

Appendix G - Service Package Mapping

ITS Architecture SERVICE PACKAGES - Turbo Architecture mapped to ARC-IT			
Turbo Architecture 7.1 Market Package		ARC-IT 8.2 Service Package	
OLD Short Name	Old Name	NEW Short Name	New Name
AD1	ITS Data Mart	DM01	ITS Data Warehouse
AD2	ITS Data Warehouse	DM01	ITS Data Warehouse
AD3	ITS Virtual Data Warehouse	DM01	ITS Data Warehouse
APTS01	Transit Vehicle Tracking	PT01	Transit Vehicle Tracking
APTS02	Transit Fixed-Route Operations	PT02	Transit Fixed-Route Operations
APTS03	Demand Response Transit Operations	PT03	Dynamic Transit Operations
APTS04	Transit Fare Collection Management	PT04	Transit Fare Collection Management
APTS05	Transit Security	PT05	Transit Security
APTS06	Transit Fleet Management	PT06	Transit Fleet Management
APTS07	Multi-modal Coordination	PT14	Multi-modal Coordination
APTS08	Transit Traveler Information	PT08	Transit Traveler Information
APTS09	Transit Signal Priority	PT09	Transit Signal Priority
APTS10	Transit Passenger Counting	PT07	Transit Passenger Counting
APTS11	Multimodal Connection Protection	PT17	Transit Connection Protection
ATIS01	Broadcast Traveler Information	TI01	Broadcast Traveler Information
ATIS02	Interactive Traveler Information	TI02	Personalized Traveler Information
ATIS03	Autonomous Route Guidance	TI03	Dynamic Route Guidance
ATIS04	Dynamic Route Guidance	TI03	Dynamic Route Guidance
ATIS05	ISP Based Trip Planning and Route Guidance	TI04	Infrastructure-Provided Trip Planning and Route Guidance
ATIS06	Transportation Operations Data Sharing	SU03	Data Distribution
ATIS07	Travel Services Information and Reservation	TI05	Travel Services Information and Reservation
ATIS08	Dynamic Ridesharing	TI06	Dynamic Ridesharing and Shared Use Transportation
ATIS09	In Vehicle Signing	TI07	In-Vehicle Signage
		VS05	Curve Speed Warning
		VS09	Reduced Speed Zone Warning / Lane Closure
		VS10	Restricted Lane Warnings
ATIS10	Short Range Communications Traveler Information	TI01	Broadcast Traveler Information
ATMS01	Network Surveillance	TM01	Infrastructure-Based Traffic Surveillance
ATMS02	Traffic Probe Surveillance	TM02	Vehicle-Based Traffic Surveillance
ATMS03	Traffic Signal Control	TM03	Traffic Signal Control
ATMS04	Traffic Metering	TM05	Traffic Metering
ATMS05	HOV Lane Management	ST06	HOV/HOT Lane Management
ATMS06	Traffic Information Dissemination	TM06	Traffic Information Dissemination
ATMS07	Regional Traffic Management	TM07	Regional Traffic Management

ITS Architecture SERVICE PACKAGES - Turbo Version mapped to ARC-IT Version			
Turbo Architecture 7.1 Market Package		ARC-IT 8.0 Service Package	
OLD Short Name	Old Name	NEW Short Name	New Name
ATMS08	Traffic Incident Management System	TM08	Traffic Incident Management System
ATMS09	Transportation Decision Support and Demand Management	TM09	Integrated Decision Support and Demand Management
ATMS10	Electronic Toll Collection	PT18	Integrated Multi-Modal Electronic Payment
		TM10	Electronic Toll Collection
ATMS11	Emissions Monitoring and Management	ST01	Emissions Monitoring
ATMS12	Roadside Lighting System Control	ST04	Roadside Lighting
ATMS13	Standard Railroad Grade Crossing	TM13	Standard Railroad Grade Crossing
ATMS14	Advanced Railroad Grade Crossing	TM14	Advanced Railroad Grade Crossing
ATMS15	Railroad Operations Coordination	TM15	Railroad Operations Coordination
ATMS16	Parking Facility Management	PM01	Parking Space Management
		PM03	Parking Electronic Payment
ATMS17	Regional Parking Management	PM04	Regional Parking Management
ATMS18	Reversible Lane Management	TM16	Reversible Lane Management
ATMS19	Speed Warning and Enforcement	TM17	Speed Warning and Enforcement
ATMS20	Drawbridge Management	TM18	Drawbridge Management
ATMS21	Roadway Closure Management	TM19	Roadway Closure Management
ATMS22	Variable Speed Limits	TM20	Variable Speed Limits
ATMS23	Dynamic Lane Management and Shoulder Use	TM22	Dynamic Lane Management and Shoulder Use
ATMS24	Dynamic Roadway Warning	TM12	Dynamic Roadway Warning
ATMS25	VMT Road User Payment	PT18	Integrated Multi-Modal Electronic Payment
		TM11	Road Use Charging
ATMS26	Mixed Use Warning Systems	VS12	Pedestrian and Cyclist Safety
AVSS01	Vehicle Safety Monitoring	VS01	Autonomous Vehicle Safety Systems
AVSS02	Driver Safety Monitoring	VS01	Autonomous Vehicle Safety Systems
AVSS03	Longitudinal Safety Warning	VS01	Autonomous Vehicle Safety Systems
AVSS04	Lateral Safety Warning	VS01	Autonomous Vehicle Safety Systems
AVSS05	Intersection Safety Warning	VS13	Intersection Safety Warning and Collision Avoidance
AVSS06	Pre-Crash Restraint Deployment	VS01	Autonomous Vehicle Safety Systems
		VS02	V2V Basic Safety
AVSS07	Driver Visibility Improvement	VS01	Autonomous Vehicle Safety Systems
AVSS08	Advanced Vehicle Longitudinal Control	VS14	Cooperative Adaptive Cruise Control
AVSS09	Advanced Vehicle Lateral Control	VS01	Autonomous Vehicle Safety Systems

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Turbo Architecture 7.1 Market Package		ARC-IT 8.0 Service Package	
OLD Short Name	Old Name	NEW Short Name	New Name
AVSS10	Intersection Collision Avoidance	VS15	Infrastructure Enhanced Cooperative Adaptive Cruise Control
AVSS11	Automated Vehicle Operations	VS16	Automated Vehicle Operations
AVSS12	Cooperative Vehicle Safety Systems	MC07	Work Zone Safety Monitoring
		PS05	Vehicle Emergency Response
		VS02	V2V Basic Safety
		VS03	V2V Situational Awareness
		VS04	V2V Special Vehicle Alert
		VS05	Curve Speed Warning
		VS06	Stop Sign Gap Assist
		VS09	Reduced Speed Zone Warning / Lane Closure
		VS10	Restricted Lane Warnings
		VS11	Oversize Vehicle Warning
		VS13	Intersection Safety Warning and Collision Avoidance
WX03	Spot Weather Impact Warning		
CVO01	Carrier Operations and Fleet Management	CVO01	Carrier Operations and Fleet Management
CVO02	Freight Administration	CVO02	Freight Administration
CVO03	Electronic Clearance	CVO03	Electronic Clearance
CVO04	CV Administrative Processes	CVO04	CV Administrative Processes
CVO05	International Border Electronic Clearance	CVO05	International Border Electronic Clearance
CVO06	Weigh-In-Motion	CVO03	Electronic Clearance
CVO07	Roadside CVO Safety	CVO07	Roadside CVO Safety
CVO08	On-board CVO Safety	CVO07	Roadside CVO Safety
		CVO08	Smart Roadside and Virtual WIM
CVO09	CVO Fleet Maintenance	CVO01	Carrier Operations and Fleet Management
CVO10	HAZMAT Management	CVO12	HAZMAT Management
CVO11	Roadside HAZMAT Security Detection and Mitigation	CVO13	Roadside HAZMAT Security Detection and Mitigation
CVO12	CV Driver Security Authentication	CVO14	CV Driver Security Authentication
CVO13	Freight Assignment Tracking	CVO15	Fleet and Freight Security
EM01	Emergency Call-Taking and Dispatch	PS01	Emergency Call-Taking and Dispatch

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Turbo Architecture 7.1 Market Package		ARC-IT 8.0 Service Package	
OLD Short Name	Old Name	NEW Short Name	New Name
EM02	Emergency Routing	PS02	Routing Support for Emergency Responders
		PS03	Emergency Vehicle Preemption
		VS04	V2V Special Vehicle Alert
EM03	Mayday and Alarms Support	PS04	Mayday Notification
EM04	Roadway Service Patrols	PS08	Roadway Service Patrols
EM05	Transportation Infrastructure Protection	PS09	Transportation Infrastructure Protection
EM06	Wide-Area Alert	PS10	Wide-Area Alert
EM07	Early Warning System	PS11	Early Warning System
EM08	Disaster Response and Recovery	PS12	Disaster Response and Recovery
EM09	Evacuation and Reentry Management	PS13	Evacuation and Reentry Management
EM10	Disaster Traveler Information	PS14	Disaster Traveler Information
MC01	Maintenance and Construction Vehicle and Equipment Tracking	MC01	Maintenance and Construction Vehicle and Equipment Tracking
MC02	Maintenance and Construction Vehicle Maintenance	MC02	Maintenance and Construction Vehicle Maintenance
MC03	Road Weather Data Collection	WX01	Weather Data Collection
MC04	Weather Information Processing and Distribution	WX02	Weather Information Processing and Distribution
MC05	Roadway Automated Treatment	MC03	Roadway Automated Treatment
MC06	Winter Maintenance	MC04	Winter Maintenance
MC07	Roadway Maintenance and Construction	MC05	Roadway Maintenance and Construction
MC08	Work Zone Management	MC06	Work Zone Management
MC09	Work Zone Safety Monitoring	MC07	Work Zone Safety Monitoring
MC10	Maintenance and Construction Activity Coordination	MC08	Maintenance and Construction Activity Coordination
MC11	Environmental Probe Surveillance	WX01	Weather Data Collection
MC12	Infrastructure Monitoring	MC09	Infrastructure Monitoring