

ITS Component Specification

APPENDIX A: Requirements Per Component

NOTE TO READER:

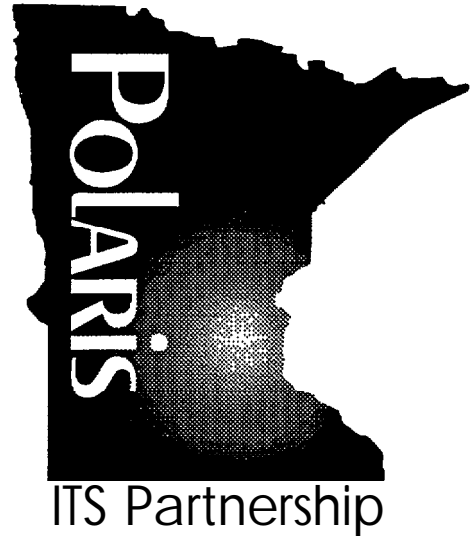
THIS IS A LARGE DOCUMENT

Due to its large size, this document has been segmented into multiple files. All files separate from this main document file are accessible from links ([blue type](#)) in the [table of contents](#) or the body of the document.

Minnesota Intelligent Transportation Systems

ITS Component Specification

APPENDIX A: Requirements Per Component



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This document consists of one appendix listing components of multiple services. Each of the services has been extracted and is included on this page as a link. Please select the section you wish to view and click on it when the hand comes up. This will bring up the section you want.

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Component Specification - Appendix A: Requirements Per Component

The appendix lists the requirements that have been allocated to each component. The requirements for each component are grouped by, service, function, and subfunction. The following table defines the service, function, and subfunction acronyms used in the lists.

Acronyms Used in Component Specification Appendix A

<u>Service</u>	<u>Function</u>	<u>Sub-function</u>	<u>Acronym Description</u>
AM			Account Management
	MUSA		Manage User Service Accounts
		AUA	Administer User Accounts
		MSU	Manage Service Usage Data
		SBP	Manage Service Billing/Payments
	PSPS		Plan Service Price Structure
		MPR	Manage Pricing Requirements
		MPS	Manage Pricing Strategies
		MSPS	Manage Service Pricing Structures
IM			Incident Management
	MIRP		Manage Incident Response
		CRI	Classify and Record Incidents
		DAI	Detect and Acknowledge Incidents
		IRPPR	Initiate Response Plans and Procedures
		MIL	Manage Incident Log
		MMR	Manage Mayday Requests
		TRP	Track Response Progress
	MIRS		Manage Incident Resources
		MIRA	Manage Incident Resource Assignments
		TIRS	Track Incident Resource Status
	PIR		Plan Incident Response
		MRPP	Manage Response Plans and Procedures
		MRR	Manage Response Requirements

<u>Service</u>	<u>Function</u>	<u>Sub-Function</u>	<u>Acronym Description</u>
		MIRRO	Manage Response Routes
MNT			Maintenance
	MNA		Manage Maintenance Activities
		MMRD	Manage Maintenance Records
		PM	Perform Maintenance Activities
	PMA		Plan Maintenance Activities
		GMP	Generate Maintenance Plan
		MMPI	Manage Maintenance Planning Information
		PMT	Prioritize Maintenance Tasks
PTS			Public Travel Security/Enforcement
	PTSE		Public Travel Security/Enforcement
		MTSER	Manage Travel Security/Enforcement Requirements
		MTSPR	Manage Travel Security Plans and Procedures
		MER	Manage Enforcement Requirements
	MTSE		Manage Travel Security Enforcement
		ISPP	Implement Security Plans and Procedures
		ER	Enforce Regulations
		MVI	Manage Violations Log
RMR			Ride Matching and Reservations
	DRO		Manage Demand Responsive Operations
		DRS	Provide Demand Responsive Service
		RSA	Manage Rideshare Schedule Adherence
		RSU	Manage Rideshare Service Usage Data
	RSO		Manage Rideshare Offers
		DTSPI	Distribute Transit Service Provider Information
		MRP	Match Rider with Provider
		PRO	Plan Rideshare Operating Procedures
		PRR	Plan Rideshare Routes
		RSO	Manage Rideshare Offers

Service	Function	Sub-Function	Acronym Description
	RSR		Manage Rideshare Requests
		DRI	Distribute Rideshare Information
		RRQ	Manage Rider Requests
TC			Traffic Control
	MSNEO		Manage Signal Network Operations
		CSM	Control Signal Modes
		ISTP	Implement/Adapt Signal Timing Plans
		MSR	Manage Signal Resources
	MSNO		Manage Signal Network Operations
		CSM	Control Sign Modes
		STP	Implement/Adapt Signing Plans
		MSIR	Manage Signing Resources
	MTC		Monitor Traffic Conditions
		CTD	Collect Traffic Surveillance Data
		DITC	Distribute Traffic Conditions
		DETC	Determine Traffic Conditions
		STSD	Sense Traffic Surveillance Data
	PTCS		Plan Traffic Control Strategies
		MTCP	Manage Traffic Control Strategies/Plans
		MTCR	Manage Traffic Control Requirements
TCI			Travel Conditions Information
	MTCDD		Manage Travel Conditions Data
		CTC	Collect Travel Conditions Source Data
		BTC	Determine Basic Travel Conditions and Travel Effects
		STD	Sense Travel Conditions Data
	MTCI		Manage Travel Conditions Information
		DTC	Distribute Travel Conditions Information
		TTC	Determine Tailored Travel Conditions

<u>Service</u>	<u>Function</u>	<u>Sub-function</u>	<u>Acronym</u>	<u>Description</u>	
TFM	MAIN	TTE		Determine Tailored Travel Effects	
				Public Transit Fleet Management	
	MFO	MAIN		(High Level Requirements)	
		MAIN		(High Level Requirements)	
				Manage Fleet Operations	
				Manage Passenger Transfers	
				Manage Passenger Usage Data	
				Manage Route Changes	
				Manage Schedule Adherence	
				Manage Transit Assignments	
				Track Resource Operational Status	
			PFO		Plan Fleet Operations
				PFR	Plan Fixed/Flexible Routes, Trips, and Runs
				POP	Plan Fleet Operating Procedures
				STT	Schedule Trip Times
TNG				Training	
	MTACT			Manage Training Activity	
			MTCRD		Manage Training Credentials
			MTR		Manage Training Records
			PTC		Perform Training/Certification Activity
	PTA				Plan Training Activities
			ETS		Establish Training Schedule
			GTP		Generate Training Plan
			PPE		Plan Public Education
			PTR		Prioritize Training Tasks
TPD				Trip Planning and Directions	
	MTPD			Manage Trip Planning and Directions Data	
			CD		Compute Directions
			DR		Determine Route

<u>Service</u>	<u>Function</u>	<u>Sub-function</u>	<u>Acronym</u>	<u>Description</u>
	MTTP			Manage Tailored Trip Plans and Directions
		BTI		Build Trip Plan
		DTPD		Distribute Trip Plans and Directions
TSI				Traveler Services Information
	MTSD			Manage Traveler Services Data
		BTS		Manage Basic Traveler Services Information
		CTS		Manage Basic Traveler Services Source Data
	MTTS			Manage Tailored Traveler Services Information
		DTSI		Distribute Traveler Services Information
		DTTS		Determine Tailored Traveler Services Information
		MR		Make Reservations