

Component			Source
Service Function	Sub-Function	Requirement	
Emergency Vehicle			
IM			
	MIRP		
		CRI	
	6.2.3.001	Incidents shall be classified based on incident data.	GGO 20.10.1
	6.2.3.002	Incidents shall be classified according to standard categories. (Rational: Requirements specify a wide range of classifications which are covered by this standard e.g., HAZMAT chemical spills, breakdown/disable vehicle, accidents within injuries, major events).	USR 5.1.2.2.3, 5.1.1.1.4
		DAI	
	6.2.1.002	Incidents shall be detected and incident data collected for unplanned incidents.	USR 1.7.1, 1.7.1.2, 4.5.1
	6.2.1.003	Incidents shall be detected using incident data collected from public safety sources (e.g. police, fire, medical personnel, etc.).	MnE 3.4.4, USR 1.7.1.1.
	6.2.1.018	Incident data shall include type of incident classification.	USR 1.7.1.1.2, 1.7.1.2.2,
	6.2.1.019	Incident data shall include location.	USR 1.7.1.1.2, 1.7.1.2.2,
	6.2.1.023	Upon receipt of incident data, an incident acknowledgement message shall be sent to the reporting source of the incident.	USR 5.1.1.3
	6.2.1.024	An incident acknowledgement message shall contain verification that the incident data has been received.	MnE 5.2, 5.2.1, 5.2.2
	6.2.1.025	An incident acknowledgement message shall contain estimated time when help will arrive.	MnE 5.3.1, MCTO 4/24/
	6.2.1.026	Incident detection shall be available 24 hours/day, 7 days/week.	Derived
		IRPPR	
	6.2.4.001	Response plans and response procedures shall be selected and implemented based on the most current incident data.	USR 1.7.3, 1.7.3.1, 4.5.2
	6.2.4.002	Response plans and response procedures shall provide for coordination of all responding agency activities at the incident scene pertaining to patient care.	MnA 3.2.1

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	6.2.4.003 Response plans and response procedures shall provide for coordination of all responding agency activities at the incident scene pertaining to traffic flow control.	MnA 3.2.1
	6.2.4.004 Response plans and response procedures shall provide for coordination of all responding agency activities at the incident scene pertaining to incident clearing and removal.	MnA 3.2.1
	6.2.4.005 Resource requests shall be sent to the appropriate agencies based on the response plans and response procedures that have been selected to resolve the incident.	Derived
	6.2.4.006 A resource request shall contain, the most current incident data.	Derived
	6.2.4.009 A travel conditions request shall be generated to request travel conditions information along a primary or alternate response route.	Derived
	6.2.4.010 Response routes shall be selected based on the most current incident data and tailored travel conditions for that response route.	USR 5.2.2.2
	6.2.4.012 A signal pre-emption request shall be generated for ambulance emergency response vehicles (Rationale: reduce response time to an incident).	MnA 5.3.1, USR 1.7.2.5
	6.2.4.013 A signal pre-emption request shall be generated for fire emergency response vehicles (Rationale: reduce response time to an incident).	MnA 5.3.1, USR 1.7.2.5
	6.2.4.014 A signal pre-emption request shall be generated for police emergency response vehicles (Rationale: reduce response time to an incident).	MnA 5.3.1, USR 1.7.2.5
	6.2.4.015 A resource cancellation shall be issued for any incident response resource that is no longer needed to respond to an incident.	Derived
MIL		
	6.2.6.002 Incident log reports shall be generated based on user defined criteria for one or more incidents to support key stakeholder agencies.	MnA 3.4.1,3.2.2,3.3
	6.2.6.012 Incident conditions shall identify type of incident.	Derived
	6.2.6.013 Incident conditions shall identify location.	USR 4.5.1.2
	6.2.6.014 Incident conditions shall identify severity (e.g. number of lanes blocked or other factors that would require traffic rerouting).	Derived

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	6.2.6.015	Incident conditions shall identify time of occurrence.	USR 4.5.1.2
	6.2.6.016	Incident conditions shall identify estimated time until incident cleared.	Derived
	TRP		
	6.2.5.001	Incident response status shall include estimated time of arrival of responding resources.	MnE 5.2, 5.2.2
	6.2.5.002	Incident response status shall include current step in the response procedure.	Derived
	6.2.5.003	Incident response status shall include estimated time to removal and clearing of incident.	USR 1.7.1.2.2
MIRS	MIRA		
	6.3.1.038	Vehicle condition shall include accumulated mileage.	Derived
	6.3.1.039	Vehicle condition shall include driver reported problems.	Derived
	6.3.1.040	When equipment status indicates that a piece of equipment is inoperable, the failed equipment will be assigned to maintenance.	Derived
	6.3.1.041	When equipment status indicates that a piece of equipment is inoperable, appropriate maintenance equipment and personnel shall be assigned to the failed equipment's location (if necessary).	Derived
	6.3.1.042	When equipment status indicates that a piece of equipment is inoperable, available replacement equipment shall be assigned to replace the disabled equipment if the original equipment had been assigned to an incident.	Derived
	6.3.1.043	When a maintenance completion notice is received on repaired equipment, the equipment status shall indicate operable.	Derived
	6.3.1.044	Equipment condition shall include accumulated hours of usage.	Derived
	6.3.1.045	Equipment condition shall include operator reported problems.	Derived
	6.3.1.046	When a maintenance completion notice is received, the equipment assignment shall be made available for operational assignment.	Derived

TIRS

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	6.3.2.001	Resource location shall be determined.	MnA 3.5,3.5.1, USR 1.7
	6.3.2.003	Resource location shall be determined to an accuracy of +/- (TBD) meters.	Derived
	6.3.2.004	Resource location shall be continuously monitored and reported.	MnE 5.2, GGO 21.5.1
	6.3.2.004.a	Resource location reporting shall be tailorable to the needs of resource managers (e.g. resource owners, dispatch personnel, and on-scene coordinators).	MnE 5.2, GGO 21.5.1
	6.3.2.005	The resource managers (e.g. on scene incident coordinator, the dispatching agency, and the resource owner) shall be alerted when any vehicle condition or equipment condition information indicates a problem.	Derived
	6.3.2.006	Resource status shall include vehicle status.	Derived
	6.3.2.007	Resource status shall include equipment status.	Derived
	6.3.2.008	Resource location shall include vehicle location.	Derived
	6.3.2.009	Resource location shall include personnel location.	Derived
	6.3.2.010	Resource location shall include equipment location.	Derived
TC	MSNEO		
	CSM		
	5.2.1.003	Signals shall be capable of operating in pre-emption or priority mode.	Derived
	5.2.1.005	Signal pre-emption shall be available on-demand for emergency vehicles at traffic signal intersections to minimize delays in responding to emergencies and reduce safety hazards when passing through intersections by providing preference over others.	GGO 6.5.3, MnA 973,9
	5.2.1.007	Signal pre-emption and signal priority timing shall be determined automatically when signal pre-emption requests and/or signal priority requests are received from authorized emergency, transit, or railroad vehicles.	UST 5.2.3.2
	MTC		
	DITC		

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		5.4.3.004	Traffic conditions information shall be distributed to requesting agencies and other ITS services to support routing and guidance.	USR 1.6.4
TFM	MAIN	MAIN		
		7.3.1.003	Two-way data communication shall be provided to link the fleet vehicle with the fleet management facility and shall include communications with supervisors.	USR 2.1.4.2,2.3.5.2,2.3