

Component			Source
Service	Function	Sub-Function Requirement	
Truck Center			
	AM		
		MUSA	
		SBP	
		4.2.3.025	A single payment media shall be supported for all transportation services. USR 3.1.2.1
		4.2.3.026	A single payment media shall be supported for transportation services and other uses; such as retail purchases, utility bills, etc. USR 3.1.2.6
		4.2.3.029	Service payments that are insuffkient or past due shall be detected. Derived
TCI			
		MTC	
		CTCD	
		1.1.2.001	Travel conditions source data shall include traffic conditions. MnE 1.3
		1.1.2.003	Travel conditions source data shall include weather conditions. MnE 1.3
		1.1.2.004	Travel conditions source data shall include weather surveillane data. MnE 1.3
		1.1.2.005	Travel conditions source data shall include road surface conditions. MnE 1.3
		1.1.2.006	Travel conditions source data shall include road surface surveillane data. MnE 1.3
		1.1.2.007	Travel conditions source data shall include incident conditions. MnE 1.3
		1.1.2.008	Travel conditions source data shall include planned event information. MnE 1.3
		1.1.2.012	Traffic conditions data shall be collected. Derived
		1.1.2.013	Weather conditions shall be collected. Derived
		1.1.2.016	Road surface conditions shall be collected from humans. Derived
		1.1.2.017	Road surface conditions shall be collected from other systems. Derived

Component			Source
Service	Function	Sub-Function Requirement	
	1.1.2.018	Incident conditions shall be collected from humans.	Derived
	1.1.2.019	Planned event information shall be collected from humans	Derived
	1.1.2.020	Planned event information shall be collected from other systems.	Derived
	1.1.2.023	Travel conditions source data shall be accepted for input in to the system via voice.	Derived
	1.1.2.024	Travel conditions source data shall be accepted for input in to the system via fax	Derived
	1.1.2.025	Travel conditions source data shall be accepted for input into the system via paper copy	Derived
	1.1.2.026	Travel conditions source data shall be accepted for input into the system via magnetic medium	Derived
	1.1.2.028	Travel conditions source data shall be accepted in the system via manual entry.	Derived
	1.1.2.029	Travel conditions source data shall be accepted into the system via electronic entry. (ITS standard format).	Derived
	1.1.2.029.a	Travel conditions source data shall be accepted into the system when in NTCIP format.	Derived
	1.1.2.029.b	Travel conditions source data shall be accepted into the system when in ITIS BAP format.	Derived
	1.1.2.030	Travel conditions source data shall be accepted into the system via electronic entry. (ITS non-standard format)	Derived
	1.1.2.031	Travel conditions source data received in a non-standard format shall be converted to standard format.	Derived
	1.1.2.032	Travel conditions source data shall be stored and maintained as an operator selectable option.	Derived
	1.1.2.033	Travel conditions source data that is no longer active shall be identified.	Derived
	1.1.2.034	Travel conditions source data that is no longer active shall be manually deletable.	Derived
	1.1.2.035	Travel conditions source data shall be logged upon initial receipt, change, and deletion.	Derived
	1.1.2.036	Condition start time shall be assigned when travel conditions source data is generated.	Derived

Component			Source
Service	Function	Sub-Function Requirement	
	1.1.2.037	Condition stop time shall be assigned to travel conditions source data.	MnE 2.2,2.6.2, 1.5.3, 1.
	1.1.2.038	Expected duration shall be assigned when travel conditions source data is generated.	MnE 2.2,2.6.2, 1.5.3, 1.
	1.1.2.039	Weather surveillance data shall be collected.	USR 3.1.2.5
	1.1.2.040	Road surface surveillance data shall be collected.	
	1.1.2.044	Incident conditions shall be collected from other systems.	Derived
	1.1.2.045	Multiple sources of travel conditions source data shall be compared to improve the accuracy of the data.	Derived
	1.1.2.046	Multiple sources of travel conditions source data shall be compared to improve the consistency of the data.	Derived
DBTCCTE			
	1.1.3.004	Travel conditions shall be referenced to a physical location.	MnE 1.1.1, 1.2
	1.1.3.005	Travel effects shall be referenced to a physical location.	MnE 1.1.1
	1.1.3.007	Link reference model data shall be stored and maintained.	Derived
	1.1.3.008	Travel conditions shall include current traffic conditions	USR 5.2.2.1
	1.1.3.009	Travel conditions shall include current weather conditions.	USR 5.2.2.1, GGO 10.5.
	1.1.3.010	Travel conditions shall include forecasted weather conditions.	MnE 1.1.2, 1.6.1, GGO
	1.1.3.011	Travel conditions shall include current road surface conditions.	USR 5.2.2.1
	1.1.3.012	Travel conditions shall include forecasted road surface conditions	Derived
	1.1.3.013	Travel conditions shall include current incident conditions.	USR 5.2.2.1
	1.1.3.014	Travel conditions shall include planned event information	MnE 1.6.1
	1.1.3.018	Travel conditions shall be stored and maintained.	Derived

Component			Source
Service	Function	Sub-Function Requirement	
	1.1.3.024	Weather conditions shall include rain.	MnE 1.1, 1.4.1, MnA 1.
	1.1.3.025	Weather conditions shall include snow.	MnE 1.1, 1.4.1, MnA 1.
	1.1.3.026	Weather conditions shall include fog.	MnE 1.1, 1.4.1, MnA 1.
	1.1.3.027	Weather conditions shall include clear weather.	MnE 1.1, 1.4.1, MnA 1.
	1.1.3.028	Forecast weather conditions shall be maintained.	MnE 1.1.2, 1.6.1, 2.5,2.
	1.1.3.029	Road surface conditions shall include dry pavement.	MnE 1.1, 1.4.1, MnA 1.
	1.1.3.030	Road surface conditions shall include wet pavement.	MnE 1.1, 1.4.1, MnA 1.
	1.1.3.031	Road surface conditions shall include flooded pavement	MnE 1.1, 1.4.1, MnA 1.
	1.1.3.032	Road surface conditions shall include snow covered pavement	MnE 1.1, 1.4.1, MnA 1.
	1.1.3.033	Road surface conditions shall include icy pavement.	MnE 1.1, 1.4.1, MnA 1.
	1.1.3.034	Road surface conditions shall include plowed pavement	MnE 1.1, 1.4.1, MnA 1.
	1.1.3.035	Road surface conditions shall include salted pavement.	MnE 1.1, 1.4.1, MnA 1.
	1.1.3.036	Road surface conditions shall include sanded pavement.	MnE 1.1, 1.4.1, MnA 1.
	1.1.3.037	Forecasted road surface conditions shall be maintained.	Derived
	1.1.3.038	Planned event information shall include current construction and maintenance.	USR5.2.2.1, 1.1.2.1.1,
	1.1.3.039	Incident conditions shall include dangerous situations and hazards	USR5.2.2.1, 1.1.2.1.1,
	1.1.3.040	Incident conditions shall include accidents	USR5.2.2.1, 1.1.2.1.1,
	1.1.3.041	Planned event information shall include special events.	USR5.2.2.1, 1.1.2.1.1,
	1.1.3.042	Future planned event information such as future construction and maintenance shall be maintained.	MnE 1.6.1,2.5,2.5.1,2.

Component			Source
Service	Function	Sub-Function Requirement	
	1.1.3.043	Future planned event information such as upcoming special events/event schedules shall be maintained.	MnE 1.6.1,2.5,2.5.1,2.6,
	1.1.3.054	Travel conditions that are no longer active shall be identified.	Derived
	1.1.3.055	Travel effects that are no longer active shall be identified.	Derived
	1.1.3.056	Travel conditions shall be manually deletable.	Derived
	1.1.3.057	Travel effects shall be manually deletable.	Derived
	1.1.3.059	Travel effects shall be stored and maintained.	Derived
	1.1.3.060	Travel conditions shall be logged upon initial receipt, change and deletion.	Derived
	1.1.3.061	Travel effects shall be logged upon initial receipt, change and deletion.	Derived
	1.1.3.062	Agencies shall be able to access travel conditions without having to manually replicate the information.	MnA 1.1.2
	1.1.3.068	Travel effects shall be determined based on travel conditions source data.	Derived
	1.1.3.068.a	Travel effects shall be determined based on using travel effects rules.	Derived
	1.1.3.070	Travel effects shall include road/ramp closings.	GGO 2.10.3, MnE 1.5.2
	1.1.3.071	Travel effects shall include detours.	GGO 2.10.3, MnE 1.5.2
	1.1.3.075	Future travel effects shall be determined and maintained, including planned road/ramp closings.	MnE 1.7, MnE 1.7.1
	1.1.3.076	Future travel effects shall be determined and maintained, including planned detours.	MnE 1.7, MnE 1.7.1
	1.1.3.077	Travel effects that are no longer active shall be identified.	Derived
	1.1.3.079	A capability to enter travel effects rules shall be provided.	Derived
	1.1.3.080	Travel effects rules shall include current condition specific rules.	Derived

Component			Source
Service	Function	Sub-Function Requirement	
	1.1.3.081	Travel effects rules shall include future/forecast condition specific rules.	Derived
	1.1.3.082	Travel effects rules shall be created, stored and updated.	Derived
	1.1.3.083	Travel conditions shall be determined using traffic conditions.	Derived
	1.1.3.084	Travel conditions shall be determined using weather conditions	Derived
	1.1.3.085	Travel conditions shall be determined using road surface conditions.	Derived
	1.1.3.086	Travel conditions shall be determined using incident conditions	Derived
	1.1.3.087	Travel conditions shall be determined using planned event information.	Derived
	1.1.3.091	Traffic conditions shall include arterial data.	Derived
	1.1.3.092	Weather conditions shall be determined using weather surveillance data.	Derived
	1.1.3.093	Road surface conditions shall be determined using road surface surveillance data.	Derived
MTCI			
	DTCI		
	1.2.1.012	As a goal, travel conditions will be made available to users 24 hours/day, 7 days/week, 365 days/year.	MnE 1.3.1,2.4.1, GGO
	1.2.1.012.a	Travel conditions shall be made available within the agreed to hours of operation.	Derived
	1.2.1.012.b	Travel conditions shall be made available to humans	Derived
	1.2.1.012.c	Travel conditions shall be made available to other systems	Derived
	1.2.1.017	Travel conditions shall be distributed via phone.	MnE 1.3.3,2.4.3, MnA
	1.2.1.019	Travel conditions shall be distributed via fax.	MnE 1.3.3,2.4.3, MnA
	1.2.1.021	Travel conditions shall be distributed via electronic transfer to publicly owned computer.	MnE 1.3.3,2.4.3, MnA
	DTTC		

Component			Source
Service	Function	Sub-Function Requirement	
	1.2.3.005	Travel conditions shall be received automatically upon occurrence of an event.	Derived
	1.2.3.006	Travel conditions shall be received automatically upon any change in an event.	Derived
	1.2.3.007	Travel conditions shall be received upon the issuing of a travel conditions request.	Derived
	1.2.3.024	Travel conditions shall contain active/or forecasted/future conditions.	Derived
	1.2.3.025	Forecasted travel conditions shall contain effects of active or forecasted/future conditions.	Derived
	1.2.3.027	Travel conditions shall contain conditions descriptions.	Derived
	1.2.3.030	Travel conditions information shall be compiled from travel conditions and travel effects for a local service area.	MnE 1.1.1,2.1.1
	1.2.3.031	Travel conditions information shall be compiled from travel conditions and travel effects for the metro area.	GGO 1.10.2
	1.2.3.034	Travel conditions information shall be compiled from travel conditions and travel effects for multiple counties.	MnE 1.8.1,2.7.1
	1.2.3.035	Travel conditions information shall be compiled from travel conditions and travel effects for multiple cities.	MnE 1.8.1,2.7.1
	1.2.3.036	Travel conditions information shall be compiled from travel conditions and travel effects statewide.	MnE 1.8.2,2.7.2
	1.2.3.038	Travel conditions information shall be compiled from travel conditions and travel effects for a geographic region.	MnE 1.8,2.7
	1.2.3.039	Travel conditions shall be compiled for the current time frame.	MnE 1.1.2, MnA 1.4.1,
	1.2.3.040	Travel conditions shall be compiled for the future time frame.	MnE 1.1.2, 1.6.1, USR 1.
	1.2.3.041	Travel conditions shall be compiled for the forecasted time frame.	MnE 1.1.2, 1.6.1, USR 1
DTTE			
	1.2.2.002	Travel effects shall be received automatically upon the occurrence of an event.	Derived

Component**Source**

Service Function Sub-Function Requirement

1.2.2.003 Travel effects shall be received automatically upon any change in an event.

Derived
