Component Service Function Sub-Function	Requirement	Source
Information Provider(s)		
TCI		
MTCD		
CTCD		
1.1.2.001	Travel conditions source data shall include traffic conditions.	MnE 1.3
1.1.2.002	Travel conditions source data shall include traffic surveillance data.	Derived
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 surveillance 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 surveillance 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
1.1.2.009	Travel conditions source data shall include parking conditions.	MnE 1.3
1.1.2.010	Travel conditions source data shall include transit conditions.	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
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

Component Service Function Sub-Function Requirement		Source
1.1.2.021	Parking conditions shall be collected.	Derived
1.1.2.022	Transit conditions shall be collected.	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
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.

Component / Service Function / Sub-Function	Requirement	Source
	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.	
	1.1.2.042 Traffic surveillance data shall be collected.	Derived
	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
DBTCTE		
	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
	1.1.3.015 Travel conditions shall include current parking conditions	USR 1.1.2.1.6

Component Service Function Sub-Function Requirement		Source
1.1.3.016	Travel conditions shall include current transit conditions	USR 1.1.2, 1.1.2.1
1.1.3.017	Travel conditions shall include future transit conditions	MnE 2.5,2.6
1.1.3.018	Travel conditions shall be stored and maintained.	Derived
1.1.3.019	Traffic conditions shall include congestion	USR 5.2.2.1, MnE 1.4.1,
1.1.3.020	Traffic conditions shall include freeway data.	USR 5.2.2.1, GGO 1.5.1
1.1.3.021	Traffic conditions shall include traffic speeds	USR 5.2.2.1, USR 1.1.2.
1.1.3.022	Traffic conditions shall include traffic levels (volume and occupancy)	USR 5.2.2.1, MnE 1.4.1,
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.

Component Service Function Sub-Function Reauirement		Source
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.	USR 5.2.2.1, 1.1.2.1.1,
1.1.3.039	Incident conditions shall include dangerous situations and hazards	USR 5.2.2.1, 1.1.2.1.1,
1.1.3.040	Incident conditions shall include accidents	USR 5.2.2.1, 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.
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,
1.1.3.044	Parking condtions shall include parking availability.	USR 1.1.2.1.6, MnE 1.5.
1.1.3.045	Parking conditions shall include parking lot status	USR 1.1.2.1.6, MnE 1.4.
1.1.3.046	Transit conditions shall include estimated arrival times at each transit stop	GGO 1.5.2, MnE 2.3.1,
1.1.3.046.a	Transit conditions shall include estimated departure times from each transit stop	Derived
1.1.3.046.b	Transit conditions shall include transit vehicle schedule status relative to each stop along a route	Derived
1.1.3.047	Transit conditions shall include schedule changes.	GGO 1.5.2, MnE 2.2,2.
1.1.3.048	Transit condtions shall include route changes	GGO 1.5.2, MnE 2.2,2.
1.1.3.049	Transit condtions shall include transfer changes.	GGO 1.5.2, MnE 2.2,2.
1.1.3.050	Transit conditions for various public transit modes including public transit buses shall be determined	USR 1.1.2, 1.1.2.1
1.1.3.052	Transit conditions for various public transit modes including taxis shall be determined.	Derived

Component Service Function Sub-Function Requirement		Source
1.1.3.053	Future transit conditions shall be maintained	Derived
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
1.1.3.069	Travel effects shall include delays.	GGO 2.10.3, MnE 1.5.1
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
1.1.3.072	Travel effects shall include reduced speeds.	GGO 2.10.3, MnE 1.5.1
1.1.3.074	Future travel effects shall be determined and maintained, including expected delays.	MnE 1.7, MnE 1.7.1
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

Component	Service Function	Sub-Function	Requirement	Source
		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
		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
		1.1.3.088	Travel conditions shall be determined using parking conditions.	Derived
		1.1.3.089	Travel conditions shall be determined using transit conditions.	Derived
		1.1.3.090	Traffic conditions shall be determined using traffic surveillance data.	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
		1.1.3.095	Traffic conditions shall include road segment travel time.	Derived
		1.1.3.096	Traffic conditions shall include signal timing data.	Derived
MTCI				
	DTCI			
		1.2.1.001	Travel conditions requests shall be accepted for travel conditions.	Derived

Component			Source
Service	Function	Sub-Function Requirement	
		1.2.1.011 Travel conditions shall be formatted to the user-specific delivery device.	Derived
		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
		1.2.1.021 Travel conditions shall be distributed via electronic transfer to publicly owned computer.	MnE 1.3.3,2.4.3, MnA
		1.2.1.032 Basic travel conditions shall be made available via on-line services.	Derived
		1.2.1.033 Travel conditions shall be distributed via electronic transfer to privately owned computer.	Derived
	DTTC		
		1.2.3.005 Travel conditions shall be received automatically upon occurance 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 forcasted/future conditions.	Derived
		1.2.3.025 Forcasted travel conditions shall contain effects of active or forcasted/future conditions.	Derived
		l-2.3.027 Travel conditions shall contain conditions descriptions.	Derived
		l-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
		1.2.3.032 Travel conditions information shall be compiled from travel conditions and travel effects for freeways.	GGO 1.10.2, MnA 1.1.3

Component			Requirement	Source
Service	Function	Sub-Function		
		1.2.3.033	Travel conditions information shall be compiled from travel conditions and travel effects for arterials.	MnA 1.1.3, 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
		1.2.3.037	Travel conditions information shall be compiled from travel conditions and travel effects for multiple states.	MnE 1.8.1,2.7.1
		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
		1.2.2.003	Travel effects shall be received automatically upon any change in an event.	Derived
		1.2.2.004	Travel effects shall be received upon the issuing of a request for travel effects	Derived
TPD				
	MTPD			
		CD		
		2.1.3.001	Directions shall be computed from any user-specified source to any user-specified destination.	MnE 4.1, USR 1.3.1.1,
		2.1.3.002	Directions shall be computed for transit transfer and connections.	MnE 4.3.5

Component Service Function Sub-Function Requirement		Source
2.1.3.003	Directions shall be based on a calculated route.	USR 1.3.2.2.2, GGO 3.5.
2.1.3.003.a	If the travel conditions option is selected in the route requirements, then directions shall be determined using current or forecast travel conditions.	USR 1.3.2.2.2, GGO 3.5.
2.1.3.004	If the travel conditions option is selected in the route requirements, then directions shall be determined using traffic conditions.	MnE 4.6, USR l-1.3.3.1,
2.1.3.005	If the travel conditions option is selected in the route requirements, then directions shall be determined using street closure information.	MnE 4.6, USR 1.1.3.3.1,
2.1.3.006	If the travel conditions option is selected in the route requirements, then directions shall be determined using transit schedules.	MnE 4.6, USR 1.1.3.3.1,
2.1.3.007	If the travel conditions option is selected in the route requirements, then directions shall be determined using transit schedule changes.	MnE 4.6, USR 1.1.3.3.1,
2.1.3.008	If the travel conditions option is selected in the route requriements, then directions shall be determined using transit system status.	MnE 4.6, USR 1.1.3.3.1,
2.1.3.009	If the travel conditions option is selected in the route requirements, then directions shall be determined using no pedestrian zone information.	MnE 4.6, USR 1.1.3.3.1,
2.1.3.010	If the travel conditions option is selected in the route requirements, then directions shall be determined using pedestrian event information.	MnE 4.6, USR 1.1.3.3.1,
2.1.3.011	If the travel conditions option is selected in the route requirements, then directions shall be determined using business closure, opening, and move information.	MnE 4.6, USR 1.1.3.3.1,
2.1.3.012	Directions information shall include mode of travel.	Derived
2.1.3.013	Directions information shall include instructions text.	Derived
2.1.3.014	Directions information shall include travel distance.	Derived
2.1.3.015	Directions information shall include travel time.	Derived
2.1.3.016	Directions information shall include travel cost.	Derived

Component Service Function Sub-Function Requirement		Source
2.1.3.017	Instructions text shall include trip steps from origin to destination.	MnE 4.2,4.3, USR 1.3.1
2.1.3.018	Instructions text shall include route/street names.	MnE 3.7.1, GGO 1.10.2
2.1.3.019	Instructions text shall include which way to turn onto streets, roads, walkways and transit facilities.	USR 1.3.1.3
2.1.3.020	Instructions text shall include direction changes(turns, exits,lane changes,mode changes,transfers).	MnE 4.2.2
2.1.3.021	Instructions text shall include walking instructions.	Derived
2.1.3.022	Instructions text shall include waiting instructions (i.e., layover times between trip segments).	Derived
2.1.3.023	Instructions text shall include parking locations.	MnE 3.7.3,4.3.1
2.1.3.024	Instructions text shall include transportation modes available.	MnE 4.3.4, GGO 10.5.3,
2.1.3.025	Instructions text shall include transportation mode boarding, departure and transfer points	MnE 4.3.4, GGO 9.5.2,
2.1.3.026	Instructions text shall include public transit vehicle/route identification.	MnE 4.3.5, USR 1.1.1.1.
2.1.3.027	Instructions text shall include connecting transit route information.	MnE 4.3.4,USR 1.1.1.1.
2.1.3.028	Instructions text shall include next transit stop information.	Sbus 59-4.3
2.1.3.029	Instructions text shall include transit schedules.	USR 1.1.1.1.2, 1.3.2.1, 1
2.1.3.030	Instructions text shall include instructions on how to use the mode (transit).	MnE 3.7.5,6.4.6
2.1.3.031	Travel distance shall include travel distances for each segment.	MnE 4.3.2
2.1.3.032	Travel distance shall include total travel distance.	MnE 4.3.3
2.1.3.033	Travel time shall include travel times for each segment.	MnE 4.3.2
2.1.3.034	Travel time shall include total travel time.	MnE 4.3.3

Component Service Function Sub-Function Requirement		Source
2.1.3.035	Travel cost shall include transit fares.	MnE 3.7.2,4.3.3, USR 1
2.1.3.036	Travel cost shall include parking fees.	MnE 3.7.2,4.3.3
2.1.3.037	Travel cost shall include tolls.	MnE 3.7.2,4.3.3
2.1.3.038	Travel cost shall include total trip costs.	MnE 3.7.2,4.3.3
2.1.3.039	Directions shall be available for the metro-wide area.	MnE 4.7.1
2.1.3.040	Directions shall be available for a multi-city area.	MnE 4.7.1
2.1.3.041	Directions shall be available for a multi-county area.	MnE 4.7.1
2.1.3.042	Directions shall be available for a multi-state area.	MnE 4.7.1
2.1.3.043	Directions shall be made available for a statewide area.	MnE 4.7.2
2.1.3.044	Directions shall be available for a user-specified geographic area.	MnE 4.7
2.1.3.045	Directions changes shall be clearly noted with advance warning so that users can prepare for the change.	MnE 4.2.1,4.9.2
2.1.3.046	A tracking capability shall be available to users to guide them through a set of directions.	MnE 4.9
2.1.3.047	Directions shall be updated as the user progresses along a route.	MnE 4.9.3
2.1.3.048	User's shall be notified of errors (missing or wrong turns) when following a set of directions.	MnE 4.9.4
2.1.3.049	Directions shall be updated to get a user back on track to their destination after an error (missed or wrong turn) has occurred.	MnE 4.9.4
2.1.3.050	A users location shall be determined automatically.	MnE 4.8.1,4.9.1
2.1.3.051	Directions shall be computed from the user's automatically determined location to the user's specified destination.	MnE 4.8.2

DR

Component Service Function Sub-Function Requirement		Source
2.1.2.001	A route shall be determined based on route requirements.	MnE 3.2, USR 1.1.3.1.2,
2.1.2.002	A route shall be determined based on predicted demand on the transportation system by that user.	USR 1.3.4.3.1
2.1.2.003	Route information shall include total route travel time.	MnE 3.5.3,3.7.1,4.3.3
2.1.2.004	Route information shall include total route travel distance.	MnE 3.7.2.
2.1.2.005	Route information shall include segment travel times.	MnE 3.7.1,4.3.2
2.1.2.006	Route information shall include segment travel distances.	MnE 3.7.1,4.3.2
2.1.2.007	Route information shall include segment names(streets, roads, highways).	MnE 3.7.1
2.1.2.008	Route information shall include estimated arrival time.	MnE 3.7.1
2.1.2.009	Route information shall include parking locations.	MnE 3.7.3,4.3. I
2.1.2.010	Route information shall include parking availability.	MnE 3.7.3
2.1.2.011	Route information shall include route travel cost (tolls, fares, parking).	MnE 3.7.2,4.3.3, USR 1
2.1.2.012	Route information shall include routes highlighted on a map.	MnE 4.3
2.1.2.012a.	If the travel conditions option is selected in the route requirements, then a route shall be determined using current or forecast travel conditions.	MnE 4.3
2.1.2.013	If the travel conditions option is selected in the route requirements, then a route shall be determined using travel conditions, including traffic conditions.	USR 1.2.2.1.2.1, GGO 3.
2.1.2.014	If the travel conditions option is selected in the route requirements, then a route shall be determined using street closures information.	USR 1.2.2.1.2.1, GGO 3.
2.1.2.015	If the travel conditions option is selected in the route requirements, then a route shall be determined using public transit fleet schedules.	USR 1.2.2.1.2.1, GGO 3.
2.1.2.016	If the travel conditions option is selected in the route requirements, then a route shall be determined using transit schedule change information.	USR 1.2.2.1.2.1, GGO 3.

Component			Source
Service Function	Sub-Function	Requirement	
	2.1.2.017	If the travel conditions option is selected in the route requirements, then a route shall be determined using transit system status	USR 1.2.2.1.2.1, GGO 3.
	2.1.2.018	If the travel conditions option is selected in the route requirements, then a route shall determined using no pedestrian zones information.	USR 1.2.2.1.2.1, GGO 3.
	2.1.2.019	If the travel conditions option is selected in the route requirements, then a route shall be determined using pedestrian event information.	USR 1.2.2.1.2.1, GGO 3.
	2.1.2.020	If the travel conditions option is selected in the route requirements, then a route shall be determined using business closure, opening, and move information.	USR 1.2.2.1.2.1, GGO 3.
	2.1.2.023	Link reference model data shall be accepted from multiple sources including public agencies.	Derived
	2.1.2.024	Link reference model data shall be accepted from multiple sources including information service providers.	Derived
	2.1.2.025	Link reference model data shall be accepted into the system via manual entry.	Derived
	2.1.2.026	Link reference model data shall be accepted into the system via electronic entry (standard form)	Derived
	2.1.2.027	Link reference model data shall be accepted into the system via electronic entry (non-standard form).	Derived
	2.1.2.028	A link reference model shall be stored and maintained.	Derived
	2.1.2.029	Public transit fleet schedules shall be stored, updated and deleted.	USR 2.2.3.1.1
MTTP			
	BTI		
	2.2.2.001	A tailored trip itinerary shall be compiled based on user-specific criteria.	USR 1.1.3.1.1, 1.1.3.1.4
	2.2.2.002	A tailored trip itinerary shall include route highlighted on a map.	MnE 3.7,4.3
	2.2.2.003	A tailored trip itinerary shall include directions.	MnE 3.7,4.3
	2.2.2.004	A tailored trip itinerary shall include any requested Traveler Services Information (eg.airline, hotel, rental car reservations, etc.) including information about destination points.	MnE 6.7

Component Service Function Sub-Function	Requirement	Source
2.2.2.005	A tailored trip itinerary shall include any requested Traveler Services Information including information about points of interest along the route (e.g., service stations, restaurants, tourist sights, etc.)	MnE 6.7
DTPD		
2.2.3.001	Tailored trip itineraries, tailored routes and tailored directions information shall be made available to users 24 hours/day, 7 days/week, 365 days/year.	MnE 3.6.1,4.4.1
2.2.3.002	Tailored trip itineraries shall be made available via fax.	MnE 3.6.3
2.2.3.003	Tailored trip itineraries shall be made available via computer.	MnE 3.6.3, USR 1.3.4.1
2.2.3.004	Tailored trip itineraries shall be made available via in-vehicle devices.	MnE 3.6.3, USR 1.2.1.5,
2.2.3.005	Tailored trip itineraries shall be made available via personal portable devices.	USR 1.1.4.1.4, 1.3.4.1,2
2.2.3.006	Tailored trip itineraries shall be made available via kiosks.	USR 1.3.4.1, 2.1.2.2.4, 2
2.2.3.007	Tailored trip itineraries shall be made available via printed media.	USR 2.1.2.2.3
2.2.3.008	Tailored routes shall be made available via fax.	MnE 3.6.3
2.2.3.009	Tailored routes shall be made available via computer.	MnE 3.6.3, USR 1.3.4.1
2.2.3.010	Tailored routes shall be made available via in-vehicle devices.	MnE 3.6.3, USR 1.2.1.5,
2.2.3.011	Tailored routes shall be made available via personal portable devices.	USR 1.1.4.1.4, 1.3.4.1,2
2.2.3.012	Tailored routes shall be made available via kiosks.	USR 1.3.4.1, 2.1.2,2.4, 2
2.2.3.013	Tailored routes shall be made available via printed media.	USR 2.1.2.2.3
2.2.3.016	Tailored directions information shall be made available via phone	MnE 3.6.3, USR 1.3.4.1
2.2.3.017	Tailored directions information shall be made available via fax.	MnE 3.6.3
2.2.3.018	Tailored directions information shall be made available via computer.	MnE 3.6.3, USR 1.3.4.1

Component Service Function Sub-Function Requirement		Source
2.2.3.019	Tailored directions information shall be made available via in-vehicle devices.	MnE 3.6.3, USR 1.2.1.5,
2.2.3.020	Tailored directions information shall be made available via kiosks.	USR 1.3.4.1,2.1.2.2.4,2
2.2.3.021	Tailored directions information shall be made available via printed media.	USR 2.1.2.2.3
2.2.3.022	Tailored trip itineraries, tailored routes and tailored directions shall be made available via digital methods.	USR 1.1.4.2.1
2.2.3.023	Tailored trip itineraries, tailored routes and tailored directions shall be made available via audio.	MnE 4.9.2, USR 2.2.1.2.
2.2.3.025	Travelers shall be notified when to leave for any trip.	MnE 3.7.4
2.2.3.039	A trip request shall contain origin/destination points.	MnE 3.2.1, USR 1.1.3.2.
2.2.3.040	A trip request shall contain option to factor in current or forecasted travel conditions.	MnE 3.2.4, USR 1.1.3.2.
2.2.3.041	A trip request shall contain desired arrival time..	MnE 3.2.2, USR 1.1.3.2.
2.2.3.042	A trip request shall contain desired departure time.	MnE 3.2.2, USR 1.1.3.2.
2.2.3.043	A trip request shall contain maximum acceptable trip duration.	MnE 3.2.2, USR 1.1.3.2.
2.2.3.044	A trip request shall contain preferred route(s)/route segment(s).	MnE 3.2.3, USR 1.1.3.2.
2.2.3.045	A trip request shall contain a request for a route.	MnE 3.2.1, USR 1.1.3.2.
2.2.3.048	A trip request shall contain a request for directions.	MnE 3.2.1, USR 1.1.3.2.
2.2.3.053	Alternate route(s)/route segment(s) shall be determined based on travel conditions changes.	MnE3.5.1,USR 1.1.2.1.