectional	System 1	Timer Event	Each work day, 7:00 PM, FTS creates flat file.	Once per day.	File Transfer	Secure FTP (SFTP)	Fixed Length Text File	No	Note: While the current supported implementation is SFTP, MDT prefers that selected vendor use the SABHRS web service facility.	1) IN_GENERAL_LEDGER_LOAD.DOC 2) INTERFACE_OVERVIEW.DOC 3) MAINFRAME_INT_INSTRUC.DOC 4) WEB_SERV_INT_INSTRUC.DOC
130	IRP	AP	Several jurisdictions that are non-participants in IRP to whom the State of Montana owes refunds are paid through the Accounts Payable (AP) system, an in-house built application supported by MDT's Information Systems Division (ISD). IRP system must extract these records and create a flat file which is read nightly by the AP system. Jurisdictions currently not participating are: Manitoba, New Brunswick, Oklahoma and Oregon Note: AP was formerly known as Highway Online Claims (HOC).	Unidirectional	System 1	Timer Event	Each work day, 5:00 PM, IRP creates flat file.	Once per day.	File Transfer	Secure FTP (SFTP)	Fixed Length Text File	Yes		1) AP_SYSTEM_&_INTERFACE_OVERVIEW.DOCX 2) AP-TABLE-STRUCTURE-RS-TS-DOCUMENTS.PDF 3) E-MAIL-REQUEST-AP-INFO.PDF 4) APK00005-ACS-RS-FILE-PROCESSING.PDF
131	IRP	IJS Broker	To provide MT Dept. of Justice access to vehicle and motor carrier information stored in the IRP system.	Bi-directional (dialogue)	System 2	On Demand by User	When MT DOJ requests information about a registrant, owner or a vehicle.	As needed by DOJ CJIN user.	Web Service	Unknown	XML	Yes	This dialogue is actually two: 1) Request/Response 1 (acknowledgement only) 2) Response 2 (data) See reference for more details.	MT DOJ IRP-NLETS ICD VER 0 5_XEROX.docx
132	IRP	IRP Clearinghouse	To periodically upload IRP transactions (transmittals).	Unidirectional	System 1	Timer Event	IRP CH demands transmittals by 10th of month.	First of each calendar month.	File Transfer	Secure FTP (SFTP)	Fixed Length Text File	Yes	RECAP flat file.	
133	IRP	Montana Interactive	Montana Interactive is the State's preferred payment processor, which has a long-term contract with the State for doing so.	Unidirectional	System 1	On Demand by User	As required when payment must be tendered.	N/A	Page Demand	HTTPS	XML within SOAP message	No	Montana Interactive is a wholly owned business unit of NIC (http://www.egov.com/Partners/Pages/Montana.aspx).	
134	IRP	SABHRS	This interface uploads the Deposit Payments (DP) for deposits recorded in the IRP system, to the Statewide Accounting, Budgeting and Human Resources System (SABHRS).	Unidirectional	System 1	Timer Event	Each work day, 3:30 PM, IRP creates flat file.	Once per day.	File Transfer	Anonymous FTP	Fixed Length Text File	No	Note: While the current supported implementation is SFTP, MDT prefers that selected vendor use the SABHRS web service facility.	1) IN_DEPOSIT_PAYMENT_LOAD.DOC 2) INTERFACE_OVERVIEW.DOC 3) MAINFRAME_INT_INSTRUC.DOC 4) WEB_SERV_INT_INSTRUC.DOC
135	IRP	SABHRS	This interface uploads the General Ledger (GL) for journals recorded in the IRP system, to the Statewide Accounting, Budgeting and Human Resources System (SABHRS).	Unidirectional	System 1	Timer Event	Each work day, 7:00 PM, IRP creates flat file.	Once per day.	File Transfer	Anonymous FTP	Fixed Length Text File	No	Note: While the current supported implementation is SFTP, MDT prefers that selected vendor use the SABHRS web service facility.	1) IN_GENERAL_LEDGER_LOAD.DOC 2) INTERFACE_OVERVIEW.DOC 3) MAINFRAME_INT_INSTRUC.DOC 4) WEB_SERV_INT_INSTRUC.DOC
138	Permits	Montana Interactive	Montana Interactive is the State's preferred payment processor, which has a long-term contract with the State for doing so.	Unidirectional	System 1	On Demand by User	As required when payment must be tendered.	N/A	Page Demand	HTTPS	XML within SOAP message	No	Montana Interactive is a wholly owned business unit of NIC (http://www.egov.com/Partners/Pages/Montana.aspx).	
139	Permits	SABHRS	This interface uploads the Deposit Payments (DP) for deposits recorded in the Permits system, to the Statewide Accounting, Budgeting and Human Resources System (SABHRS).	Unidirectional	System 1	Timer Event	Each work day, 3:30 PM, Permits creates flat file.	Once per day.	File Transfer	Secure FTP (SFTP)	Fixed Length Text File	No	Note: While the current supported implementation is SFTP, MDT prefers that selected vendor use the SABHRS web service facility.	1) IN_DEPOSIT_PAYMENT_LOAD.DOC 2) INTERFACE_OVERVIEW.DOC 3) MAINFRAME_INT_INSTRUC.DOC 4) WEB_SERV_INT_INSTRUC.DOC
140	Permits	SABHRS	This interface uploads the General Ledger (GL) for journals recorded in the Permits system, to the Statewide Accounting, Budgeting and Human Resources System (SABHRS).	Unidirectional	System 1	Timer Event	Each work day, 7:00 PM, Permits creates flat file.	Once per day.	File Transfer	Secure FTP (SFTP)	Fixed Length Text File	No	Note: While the current supported implementation is SFTP, MDT prefers that selected vendor use the SABHRS web service facility.	1) IN_GENERAL_LEDGER_LOAD.DOC 2) INTERFACE_OVERVIEW.DOC 3) MAINFRAME_INT_INSTRUC.DOC 4) WEB_SERV_INT_INSTRUC.DOC
141	PRISM SFTP Server	CVIEW	This interface allows MDT's CVIEW system to download SAFER's Target File for vehicles, known as the PRISM Targeted Vehicle Transaction, which contains vehicles that are either under a Federal Out-of-Service Order or "Targeted" for inspection at the roadside. The Target File also contains the vehicles associated to those carriers registered in PRISM States.	Unidirectional	System 2	Timer Event	8:00:00 AM EST	Once per day.	File Transfer	Secure FTP (SFTP)	XML as ZIP file (not password protected)	No	This file is a ZIP file containing the XML payload. File name is commonly referred to as T0041P, created by 6:00 AM Mon-Sat EST. Specifically, the SAFER FTP site is the Volpe Center FMCSA-Secure FTP (SFTP) server.	1) PRISM-Data-Flow-for-General-IT-Users.PPT 2) PRISM-XML-Transaction-Specifications.PDF 3) Schema: globalTypes.xsd 4) Schema: T0041PV1.xsd 5) Schema: T0042PV1.xsd
142	PRISM SFTP Server	CVIEW	This interface allows MDT's CVIEW system to download MCS-150 census data.	Unidirectional	System 2	Timer Event	6:00:00 AM EST	Once per day.	File Transfer	Secure FTP (SFTP)	Variable Length Text File	No		PRISM-Data-Flow-for-General-IT-Users.PPT
143	PRISM SFTP Server	CVIEW	This interface allows MDT's CVIEW system to download SAFER's Target File for vehicles, known as the PRISM Targeted Carrier Transaction, which contains carriers that are either under a Federal Out-of-Service Order or "Targeted" for inspection at the roadside. The Target File also contains the vehicles associated to those carriers registered in PRISM States.	Unidirectional	System 2	Timer Event	8:00:00 AM EST	Once per day.	File Transfer	Secure FTP (SFTP)	XML as ZIP file (not password protected)	No	This file is a ZIP file containing the XML payload. File name is commonly referred to as T0042P, created by 6:00 AM Mon-Fri EST. Specifically, the SAFER FTP site is the Volpe Center FMCSA-Secure FTP (SFTP) server.	1) PRISM-Data-Flow-for-General-IT-Users.PPT 2) PRISM-XML-Transaction-Specifications.PDF 3) Schema: globalTypes.xsd 4) Schema: T0041PV1.xsd 5) Schema: T0042PV1.xsd

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I44	SAFER/PRISM Central Site	CVIEW	This interface is used to request motor carrier and vehicle safety data from the SAFER FTP Site. Known as the 'MCMIS Safety and Census Update.'	Unidirectional	System 2	Timer Event	Unknown	Once per day.	File Transfer	Secure FTP (SFTP)	XML as ZIP file (not password protected)	Yes	This file is a ZIP file containing the XML payload. File name is commonly referred to as T0031, created by 6:00 AM Mon-Sat EST. Specifically, the SAFER FTP site is the Volpe Center FMCSA-Secure FTP (SFTP) server.	1) Schema: globalTypes.xsd 2) Schema: T0031PV2.xsd
I45	CVIEW	MERLIN	This interface allows MDT's MCS roadside officers to access truck registration information which is initially capture in the Montana Department of Justice's MERLIN system	Unidirectional	System 2	Unknown	Unknown	Once per day.	File Transfer	Unknown	Unknown	No		