

ANNEX 7 - Selected Physical Data Flows

Physical Data Flow	Parent	Target	Functional Data Flow	Source	Destination	Description
P03001	Ambient Environment	Meteo Data Source	fae-weather_inputs	ae	3.4.1	It contains analogue data about the weather that may be general and apply to the geographic area served by the System, or be from individual points at or near the road network. As a minimum the analogue data shall enable determination of temperature, plus wind speed and direction.
P03002	Ambient Environment	Environmental Station Sata Source	pshvs_mt_urban_critical	ae	3.4.2	It contains analogue data about the atmospheric pollution that may be general and apply to the geographic area served by the System, or be from individual points at or near the road network.
P03003	Ambient Environment	On-board Environmental Monitoring Unit	fae-local_vehicle_atmospheric_conditions	ae	5.15.1.4	It contains analogue data from which the environmental conditions local to the vehicle can be determined.
P03004	Ambient Environment	Data Sources Layer	pshvs_mt_urban_critical	ae	3.4.2	It contains analogue data about the atmospheric pollution that may be general and apply to the geographic area served by the System, or be from individual points at or near the road network.
P03004	Ambient Environment	Data Sources Layer	fae-weather_inputs	ae	3.4.1	It contains analogue data about the weather that may be general and apply to the geographic area served by the System, or be from individual points at or near the road network. As a minimum the analogue data shall enable determination of temperature, plus wind speed and direction.
P03005	Ambient Environment	Mobile probe system	fae-local_vehicle_atmospheric_conditions	ae	5.15.1.4	It contains analogue data from which the environmental conditions local to the vehicle can be determined.
P03006	Driver	Human Machine Interface	fd-request_relevant_incident_information	d	5.16.2	It contains a request from the Driver for the output of information about an incident that is relevant to the current location o the Vehicle.
P03007	Driver	Mobile probe system	fd-request_relevant_incident_information	d	5.16.2	It contains a request from the Driver for the output of information about an incident that is relevant to the current location o the Vehicle.
P03008	Broadcaster	Public Channels Front-End	fesp.b-inter-urban_traffic_information_request	esp.b	3.1.2.9	It contains a request from the Broadcaster for the output of traffic data for the inter-urban road network that is currently stored by the System.
P03008	Broadcaster	Public Channels Front-End	fesp.b-request_current_incident_strategies	esp.b	3.2.9	It contains a request from the Broadcaster for a repeat output of the incident strategies currently in use.
P03008	Broadcaster	Public Channels Front-End	fesp.b-request_incident_data	esp.b	3.2.9	It contains a request from the Broadcaster for details of current and foreseen incidents including events.
P03008	Broadcaster	Public Channels Front-End	fesp.b-urban_traffic_information_request	esp.b	3.1.1.9	It contains a request from the Broadcaster for the output of traffic data for the urban road network that is currently stored by the System.
P03009	Broadcaster	Front-ends Layer	fesp.b-inter-urban_traffic_information_request	esp.b	3.1.2.9	It contains a request from the Broadcaster for the output of traffic data for the inter-urban road network that is currently stored by the System.
P03009	Broadcaster	Front-ends Layer	fesp.b-request_current_incident_strategies	esp.b	3.2.9	It contains a request from the Broadcaster for a repeat output of the incident strategies currently in use.
P03009	Broadcaster	Front-ends Layer	fesp.b-request_incident_data	esp.b	3.2.9	It contains a request from the Broadcaster for details of current and foreseen incidents including events.
P03009	Broadcaster	Front-ends Layer	fesp.b-urban_traffic_information_request	esp.b	3.1.1.9	It contains a request from the Broadcaster for the output of traffic data for the urban road network that is currently stored by the System.
P03010	Geographic Information Provider	Data Center Collector	fesp.g-inter-urban_static_road_data	esp.g	3.1.2.6	It contains static data about the inter-urban road network provided by a digital map data provider that is to be loaded into the Data Store D3.8.
P03011	Geographic Information Provider	Database	fesp.g-urban_static_road_data	esp.g	3.1.1.6	It contains static data about the urban road network provided by a digital map data provider that is to be loaded into the Data Store D3.7.
P03012	Geographic Information Provider	On-board Telematic Unit	fesp.g-data_for_road_information	esp.g	5.13.6	It contains geographic data from which, given a set of co-ordinates, the current Vehicle location can be identified.
P03013	Geographic Information Provider	Data Center Layer	fesp.g-inter-urban_static_road_data	esp.g	3.1.2.6	It contains static data about the inter-urban road network provided by a digital map data provider that is to be loaded into the Data Store D3.8.
P03013	Geographic Information Provider	Data Center Layer	fesp.g-urban_static_road_data	esp.g	3.1.1.6	It contains static data about the urban road network provided by a digital map data provider that is to be loaded into the Data Store D3.7.
P03014	Geographic Information Provider	Mobile probe system	fesp.g-data_for_road_information	esp.g	5.13.6	It contains geographic data from which, given a set of co-ordinates, the current Vehicle location can be identified.
P03015	Geographic Information Provider	RTTI application	fesp.g-map_data_for_travel_information	esp.g	6.6.1	It contains digital data from which maps can be produced on which the travel information can be displayed.
P03015	Geographic Information Provider	RTTI application	fesp.g-trip_plan_implementation_map_data	esp.g	6.3.10	It contains digital map data for use in the implementation of a trip plan by a Traveller.
P03016	General Information Provider	RTTI application	fesp.gip-poi_information	esp.gip	6.5.3.9	It contains information, such as their location, opening times, price of service, nearest transport service points, access information, etc. about Points of Interest" (e.g. monuments
P03016	General Information Provider	RTTI application	fesp.gip-ps_information	esp.gip	6.5.3.9	It contains information such as location, opening times, services that are provided, prices, etc. about Personal Services" (e.g. doctor
P03017	Multi-Modal Travel Information Provider	RTTI application	fesp.mmtip-requested_travel_information	esp.mmtip	6.5.3.9	It contains previously requested information about a journey involving the use of transport modes other than the private car, or a road-based freight vehicle.
P03018	Planned Event Organiser	Elaboration Tasks	fesp.peo_event_data	esp.peo	3.2.13	It contains details of a planned event that will have an impact on operation of the road network or any road related transport services.
P03019	Planned Event Organiser	Data Center Layer	fesp.peo_event_data	esp.peo	3.2.13	It contains details of a planned event that will have an impact on operation of the road network or any road related transport services.
P03020	Traffic and Travel Information Provider	Public Channels Front-End	fesp.ttip-request_current_incident_strategies	esp.ttip	3.2.9	It contains a request from the Traffic and Travel Information Provider for a repeat output of the incident strategies currently in use.
P03020	Traffic and Travel Information Provider	Public Channels Front-End	fesp.ttip-request_incident_data	esp.ttip	3.2.9	It contains a request from the Traffic and Travel Information Provider for details of current and foreseen incidents including events.
P03021	Traffic and Travel Information Provider	Front-ends Layer	fesp.ttip-request_current_incident_strategies	esp.ttip	3.2.9	It contains a request from the Traffic and Travel Information Provider for a repeat output of the incident strategies currently in use.
P03021	Traffic and Travel Information Provider	Front-ends Layer	fesp.ttip-request_incident_data	esp.ttip	3.2.9	It contains a request from the Traffic and Travel Information Provider for details of current and foreseen incidents including events.
P03022	Location Data Source	Public Channels Front-End	flds-location_data_for_incident_warnings	lds	3.2.14	It contains data from which the location can be determined so that details about incidents can be filtered to enable only those warnings that are relevant for the local area are sent to Vehicles.
P03023	Location Data Source	Front-ends Layer	flds-location_data_for_incident_warnings	lds	3.2.14	It contains data from which the location can be determined so that details about incidents can be filtered to enable only those warnings that are relevant for the local area are sent to Vehicles.

P03024	Location Data Source	RTTI application	flds-ptja_location_for_information	lds	6.6.1	It contains data from a device used by a Traveller that can calculate its geographic position and hence provide the position of the Traveller.
P03024	Location Data Source	RTTI application	flds-ptja_traveller_location	lds	6.3.10	It contains analogue or digital data from which functionality can determine the current location of a Traveller for implementing a trip plan.
P03025	Multi-Modal Management System	User Data Source	fmms.mms-rail_service_information	mms.mmms	3.3.1	It contains information about rail services that are relevant to travellers using the road network. The rail services will be those other than Trams or Light Rail networks.
P03026	Multi-Modal Management System	Data Sources Layer	fmms.mms-rail_service_information	mms.mmms	3.3.1	It contains information about rail services that are relevant to travellers using the road network. The rail services will be those other than Trams or Light Rail networks.
P03027	Road Maintenance Organisation	Pre Elaboration Tasks	fmo.rmo-equipment_maintenance_activity_update	mo.rmo	3.5.12	It contains input from the Maintenance Organisation showing the current status of equipment maintenance activities that it has been requested to carry out.
P03028	Road Maintenance Organisation	Data Center Layer	fmo.rmo-equipment_maintenance_activity_update	mo.rmo	3.5.12	It contains input from the Maintenance Organisation showing the current status of equipment maintenance activities that it has been requested to carry out.
P03029	Vehicle Data Source	Elaboration Tasks	mt_inter-urban_xfcd_for_incident_detection	3.1.2.8	3.2.12	It contains vehicle status data for improved incident detection collected from those Vehicles using the inter-urban road network.
P03029	Vehicle Data Source	Elaboration Tasks	mt_urban_xfcd_for_incident_detection	3.1.1.8	3.2.12	It contains vehicle status data for improved incident detection collected from those Vehicles using the urban road network.
P03030	Vehicle Data Source	Data Center Layer	mt_inter-urban_xfcd_for_incident_detection	3.1.2.8	3.2.12	It contains vehicle status data for improved incident detection collected from those Vehicles using the inter-urban road network.
P03030	Vehicle Data Source	Data Center Layer	mt_urban_xfcd_for_incident_detection	3.1.1.8	3.2.12	It contains vehicle status data for improved incident detection collected from those Vehicles using the urban road network.
P03031	Meteo Data Source	Database	mt_weather_condition_data_inputs	3.4.1	3.4.8	It contains data about weather conditions in the geographic area managed by the System. This data will be in two parts, one for current data and the other for forecast data. Sensors that are part of another Function in the Manage Traffic Area will have collected the current data. The forecast data will have been obtained from a specialist system through a terminator.
P03032	Meteo Data Source	Data Center Layer	mt_weather_condition_data_inputs	3.4.1	3.4.8	It contains data about weather conditions in the geographic area managed by the System. This data will be in two parts, one for current data and the other for forecast data. Sensors that are part of another Function in the Manage Traffic Area will have collected the current data. The forecast data will have been obtained from a specialist system through a terminator.
P03033	Traffic Station Data Source	User Data Source	mt_inter-urban_current_traffic_data_for_demand	3.1.2.10	3.3.1	It contains data about traffic that is flowing through the inter-urban road network. This data may include, but not be limited to traffic flow, occupancy, queues, speeds, etc.
P03033	Traffic Station Data Source	User Data Source	mt_urban_current_traffic_data_for_demand	3.1.1.10	3.3.1	It contains data about traffic that is flowing through the urban road network. This data may include, but not be limited to traffic flow, occupancy, queues, speeds, etc.
P03034	Traffic Station Data Source	Elaboration Tasks	mt_inter-urban_traffic_data_for_incident_detection	3.1.2.10	3.2.12	It contains raw traffic data from points in the inter-urban road network that can be analysed to see if an incident has occurred.
P03034	Traffic Station Data Source	Elaboration Tasks	mt_urban_traffic_data_for_incident_detection	3.1.1.10	3.2.12	It contains raw traffic data from points in the urban road network that can be analysed to see if an incident has occurred.
P03035	Traffic Station Data Source	Data Center Layer	mt_inter-urban_traffic_data_for_incident_detection	3.1.2.10	3.2.12	It contains raw traffic data from points in the inter-urban road network that can be analysed to see if an incident has occurred.
P03035	Traffic Station Data Source	Data Center Layer	mt_urban_traffic_data_for_incident_detection	3.1.1.10	3.2.12	It contains raw traffic data from points in the urban road network that can be analysed to see if an incident has occurred.
P03036	Parking Data Source	Elaboration Tasks	mt_service_area_entrance_exit_vehicle_detection	3.1.5.1	3.1.5.2	It contains an indication that a vehicle has entered or left a service area.
P03037	Parking Data Source	Data Center Layer	mt_service_area_entrance_exit_vehicle_detection	3.1.5.1	3.1.5.2	It contains an indication that a vehicle has entered or left a service area.
P03038	Environmental Station Sata Source	Database	mt_atmospheric_pollution_data_inputs	3.4.2	3.4.8	It contains data about atmospheric pollution in the geographic area managed by the System. Sensors that are part of another Function in the Manage Traffic Area will have collected this data.
P03039	Environmental Station Sata Source	Data Center Layer	mt_atmospheric_pollution_data_inputs	3.4.2	3.4.8	It contains data about atmospheric pollution in the geographic area managed by the System. Sensors that are part of another Function in the Manage Traffic Area will have collected this data.
P03040	User Data Source	Database	mt_updated_demand_data	3.3.1	3.3.9	It contains data received from other parts of the Manage Traffic Area, other Areas of the System, or the Weather Service terminator. This data will be stored for future use by other Functions in this group.
P03041	User Data Source	Data Center Layer	mt_updated_demand_data	3.3.1	3.3.9	It contains data received from other parts of the Manage Traffic Area, other Areas of the System, or the Weather Service terminator. This data will be stored for future use by other Functions in this group.
P03042	Data Center Collector	User Data Source	mt_urban_traffic_data_for_demand	3.1.1.14	3.3.1	It contains data about the current and predicted traffic conditions in the urban road network. This data will be used in the selection of the appropriate demand management strategy to optimise the use of the urban road network.
P03043	Data Center Collector	Database	mt_load_urban_traffic_data	3.1.1.14	D3.13	It contains data that is being loaded into the Urban Traffic Data Store (D3.1).
P03043	Data Center Collector	Database	mt_urban_to_inter-urban_traffic_data_transfers	3.1.1.14	3.1.2.16	It contains data about traffic using the urban road network that is being sent for inclusion in the store of data available the Functions serving the inter-urban road network.
P03044	Data Center Collector	Pre Elaboration Tasks	mt_urban_data_for_traffic_predictions	3.1.1.14	3.1.6.2	It contains current and historic traffic data for use in the calculation of predicted traffic data.
P03045	Data Center Collector	Post Elaboration Tasks	mt_urban_traffic_data_for_incidents	3.1.1.14	3.2.6	It contains data about the current traffic conditions in the urban road network that will be used in the decision process for the selection of the appropriate management strategy to mitigate an incident.
P03046	Data Center Collector	Urban Traffic Management System	tors.utms-urban_data_updates	3.1.1.14	ors.utms	It contains data that is being transferred to another System. This data flow contains data about the way in which traffic is using the urban road network served by this System.
P03047	Data Center Collector	Data Sources Layer	mt_urban_traffic_data_for_demand	3.1.1.14	3.3.1	It contains data about the current and predicted traffic conditions in the urban road network. This data will be used in the selection of the appropriate demand management strategy to optimise the use of the urban road network.
P03048	Data Center Collector	RTTI application	mt-ptja_inter-urban_road_network_data	3.1.2.6	6.5.3.8	It contains static data about the inter-urban road network for use in trip plan preparation.
P03049	Database	Geographic Information Provider	tesp.g-updated_urban_data_for_maps	3.1.1.11	esp.g	It contains updated static speed limits, structural alterations and default journey times for the urban road network that are to be implemented in the digital map content that is provided in the future.
P03050	Database	User Data Source	mt_inter-urban_traffic_data_for_demand	3.1.2.16	3.3.1	It contains data about the current and predicted traffic conditions in the inter-urban road network. This data will be used in the selection of the appropriate demand management strategy to optimise the use of the inter-urban road network.
P03051	Database	Data Center Collector	mt_inter-urban_to_urban_traffic_data_transfers	3.1.2.16	3.1.1.14	It contains data about traffic using the inter-urban road network that is being sent for inclusion in the store of data available the Functions serving the urban road network.

P03051	Database	Data Center Collector	mt_read_urban_traffic_data	D3.13	3.1.1.14	It contains data that has been read from the Urban Traffic Data Store (D3.1).
P03052	Database	Pre Elaboration Tasks	mt_inter-urban_data_for_traffic_predictions	3.1.2.16	3.1.6.2	It contains traffic data for use in the prediction of traffic conditions in the inter-urban road network.
P03053	Database	Elaboration Tasks	mt_requested_current_inter-urban_traffic_data	3.1.2.16	3.1.2.15	It contains the requested copy of the current traffic data for the inter-urban road network to be used in the creation of short and medium term predictions for inter-urban traffic data.
P03053	Database	Elaboration Tasks	mt_roadworks_information_for_incident_management	3.5.8	3.2.13	It contains information about roadworks that are taking place within the road network and is for use in managing their impact through incident management.
P03054	Database	Post Elaboration Tasks	mt_demand_data_for_checking	3.3.9	3.3.6	It contains a previously requested demand strategy, or revised data about the use of transport modes following the implementation of a strategy.
P03054	Database	Post Elaboration Tasks	mt_demand_strataegy_for_implementation	3.3.9	3.3.7	It contains details of the demand management strategy that is to be implemented.
P03054	Database	Post Elaboration Tasks	mt_environmental_conditions_operator_responses	3.4.8	3.4.7	It contains the responses to requests previously input by the Operator. As a minimum, these responses will contain data from the Environmental Data Store, but they may also contain indications that a particular action has been performed.
P03054	Database	Post Elaboration Tasks	mt_environmental_data_for_analysis	3.4.8	3.4.11	It contains current and predicted environmental data from the Environmental Data Store that is to be analysed by the Determine Environmental Actions Function.
P03054	Database	Post Elaboration Tasks	mt_incident_data_for_assessment	3.2.10	3.2.6	It contains data about incidents that has been retrieved from the Incident Data Store (D3.7) and is for assessment.
P03054	Database	Post Elaboration Tasks	mt_inter-urban_traffic_data_for_incidents	3.1.2.16	3.2.6	It contains data about the current traffic conditions in the inter-urban road network that will be used in the decision process for the selection of the appropriate management strategy to mitigate an incident.
P03054	Database	Post Elaboration Tasks	mt_read_incident_strategies	D3.12	3.2.6	It contains one or more incident strategies that have been read from the Data Store.
P03054	Database	Post Elaboration Tasks	mt_requested_demand_data_for_analysis	3.3.9	3.3.10	It contains the previously requested collected data about the demand for the use of the road network from the Demand Data Store.
P03054	Database	Post Elaboration Tasks	mt_urban_roads_legal_speeds	3.1.1.6	3.1.1.5.18	It contains the legal speed limits for each section of the urban road network for use in setting recommended speeds.
P03055	Database	Public Channels Front-End	mt_requested_incident_data	3.2.10	3.2.9	It contains the requested current data about incidents and events for output to the Broadcaster and/or Traffic and Travel Information Provider.
P03056	Database	Inter-urban Traffic Management System	tors.iutms-inter-urban_data_updates	3.1.2.16	ors.iutms	It contains data that is being transferred to another System. This data flow contains data about the way in which traffic is using the inter-urban road network served by this System.
P03057	Database	Data Sources Layer	mt_inter-urban_traffic_data_for_demand	3.1.2.16	3.3.1	It contains data about the current and predicted traffic conditions in the inter-urban road network. This data will be used in the selection of the appropriate demand management strategy to optimise the use of the inter-urban road network.
P03058	Database	Front-ends Layer	mt_requested_incident_data	3.2.10	3.2.9	It contains the requested current data about incidents and events for output to the Broadcaster and/or Traffic and Travel Information Provider.
P03059	Database	RTTI application	mt.ptja_urban_road_network_data	3.1.1.6	6.5.3.8	It contains static data about the urban road network for use in trip plan preparation.
P03059	Database	RTTI application	ptja_read_road_trip_planning_data	D6.3	6.5.3.7	It contains data that is being read from the Road Trip Planning Data Store and is for use by the Traveller Information Operator.
P03059	Database	RTTI application	ptja_retrieve_ffm_route_planning_data	D6.3	6.5.3.13	It contains data about the road network and its forecast conditions that is being retrieved from the Road Trip Planning Data Store for use in planning a route for a freight vehicle.
P03059	Database	RTTI application	ptja_retrieve_road_situation_data	D6.3	6.5.3.13	It contains data about the road network and its forecast conditions that is being retrieved from the Road Trip Planning Data Store for use in providing information for Freight and Fleet Management.
P03059	Database	RTTI application	ptja_retrieve_road_trip_planning_data	D6.3	6.5.3.9	It contains data about the road network and its forecast conditions that is being retrieved from the Road Trip Planning Data Store for use in planning a Traveller's trip.
P03059	Database	RTTI application	ptja_road_data_for_travel_information	D6.3	6.5.3.10	It contains data from the Road Trip Planning Data Store that may be used to provide travel information to Travellers.
P03060	Pre Elaboration Tasks	Road Maintenance Organisation	tmo.rmo-equipment_tasks	3.5.12	mo.rmo	It contains requests for the Organisation to carry out specific items of maintenance and repair work to equipment connected with outputs from the System
P03061	Elaboration Tasks	User Data Source	mt_carpark_occupancy_for_demand_management	3.1.4.4	3.3.1	It contains data about the occupancy of car parks within the urban road network that is to be used by the demand management group of Functions.
P03061	Elaboration Tasks	User Data Source	mt_service_area_occupancies_for_demand_management	3.1.5.2	3.3.1	It contains data about the current occupancies of service areas in the inter-urban road network that are to be used by the demand management group of Functions. The term service area" is generic in that it may also include locations where only freight and/or Public Transport vehicles are parked whilst in transit through the inter-urban road network."
P03062	Elaboration Tasks	Database	mt_new_incident_data	3.2.13	3.2.10	It contains data about a new incident that has been notified to the system by any one of a number of sources. The data is being sent to the incident store management Function for loading into the Data Store.
P03062	Elaboration Tasks	Database	mt_request_current_inter-urban_traffic_data	3.1.2.15	3.1.2.16	It contains a request for a copy of the current traffic data for the inter-urban road network.
P03062	Elaboration Tasks	Database	mt_service_area_occupancy_for_store	3.1.5.2	3.1.2.16	It contains data about the occupancy of service areas within the inter-urban road network that is to be included in the store of traffic data that is available for use by other Functions serving the inter-urban road network.
P03062	Elaboration Tasks	Database	mt_service_area_status_for_store	3.1.5.2	3.1.2.16	It contains the identities and details of the current status of the service areas in the inter-urban road network. The identities of the service areas whose data is included will be set by the source functionality.
P03062	Elaboration Tasks	Database	mt_short_&_medium_predicted_inter-urban_traffic	3.1.2.15	3.1.2.16	It contains short and medium term predictions of the traffic data for the inter-urban road network that have just been created.
P03063	Elaboration Tasks	Public Channels Front-End	mt_carpark_occupancy_for_inter-urban	3.1.4.4	3.1.5.3	It contains the identities and details of the current number of spaces (or occupancy) and/or the status of some of the car parks in the urban road network. The identities of the car parks whose data is included will be set by the source functionality.
P03064	Elaboration Tasks	Data Sources Layer	mt_carpark_occupancy_for_demand_management	3.1.4.4	3.3.1	It contains data about the occupancy of car parks within the urban road network that is to be used by the demand management group of Functions.
P03064	Elaboration Tasks	Data Sources Layer	mt_service_area_occupancies_for_demand_management	3.1.5.2	3.3.1	It contains data about the current occupancies of service areas in the inter-urban road network that are to be used by the demand management group of Functions. The term service area" is generic in that it may also include locations where only freight and/or Public Transport vehicles are parked whilst in transit through the inter-urban road network."
P03065	Elaboration Tasks	Front-ends Layer	mt_carpark_occupancy_for_inter-urban	3.1.4.4	3.1.5.3	It contains the identities and details of the current number of spaces (or occupancy) and/or the status of some of the car parks in the urban road network. The identities of the car parks whose data is included will be set by the source functionality.
P03066	Elaboration Tasks	RTTI application	mt.ptja_carpark_occupancy	3.1.4.4	6.5.3.8	It contains the current car park occupancies, necessary for trip planning.
P03067	Post Elaboration Tasks	Broadcaster	tesp.b-demand_data	3.3.7	esp.b	It contains data about the current state of any demand management strategies that have been implemented.

P03068	Post Elaboration Tasks	Traffic and Travel Information Provider	tesp.ttip-demand_data	3.3.7	esp.ttip	It contains data about the current state of any demand management strategies that have been implemented.
P03068	Post Elaboration Tasks	Traffic and Travel Information Provider	tesp.ttip-weather_conditions_information	3.4.11	esp.ttip	It contains data about weather conditions that are affecting the road network served by the System. This data is for use by the Service Provider as part of its information output to Travellers.
P03068	Post Elaboration Tasks	Traffic and Travel Information Provider	tesp.ttip_forecast_traffic_conditions_data	3.1.6.6	esp.ttip	It contains data about the forecast traffic conditions that are predicted to affect the road network served by the System. This data is for use by the Service Provider to use in the information it outputs to Travellers and to create a model of current and anticipated traffic conditions.
P03069	Post Elaboration Tasks	User Data Source	mt_demand_management_environmental_data	3.4.11	3.3.1	It contains details of current, historical and predicted environmental conditions for the geographic area managed by the System. This data will be used in the management of demand from travellers for different modes of transport.
P03070	Post Elaboration Tasks	Data Center Collector	mt_urban_traffic_long-term_prediction_data	3.1.6.6	3.1.1.14	It contains predictions of the traffic conditions based on the results of a simulation model. This data is to be loaded into the traffic data Store and shall comprise long-term predicts of vehicle flow, vehicle speed, vehicle headway and road occupancy.
P03071	Post Elaboration Tasks	Database	mt_demand_management_strategy_commands	3.3.5	3.3.9	It contains a request for the implementation of a demand management strategy.
P03071	Post Elaboration Tasks	Database	mt_demand_strategy_data_update	3.3.5	3.3.9	It contains updates to the static data used to develop demand management strategies. This data will provide rules" for the strategy development. The "rules" may include but not be limited to such things as the criteria for switching modes
P03071	Post Elaboration Tasks	Database	mt_environmental_conditions_operator_requests	3.4.7	3.4.8	It contains requests that have been input by the Road Network Operator. These requests may be for all or part of the Environmental Data Store to be output (optionally including, data analysis), data to be sent to other Functions in the Manage Traffic Area, or to other Areas and Systems, or to the environmental conditions prediction Function. Other requests can be received that contain data or that affect the management of the Data Store itself.
P03071	Post Elaboration Tasks	Database	mt_inter-urban_strategies_in_use	3.1.2.13.5	3.1.6.4	It contains details of the traffic management strategies that are currently in use in the inter-urban road network. This data is for association with collected traffic flow data so that the impact of implementing particular strategies can be assessed.
P03071	Post Elaboration Tasks	Database	mt_inter-urban_traffic_long-term_prediction_data	3.1.6.6	3.1.2.16	It contains data that provides predictions of traffic in the inter-urban road network, and is for loading into the Inter-urban Traffic Data Store (D3.2).
P03071	Post Elaboration Tasks	Database	mt_load_incident_strategies	3.2.6	D3.12	It contains an incident strategy that is to be loaded into the Data Store.
P03071	Post Elaboration Tasks	Database	mt_request_demand_data_for_analysis	3.3.10	3.3.9	It contains a request for collected data about the demand for the use of the road network to be provided from the Demand Data Store.
P03071	Post Elaboration Tasks	Database	mt_request_demand_strategy	3.3.6	3.3.9	It contains either a request for a suitable demand management strategy that could be implemented, or the strategy that is to be used following an analysis of the data.
P03071	Post Elaboration Tasks	Database	mt_request_environmental_data_analysis	3.4.7	3.4.8	It contains a request from the Road Network Operator that current and predicted data is extracted from the Environmental Data Store and sent to the Determine Environmental Actions Function for analysis.
P03071	Post Elaboration Tasks	Database	mt_request_for_stored_incident_data	3.2.6	3.2.10	It contains a request for incident data to be read from the Incident Data Store (D 3.7) so that it can be assessed.
P03071	Post Elaboration Tasks	Database	mt_updated_incident_data	3.2.6	3.2.10	It contains incident data that is to be re-loaded into the Incident Data Store (D3.7) following its assessment.
P03071	Post Elaboration Tasks	Database	mt_updatred_urban_speed_limits	3.1.1.5.18	3.1.1.11	It contains updates to the current speed limits for segments in the urban road network that are to be sent to the digital map data provider.
P03071	Post Elaboration Tasks	Database	mt_urban_strategies_in_use	3.1.1.5.24	3.1.6.4	It contains details of the traffic management strategies that are currently in use in the urban road network. This data can be associated with traffic data so that the impact of particular strategies can be assessed.
P03072	Post Elaboration Tasks	Pre Elaboration Tasks	mt_urban_response_fault	3.1.1.5.24	3.5.12	It contains data indicating that an item of urban roadside equipment is not operating in the way that it is expected, either on its own, or as a result of commands being sent to it. This expectation of what constitutes proper operation" will be based on the data about the roadside equipment that is included in the data store of Urban Road Static Data."
P03073	Post Elaboration Tasks	Elaboration Tasks	mt_environmental_incident_inputs	3.4.11	3.2.13	It contains details of an environmental condition that constitutes an incident. Examples would be a particular type of pollution that would be dangerous to Travellers, and for which traffic and travel management action must be taken.
P03073	Post Elaboration Tasks	Elaboration Tasks	mt_urban_parking_strategy	3.3.7	3.1.4.4	It contains the portion of a demand management strategy that affects the way in which are managed in the urban road network. As an alternative it can contain the request to cancel a strategy implementation command sent previously.
P03074	Post Elaboration Tasks	Data Center Dispatcher	mt_incident_strategy_for_others	3.2.6	3.2.8	It contains details from the incident strategy that is to be implemented and is for use by functionality in the system that provides other services, e.g. Manage Public Transport and Provide Traveller Journey Assistance as well as directly to Vehicles.
P03075	Post Elaboration Tasks	Public Channels Front-End	mt_demand_management_information	3.3.7	3.3.13	It contains a representation of information that is to be output as part of the implementation of a demand management strategy. In addition to the information, the destination of the output (Drivers and/or Travellers) will also be specified.
P03075	Post Elaboration Tasks	Public Channels Front-End	mt_environmental_information	3.4.11	3.4.10	It contains data to be used in the output of environmental information to Drivers and Travellers and includes an indication of whether the output is to be one or both of these.
P03075	Post Elaboration Tasks	Public Channels Front-End	mt_incident_strategy_for_external	3.2.6	3.2.9	It contains all of the details of the incident strategies that are currently being implemented and are for use by the Broadcaster and Traffic and Travel Information Provider.
P03075	Post Elaboration Tasks	Public Channels Front-End	mt_incident_strategy_for_vehicles	3.2.6	3.2.14	It contains details from the incident strategy that is to be implemented and is for use by functionality in the Vehicle.
P03075	Post Elaboration Tasks	Public Channels Front-End	mt_urban_speed_limit_changes	3.1.1.5.18	3.1.1.9	It contains changes to the speed limits for urban roads that are to be output to the Broadcaster and other functionality within the System.
P03076	Post Elaboration Tasks	Communication Unit	mt.pshvs_c&i_outputs_for_driver_display	3.1.1.5.24	5.16.1	It contains the command & information" (c&i) outputs which are being sent directly to Vehicles for display to Drivers by in-Vehicle output functionality."
P03076	Post Elaboration Tasks	Communication Unit	mt.pshvs_predicted_traffic_conditions_for_driver	3.1.6.6	5.16.1	It contains predicted traffic conditions for the entire road network that are for output to Drivers after they have been filtered to extract the conditions that are relevant to the current location of the Vehicle.
P03077	Post Elaboration Tasks	Road Network Operator	to.rno-demand_management_outputs	3.3.5	o.rno	It contains responses to previous inputs that may have been requests for information, the output of data, or commands for specific actions. This data flow consists of the following items each of which has its own data flow definition:
P03077	Post Elaboration Tasks	Road Network Operator	to.rno-environmental_data_analysis_results	3.4.7	o.rno	It contains the results of the analysis of current and predicted environmental data by the Determine Environmental Actions Function for display to the Road Network Operator. The results will include one or more suggested actions that are for the Operator to confirm if they are to be implemented.
P03077	Post Elaboration Tasks	Road Network Operator	to.rno-inter-urban_static_road_data	3.1.2.13.1	o.rno	It contains an output of the data about the inter-urban road network currently held in the Data Store of static data.
P03077	Post Elaboration Tasks	Road Network Operator	to.rno-inter-urban_traffic_responses	3.1.2.13.1	o.rno	If contains output from the Operator in response to previous commands directing and monitoring the operation of the traffic management Functions that serve the inter-urban road network.

P03077	Post Elaboration Tasks	Road Network Operator	to.rno-urban_traffic_responses	3.1.1.5.10	o.rno	If contains output from the Operator in response to previous commands directing and monitoring the operation of the traffic management Functions that serve the urban road network.
P03078	Post Elaboration Tasks	Incident Traffic Management System	tors.itms-incident_strategy	3.2.6	ors.itms	
P03079	Post Elaboration Tasks	Inter-urban Traffic Management System	tors.iutms-inter-urban_traffic_management_strategy	3.1.2.13.5	ors.iutms	It contains details of the new inter-urban traffic management strategy or special vehicle priority route that is just being implemented by the system that should be of interest to a geographically adjacent (or relevant) inter-urban traffic management system. The details will comprise such things as the affected junctions, method of control, actual junction timings, reason for change and previous strategy.
P03080	Post Elaboration Tasks	Urban Traffic Management System	tors.utms-urban_traffic_management_strategies	3.1.1.5.24	ors.utms	It contains details of the new urban traffic management strategy or special vehicle priority route that is just being implemented by the system that should be of interest to a geographically adjacent (or relevant) urban traffic management system. The details will comprise such things as the affected junctions, method of control, actual junction timings, reason for change and previous strategy.
P03081	Post Elaboration Tasks	Data Sources Layer	mt_demand_management_environmental_data	3.4.11	3.3.1	It contains details of current, historical and predicted environmental conditions for the geographic area managed by the System. This data will be used in the management of demand from travellers for different modes of transport.
P03082	Post Elaboration Tasks	Front-ends Layer	mt_demand_management_information	3.3.7	3.3.13	It contains a representation of information that is to be output as part of the implementation of a demand management strategy. In addition to the information, the destination of the output (Drivers and/or Travellers) will also be specified.
P03082	Post Elaboration Tasks	Front-ends Layer	mt_environmental_information	3.4.11	3.4.10	It contains data to be used in the output of environmental information to Drivers and Travellers and includes an indication of whether the output is to be one or both of these.
P03082	Post Elaboration Tasks	Front-ends Layer	mt_incident_strategy_for_external	3.2.6	3.2.9	It contains all of the details of the incident strategies that are currently being implemented and are for use by the Broadcaster and Traffic and Travel Information Provider.
P03082	Post Elaboration Tasks	Front-ends Layer	mt_incident_strategy_for_vehicles	3.2.6	3.2.14	It contains details from the incident strategy that is to be implemented and is for use by functionality in the Vehicle.
P03082	Post Elaboration Tasks	Front-ends Layer	mt_urban_speed_limit_changes	3.1.1.5.18	3.1.1.9	It contains changes to the speed limits for urban roads that are to be output to the Broadcaster and other functionality within the System.
P03083	Post Elaboration Tasks	Mobile probe system	mt.pshvs_c&i_outputs_for_driver_display	3.1.1.5.24	5.16.1	It contains the command & information" (c&i) outputs which are being sent directly to Vehicles for display to Drivers by in-Vehicle output functionality."
P03083	Post Elaboration Tasks	Mobile probe system	mt.pshvs_predicted_traffic_conditions_for_driver	3.1.6.6	5.16.1	It contains predicted traffic conditions for the entire road network that are for output to Drivers after they have been filtered to extract the conditions that are relevant to the current location of the Vehicle.
P03084	Post Elaboration Tasks	RTTI application	mt.ptja_inter-urban_recommended_routes	3.1.2.13.5	6.5.3.9	It contains routes through the inter-urban road network that are being recommended by the TCC, either as a result of Operator input, or as part of a traffic management strategy. The recommended routes may apply to all Vehicles or to specific type(s) of Vehicle.
P03084	Post Elaboration Tasks	RTTI application	mt.ptja_pollution	3.4.11	6.5.3.8	It contains ambient conditions information about air pollution levels in a certain areas to support freight route planning. In case of severe pollution some kinds of transport may be forbidden. So such an area has to be circumvented.
P03084	Post Elaboration Tasks	RTTI application	mt.ptja_road_network_traffic_predictions	3.1.6.6	6.5.3.8	It contains predictions of the future traffic conditions within the total road network based on the results from traffic simulations.
P03084	Post Elaboration Tasks	RTTI application	mt.ptja_urban_recommended_routes	3.1.1.5.24	6.5.3.9	It contains routes through the urban road network that are being recommended by the TCC, either as a result of Operator input, or as part of a traffic management strategy. The recommended routes may apply to all Vehicles or to specific type(s) of Vehicle.
P03084	Post Elaboration Tasks	RTTI application	mt.ptja_walking_and_cycling_info	3.3.7	6.5.3.8	It contains data that can be used to create information promoting walking and cycling that is to be made available to travellers.
P03084	Post Elaboration Tasks	RTTI application	mt.ptja_weather_information_PRT	3.4.11	6.5.3.8	This data will be issued as part of a demand management strategy that is designed to promote the use of these modes of travel.
P03085	Post Elaboration Tasks	Transport Planner	ttp-requested_traffic_prediction_results	3.1.6.5	tp	It contains general weather information to produce an appropriate route.
P03086	Data Center Dispatcher	Elaboration Tasks	mt.psef_incident_notification	3.2.8	2.1.2.1	It contains the traffic simulation results that are being sent to similar functionality in other Systems.
P03087	Data Center Dispatcher	Communication Unit	mt.pshvs_global_incident_related_warnings	3.2.8	5.16.1	It contains information about an incident collected by facilities within the Manage Traffic Area and is being made available for processing within the Provide Safety and Emergency Facilities Area.
P03088	Data Center Dispatcher	Mobile probe system	mt.pshvs_global_incident_related_warnings	3.2.8	5.16.1	It contains details about an incident that are to be displayed via in-Vehicle systems to Drivers using the road network. The location-coded area where the warning is to be displayed and will be valid is included, plus details of the lane(s) and road section(s) affected and the expected delay.
P03089	Data Center Dispatcher	RTTI application	mt.ptja_incident_information_PRT	3.2.8	6.5.3.8	It contains details about an incident that are to be displayed via in-Vehicle systems to Drivers using the road network. The location-coded area where the warning is to be displayed and will be valid is included, plus details of the lane(s) and road section(s) affected and the expected delay.
P03090	Public Channels Front-End	Driver	td-carpark_occupancy	3.1.4.9	d	It contains information about an incident that has been detected by the Manage Traffic functions about which information needs to be sent to travellers.
P03090	Public Channels Front-End	Driver	td-carpark_status	3.1.4.9	d	It contains the current car park occupancy (number of spaces) that is being output to Drivers.
P03090	Public Channels Front-End	Driver	td-demand_management_information	3.3.13	d	It contains the current car park status that is being output to Drivers.
P03090	Public Channels Front-End	Driver	td-environmental_information	3.4.10	d	It contains information that is being output to Drivers as part of a demand management strategy implementation.
P03090	Public Channels Front-End	Driver	td-service_area_occupancy	3.1.5.3	d	It contains information about either current or predicted environmental conditions that is being sent to Drivers as part of one or more actions that have been confirmed by the Road Network Operator.
P03090	Public Channels Front-End	Driver	td-service_area_status	3.1.5.3	d	It contains the current service area occupancy (number of spaces) that is being output to Drivers.
P03091	Public Channels Front-End	Broadcaster	tesp.b-incident_strategy_information	3.2.9	esp.b	It contains the current service area status that is being output to Drivers.
P03091	Public Channels Front-End	Broadcaster	tesp.b-inter-urban_traffic_data	3.1.2.9	esp.b	It contains information about an incident and is for general output to travellers by the Broadcaster Actor in the External Service Provider Terminator.
P03091	Public Channels Front-End	Broadcaster	tesp.b-requested_incident_data	3.2.9	esp.b	It contains data about traffic conditions in the inter-urban road network.
P03091	Public Channels Front-End	Broadcaster	tesp.b-urban_traffic_data	3.1.1.9	esp.b	It contains the requested current data about incidents and events that is being output to the Broadcaster.
P03092	Public Channels Front-End	Traffic and Travel Information Provider	tesp.ttip-incident_strategy_information	3.2.9	esp.ttip	It contains data about traffic conditions in the urban road network.
P03092	Public Channels Front-End	Traffic and Travel Information Provider	tesp.ttip-inter-urban_traffic_data	3.1.2.9	esp.ttip	It contains data about incidents that are affecting the road network served by the System. This data is for use by the Service Provider as part of its information output to Travellers.
						It contains information about traffic conditions in the inter-urban road network served by the System. This data is for use by the Service Provider as part of its information output to Travellers.

P03092	Public Channels Front-End	Traffic and Travel Information Provider	tesp.ttip-requested_incident_data	3.2.9	esp.ttip	It contains the requested current data about incidents and events that is being output to the Traffic and Travel Information Provider.
P03092	Public Channels Front-End	Traffic and Travel Information Provider	tesp.ttip-urban_traffic_data	3.1.1.9	esp.ttip	It contains data about traffic conditions in the urban road network.
P03093	Public Channels Front-End	Database	mt_request_incident_data	3.2.9	3.2.10	It contains a request for the current data about incidents and events for output to the Broadcaster and/or Traffic and Travel Information Provider.
P03094	Public Channels Front-End	Post Elaboration Tasks	mt_requeust_incident_strategies_for_external	3.2.9	3.2.6	It contains a request for the re-supply of the information about the currently implemented incident strategies so that it can be output to the Broadcaster and/or Traffic and Travel Information Provider.
P03095	Public Channels Front-End	Communication Unit	mt.pshvs_carpark_information	3.1.4.9	5.16.1	It contains information about the current status of car parks that is for output to Drivers via in-Vehicle devices.
P03095	Public Channels Front-End	Communication Unit	mt.pshvs_inter-urban_queue_information	3.1.2.9	5.16.1	It contains information about the location and rate of propagation of traffic queues in the inter-urban road network.
P03095	Public Channels Front-End	Communication Unit	mt.pshvs_local_incident_related_warnings	3.2.14	5.16.1	It contains details about an incident that are to be displayed via in-Vehicle systems to Drivers using the road network. Details of the lane(s) and road section(s) affected plus the expected delay are included.
P03095	Public Channels Front-End	Communication Unit	mt.pshvs_urban_queue_information	3.1.1.9	5.16.1	It contains information about the location and rate of propagation of traffic queues in the urban road network.
P03096	Public Channels Front-End	Data Center Layer	mt_requeust_incident_strategies_for_external	3.2.9	3.2.6	It contains a request for the re-supply of the information about the currently implemented incident strategies so that it can be output to the Broadcaster and/or Traffic and Travel Information Provider.
P03096	Public Channels Front-End	Data Center Layer	mt_request_incident_data	3.2.9	3.2.10	It contains a request for the current data about incidents and events for output to the Broadcaster and/or Traffic and Travel Information Provider.
P03097	Public Channels Front-End	Mobile probe system	mt.pshvs_carpark_information	3.1.4.9	5.16.1	It contains information about the current status of car parks that is for output to Drivers via in-Vehicle devices.
P03097	Public Channels Front-End	Mobile probe system	mt.pshvs_inter-urban_queue_information	3.1.2.9	5.16.1	It contains information about the location and rate of propagation of traffic queues in the inter-urban road network.
P03097	Public Channels Front-End	Mobile probe system	mt.pshvs_local_incident_related_warnings	3.2.14	5.16.1	It contains details about an incident that are to be displayed via in-Vehicle systems to Drivers using the road network. Details of the lane(s) and road section(s) affected plus the expected delay are included.
P03097	Public Channels Front-End	Mobile probe system	mt.pshvs_urban_queue_information	3.1.1.9	5.16.1	It contains information about the location and rate of propagation of traffic queues in the urban road network.
P03098	Public Channels Front-End	RTTI application	mt.ptja_inter-urban_network_conditions	3.1.2.9	6.5.3.8	It contains data about current traffic conditions within the inter-urban road network. These conditions will include actual traffic flows and journey times for each segment of the inter-urban road network.
P03098	Public Channels Front-End	RTTI application	mt.ptja_urban_network_conditions	3.1.1.9	6.5.3.8	It contains data about current traffic conditions within the urban road network. These conditions will include actual traffic flows and journey times for each segment of the urban road network.
P03099	Public Channels Front-End	Traveller	tt-demand_management_information	3.3.13	t	It contains information that is being output to Travellers as part of a demand management strategy implementation.
P03099	Public Channels Front-End	Traveller	tt-environmental_information	3.4.10	t	It contains information about either current or predicted environmental conditions that is being sent to Travellers as part of one or more actions that have been confirmed by the Road Network Operator.
P03100	Variable Message Signs Front-End	Pre Elaboration Tasks	mt_inter-urban_response_fault	3.1.2.14.4	3.5.12	It contains data indicating that an item of inter-urban roadside equipment is not operating in the way that it is expected, as a result of commands being sent to it. This expectation of what constitutes proper operation" will be based on the data about the roadside equipment that is included in the data store of Inter-urban Road Static Data."
P03100	Variable Message Signs Front-End	Pre Elaboration Tasks	mt_inter-urban_strategy_command_output_failure	3.1.2.14.4	3.5.12	It contains details of an inter-urban strategy command output failure that is for use by the Maintenance Organisation.
P03100	Variable Message Signs Front-End	Pre Elaboration Tasks	mt_urban_c&i_equipment_fault	3.1.1.5.20	3.5.12	It contains input from an item of urban roadside command and information equipment that it believes that it is faulty.
P03101	Variable Message Signs Front-End	Communication Unit	mt.pshvs_c&i_state_for_driver_display	3.1.1.5.20	5.16.1	It contains the current state of the command and information" (c&i) output to Drivers and is for use by in-Vehicle output functionality."
P03102	Variable Message Signs Front-End	Data Center Layer	mt_inter-urban_response_fault	3.1.2.14.4	3.5.12	It contains data indicating that an item of inter-urban roadside equipment is not operating in the way that it is expected, as a result of commands being sent to it. This expectation of what constitutes proper operation" will be based on the data about the roadside equipment that is included in the data store of Inter-urban Road Static Data."
P03102	Variable Message Signs Front-End	Data Center Layer	mt_inter-urban_strategy_command_output_failure	3.1.2.14.4	3.5.12	It contains details of an inter-urban strategy command output failure that is for use by the Maintenance Organisation.
P03102	Variable Message Signs Front-End	Data Center Layer	mt_urban_c&i_equipment_fault	3.1.1.5.20	3.5.12	It contains input from an item of urban roadside command and information equipment that it believes that it is faulty.
P03103	Variable Message Signs Front-End	Mobile probe system	mt.pshvs_c&i_state_for_driver_display	3.1.1.5.20	5.16.1	It contains the current state of the command and information" (c&i) output to Drivers and is for use by in-Vehicle output functionality."
P03104	Variable Message Signs Front-End	Traveller	tt.p-urban_traffic_management_messages	3.1.1.5.20	t	It contains the manifestation of the output of messages to pedestrians (including those in wheelchairs or suffering from other disabilities) using the urban road network. It will direct them to take actions so that their progress will make best use of the urban travel network.
P03105	Variable Message Signs Front-End	Cyclist	tt.c-urban_traffic_management_messages	3.1.1.5.20	t.c	It contains the manifestation of the output of messages to cyclists using the urban road network. It will direct them to take actions so that their progress will make best use of the urban travel network.
P03106	Traffic Lights Front-End	Pre Elaboration Tasks	mt_urban_s&g_equipment_fault	3.1.1.5.22	3.5.12	It contains input from an item of urban roadside stop and go equipment that it believes that it is faulty.
P03107	Traffic Lights Front-End	On-board Telematic Unit	mt.pshvs_vehicle_s&g_input	3.1.1.5.22	5.12.7	It contains data about the length of time that the Driver of the Vehicle will see a red (stop) signal at a junction and shall enable the Vehicle System to decide whether or not it wants to shut down the Vehicle's engine for this period of time.
P03108	Traffic Lights Front-End	Data Center Layer	mt_urban_s&g_equipment_fault	3.1.1.5.22	3.5.12	It contains input from an item of urban roadside stop and go equipment that it believes that it is faulty.
P03109	Traffic Lights Front-End	Mobile probe system	mt.pshvs_vehicle_s&g_input	3.1.1.5.22	5.12.7	It contains data about the length of time that the Driver of the Vehicle will see a red (stop) signal at a junction and shall enable the Vehicle System to decide whether or not it wants to shut down the Vehicle's engine for this period of time.
P03110	Traffic Lights Front-End	Traveller	tt.p-urban_traffic_s&g_commands	3.1.1.5.22	t	It contains the manifestation of the output of stop or go (s&g) commands to pedestrians (including those in wheelchairs or suffering from other disabilities) using the urban road network. It will direct them to take actions so that their progress will make best use of the urban travel network.
P03111	Traffic Lights Front-End	Cyclist	tt.c-urban_traffic_s&g_commands	3.1.1.5.22	t.c	It contains the manifestation of the output of stop or go (s&g) commands to cyclists using the urban road network. It will direct them to take actions so that their progress will make best use of the urban travel network.
P03112	Communication Unit	Human Machine Interface	pshvs_content_for_driver_output	5.16.1	5.16.2	It includes traffic regulations, dynamic warnings and other relevant information about such things as current and predicted traffic conditions, queues and their rates of propagation plus lane instructions relevant for the current road segment which are provided by functionality located somewhere in the roadside infrastructure.
P03113	On-board Telematic Unit	Vehicle front-end	pshvs_current_vehicle_time_for_fcd	5.12.7	5.13.7	It contains the current time from the vehicle.
P03113	On-board Telematic Unit	Vehicle front-end	pshvs_status_data_for_fcd	5.12.7	5.13.7	It contains data relating to the current status of the Vehicle, and its environment, such as speed, plus use of Vehicle equipment such as windscreen wipers, fog lamps, lights, turn indicators and any failure indications, plus outside temperature.
P03113	On-board Telematic Unit	Vehicle front-end	pshvs_vehicle_position_for_fcd	5.13.6	5.13.7	It contains data on the current vehicle position derived from one or more means.

P03114	On-board Environmental Monitoring Unit	On-board Traffic Monitoring Unit	pshvs_local_vehicle_atmospheric_data	5.15.1.4	5.15.5	It contains inputs provided by sensors from which the environmental conditions local to the Host Vehicle can be determined. It contains data from which a warning message can be generated for output from the roadside to the Driver of the Host Vehicle to advise of traffic queue that will be encountered in the urban road network ahead of the Host Vehicle and any appropriate action that the Driver needs to take.
P03115	On-board Traffic Monitoring Unit	Variable Message Signs Front-End	pshvs.mt_urban_traffic_queue_ahead_message	5.15.5	3.1.1.5.20	It contains data from which a warning message can be generated for output from the roadside to the Driver of the Host Vehicle to advise of critical atmospheric conditions that will be encountered in the urban road network ahead of the Host Vehicle and any appropriate action that the Driver needs to take.
P03115	On-board Traffic Monitoring Unit	Variable Message Signs Front-End	pshvs_mt_urban_critical_atmospherical_message	5.15.5	3.1.1.5.20	It contains data from which a warning message can be generated for output from the roadside to the Driver of the Host Vehicle to advise of critical atmospheric conditions that will be encountered in the inter-urban road network ahead of the Host Vehicle and any appropriate action that the Driver needs to take.
P03115	On-board Traffic Monitoring Unit	Variable Message Signs Front-End	pshvs_mt_inter-urban_critical_atmospheric_message	5.15.5	3.1.2.14.2	It contains data from which a warning message can be generated for output from the roadside to the Driver of the Host Vehicle to advise of traffic queue that will be encountered in the urban road network ahead of the Host Vehicle and any appropriate action that the Driver needs to take.
P03116	On-board Traffic Monitoring Unit	Front-ends Layer	pshvs.mt_urban_traffic_queue_ahead_message	5.15.5	3.1.1.5.20	It contains data from which a warning message can be generated for output from the roadside to the Driver of the Host Vehicle to advise of critical atmospheric conditions that will be encountered in the urban road network ahead of the Host Vehicle and any appropriate action that the Driver needs to take.
P03116	On-board Traffic Monitoring Unit	Front-ends Layer	pshvs_mt_urban_critical_atmospherical_message	5.15.5	3.1.1.5.20	It contains data from which a warning message can be generated for output from the roadside to the Driver of the Host Vehicle to advise of critical atmospheric conditions that will be encountered in the inter-urban road network ahead of the Host Vehicle and any appropriate action that the Driver needs to take.
P03116	On-board Traffic Monitoring Unit	Front-ends Layer	pshvs_mt_inter-urban_critical_atmospheric_message	5.15.5	3.1.2.14.2	It contains dynamic warnings for display to the Driver. They may be about such things as traffic conditions, queues and their rates of propagation, speed limits, lane commands, road signs and general road information, plus warnings of the need to dip headlights, lane changing, safety behaviour, collision and emergency brake manoeuvres.
P03117	Human Machine Interface	Driver	td-current_commands_&_warnings	5.16.2	d	It contains information for the Driver about predicted and current traffic conditions and queues in the geographic region of the Vehicle.
P03117	Human Machine Interface	Driver	td-traffic_information	5.16.2	d	It contains confirmation that some or all of the previously suggested actions to mitigate the impact of either current or predicted environmental conditions are to be implemented. Details of which of the actions are to be implemented are included.
P03118	Road Network Operator	Post Elaboration Tasks	fo.rno-confirm_environmental_actions	o.rno	3.4.7	It contains inputs that are either requests for information, the output of data, or commands for specific actions. This data flow consists of the following items each of which has its own data flow definition:
P03118	Road Network Operator	Post Elaboration Tasks	fo.rno-demand_management_inputs	o.rno	3.3.5	It contains a request from the Road Network Operator for current and predicted data to be sent from the Environmental Data Store to the Determine Environmental Action Function.
P03118	Road Network Operator	Post Elaboration Tasks	fo.rno-request_environmental_data_analysis	o.rno	3.4.7	It contains confirmation that some or all of the previously suggested actions to mitigate the impact of either current or predicted environmental conditions are to be implemented. Details of which of the actions are to be implemented are included.
P03119	Road Network Operator	Data Center Layer	fo.rno-confirm_environmental_actions	o.rno	3.4.7	It contains inputs that are either requests for information, the output of data, or commands for specific actions. This data flow consists of the following items each of which has its own data flow definition:
P03119	Road Network Operator	Data Center Layer	fo.rno-demand_management_inputs	o.rno	3.3.5	It contains a request from the Road Network Operator for current and predicted data to be sent from the Environmental Data Store to the Determine Environmental Action Function.
P03119	Road Network Operator	Data Center Layer	fo.rno-request_environmental_data_analysis	o.rno	3.4.7	
P03120	Traveller Information Operator	RTTI application	fo.tio-trip_planning_data_requests	o.tio	6.5.3.7	It contains responses to previous requests from the Traveller Information Operator for information about trip-planning data.
P03121	Environmental Traffic Management System	Database	fors.etms-environmental_data_updates	ors.etms	3.4.8	It contains data about environmental conditions that is being transferred from another System.
P03122	Environmental Traffic Management System	Data Center Layer	fors.etms-environmental_data_updates	ors.etms	3.4.8	It contains data about environmental conditions that is being transferred from another System.
P03123	Incident Traffic Management System	Post Elaboration Tasks	fors.itms-incident_strategy	ors.itms	3.2.6	It contains details of incident strategies being implemented by other TCCs.
P03124	Incident Traffic Management System	Data Center Layer	fors.itms-incident_strategy	ors.itms	3.2.6	It contains details of incident strategies being implemented by other TCCs.
P03125	Inter-urban Traffic Management System	Database	fors.iutms-inter-urban_data_updates	ors.iutms	3.1.2.16	It contains data that is being transferred from another System. This data flow contains data about the way in which traffic is using the inter-urban road network served by the other System.
P03126	Inter-urban Traffic Management System	Post Elaboration Tasks	fors.iutms-inter-urban_traffic_management_strategy	ors.iutms	3.1.2.13.5	It contains details of the new inter-urban traffic management strategy or special vehicle priority route that is just being implemented by a geographically adjacent (or relevant) inter-urban traffic management system. The details will comprise such things as the affected junctions, method of control, actual junction timings, reason for change and previous strategy.
P03127	Inter-urban Traffic Management System	Data Center Layer	fors.iutms-inter-urban_data_updates	ors.iutms	3.1.2.16	It contains data that is being transferred from another System. This data flow contains data about the way in which traffic is using the inter-urban road network served by the other System.
P03127	Inter-urban Traffic Management System	Data Center Layer	fors.iutms-inter-urban_traffic_management_strategy	ors.iutms	3.1.2.13.5	It contains details of the new inter-urban traffic management strategy or special vehicle priority route that is just being implemented by a geographically adjacent (or relevant) inter-urban traffic management system. The details will comprise such things as the affected junctions, method of control, actual junction timings, reason for change and previous strategy.
P03128	Data Sources Layer	Database	mt_atmospheric_pollution_data_inputs	3.4.2	3.4.8	It contains data about atmospheric pollution in the geographic area managed by the System. Sensors that are part of another Function in the Manage Traffic Area will have collected this data.
P03128	Data Sources Layer	Database	mt_updated_demand_data	3.3.1	3.3.9	It contains data received from other parts of the Manage Traffic Area, other Areas of the System, or the Weather Service terminator. This data will be stored for future use by other Functions in this group.
P03128	Data Sources Layer	Database	mt_weather_condition_data_inputs	3.4.1	3.4.8	It contains data about weather conditions in the geographic area managed by the System. This data will be in two parts, one for current data and the other for forecast data. Sensors that are part of another Function in the Manage Traffic Area will have collected the current data. The forecast data will have been obtained from a specialist system through a terminator.
P03129	Data Sources Layer	Elaboration Tasks	mt_inter-urban_traffic_data_for_incident_detection	3.1.2.10	3.2.12	It contains raw traffic data from points in the inter-urban road network that can be analysed to see if an incident has occurred.
P03129	Data Sources Layer	Elaboration Tasks	mt_inter-urban_xfcd_for_incident_detection	3.1.2.8	3.2.12	It contains vehicle status data for improved incident detection collected from those Vehicles using the inter-urban road network.

P03129	Data Sources Layer	Elaboration Tasks	mt_service_area_entrance_exit_vehicle_detection	3.1.5.1	3.1.5.2	It contains an indication that a vehicle has entered has entered or left a service area.
P03129	Data Sources Layer	Elaboration Tasks	mt_urban_traffic_data_for_incident_detection	3.1.1.10	3.2.12	It contains raw traffic data from points in the urban road network that can be analysed to see if an incident has occurred.
P03129	Data Sources Layer	Elaboration Tasks	mt_urban_xfcd_for_incident_detection	3.1.1.8	3.2.12	It contains vehicle status data for improved incident detection collected from those Vehicles using the urban road network. It contains data about atmospheric pollution in the geographic area managed by the System. Sensors that are part of another Function in the Manage Traffic Area will have collected this data.
P03130	Data Sources Layer	Data Center Layer	mt_atmospheric_pollution_data_inputs	3.4.2	3.4.8	
P03130	Data Sources Layer	Data Center Layer	mt_inter-urban_traffic_data_for_incident_detection	3.1.2.10	3.2.12	It contains raw traffic data from points in the inter-urban road network that can be analysed to see if an incident has occurred. It contains vehicle status data for improved incident detection collected from those Vehicles using the inter-urban road network.
P03130	Data Sources Layer	Data Center Layer	mt_inter-urban_xfcd_for_incident_detection	3.1.2.8	3.2.12	It contains an indication that a vehicle has entered has entered or left a service area.
P03130	Data Sources Layer	Data Center Layer	mt_service_area_entrance_exit_vehicle_detection	3.1.5.1	3.1.5.2	It contains data received from other parts of the Manage Traffic Area, other Areas of the System, or the Weather Service terminator. This data will be stored for future use by other Functions in this group.
P03130	Data Sources Layer	Data Center Layer	mt_updated_demand_data	3.3.1	3.3.9	
P03130	Data Sources Layer	Data Center Layer	mt_urban_traffic_data_for_incident_detection	3.1.1.10	3.2.12	It contains raw traffic data from points in the urban road network that can be analysed to see if an incident has occurred.
P03130	Data Sources Layer	Data Center Layer	mt_urban_xfcd_for_incident_detection	3.1.1.8	3.2.12	It contains vehicle status data for improved incident detection collected from those Vehicles using the urban road network.
P03130	Data Sources Layer	Data Center Layer	mt_weather_condition_data_inputs	3.4.1	3.4.8	It contains data about weather conditions in the geographic area managed by the System. This data will be in two parts, one for current data and the other for forecast data. Sensors that are part of another Function in the Manage Traffic Area will have collected the current data. The forecast data will have been obtained from a specialist system through a terminator.
P03131	Data Center Layer	Broadcaster	tesp.b-demand_data	3.3.7	esp.b	It contains data about the current state of any demand management strategies that have been implemented.
P03132	Data Center Layer	Geographic Information Provider	tesp.g-updated_urban_data_for_maps	3.1.1.11	esp.g	It contains updated static speed limits, structural alterations and default journey times for the urban road network that are to be implemented in the digital map content that is provided in the future.
P03133	Data Center Layer	Traffic and Travel Information Provider	tesp.ttip-demand_data	3.3.7	esp.ttip	It contains data about the current state of any demand management strategies that have been implemented.
P03133	Data Center Layer	Traffic and Travel Information Provider	tesp.ttip-weather_conditions_information	3.4.11	esp.ttip	It contains data about weather conditions that are affecting the road network served by the System. This data is for use by the Service Provider as part of its information output to Travellers.
P03133	Data Center Layer	Traffic and Travel Information Provider	tesp.ttip_forecast_traffic_conditions_data	3.1.6.6	esp.ttip	It contains data about the forecast traffic conditions that are predicted to affect the road network served by the System. This data is for use by the Service Provider to use in the information it outputs to Travellers and to create a model of current and anticipated traffic conditions.
P03134	Data Center Layer	Road Maintenance Organisation	tmo.rmo-equipment_tasks	3.5.12	mo.rmo	It contains requests for the Organisation to carry out specific items of maintenance and repair work to equipment connected with outputs from the System
P03135	Data Center Layer	User Data Source	mt_carpark_occupancy_for_demand_management	3.1.4.4	3.3.1	It contains data about the occupancy of car parks within the urban road network that is to be used by the demand management group of Functions.
P03135	Data Center Layer	User Data Source	mt_demand_management_environmental_data	3.4.11	3.3.1	It contains details of current, historical and predicted environmental conditions for the geographic area managed by the System. This data will be used in the management of demand from travellers for different modes of transport.
P03135	Data Center Layer	User Data Source	mt_inter-urban_traffic_data_for_demand	3.1.2.16	3.3.1	It contains data about the current and predicted traffic conditions in the inter-urban road network. This data will be used in the selection of the appropriate demand management strategy to optimise the use of the urban road network.
P03135	Data Center Layer	User Data Source	mt_service_area_occupancies_for_demand_management	3.1.5.2	3.3.1	It contains data about the current occupancies of service areas in the inter-urban road network that are to be used by the demand management group of Functions. The term service area" is generic in that it may also include locations where only freight and/or Public Transport vehicles are parked whilst in transit through the inter-urban road network."
P03135	Data Center Layer	User Data Source	mt_urban_traffic_data_for_demand	3.1.1.14	3.3.1	It contains data about the current and predicted traffic conditions in the urban road network. This data will be used in the selection of the appropriate demand management strategy to optimise the use of the urban road network.
P03136	Data Center Layer	Public Channels Front-End	mt_carpark_occupancy_for_inter-urban	3.1.4.4	3.1.5.3	It contains the identities and details of the current number of spaces (or occupancy) and/or the status of some of the car parks in the urban road network. The identities of the car parks whose data is included will be set by the source functionality.
P03136	Data Center Layer	Public Channels Front-End	mt_demand_management_information	3.3.7	3.3.13	It contains a representation of information that is to be output as part of the implementation of a demand management strategy. In addition to the information, the destination of the output (Drivers and/or Travellers) will also be specified.
P03136	Data Center Layer	Public Channels Front-End	mt_environmental_information	3.4.11	3.4.10	It contains data to be used in the output of environmental information to Drivers and Travellers and includes an indication of whether the output is to be one or both of these.
P03136	Data Center Layer	Public Channels Front-End	mt_incident_strategy_for_external	3.2.6	3.2.9	It contains all of the details of the incident strategies that are currently being implemented and are for use by the Broadcaster and Traffic and Travel Information Provider.
P03136	Data Center Layer	Public Channels Front-End	mt_incident_strategy_for_vehicles	3.2.6	3.2.14	It contains details from the incident strategy that is to be implemented and is for use by functionality in the Vehicle.
P03136	Data Center Layer	Public Channels Front-End	mt_requested_incident_data	3.2.10	3.2.9	It contains the requested current data about incidents and events for output to the Broadcaster and/or Traffic and Travel Information Provider.
P03136	Data Center Layer	Public Channels Front-End	mt_urban_speed_limit_changes	3.1.1.5.18	3.1.1.9	It contains changes to the speed limits for urban roads that are to be output to the Broadcaster and other functionality within the System.
P03137	Data Center Layer	Communication Unit	mt.pshvs_c&i_outputs_for_driver_display	3.1.1.5.24	5.16.1	It contains the command & information" (c&i) outputs which are being sent directly to Vehicles for display to Drivers by in-Vehicle output functionality."
P03137	Data Center Layer	Communication Unit	mt.pshvs_global_incident_related_warnings	3.2.8	5.16.1	It contains details about an incident that are to be displayed via in-Vehicle systems to Drivers using the road network. The location-coded area where the warning is to be displayed and will be valid is included, plus details of the lane(s) and road section(s) affected and the expected delay.
P03137	Data Center Layer	Communication Unit	mt.pshvs_predicted_traffic_conditions_for_driver	3.1.6.6	5.16.1	It contains predicted traffic conditions for the entire road network that are for output to Drivers after they have been filtered to extract the conditions that are relevant to the current location of the Vehicle.
P03138	Data Center Layer	Road Network Operator	to.rno-demand_management_outputs	3.3.5	o.rno	It contains responses to previous inputs that may have been requests for information, the output of data, or commands for specific actions. This data flow consists of the following items each of which has its own data flow definition:

						It contains the results of the analysis of current and predicted environmental data by the Determine Environmental Actions Function for display to the Road Network Operator. The results will include one or more suggested actions that are for the Operator to confirm if they are to be implemented.
P03138	Data Center Layer	Road Network Operator	to.rno-environmental_data_analysis_results	3.4.7	o.rno	
P03138	Data Center Layer	Road Network Operator	to.rno-inter-urban_static_road_data	3.1.2.13.1	o.rno	It contains an output of the data about the inter-urban road network currently held in the Data Store of static data.
P03138	Data Center Layer	Road Network Operator	to.rno-inter-urban_traffic_responses	3.1.2.13.1	o.rno	If contains output from the Operator in response to previous commands directing and monitoring the operation of the traffic management Functions that serve the inter-urban road network.
P03138	Data Center Layer	Road Network Operator	to.rno-urban_traffic_responses	3.1.1.5.10	o.rno	If contains output from the Operator in response to previous commands directing and monitoring the operation of the traffic management Functions that serve the urban road network.
P03139	Data Center Layer	Incident Traffic Management System	tors.itms-incident_strategy	3.2.6	ors.itms	It contains details of incident strategies for implementation by other TCCs.
P03140	Data Center Layer	Inter-urban Traffic Management System	tors.iutms-inter-urban_data_updates	3.1.2.16	ors.iutms	It contains data that is being transferred to another System. This data flow contains data about the way in which traffic is using the inter-urban road network served by this System.
P03140	Data Center Layer	Inter-urban Traffic Management System	tors.iutms-inter-urban_traffic_management_strategy	3.1.2.13.5	ors.iutms	It contains details of the new inter-urban traffic management strategy or special vehicle priority route that is just being implemented by the system that should be of interest to a geographically adjacent (or relevant) inter-urban traffic management system. The details will comprise such things as the affected junctions, method of control, actual junction timings, reason for change and previous strategy.
P03141	Data Center Layer	Urban Traffic Management System	tors.utms-urban_data_updates	3.1.1.14	ors.utms	It contains data that is being transferred to another System. This data flow contains data about the way in which traffic is using the urban road network served by this System.
P03141	Data Center Layer	Urban Traffic Management System	tors.utms-urban_traffic_management_strategies	3.1.1.5.24	ors.utms	It contains details of the new urban traffic management strategy or special vehicle priority route that is just being implemented by the system that should be of interest to a geographically adjacent (or relevant) urban traffic management system. The details will comprise such things as the affected junctions, method of control, actual junction timings, reason for change and previous strategy.
P03142	Data Center Layer	Data Sources Layer	mt_carpark_occupancy_for_demand_management	3.1.4.4	3.3.1	It contains data about the occupancy of car parks within the urban road network that is to be used by the demand management group of Functions.
P03142	Data Center Layer	Data Sources Layer	mt_demand_management_environmental_data	3.4.11	3.3.1	It contains details of current, historical and predicted environmental conditions for the geographic area managed by the System. This data will be used in the management of demand from travellers for different modes of transport.
P03142	Data Center Layer	Data Sources Layer	mt_inter-urban_traffic_data_for_demand	3.1.2.16	3.3.1	It contains data about the current and predicted traffic conditions in the inter-urban road network. This data will be used in the selection of the appropriate demand management strategy to optimise the use of the inter-urban road network.
P03142	Data Center Layer	Data Sources Layer	mt_service_area_occupancies_for_demand_management	3.1.5.2	3.3.1	It contains data about the current occupancies of service areas in the inter-urban road network that are to be used by the demand management group of Functions. The term service area" is generic in that it may also include locations where only freight and/or Public Transport vehicles are parked whilst in transit through the inter-urban road network."
P03142	Data Center Layer	Data Sources Layer	mt_urban_traffic_data_for_demand	3.1.1.14	3.3.1	It contains data about the current and predicted traffic conditions in the urban road network. This data will be used in the selection of the appropriate demand management strategy to optimise the use of the urban road network.
P03143	Data Center Layer	Front-ends Layer	mt_carpark_occupancy_for_inter-urban	3.1.4.4	3.1.5.3	It contains the identities and details of the current number of spaces (or occupancy) and/or the status of some of the car parks in the urban road network. The identities of the car parks whose data is included will be set by the source functionality.
P03143	Data Center Layer	Front-ends Layer	mt_demand_management_information	3.3.7	3.3.13	It contains a representation of information that is to be output as part of the implementation of a demand management strategy. In addition to the information, the destination of the output (Drivers and/or Travellers) will also be specified.
P03143	Data Center Layer	Front-ends Layer	mt_environmental_information	3.4.11	3.4.10	It contains data to be used in the output of environmental information to Drivers and Travellers and includes an indication of whether the output is to be one or both of these.
P03143	Data Center Layer	Front-ends Layer	mt_incident_strategy_for_external	3.2.6	3.2.9	It contains all of the details of the incident strategies that are currently being implemented and are for use by the Broadcaster and Traffic and Travel Information Provider.
P03143	Data Center Layer	Front-ends Layer	mt_incident_strategy_for_vehicles	3.2.6	3.2.14	It contains details from the incident strategy that is to be implemented and is for use by functionality in the Vehicle.
P03143	Data Center Layer	Front-ends Layer	mt_requested_incident_data	3.2.10	3.2.9	It contains the requested current data about incidents and events for output to the Broadcaster and/or Traffic and Travel Information Provider.
P03143	Data Center Layer	Front-ends Layer	mt_urban_speed_limit_changes	3.1.1.5.18	3.1.1.9	It contains changes to the speed limits for urban roads that are to be output to the Broadcaster and other functionality within the System.
P03144	Data Center Layer	Mobile probe system	mt.pshvs_c&i_outputs_for_driver_display	3.1.1.5.24	5.16.1	It contains the command & information" (c&i) outputs which are being sent directly to Vehicles for display to Drivers by in-Vehicle output functionality."
P03144	Data Center Layer	Mobile probe system	mt.pshvs_global_incident_related_warnings	3.2.8	5.16.1	It contains details about an incident that are to be displayed via in-Vehicle systems to Drivers using the road network. The location-coded area where the warning is to be displayed and will be valid is included, plus details of the lane(s) and road section(s) affected and the expected delay.
P03144	Data Center Layer	Mobile probe system	mt.pshvs_predicted_traffic_conditions_for_driver	3.1.6.6	5.16.1	It contains predicted traffic conditions for the entire road network that are for output to Drivers after they have been filtered to extract the conditions that are relevant to the current location of the Vehicle.
P03145	Data Center Layer	RTTI application	mt.ptja_carpark_occupancy	3.1.4.4	6.5.3.8	It contains the current car park occupancies, necessary for trip planning.
P03145	Data Center Layer	RTTI application	mt.ptja_incident_information_PRT	3.2.8	6.5.3.8	It contains information about an incident that has been detected by the Manage Traffic functions about which information needs to be sent to travellers.
P03145	Data Center Layer	RTTI application	mt.ptja_inter-urban_recommended_routes	3.1.2.13.5	6.5.3.9	It contains routes through the inter-urban road network that are being recommended by the TCC, either as a result of Operator input, or as part of a traffic management strategy. The recommended routes may apply to all Vehicles or to specific type(s) of Vehicle.
P03145	Data Center Layer	RTTI application	mt.ptja_inter-urban_road_network_data	3.1.2.6	6.5.3.8	It contains static data about the inter-urban road network for use in trip plan preparation.
P03145	Data Center Layer	RTTI application	mt.ptja_pollution	3.4.11	6.5.3.8	It contains ambient conditions information about air pollution levels in a certain areas to support freight route planning. In case of severe pollution some kinds of transport may be forbidden. So such an area has to be circumvented.
P03145	Data Center Layer	RTTI application	mt.ptja_road_network_traffic_predictions	3.1.6.6	6.5.3.8	It contains predictions of the future traffic conditions within the total road network based on the results from traffic simulations.
P03145	Data Center Layer	RTTI application	mt.ptja_urban_recommended_routes	3.1.1.5.24	6.5.3.9	It contains routes through the urban road network that are being recommended by the TCC, either as a result of Operator input, or as part of a traffic management strategy. The recommended routes may apply to all Vehicles or to specific type(s) of Vehicle.

P03145	Data Center Layer	RTTI application	mt.ptja_urban_road_network_data	3.1.1.6	6.5.3.8	It contains static data about the urban road network for use in trip plan preparation. It contains data that can be used to create information promoting walking and cycling that is to be made available to travellers. This data will be issued as part of a demand management strategy that is designed to promote the use of these modes of travel.
P03145	Data Center Layer	RTTI application	mt.ptja_walking_and_cycling_info	3.3.7	6.5.3.8	
P03145	Data Center Layer	RTTI application	mt.ptja_weather_information_PRT	3.4.11	6.5.3.8	It contains general weather information to produce an appropriate route.
P03145	Data Center Layer	RTTI application	ptja_read_road_trip_planning_data	D6.3	6.5.3.7	It contains data that is being read from the Road Trip Planning Data Store and is for use by the Traveller Information Operator. It contains data about the road network and its forecast conditions that is being retrieved from the Road Trip Planning Data Store for use in planning a route for a freight vehicle.
P03145	Data Center Layer	RTTI application	ptja_retrieve_ffm_route_planning_data	D6.3	6.5.3.13	It contains data about the road network and its forecast conditions that is being retrieved from the Road Trip Planning Data Store for use in providing information for Freight and Fleet Management.
P03145	Data Center Layer	RTTI application	ptja_retrieve_road_situation_data	D6.3	6.5.3.13	It contains data about the road network and its forecast conditions that is being retrieved from the Road Trip Planning Data Store for use in planning a Traveller's trip.
P03145	Data Center Layer	RTTI application	ptja_retrieve_road_trip_planning_data	D6.3	6.5.3.9	It contains data from the Road Trip Planning Data Store that may be used to provide travel information to Travellers.
P03145	Data Center Layer	RTTI application	ptja_road_data_for_travel_information	D6.3	6.5.3.10	
P03146	Data Center Layer	Transport Planner	ttp-requested_traffic_prediction_results	3.1.6.5	tp	It contains the traffic simulation results that are being sent to similar functionality in other Systems.
P03147	Front-ends Layer	Driver	td-carpark_occupancy	3.1.4.9	d	It contains the current car park occupancy (number of spaces) that is being output to Drivers.
P03147	Front-ends Layer	Driver	td-carpark_status	3.1.4.9	d	It contains the current car park status that is being output to Drivers.
P03147	Front-ends Layer	Driver	td-demand_management_information	3.3.13	d	It contains information that is being output to Drivers as part of a demand management strategy implementation.
P03147	Front-ends Layer	Driver	td-environmental_information	3.4.10	d	It contains information about either current or predicted environmental conditions that is being sent to Drivers as part of one or more actions that have been confirmed by the Road Network Operator.
P03147	Front-ends Layer	Driver	td-service_area_occupancy	3.1.5.3	d	It contains the current service area occupancy (number of spaces) that is being output to Drivers.
P03147	Front-ends Layer	Driver	td-service_area_status	3.1.5.3	d	It contains the current service area status that is being output to Drivers.
P03148	Front-ends Layer	Broadcaster	tesp.b-incident_strategy_information	3.2.9	esp.b	It contains information about an incident and is for general output to travellers by the Broadcaster Actor in the External Service Provider Terminator.
P03148	Front-ends Layer	Broadcaster	tesp.b-inter-urban_traffic_data	3.1.2.9	esp.b	It contains data about traffic conditions in the inter-urban road network.
P03148	Front-ends Layer	Broadcaster	tesp.b-requested_incident_data	3.2.9	esp.b	It contains the requested current data about incidents and events that is being output to the Broadcaster.
P03148	Front-ends Layer	Broadcaster	tesp.b-urban_traffic_data	3.1.1.9	esp.b	It contains data about traffic conditions in the urban road network.
P03149	Front-ends Layer	Traffic and Travel Information Provider	tesp.ttip-incident_strategy_information	3.2.9	esp.ttip	It contains data about incidents that are affecting the road network served by the System. This data is for use by the Service Provider as part of its information output to Travellers.
P03149	Front-ends Layer	Traffic and Travel Information Provider	tesp.ttip-inter-urban_traffic_data	3.1.2.9	esp.ttip	It contains information about traffic conditions in the inter-urban road network served by the System. This data is for use by the Service Provider as part of its information output to Travellers.
P03149	Front-ends Layer	Traffic and Travel Information Provider	tesp.ttip-requested_incident_data	3.2.9	esp.ttip	It contains the requested current data about incidents and events that is being output to the Traffic and Travel Information Provider.
P03149	Front-ends Layer	Traffic and Travel Information Provider	tesp.ttip-urban_traffic_data	3.1.1.9	esp.ttip	It contains data about traffic conditions in the urban road network.
P03150	Front-ends Layer	Database	mt_request_incident_data	3.2.9	3.2.10	It contains a request for the current data about incidents and events for output to the Broadcaster and/or Traffic and Travel Information Provider.
P03151	Front-ends Layer	Pre Elaboration Tasks	mt_inter-urban_response_fault	3.1.2.14.4	3.5.12	It contains data indicating that an item of inter-urban roadside equipment is not operating in the way that it is expected, as a result of commands being sent to it. This expectation of what constitutes proper operation" will be based on the data about the roadside equipment that is included in the data store of Inter-urban Road Static Data."
P03151	Front-ends Layer	Pre Elaboration Tasks	mt_inter-urban_strategy_command_output_failure	3.1.2.14.4	3.5.12	It contains details of an inter-urban strategy command output failure that is for use by the Maintenance Organisation.
P03151	Front-ends Layer	Pre Elaboration Tasks	mt_urban_c&i_equipment_fault	3.1.1.5.20	3.5.12	It contains input from an item of urban roadside command and information equipment that it believes that it is faulty.
P03151	Front-ends Layer	Pre Elaboration Tasks	mt_urban_s&g_equipment_fault	3.1.1.5.22	3.5.12	It contains input from an item of urban roadside stop and go equipment that it believes that it is faulty.
P03152	Front-ends Layer	Post Elaboration Tasks	mt_reqeust_incident_strategies_for_external	3.2.9	3.2.6	It contains a request for the re-supply of the information about the currently implemented incident strategies so that it can be output to the Broadcaster and/or Traffic and Travel Information Provider.
P03153	Front-ends Layer	Communication Unit	mt.pshvs_c&i_state_for_driver_display	3.1.1.5.20	5.16.1	It contains the current state of the command and information" (c&i) output to Drivers and is for use by in-Vehicle output functionality."
P03153	Front-ends Layer	Communication Unit	mt.pshvs_carpark_information	3.1.4.9	5.16.1	It contains information about the current status of car parks that is for output to Drivers via in-Vehicle devices.
P03153	Front-ends Layer	Communication Unit	mt.pshvs_inter-urban_queue_information	3.1.2.9	5.16.1	It contains information about the location and rate of propagation of traffic queues in the inter-urban road network.
P03153	Front-ends Layer	Communication Unit	mt.pshvs_local_incident_related_warnings	3.2.14	5.16.1	It contains details about an incident that are to be displayed via in-Vehicle systems to Drivers using the road network. Details of the lane(s) and road section(s) affected plus the expected delay are included.
P03153	Front-ends Layer	Communication Unit	mt.pshvs_urban_queue_information	3.1.1.9	5.16.1	It contains information about the location and rate of propagation of traffic queues in the urban road network.
P03154	Front-ends Layer	On-board Telematic Unit	mt.pshvs_vehicle_s&g_input	3.1.1.5.22	5.12.7	It contains data about the length of time that the Driver of the Vehicle will see a red (stop) signal at a junction and shall enable the Vehicle System to decide whether or not it wants to shut down the Vehicle's engine for this period of time.
P03155	Front-ends Layer	Data Center Layer	mt_inter-urban_response_fault	3.1.2.14.4	3.5.12	It contains data indicating that an item of inter-urban roadside equipment is not operating in the way that it is expected, as a result of commands being sent to it. This expectation of what constitutes proper operation" will be based on the data about the roadside equipment that is included in the data store of Inter-urban Road Static Data."
P03155	Front-ends Layer	Data Center Layer	mt_inter-urban_strategy_command_output_failure	3.1.2.14.4	3.5.12	It contains details of an inter-urban strategy command output failure that is for use by the Maintenance Organisation.
P03155	Front-ends Layer	Data Center Layer	mt_reqeust_incident_strategies_for_external	3.2.9	3.2.6	It contains a request for the re-supply of the information about the currently implemented incident strategies so that it can be output to the Broadcaster and/or Traffic and Travel Information Provider.
P03155	Front-ends Layer	Data Center Layer	mt_request_incident_data	3.2.9	3.2.10	It contains a request for the current data about incidents and events for output to the Broadcaster and/or Traffic and Travel Information Provider.
P03155	Front-ends Layer	Data Center Layer	mt_urban_c&i_equipment_fault	3.1.1.5.20	3.5.12	It contains input from an item of urban roadside command and information equipment that it believes that it is faulty.
P03155	Front-ends Layer	Data Center Layer	mt_urban_s&g_equipment_fault	3.1.1.5.22	3.5.12	It contains input from an item of urban roadside stop and go equipment that it believes that it is faulty.
P03156	Front-ends Layer	Mobile probe system	mt.pshvs_c&i_state_for_driver_display	3.1.1.5.20	5.16.1	It contains the current state of the command and information" (c&i) output to Drivers and is for use by in-Vehicle output functionality."
P03156	Front-ends Layer	Mobile probe system	mt.pshvs_carpark_information	3.1.4.9	5.16.1	It contains information about the current status of car parks that is for output to Drivers via in-Vehicle devices.
P03156	Front-ends Layer	Mobile probe system	mt.pshvs_inter-urban_queue_information	3.1.2.9	5.16.1	It contains information about the location and rate of propagation of traffic queues in the inter-urban road network.

P03156	Front-ends Layer	Mobile probe system	mt.pshvs_local_incident_related_warnings	3.2.14	5.16.1	It contains details about an incident that are to be displayed via in-Vehicle systems to Drivers using the road network. Details of the lane(s) and road section(s) affected plus the expected delay are included.
P03156	Front-ends Layer	Mobile probe system	mt.pshvs_urban_queue_information	3.1.1.9	5.16.1	It contains information about the location and rate of propagation of traffic queues in the urban road network.
P03156	Front-ends Layer	Mobile probe system	mt.pshvs_vehicle_s&g_input	3.1.1.5.22	5.12.7	It contains data about the length of time that the Driver of the Vehicle will see a red (stop) signal at a junction and shall enable the Vehicle System to decide whether or not it wants to shut down the Vehicle's engine for this period of time.
P03157	Front-ends Layer	RTTI application	mt.ptja_inter-urban_network_conditions	3.1.2.9	6.5.3.8	It contains data about current traffic conditions within the inter-urban road network. These conditions will include actual traffic flows and journey times for each segment of the inter-urban road network.
P03157	Front-ends Layer	RTTI application	mt.ptja_urban_network_conditions	3.1.1.9	6.5.3.8	It contains data about current traffic conditions within the urban road network. These conditions will include actual traffic flows and journey times for each segment of the urban road network.
P03158	Front-ends Layer	Traveller	tt-demand_management_information	3.3.13	t	It contains information that is being output to Travellers as part of a demand management strategy implementation.
P03158	Front-ends Layer	Traveller	tt-environmental_information	3.4.10	t	It contains information about either current or predicted environmental conditions that is being sent to Travellers as part of one or more actions that have been confirmed by the Road Network Operator.
P03158	Front-ends Layer	Traveller	tt.p-urban_traffic_management_messages	3.1.1.5.20	t	It contains the manifestation of the output of messages to pedestrians (including those in wheelchairs or suffering from other disabilities) using the urban road network. It will direct them to take actions so that their progress will make best use of the urban travel network.
P03158	Front-ends Layer	Traveller	tt.p-urban_traffic_s&g_commands	3.1.1.5.22	t	It contains the manifestation of the output of stop or go (s&g) commands to pedestrians (including those in wheelchairs or suffering from other disabilities) using the urban road network. It will direct them to take actions so that their progress will make best use of the urban travel network.
P03159	Front-ends Layer	Cyclist	tt.c-urban_traffic_management_messages	3.1.1.5.20	t.c	It contains the manifestation of the output of messages to cyclists using the urban road network. It will direct them to take actions so that their progress will make best use of the urban travel network.
P03159	Front-ends Layer	Cyclist	tt.c-urban_traffic_s&g_commands	3.1.1.5.22	t.c	It contains the manifestation of the output of stop or go (s&g) commands to cyclists using the urban road network. It will direct them to take actions so that their progress will make best use of the urban travel network.
P03160	Vehicle front-end	Vehicle Data Source	pshvs.mt_inter-urban_floating_car_data	5.13.7	3.1.2.8	It contains floating car data from a vehicle in the inter-urban traffic network. This data will enable the reconstruction of the motion characteristics and, together with that from other vehicles, the traffic behaviour in their local geographic area. The data consists of the current vehicle location and time stamp, as it relies on other functionality to use this data to determine such things as speed and direction of travel.
P03160	Vehicle front-end	Vehicle Data Source	pshvs.mt_inter-urban_xfcd	5.13.7	3.1.2.8	It contains extended floating car data (XFCD) from a Vehicle in the inter-urban traffic network. This data will enable the reconstruction of the location, intended route (way points) and motion characteristics of the Vehicle and, together with that from other Vehicles, the traffic behaviour in their local geographic area. Vehicle identity and status information such as ESP or ABS activities will - together with that from other vehicles - enable other data about traffic conditions to be determined, e.g. darkness (lights on), fog (fog lights on), rain (windscreen wipers active), Vehicle direction change (turn indicator use).
P03160	Vehicle front-end	Vehicle Data Source	pshvs.mt_urban_floating_car_data	5.13.7	3.1.1.8	It contains floating car data from a vehicle in the urban traffic network. This data will enable the reconstruction of the motion characteristics and, together with that from other vehicles, the traffic behaviour in their local geographic area.
P03160	Vehicle front-end	Vehicle Data Source	pshvs.mt_urban_xfcd	5.13.7	3.1.1.8	It contains extended floating car data (XFCD) from a Vehicle in the urban traffic network. This data will enable the reconstruction of the motion characteristics of the Vehicle and, together with that from other Vehicles, the traffic behaviour in their local geographic area. Vehicle identity and status information such as ESP or ABS activities will - together with that from other Vehicles - enable other data about traffic conditions to be determined, e.g. darkness (lights on), fog (fog lights on), rain (windscreen wipers active), Vehicle direction change (turn indicator use).
P03161	Vehicle front-end	Data Sources Layer	pshvs.mt_inter-urban_floating_car_data	5.13.7	3.1.2.8	It contains floating car data from a vehicle in the inter-urban traffic network. This data will enable the reconstruction of the motion characteristics and, together with that from other vehicles, the traffic behaviour in their local geographic area. The data consists of the current vehicle location and time stamp, as it relies on other functionality to use this data to determine such things as speed and direction of travel.
P03161	Vehicle front-end	Data Sources Layer	pshvs.mt_inter-urban_xfcd	5.13.7	3.1.2.8	It contains extended floating car data (XFCD) from a Vehicle in the inter-urban traffic network. This data will enable the reconstruction of the location, intended route (way points) and motion characteristics of the Vehicle and, together with that from other Vehicles, the traffic behaviour in their local geographic area. Vehicle identity and status information such as ESP or ABS activities will - together with that from other vehicles - enable other data about traffic conditions to be determined, e.g. darkness (lights on), fog (fog lights on), rain (windscreen wipers active), Vehicle direction change (turn indicator use).
P03161	Vehicle front-end	Data Sources Layer	pshvs.mt_urban_floating_car_data	5.13.7	3.1.1.8	It contains floating car data from a vehicle in the urban traffic network. This data will enable the reconstruction of the motion characteristics and, together with that from other vehicles, the traffic behaviour in their local geographic area.
P03161	Vehicle front-end	Data Sources Layer	pshvs.mt_urban_xfcd	5.13.7	3.1.1.8	It contains extended floating car data (XFCD) from a Vehicle in the urban traffic network. This data will enable the reconstruction of the motion characteristics of the Vehicle and, together with that from other Vehicles, the traffic behaviour in their local geographic area. Vehicle identity and status information such as ESP or ABS activities will - together with that from other Vehicles - enable other data about traffic conditions to be determined, e.g. darkness (lights on), fog (fog lights on), rain (windscreen wipers active), Vehicle direction change (turn indicator use).
P03162	Mobile probe system	Driver	td-current_commands_&_warnings	5.16.2	d	It contains dynamic warnings for display to the Driver. They may be about such things as traffic conditions, queues and their rates of propagation, speed limits, lane commands, road signs and general road information, plus warnings of the need to dip headlights, lane changing, safety behaviour, collision and emergency brake manoeuvres.
P03162	Mobile probe system	Driver	td-traffic_information	5.16.2	d	It contains information for the Driver about predicted and current traffic conditions and queues in the geographic region of the Vehicle.
P03163	Mobile probe system	Variable Message Signs Front-End	pshvs.mt_urban_traffic_queue_ahead_message	5.15.5	3.1.1.5.20	It contains data from which a warning message can be generated for output from the roadside to the Driver of the Host Vehicle to advise of traffic queue that will be encountered in the urban road network ahead of the Host Vehicle and any appropriate action that the Driver needs to take.
P03163	Mobile probe system	Variable Message Signs Front-End	pshvs_mt_urban_critical_atmospherical_message	5.15.5	3.1.1.5.20	It contains data from which a warning message can be generated for output from the roadside to the Driver of the Host Vehicle to advise of critical atmospherical conditions that will be encountered in the urban road network ahead of the Host Vehicle and any appropriate action that the Driver needs to take.

P03163	Mobile probe system	Variable Message Signs Front-End	pshvs_mt_inter-urban_critical_atmospheric_message	5.15.5	3.1.2.14.2	It contains data from which a warning message can be generated for output from the roadside to the Driver of the Host Vehicle to advise of critical atmospheric conditions that will be encountered in the inter-urban road network ahead of the Host Vehicle and any appropriate action that the Driver needs to take.
P03164	Mobile probe system	Front-ends Layer	pshvs_mt_urban_traffic_queue_ahead_message	5.15.5	3.1.1.5.20	It contains data from which a warning message can be generated for output from the roadside to the Driver of the Host Vehicle to advise of traffic queue that will be encountered in the urban road network ahead of the Host Vehicle and any appropriate action that the Driver needs to take.
P03164	Mobile probe system	Front-ends Layer	pshvs_mt_urban_critical_atmospherical_message	5.15.5	3.1.1.5.20	It contains data from which a warning message can be generated for output from the roadside to the Driver of the Host Vehicle to advise of critical atmospheric conditions that will be encountered in the urban road network ahead of the Host Vehicle and any appropriate action that the Driver needs to take.
P03164	Mobile probe system	Front-ends Layer	pshvs_mt_inter-urban_critical_atmospheric_message	5.15.5	3.1.2.14.2	It contains data from which a warning message can be generated for output from the roadside to the Driver of the Host Vehicle to advise of critical atmospheric conditions that will be encountered in the inter-urban road network ahead of the Host Vehicle and any appropriate action that the Driver needs to take.
P03165	Mobile probe system	Vehicle front-end	pshvs_current_vehicle_time_for_fcd	5.12.7	5.13.7	It contains the current time from the vehicle.
P03165	Mobile probe system	Vehicle front-end	pshvs_status_data_for_fcd	5.12.7	5.13.7	It contains data relating to the current status of the Vehicle, and its environment, such as speed, plus use of Vehicle equipment such as windscreen wipers, fog lamps, lights, turn indicators and any failure indications, plus outside temperature.
P03165	Mobile probe system	Vehicle front-end	pshvs_vehicle_position_for_fcd	5.13.6	5.13.7	It contains data on the current vehicle position derived from one or more means.
P03166	RTTI application	General Information Provider	tesp.gip-request_poi_information	6.5.3.9	esp.gip	It contains a request for information, such as location, opening times, price of service, nearest transport service points about Points of Interest"
P03166	RTTI application	General Information Provider	tesp.gip-request_ps_information	6.5.3.9	esp.gip	It contains a request for information, such as location, opening times, services available, prices, etc., about Points of Interest"
P03167	RTTI application	Multi-Modal Travel Information Provider	tesp.mmtip-request_travel_information	6.5.3.9	esp.mmtip	It contains a request for information about a journey involving the use of transport modes other than the private car, or a road-based freight vehicle.
P03168	RTTI application	Database	ptja_store_road_trip_planning_data	6.5.3.8	D6.3	It contains information about the road network and its current state that is being stored in the Road Trip Planning Data Store for use in subsequent trip planning activities.
P03169	RTTI application	Traveller Information Operator	to.tio-trip_planning_data_responses	6.5.3.7	o.tio	It contains a request from the Traveller Information Operator for information about trip-planning data.
P03170	RTTI application	Data Center Layer	ptja_store_road_trip_planning_data	6.5.3.8	D6.3	It contains information about the road network and its current state that is being stored in the Road Trip Planning Data Store for use in subsequent trip planning activities.
P03171	RTTI application	Traveller	tt-implemented_trip_plan_changes	6.3.13	t	It contains proposed revisions to the currently operating trip plan that are being proposed as a result of changes that have been detected in the travel network, or because the Traveller has requested a change.
P03171	RTTI application	Traveller	tt-output_GTP_data	6.7.1	t	It contains the output of the current General Trip Preferences (GTP) data that applies to a particular Traveller. The data flow is sent in response to a previous request for the output of the GTP data from the Traveller.
P03171	RTTI application	Traveller	tt-predicted_arrival_times_for_trip_plan	6.3.13	t	It contains the predictions for the Traveller of the arrival time at the trip destination and if reached before the destination, the arrival times at any way points.
P03171	RTTI application	Traveller	tt-requested_travel_information	6.6.1	t	It contains the requested travel information that is being output to the Traveller.
P03171	RTTI application	Traveller	tt-route_guidance_information	6.3.13	t	It contains directions for the Traveller to follow. These directions constitute the dynamic route guidance that can be provided to the Traveller if requested.
P03171	RTTI application	Traveller	tt-travel_information	6.6.3	t	It contains information about travel conditions and POI/PS that are output to Travellers.
P03172	RTTI application	Pre-Trip Traveller	tt.ptt-itinerary_initial	6.5.10	t.ptt	It contains the initial itinerary for the trip (trip plan) based on information provided by the Traveller.
P03172	RTTI application	Pre-Trip Traveller	tt.ptt-trip_alternatives	6.5.10	t.ptt	It contains proposals for trip plans that may not completely conform to the preferences, plus primary" and "secondary" criteria provided by the Traveller. They are therefore considered as alternatives to the trip plan that has been (or would have been) produced from the data originally provided by the Traveller."
P03173	Traveller	Elaboration Tasks	ft-incident_notification	t	3.2.13	It contains details of an incident that are being provided by a Traveller. In this case the Traveller may be a Pedestrian, a Static Traveller, or a Dynamic Traveller.
P03174	Traveller	Data Center Layer	ft-incident_notification	t	3.2.13	It contains details of an incident that are being provided by a Traveller. In this case the Traveller may be a Pedestrian, a Static Traveller, or a Dynamic Traveller.
P03175	Traveller	RTTI application	ft-general_trip_preferences	t	6.7.1	It contains information about the Traveller's General Trip Preferences (GTP). This may be a simple identity of the set of GTP data that is to be used. The actual data will have been input previously using a different Data Flow and will contain information that is common for every trip that will be planned by the Traveller.
P03175	Traveller	RTTI application	ft-GTP_data_updates	t	6.3.13	It contains updates to the General Trip Preferences (GTP) data that is used to plan trips for the Traveller.
P03175	Traveller	RTTI application	ft-post_trip_preferences	t	6.7.1	It contains updates to the current set of Traveller's General Trip Preferences (GTP) for use in future trip planning. The data is generated as a result the success of a trip that the Traveller has just completed. Its use and availability removes from the Traveller the need for the repeated input of the same data every time a trip is planned.
P03175	Traveller	RTTI application	ft-requested_implementing_trip_plan_change	t	6.3.13	It contains a request from the Traveller for changes to be made to the trip plan that is currently being implemented. The actual required changes will be included in the request and may be for such things as destination, way points, and modes of travel.
P03175	Traveller	RTTI application	ft-request_general_trip_preferences	t	6.7.1	It contains a request from the Traveller for the output of all of the General Trip Preferences that they have provided.
P03175	Traveller	RTTI application	ft-request_trip_plan_implementation	t	6.3.13	It contains a request from the Traveller for the implementation of a previously prepared trip plan.
P03175	Traveller	RTTI application	ft-traveller_information_request	t	6.6.1	It contains a request from the Traveller for the output of some specified travel information.
P03176	Pre-Trip Traveller	RTTI application	ft.ptt-basic_trip_parameters	t.ptt	6.5.10	It contains basic data about the trip that is to be planned and may include data such as, the date on which the trip will be made (or start), the locations of the origin and destination of the trip, the departure and arrival times, places to be visited (or passed through, i.e. way points) for the trip, places to be avoided, travel modes to be used and/or avoided, the type of road Vehicle that will be used for all of part of the trip, the identity of the Traveller preparing the trip (enables their General Trip Preferences (GTP) to be used, if available), the number of Travellers and information about any goods that are being carried.

P03176	Pre-Trip Traveller	RTTI application	ft.ptt-modified_trip_parameters	t.ptt	6.5.10	It contains modifications to the original trip plan data that the Traveller provides after the initial trip plan has been provided, and will consist of items such as alternative modes of travel and alternative places to be passed through between the origin and the destination.
P03177	Transport Planner	Post Elaboration Tasks	ftp-request_traffic_prediction_results	tp	3.1.6.5	It contains a request from the Transport Planner for output of a particular set of simulation results. The identity of the set will be specified in the request.
P03178	Transport Planner	Data Center Layer	ftp-request_traffic_prediction_results	tp	3.1.6.5	It contains a request from the Transport Planner for output of a particular set of simulation results. The identity of the set will be specified in the request.
P03179	Traffic	Traffic Station Data Source	fttrfc-inter-urban_traffic_flow_data	trfc	3.1.2.10	It contains analogue data from which the way in which traffic is flowing around the inter-urban road network can be determined.
P03179	Traffic	Traffic Station Data Source	fttrfc-urban_traffic_flow_data	trfc	3.1.1.10	It contains analogue data from which the way in which traffic is flowing around the urban road network can be determined.
P03180	Traffic	Parking Data Source	fttrfc-carpark_vehicle_data	trfc	3.1.4.1	It contains analogue data from which the numbers of vehicles entering and leaving car parks within the urban road network can be determined.
P03180	Traffic	Parking Data Source	fttrfc-service_area_vehicle_data	trfc	3.1.5.1	It contains analogue data from which the numbers of vehicles entering and leaving service areas within the inter-urban road network can be determined.
P03181	Traffic	Elaboration Tasks	fttrfc-presence_indication	trfc	3.2.12	It contains analogue data that will be analysed to see if it shows the presence of a possible incident on the road network.
P03182	Traffic	Traffic Lights Front-End	fttrfc-local_traffic_presence_data	trfc	3.1.1.5.22	It contains analogue data that will be used to detect the presence of a vehicle for use in the local operation of urban output actuation Functions.
P03183	Traffic	Data Sources Layer	fttrfc-carpark_vehicle_data	trfc	3.1.4.1	It contains analogue data from which the numbers of vehicles entering and leaving car parks within the urban road network can be determined.
P03183	Traffic	Data Sources Layer	fttrfc-inter-urban_traffic_flow_data	trfc	3.1.2.10	It contains analogue data from which the way in which traffic is flowing around the inter-urban road network can be determined.
P03183	Traffic	Data Sources Layer	fttrfc-service_area_vehicle_data	trfc	3.1.5.1	It contains analogue data from which the numbers of vehicles entering and leaving service areas within the inter-urban road network can be determined.
P03183	Traffic	Data Sources Layer	fttrfc-urban_traffic_flow_data	trfc	3.1.1.10	It contains analogue data from which the way in which traffic is flowing around the urban road network can be determined.
P03184	Traffic	Data Center Layer	fttrfc-presence_indication	trfc	3.2.12	It contains analogue data that will be analysed to see if it shows the presence of a possible incident on the road network.
P03185	Traffic	Front-ends Layer	fttrfc-local_traffic_presence_data	trfc	3.1.1.5.22	It contains analogue data that will be used to detect the presence of a vehicle for use in the local operation of urban output actuation Functions.
P03186	Public Transport Vehicle	Traffic Lights Front-End	fv.ptv-local_priority_request	v.ptv	3.1.1.5.22	It contains an indication of the presence of a Public Transport vehicle that needs localised priority at a controlled road junction.
P03187	Public Transport Vehicle	Front-ends Layer	fv.ptv-local_priority_request	v.ptv	3.1.1.5.22	It contains an indication of the presence of a Public Transport vehicle that needs localised priority at a controlled road junction.
P03188	Vehicle Systems	On-board Telematic Unit	fv.vs-input_data	v.vs	5.12.7	It contains the data that is being provided by the In-vehicle Systems to the System for use by its functionality. As a minimum, this data shall include such things as the status of the power unit, drive train, safety systems (air bags, seat belt tensioners, etc.), brakes (including ABS operation), lights (to indicate darkness), windscreen wipers (to indicate precipitation), turn indicators (if operating in which direction) and steering wheel (direction in which they are pointing relative to the Vehicle), plus weather data such as temperature, presence of a load (heavy goods vehicles only), towing a trailer, and static data such as Vehicle size and weight.
P03188	Vehicle Systems	On-board Telematic Unit	fv.vs-input_data	v.vs	5.12.7	It contains the data that is being provided by the In-vehicle Systems to the System for use by its functionality. As a minimum, this data shall include such things as the status of the power unit, drive train, safety systems (air bags, seat belt tensioners, etc.), brakes (including ABS operation), lights (to indicate darkness), windscreen wipers (to indicate precipitation), turn indicators (if operating in which direction) and steering wheel (direction in which they are pointing relative to the Vehicle), plus weather data such as temperature, presence of a load (heavy goods vehicles only), towing a trailer, and static data such as Vehicle size and weight.
P03189	Vehicle Systems	Mobile probe system	fv.vs-input_data	v.vs	5.12.7	It contains the data that is being provided by the In-vehicle Systems to the System for use by its functionality. As a minimum, this data shall include such things as the status of the power unit, drive train, safety systems (air bags, seat belt tensioners, etc.), brakes (including ABS operation), lights (to indicate darkness), windscreen wipers (to indicate precipitation), turn indicators (if operating in which direction) and steering wheel (direction in which they are pointing relative to the Vehicle), plus weather data such as temperature, presence of a load (heavy goods vehicles only), towing a trailer, and static data such as Vehicle size and weight.
P03190	Weather Systems	Meteo Data Source	fws-weather_data	ws	3.4.1	It contains data about current and forecast weather conditions over the geographic area managed by the System.
P03191	Weather Systems	User Data Source	fws-weather_information	ws	3.3.1	It contains data about current and forecast weather conditions over the geographic area managed by the System.
P03192	Weather Systems	Data Sources Layer	fws-weather_data	ws	3.4.1	It contains data about current and forecast weather conditions over the geographic area managed by the System.
P03192	Weather Systems	Data Sources Layer	fws-weather_information	ws	3.3.1	It contains data about current and forecast weather conditions over the geographic area managed by the System.