

<b>Component</b>			<b>Source</b>
<b>Service</b>	<b>Function</b>	<b>Sub-Function</b>	<b>Requirement</b>
Mayday Service Provider(s)			
AM			
MUSA			
AUA			
4.2.1.005	A list of authorized users shall be created, stored, updated and deleted for Incident Management Service (Mayday Service).		Derived
4.2.1.010	A user profile shall be created, stored, updated and deleted for each user of the Incident Managment (Mayday Service).		Derived
4.2.1.011	A user profile shall contain user account information.		Derived
4.2.1.012	A user profile shall contain service profile(s) for each service.		Derived
4.2.1.013	A user profile shall contain distribution profile(s) for each service.		Derived
4.2.1.014	User profile data shall be accepted into the system manually.		Derived
4.2.1.015	User profile data shall be accepted into the system electronically (standard format).		Derived
4.2.1.016	User profile data shall be accepted into the system electronically (Non-standard format).		Derived
4.2.1.016.	All user profile data shall be checked for validity.		Derived
4.2.1.017.a	Users shall be allowed to store up to (TBD) distribution profiles per user profile.		Derived
4.2.1.018	A master user profile shall be created, stored, updated and deleted for each registered user.		Derived
4.2.1.019	A user profile shall be able to be activated and deactivated via an activation/deactivation request.		Derived
4.2.1.020	A user profile shall be able to be created, stored, updated, and deleted.		Derived
4.2.1.021	User account information shall include account number (assigned by the system).		Derived
4.2. I.02 1.a	User account information shall include a Personal Identification Number (PIN).		Derived
4.2.1.022	User account information shall include user/company name.		Derived

<b>Component</b>			<b>Source</b>
<b>Service</b>	<b>Function</b>	<b>Sub-Function Requirement</b>	
	4.2.1.023	User account information shall include mailing address.	Derived
	4.2.1.024	User account information shall include phone number.	Derived
	4.2.1.024.a	User account information shall include a fax number.	Derived
	4.2.1.024.b	User account information shall include a computer address.	Derived
	4.2.1.025	User account information shall include user list (for multiple user accounts, like a company account).	Derived
	4.2.1.026	User account information shall include credit card name(s), number(s), expiration date(s).	Derived
	4.2.1.027	User account information shall include financial institution name(s), account number(s).	Derived
	4.2.1.027.a	User account information shall include financial institution mailing address.	Derived
	4.2.1.027.b	User account information shall include a financial institution computer address.	Derived
	4.2.1.027.c	User account information shall include user account balance.	Derived
	4.2.1.027.d	Users shall be allowed to query user account information.	Derived
	4.2.1.027-e	User account information shall be validated with a financial institution via an account validation request.	Derived
	4.2.1.027.f	An account validation shall be received from a financial institution via an account validation notice.	Derived
	4.2.1.051	Incident Management (Mayday service) profile data shall include vehicle identification (eg. registration number).	USR 5.1.1.1
	4.2.1.052	Incident Management (Mayday service) profile data shall include vehicle information (eg. year, make, model, color).	USR 5.1.1.1
	4.2.1.053	Incident Management (Mayday service) profile data shall include owner information (eg. name, address, age, emergency contact name and phone number, special medical conditions).	Derived

<b>Component</b>			<b>Source</b>
<b>Service</b>	<b>Function</b>	<b>Sub-Function Requirement</b>	
	4.2.1.054	Incident Management (Mayday service) profile data shall include registered vehicle occupant(s) information (eg. name, address, age, emergency contact name and phone number, special medical conditions).	Derived
	4.2.1.055	A service profile shall be created, stored, updated, and deleted.	Derived
	4.2.1.056	A service profile shall be able to be activated and deactivated via an activation/deactivation request.	Derived
	4.2.1.057	Distribution profile data shall contain the user-specific parameters, needed to transmit information from a given service to the user, including notification device (eg.; phone, fax, computer).	Derived
	4.2.1.058	Distribution profile data shall contain notification address (eg.; phone/fax number, computer id and address).	Derived
	4.2.1.059	Distribution profile data shall contain user type (to support prioritization of delivery where applicable).	Derived
	4.2.1.059.a	A distribution profile shall be able to be activated/deactivated via an activation/deactivation request.	Derived
	4.2.1.060	Distribution profile data shall be created, stored, updated, and deleted.	Derived
	4.2.1.060.a	A profile confirmation shall be sent to each user registered for a service to confirm their registration.	Derived
	4.2.1.060.b	A profile confirmation shall be sent to each user registered for a service to verify the correctness of the information contained in their user profile.	Derived
MSU			
	4.2.2.005	Service usage data shall be collected for Incident Management (Mayday service).	Derived
	4.2.2.014	Service usage data collected for the Incident Management (Mayday service) shall include date and time of each service usage.	Derived
	4.2.2.015	Service usage data collected for the Incident Management (Mayday service) shall include service options used (eg. towing, emergency medical services, etc.)	Derived

<b>Component</b>			<b>Source</b>
<b>Service</b>	<b>Function</b>	<b>Sub-Function Requirement</b>	
	4.2.2.026	Service usage statistics shall be compiled based on analysis of service usage data over time.	Derived
	4.2.2.027	Service usage statistics shall be compiled for usage by individual account.	Derived
	4.2.2.028	Service usage statistics shall be compiled for usage levels for each service.	Derived
	4.2.2.029	Service usage statistics shall be compiled for usage for each pricing structure within a service.	Derived
	4.2.2.030	Service usage statistics shall be created, stored, updated and deleted.	Derived
<b>SBP</b>			
	4.2.3.005	Service invoices shall integrate charges for many transportation modes and services including Incident Management (Mayday Service).	USR3.1.4,3.1.4.1,3.1.4
	4.2.3.009	A service invoice shall be compiled for each user account based on the service usage data and service pricing structures.	Derived
	4.2.3.010	Third party billing (for companies or other groups of users under a single account) shall be supported.	USR2.3.3.3,3.1.1.5, 3.1
	4.2.3.011	Periodic billing (eg. monthly, quarterly, etc) shall be supported.	Sbus 56-5
	4.2.3.016	Service payments shall include payment for Incident Management (Mayday Service).	SR 3.1.4.4, GGO 13.5.2,
	4.2.3.021	Service payments shall be accepted via credit card transactions.	USR2.4.3.1,3.1.0,3.1.1
	4.2.3.023.a	Service payments shall be accepted via electronic funds transfers from financial institutions.	Derived
	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. I.2.6
	4.2.3.027	A payment confirmation shall be sent to each user.	USR 3.1.1.3
	4.2.3.029	Service payments that are insuffkient or past due shall be detected.	<b>Derived</b>
	4.2.3.030	A delinquent account notice shall be sent to users with overdue or insuffkient payments.	Derived

<b>Component</b>			<b>Source</b>
<b>Service</b>	<b>Function</b>	<b>Sub-Function Requirement</b>	
PSPS			
MPR			
	4.1.1.002	Pricing requirements shall be collected from travelers.	Derived
	4.1.1.003.a	Pricing requirements shall be collected, stored, and updated to support pricing strategy and pricing structure planning activities.	Derived
	4.1.1.004	Service usage statistics shall be assessed to determine additional requirements.	Derived
MPS			
	4.1.2.005	Pricing strategies shall be created, stored, updated and deleted.	Derived
MSPS			
	4.1.3.005	Service pricing structure(s) shall be established for Mayday Service pricing.	Derived
	4.1.3.008.a	Service pricing structure(s) that implement pricing requirements and pricing strategies shall include yearly price options.	Derived
	4.1.3.009	Service pricing structures, that implement pricing requirements and pricing strategies, shall include quarterly price options.	Derived
	4.1.3.010	Service pricing structures, that implement pricing requirements and pricing strategies, shall include monthly price options.	Derived
	4.1.3.011	Service pricing structures, that implement pricing requirements and pricing strategies, shall include per use price options.	Derived
	4.1.3.013	Service pricing structures, that implement pricing requirements and pricing strategies, shall include discounts.	Derived
	4.1.3.014	Service pricing structures, that implement pricing requirements and pricing strategies, shall include rebates.	Derived
	4.1.3.015	Service pricing structures, that implement pricing requirements and pricing strategies, shall include free trial periods.	Derived
	4.1.3.019	Service pricing structures shall be created, stored, updated and deleted.	Derived

Component			Source
Service	Function	Requirement	
<b>MIRP</b>			
<b>CRI</b>			
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
6.2.3.003	Incident reports for each incident shall be retained in an incident file.		Derived
<b>DAI</b>			
6.2.1.009	Incidents shall be detected using incident data collected from travelers.		MnE 5.1.2,USR 1.7.1.2.
6.2.1.015	Incidents shall be detected using incident data collected via alarm systems (e.g. fire, security, panic).		USR 2.4.2.2,2.4.4.2, M
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,
6.2.1.020	Incident data shall include severity.		USR 4.5.1.2
6.2.1.021	Incident data shall include time of occurrence.		USR 4.5.1.2
6.2.1.023	Upon receipt of incident data, an incident acknowledgement message shall be sent to the reporting source of the incident.		USR5.1.1.3
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
<b>IRPPR</b>			
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

<b>Component</b>			<b>Source</b>
<b>Service</b>	<b>Function</b>	<b>Sub-Function Requirement</b>	
	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
<b>MMR</b>			
	6.2.2.001	A list of authorized users of the Mayday Service shall be stored and maintained.	Derived
	6.2.2.002	Each mayday request shall be checked for proper service level authorization prior to allowing Mayday Service access.	Derived
	6.2.2.003	A mayday request shall be accepted for medical assistance.	MnE 5.1.1, USR 5.1.1.1
	6.2.2.004	A mayday request shall be accepted for highway assistance.	MnE 5.1.1, USR 5.1.1.1
	6.2.2.005	A mayday request shall be accepted for fire.	MnE 5.1.1, USR 5.1.1.1
	6.2.2.006	A mayday request shall be accepted for police.	MnE 5.1.1, USR 5.1.1.1
	6.2.2.007	A mayday request shall be able to be initiated manually.	USR 5.1.1.1
	6.2.2.008	A mayday request shall be able to be initiated automatically (i.e. without requiring user action).	USR 5.1.1.4, 5.1.2.1
	6.2.2.009	A mayday cancellation shall be accepted for any mayday request that has been manually initiated by the user.	USR 5.1.1.2
	6.2.2.010	The user profile for the Mayday Service shall contain Mayday Service profile.	Derived
	6.2.2.011	The user profile for the Mayday Service shall contain distribution profile.	Derived
	6.2.2.012	The Mayday Service profile shall contain vehicle identification (e.g. registration number).	USR 5.1.1.1
	6.2.2.013	The Mayday Service profile shall contain vehicle information (e.g. year, make, model, color).	USR 5.1.1.1
	6.2.2.014	The Mayday Service profile shall contain, owner information (e.g. name, address, age, emergency contact name and phone number, special medical conditions).	Derived
	6.2.2.015	The Mayday Service profile shall contain, frequent vehicle occupant(s) information (e.g. name, address, age, emergency contact name and phone number, special medical conditions).	Derived
	6.2.2.016	Mayday Service profiles shall be stored and maintained.	Derived

<b>Component</b>			<b>Source</b>
<b>Service</b>	<b>Function</b>	<b>Sub-Function Requirement</b>	
	6.2.2.017	Upon receipt of a mayday request or cancellation, an acknowledgement message shall be sent to the Mayday Service requestor.	USR 5.1.1.3, GGO 20.10
	6.2.2.018	A mayday acknowledgement message shall contain, verification that the request or cancellation for help has been received.	USR 5.1.1.3
	6.2.2.019	A mayday acknowledgement message shall contain, estimated time when help will arrive.	MnE 5.2,5.2.1,5.2.2
	6.2.2.020	The distribution profile shall contain the user-specific parameters needed to format and transmit a mayday acknowledgement to the user, including mayday device (e.g.; phone, other device).	Derived
	6.2.2.021	The distribution profile shall contain the user-specific parameters needed to format and transmit a mayday acknowledgement to the user, including mayday device address (e.g. phone number, device address).	Derived
	6.2.2.022	A distribution profile shall be stored and maintained.	Derived
	6.2.2.023	Service usage data shall be stored for each mayday request. (Rationale: This is required so that service features usage can be logged for billing, and so that usage levels can be monitored and analyzed.).	Derived
	6.2.2.024	Service usage data shall be forwarded to the account management service as needed to support billing.	Derived
PIR			
MRPP			
	6.1.2.001	Response plans and response procedures shall be developed based on the analysis of response requirements and incident history information.	MnA 4.5.3, MCTO 4/24/
	6.1.2.002	Response plans and response procedures shall be developed to handle each incident in a manner that minimizes response time.	USR 1.7.2, MnA 3.4.2,
	6.1.2.003	Response plans and response procedures shall be developed to handle each incident in a manner that assigns the correct personnel, vehicles and equipment.	USR 1.7.2, 1.7.3, 1.7.2.2
	6.1.2.004	Response plans and response procedures shall be developed to handle each incident in a manner that establishes a command structure to coordinate responding agencies.	USR 1.7.2, MnA 3.2.1,

<b>Component</b>			<b>Source</b>
<b>Service</b>	<b>Function</b>	<b>Sub-Function Requirement</b>	
	6.1.2.005	Response plans and response procedures shall be developed to handle each incident in a manner that minimizes time required to clear an incident.	USR 1.7.2, MnA 3.1.3
	6.1.2.006	Response plans shall define the appropriate personnel, vehicles and equipment that are needed to respond to a specific incident based on the type of incident.	USR 1.7.2, 1.7.2.2, 1.7.2
	6.1.2.007	Response plans shall define the appropriate personnel, vehicles and equipment that are needed to respond to a specific incident based on the location of incident.	USR 1.7.2, 1.7.2.2, 1.7.2
	6.1.2.008	Response plans shall define the appropriate personnel, vehicles and equipment that are needed to respond to a specific incident based on the severity of incident.	USR I 7.2, 1.7.2.2, 1.7.2
	6.1.2.009	Response procedures shall define the specific actions, including data that shall be recorded in the incident file, that need to be performed to resolve a specific type of incident.	USR 1.7.2
	6.1.2.010	Response plans and response procedures shall be developed for traffic accident incidents.	USR 1.7.2, 1.7.2.1
	6.1.2.013	Response plans and response procedures shall be developed for breakdown incidents.	USR 1.7.2, 1.7.2.1
	6.1.2.014	Response plans and response procedures shall be developed for tire incidents.	USR 1.7.2, 1.7.2.1
	6.1.2.015	Response plans and response procedures shall be developed for medical emergency incidents.	USR 1.7.2, 1.7.2.1
	6.1.2.019	Response plans and response procedures shall facilitate a coordinated response to an incident across multiple agencies and jurisdictions involving state/local police.	MnA 3.1.1,3.4.2, USR 2
	6.1.2.020	Response plans and response procedures shall facilitate a coordinated response to an incident across multiple agencies and jurisdictions involving emergency medical services.	MnA 3.1.1,3.4.2, USR 2
	6.1.2.021	Response plans and response procedures shall facilitate a coordinated response to an incident across multiple agencies and jurisdictions involving tire departments.	MnA 3.1.1,3.4.2, USR 2
	6.1.2.023	Response plans and response procedures shall facilitate a coordinated response to an incident across multiple agencies and jurisdictions involving towing services.	MnA 3.1.1,3.4.2, USR 2
	6.1.2.028	Response plans and response procedures shall be updated based on response requirements changes and improvements identified from incident history analyses.	USR 1.7.2, MCTO 4/24/
	6.1.2.029	Response plans and response procedures shall be stored and maintained.	Derived

<b>Component</b>			<b>Source</b>
<b>Service</b>	<b>Function</b>	<b>Sub-Function Requirement</b>	
	6.1.2.030	Measures of effectiveness data shall be collected to support improvements on incident management plans.	Derived
<b>MRR</b>			
	6.1.1.001	Response requirements shall be collected, stored and maintained to support incident and emergency response planning activities.	USR 4.4.5.2
	6.1.1.002	Response requirements shall reflect the needs of key stakeholder agencies (e.g. Police(including Transit Police), Fire , Emergency Medical, MnDOT, TMC, road maintenance, Highway Helper, environmental (e.g. HAZMAT teams, etc.)).	Derived
	6.1.1.003	Response requirements shall reflect the needs of counties, cities and state.	Derived
	6.1.1.004	Response requirements shall reflect the needs of travelers/citizens.	Derived
<b>Other Public Agencies</b>			
<b>AM</b>			
PSPS			
<b>MPR</b>			
	4.1.1.001	Pricing requirements shall be collected from public agencies.	Derived