

ANNEX 3 - Selected Data Flows

Acronym	Description	Parent ae	Target
fae-local_vehicle_atmospheric_conditions	It contains analogue data from which the environmental conditions local to the vehicle can be determined.		5.15.1.4
fae-weather_inputs	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.	ae	3.4.1
fd-request_relevant_incident_information	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.	d	5.16.2
fesp.b-inter-urban_traffic_information_request	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.	esp.b	3.1.2.9
fesp.b-request_current_incident_strategies	It contains a request from the Broadcaster for a repeat output of the incident strategies currently in use.	esp.b	3.2.9
fesp.b-request_incident_data	It contains a request from the Broadcaster for details of current and foreseen incidents including events.	esp.b	3.2.9
fesp.b-urban_traffic_information_request	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.	esp.b	3.1.1.9
fesp.g-data_for_road_information	It contains geographic data from which, given a set of co-ordinates, the current Vehicle location can be identified.	esp.g	5.13.6
fesp.g-inter-urban_static_road_data	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.	esp.g	3.1.2.6
fesp.gip-poi_information	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, museums, parks, gardens, etc.) in a specific locality. The arrival of the Data Flow may be as a result of a previous request, or it may be unsolicited.	esp.gip	6.5.3.9
fesp.gip-ps_information	It contains information such as location, opening times, services that are provided, prices, etc. about "Personal Services" (e.g. doctor, chemist, etc.) in a specific locality. The arrival of the Data Flow may be as a result of a previous request, or it may be unsolicited.	esp.gip	6.5.3.9
fesp.g-map_data_for_travel_information	It contains digital data from which maps can be produced on which the travel information can be displayed.	esp.g	6.6.1
fesp.g-trip_plan_implementation_map_data	It contains digital map data for use in the implementation of a trip plan by a Traveller.	esp.g	6.3.10
fesp.g-urban_static_road_data	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.	esp.g	3.1.1.6
fesp.mmtip-requested_travel_information	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.	esp.mmtip	6.5.3.9
fesp.peo_event_data	It contains details of a planned event that will have an impact on operation of the road network or any road related transport services.	esp.peo	3.2.13
fesp.ttip-request_current_incident_strategies	It contains a request from the Traffic and Travel Information Provider for a repeat output of the incident strategies currently in use.	esp.ttip	3.2.9
fesp.ttip-request_incident_data	It contains a request from the Traffic and Travel Information Provider for details of current and foreseen incidents including events.	esp.ttip	3.2.9
fids-location_data_for_incident_warnings	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.	lds	3.2.14
fids-ptja_location_for_information	It contains data from a device used by a Traveller that can calculate its geographic position and hence provide the position of the Traveller.	lds	6.6.1
fids-ptja_traveller_location	It contains analogue or digital data from which functionality can determine the current location of a Traveller for implementing a trip plan.	lds	6.3.10
fmms.mms-rail_service_information	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.	mms.mmms	3.3.1
fmo.rmo-equipment_maintenance_activity_update	It contains input from the Maintenance Organisation showing the current status of equipment maintenance activities that it has been requested to carry out.	mo.rmo	3.5.12
fo.rno-confirm_environmental_actions	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.	o.rno	3.4.7
fo.rno-demand_management_inputs	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:	o.rno	3.3.5
fo.rno-request_environmental_data_analysis	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.	o.rno	3.4.7
fo.tio-trip_planning_data_requests	It contains responses to previous requests from the Traveller Information Operator for information about trip-planning data.	o.tio	6.5.3.7
fors.etms-environmental_data_updates	It contains data about environmental conditions that is being transferred from another System.	ors.etms	3.4.8
fors.itms-incident_strategy	It contains details of incident strategies being implemented by other TCCs.	ors.itms	3.2.6
fors.iutms-inter-urban_data_updates	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.	ors.iutms	3.1.2.16
fors.iutms-inter-urban_traffic_management_strategy	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.	ors.iutms	3.1.2.13.5
ft.ptt-basic_trip_parameters	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.	t.ptt	6.5.10
ft.ptt-modified_trip_parameters	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.	t.ptt	6.5.10
ft-general_trip_preferences	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.	t	6.7.1
ft-GTP_data_updates	It contains updates to the General Trip Preferences (GTP) data that is used to plan trips for the Traveller.	t	6.3.13
ft-incident_notification	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.	t	3.2.13
ft-post_trip_preferences	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.	t	6.7.1
ftp-request_traffic_prediction_results	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.	tp	3.1.6.5
ft-request_general_trip_preferences	It contains a request from the Traveller for the output of all of the General Trip Preferences that they have provided.	t	6.7.1
ft-request_trip_plan_implementation	It contains a request from the Traveller for the implementation of a previously prepared trip plan.	t	6.3.13
ft-requested_implementing_trip_plan_change	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.	t	6.3.13
trfc-carpark_vehicle_data	It contains analogue data from which the numbers of vehicles entering and leaving car parks within the urban road network can be determined.	trfc	3.1.4.1
trfc-inter-urban_traffic_flow_data	It contains analogue data from which the way in which traffic is flowing around the inter-urban road network can be determined.	trfc	3.1.2.10
trfc-local_traffic_presence_data	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.	trfc	3.1.1.5.22
trfc-presence_indication	It contains analogue data that will be analysed to see if it shows the presence of a possible incident on the road network.	trfc	3.2.12
trfc-service_area_vehicle_data	It contains analogue data from which the numbers of vehicles entering and leaving service areas within the inter-urban road network can be determined.	trfc	3.1.5.1
trfc-urban_traffic_flow_data	It contains analogue data from which the way in which traffic is flowing around the urban road network can be determined.	trfc	3.1.1.10
ft-traveller_information_request	It contains a request from the Traveller for the output of some specified travel information.	t	6.6.1
fv.ptv-local_priority_request	It contains an indication of the presence of a Public Transport vehicle that needs localised priority at a controlled road junction.	v.ptv	3.1.1.5.22

fv.vs-input_data	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.	v.vs	5.12.7
fws-weather_data	It contains data about current and forecast weather conditions over the geographic area managed by the System.	ws	3.4.1
fws-weather_information	It contains data about current and forecast weather conditions over the geographic area managed by the System.	ws	3.3.1
mt.psef_incident_notification	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.	3.2.8	2.1.2.1
mt.pshvs_c&i_outputs_for_driver_display	It contains the "command & information" (c&i) outputs which are being sent directly to Vehicles for display to Drivers by in-Vehicle output functionality.	3.1.1.5.24	5.16.1
mt.pshvs_c&i_state_for_driver_display	It contains the current state of the "command and information" (c&i) output to Drivers and is for use by in-Vehicle output functionality.	3.1.1.5.20	5.16.1
mt.pshvs_carpark_information	It contains information about the current status of car parks that is for output to Drivers via in-Vehicle devices.	3.1.4.9	5.16.1
mt.pshvs_global_incident_related_warnings	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.	3.2.8	5.16.1
mt.pshvs_inter-urban_queue_information	It contains information about the location and rate of propagation of traffic queues in the inter-urban road network.	3.1.2.9	5.16.1
mt.pshvs_local_incident_related_warnings	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.	3.2.14	5.16.1
mt.pshvs_predicted_traffic_conditions_for_driver	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.	3.1.6.6	5.16.1
mt.pshvs_urban_queue_information	It contains information about the location and rate of propagation of traffic queues in the urban road network.	3.1.1.9	5.16.1
mt.pshvs_vehicle_s&g_input	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.	3.1.1.5.22	5.12.7
mt.ptja_carpark_occupancy	It contains the current car park occupancies, necessary for trip planning.	3.1.4.4	6.5.3.8
mt.ptja_incident_information_PRT	It contains information about an incident that has been detected by the Manage Traffic functions about which information needs to be sent to travellers.	3.2.8	6.5.3.8
mt.ptja_inter-urban_network_conditions	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.	3.1.2.9	6.5.3.8
mt.ptja_inter-urban_recommended_routes	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.	3.1.2.13.5	6.5.3.9
mt.ptja_inter-urban_road_network_data	It contains static data about the inter-urban road network for use in trip plan preparation.	3.1.2.6	6.5.3.8
mt.ptja_pollution	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.	3.4.11	6.5.3.8
mt.ptja_road_network_traffic_predictions	It contains predictions of the future traffic conditions within the total road network based on the results from traffic simulations.	3.1.6.6	6.5.3.8
mt.ptja_urban_network_conditions	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.	3.1.1.9	6.5.3.8
mt.ptja_urban_recommended_routes	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.	3.1.1.5.24	6.5.3.9
mt.ptja_urban_road_network_data	It contains static data about the urban road network for use in trip plan preparation.	3.1.1.6	6.5.3.8
mt.ptja_walking_and_cycling_info	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.	3.3.7	6.5.3.8
mt.ptja_weather_information_PRT	It contains general weather information to produce an appropriate route.	3.4.11	6.5.3.8
mt_atmospheric_pollution_data_inputs	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.	3.4.2	3.4.8
mt_carpark_occupancy_for_demand_management	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.	3.1.4.4	3.3.1
mt_carpark_occupancy_for_inter-urban	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.	3.1.4.4	3.1.5.3
mt_confirm_environmental_actions	It contains confirmation from the Road Network Operator that the suggested environmental actions are to be implemented.	3.4.7	3.4.11
mt_demand_data_for_checking	It contains a previously requested demand strategy, or revised data about the use of transport modes following the implementation of a strategy.	3.3.9	3.3.6
mt_demand_data_load	It contains data that loaded into the Demand Management Store. The data can be about the use of transport modes or new demand management strategies.	3.3.9	D3.5
mt_demand_data_read	It contains data that has been read from the Demand Management Store. The data can be about the use of transport modes or demand management strategies.	D3.5	3.3.9
mt_demand_management_environmental_data	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.	3.4.11	3.3.1
mt_demand_management_information	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.	3.3.7	3.3.13
mt_demand_management_strategy_commands	It contains a request for the implementation of a demand management strategy.	3.3.5	3.3.9
mt_demand_management_strategy_responses	It contains the response to a request for the implementation of a demand management strategy. Alternatively it can contain an analysis of the results of implementing a previously requested strategy.	3.3.7	3.3.5
mt_demand_strategy_for_implementation	It contains details of the demand management strategy that is to be implemented.	3.3.9	3.3.7
mt_demand_strategy_data_update	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, and the priority to be given to particular modes.	3.3.5	3.3.9
mt_environmental_conditions_operator_requests	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.	3.4.7	3.4.8
mt_environmental_conditions_operator_responses	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.	3.4.8	3.4.7
mt_environmental_data_for_analysis	It contains current and predicted environmental data from the Environmental Data Store that is to be analysed by the Determine Environmental Actions Function.	3.4.8	3.4.11
mt_environmental_incident_inputs	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.	3.4.11	3.2.13
mt_environmental_information	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.	3.4.11	3.4.10
mt_incident_data_for_assessment	It contains data about incidents that has been retrieved from the Incident Data Store (D3.7) and is for assessment.	3.2.10	3.2.6
mt_incident_detection_data	It contains data about a new incident that has been detected. The detection will have been carried out by a specialist Function and be based on either raw traffic data, or some indication of vehicle presence. The data is being sent to the incident classification Function for further processing.	3.2.12	3.2.13
mt_incident_strategy_for_external	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.	3.2.6	3.2.9
mt_incident_strategy_for_internal	It contains details of the incident strategy that is to be implemented and is for use by other parts of the Manage Traffic functionality.	3.2.6	3.2.7

mt_incident_strategy_for_others	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.	3.2.6	3.2.8
mt_incident_strategy_for_vehicles	It contains details from the incident strategy that is to be implemented and is for use by functionality in the Vehicle.	3.2.6	3.2.14
mt_inter-urban_current_traffic_data_for_demand	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.	3.1.2.10	3.3.1
mt_inter-urban_data_for_traffic_predictions	It contains traffic data for use in the prediction of traffic conditions in the inter-urban road network.	3.1.2.16	3.1.6.2
mt_inter-urban_demand_management_strategy	It contains the portion of a demand management strategy that affects the way in which traffic using the inter-urban road network managed by the System. As an alternative it can contain the request to cancel a strategy implementation command sent previously.	3.3.7	3.1.2.13.5
mt_inter-urban_environmental_inputs	It contains details of current and predicted environmental conditions for the geographic area managed by the System for use in managing traffic on the inter-urban road network. This data will be used both to influence traffic management strategies and as the source of pollution warning messages for output to Drivers.	3.4.11	3.1.2.13.5
mt_inter-urban_network_long-term_prediction_data	It contains predictions of the traffic conditions that will exist in the future within the inter-urban road network.	3.1.6.6	3.1.2.13.5
mt_inter-urban_response_fault	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.	3.1.2.14.4	3.5.12
mt_inter-urban_strategies_in_use	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.	3.1.2.13.5	3.1.6.4
mt_inter-urban_strategy_command_output_failure	It contains details of an inter-urban strategy command output failure that is for use by the Maintenance Organisation.	3.1.2.14.4	3.5.12
mt_inter-urban_to_urban_traffic_data_transfers	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.	3.1.2.16	3.1.1.14
mt_inter-urban_traffic_data_for_demand	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.	3.1.2.16	3.3.1
mt_inter-urban_traffic_data_for_incident_detection	It contains raw traffic data from points in the inter-urban road network that can be analysed to see if an incident has occurred.	3.1.2.10	3.2.12
mt_inter-urban_traffic_data_for_incidents	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.	3.1.2.16	3.2.6
mt_inter-urban_traffic_long-term_prediction_data	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).	3.1.6.6	3.1.2.16
mt_inter-urban_traffic_management_c&i_request	It contains details of the outputs that are to be displayed by command and information devices to drivers using the inter-urban road network. These details may include but not be limited to the identity and/or location of the device and the actual output to be displayed.	3.1.2.14.4	3.1.2.14.2
mt_inter-urban_traffic_management_c&i_response	It contains details of the response to the previous request for displays to be shown by command and information output devices to drivers using the inter-urban road network. These details may include but not be limited to the identity and/or location of the device and the actual response to the previous display command.	3.1.2.14.2	3.1.2.14.4
mt_inter-urban_xfcd_for_incident_detection	It contains vehicle status data for improved incident detection collected from those Vehicles using the inter-urban road network.	3.1.2.8	3.2.12
mt_load_car_park_data	It contains static data about car parks, plus real-time data about their levels of occupancy that is being loaded in the store of car park data.	3.1.4.8	D3.9
mt_load_environmental_conditions_data	It contains requests for data to be read from the Environmental Data Store (D3.3). It may also contain requests for data to be deleted or in some way managed, e.g. compressed.	3.4.8	D3.3
mt_load_incident_data	It contains data that is to be loaded into the Incident Data Store (D3.4). This data will contain details of incidents, both current and planned.	3.2.10	D3.4
mt_load_incident_strategies	It contains an incident strategy that is to be loaded into the Data Store.	3.2.6	D3.12
mt_load_inter-urban_traffic_data	It contains data that is being loaded into the Inter-urban Traffic Data Store (D3.2).	3.1.2.16	D3.14
mt_load_maintenance_data	It contains data that is being loaded into the Maintenance Data Store (D3.6). This data flow may contain either details of maintenance and repair operations that can be carried out on the road network or equipment, details of de-icing activities, confirmation that activities have been requested from the Maintenance Organisation, or the current status of the activities.	3.5.8	D3.6
mt_load_prediction_data	It contains new or updated data that is to be loaded into the Road Traffic Simulation Data Store.	3.1.6.4	D3.11
mt_load_urban_traffic_data	It contains data that is being loaded into the Urban Traffic Data Store (D3.1).	3.1.1.14	D3.13
mt_new_incident_data	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.	3.2.13	3.2.10
mt_operator_urban_speed_override	It contains a request from the Operator to change the speed setting on one or more parts of the urban road network. This may override the current speed setting, imposed by the operator, or automatically as part of a time of day dependent sequence of changes.	3.1.1.5.10	3.1.1.5.18
mt_read_car_park_data	It contains static data about car parks, plus real-time data about their levels of occupancy that is being read from the store of car park data.	D3.9	3.1.4.8
mt_read_environmental_conditions_data	It contains data that has been read from the Environmental Data Store (D3.3). The data will have been provided in response to a previous request from the Store management Function.	D3.3	3.4.8
mt_read_incident_data	It contains data that is being read from the Incident Data Store (D3.4). This data will contain details of incidents, both current and planned.	D3.4	3.2.10
mt_read_incident_strategies	It contains one or more incident strategies that have been read from the Data Store.	D3.12	3.2.6
mt_read_inter-urban_traffic_data	It contains data that has been read from the Inter-urban Traffic Data Store (D3.2).	D3.14	3.1.2.16
mt_read_maintenance_data	It contains data that is being loaded into the Maintenance Data Store (D3.6). This data flow may contain either details of maintenance and repair operations that can be carried out on the road network or equipment, details of de-icing activities, or the current status of activities have been requested from the Maintenance Organisation, .	D3.6	3.5.8
mt_read_prediction_data	It contains a copy of the data that is currently held in the Road Traffic Simulation Data Store.	D3.11	3.1.6.4
mt_read_urban_traffic_data	It contains data that has been read from the Urban Traffic Data Store (D3.1).	D3.13	3.1.1.14
mt_request_incident_strategies_for_external	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.	3.2.9	3.2.6
mt_request_current_inter-urban_traffic_data	It contains a request for a copy of the current traffic data for the inter-urban road network.	3.1.2.15	3.1.2.16
mt_request_demand_data_for_analysis	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.	3.3.10	3.3.9
mt_request_demand_strategy	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.	3.3.6	3.3.9
mt_request_environmental_data_analysis	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.	3.4.7	3.4.8
mt_request_for_stored_incident_data	It contains a request for incident data to be read from the Incident Data Store (D 3.7) so that it can be assessed.	3.2.6	3.2.10
mt_request_incident_data	It contains a request for the current data about incidents and events for output to the Broadcaster and/or Traffic and Travel Information Provider.	3.2.9	3.2.10
mt_requested_current_inter-urban_traffic_data	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.	3.1.2.16	3.1.2.15
mt_requested_demand_data_for_analysis	It contains the previously requested collected data about the demand for the use of the road network from the Demand Data Store.	3.3.9	3.3.10
mt_requested_incident_data	It contains the requested current data about incidents and events for output to the Broadcaster and/or Traffic and Travel Information Provider.	3.2.10	3.2.9
mt_roadworks_information_for_incident_management	It contains information about roadworks that are taking place within the road network and is for use in managing their impact through incident management.	3.5.8	3.2.13
mt_service_area_entrance_exit_vehicle_detection	It contains an indication that a vehicle has entered has entered or left a service area.	3.1.5.1	3.1.5.2
mt_service_area_occupancies_for_demand_management	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.	3.1.5.2	3.3.1
mt_service_area_occupancy_for_store	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.	3.1.5.2	3.1.2.16
mt_service_area_status_for_store	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.	3.1.5.2	3.1.2.16
mt_short_&_medium_predicted_inter-urban_traffic	It contains short and medium term predictions of the traffic data for the inter-urban road network that have just been created.	3.1.2.15	3.1.2.16

mt_suggest_environmental_actions	It contains suggested actions resulting from the analysis of current and predicted environmental data by the Determine Environmental Actions Function. They are for display to and confirmation by the Road Network Operator.	3.4.11	3.4.7
mt_updated_demand_data	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.	3.3.1	3.3.9
mt_updated_incident_data	It contains incident data that is to be re-loaded into the Incident Data Store (D3.7) following its assessment.	3.2.6	3.2.10
mt_updated_urban_speed_limits	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.	3.1.1.5.18	3.1.1.11
mt_urban_c&i_equipment_fault	It contains input from an item of urban roadside command and information equipment that it believes that it is faulty.	3.1.1.5.20	3.5.12
mt_urban_current_traffic_data_for_demand	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.	3.1.1.10	3.3.1
mt_urban_data_for_traffic_predictions	It contains current and historic traffic data for use in the calculation of predicted traffic data.	3.1.1.14	3.1.6.2
mt_urban_demand_management_strategy	It contains the portion of a demand management strategy that affects the way in which traffic using the urban road network managed by the System. As an alternative it can contain the request to cancel a strategy implementation command sent previously.	3.3.7	3.1.1.5.24
mt_urban_environmental_inputs	It contains details of current and predicted environmental conditions for the geographic area managed by the System for use in managing traffic on the urban road network. This data will be used both to influence traffic management strategies and as the source of pollution warning messages for output to Drivers and Travellers.	3.4.11	3.1.1.5.24
mt_urban_network_long-term_prediction_data	It contains long-term predictions of the traffic conditions that will exist in the future within the urban road network.	3.1.6.6	3.1.1.5.24
mt_urban_parking_strategy	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.	3.3.7	3.1.4.4
mt_urban_response_fault	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.	3.1.1.5.24	3.5.12
mt_urban_roads_legal_speeds	It contains the legal speed limits for each section of the urban road network for use in setting recommended speeds.	3.1.1.6	3.1.1.5.18
mt_urban_s&g_equipment_fault	It contains input from an item of urban roadside stop and go equipment that it believes that it is faulty.	3.1.1.5.22	3.5.12
mt_urban_speed_and_headway_settings	It contains requests for a speed and/or headway setting to be imposed (or a current setting cleared) on one or more parts of the urban road network. This is being implemented automatically either as part of a time of day dependent sequence of changes, or as part of an incident, demand management, or environmental strategy. The reason for the setting being applied will be included.	3.1.1.5.24	3.1.1.5.18
mt_urban_speed_limit_changes	It contains changes to the speed limits for urban roads that are to be output to the Broadcaster and other functionality within the System.	3.1.1.5.18	3.1.1.9
mt_urban_strategies_in_use	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.	3.1.1.5.24	3.1.6.4
mt_urban_to_inter-urban_traffic_data_transfers	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.	3.1.1.14	3.1.2.16
mt_urban_traffic_data_for_demand	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.	3.1.1.14	3.3.1
mt_urban_traffic_data_for_incident_detection	It contains raw traffic data from points in the urban road network that can be analysed to see if an incident has occurred.	3.1.1.10	3.2.12
mt_urban_traffic_data_for_incidents	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.	3.1.1.14	3.2.6
mt_urban_traffic_long-term_prediction_data	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.	3.1.6.6	3.1.1.14
mt_urban_xfcd_for_incident_detection	It contains vehicle status data for improved incident detection collected from those Vehicles using the urban road network.	3.1.1.8	3.2.12
mt_weather_condition_data_inputs	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.	3.4.1	3.4.8
pshvs.mt_inter-urban_floating_car_data	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.	5.13.7	3.1.2.8
pshvs.mt_inter-urban_xfcd	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).	5.13.7	3.1.2.8
pshvs.mt_urban_floating_car_data	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.	5.13.7	3.1.1.8
pshvs.mt_urban_traffic_queue_ahead_message	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.	5.15.5	3.1.1.5.20
pshvs.mt_urban_xfcd	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).	5.13.7	3.1.1.8
pshvs_content_for_driver_output	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.	5.16.1	5.16.2
pshvs_current_vehicle_time_for_fcd	It contains the current time from the vehicle.	5.12.7	5.13.7
pshvs_local_vehicle_atmospheric_data	It contains inputs provided by sensors from which the environmental conditions local to the Host Vehicle can be determined.	5.15.1.4	5.15.5
pshvs_mt_inter-urban_critical_atmospheric_message	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.	5.15.5	3.1.2.14.2
pshvs_mt_urban_critical	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.	ae	3.4.2
pshvs_mt_urban_critical_atmospherical_message	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.	5.15.5	3.1.1.5.20
pshvs_status_data_for_fcd	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.	5.12.7	5.13.7
pshvs_vehicle_position_for_fcd	It contains data on the current vehicle position derived from one or more means.	5.13.6	5.13.7
ptja_GTP_data	It contains information as provided by a Traveller to personalise assistance during information retrieval, trip planning and trip performance. The identity of the Traveller providing the data must be included.	6.7.1	6.7.4
ptja_GTP_update	It contains GTP data from a post trip evaluation that is to be used to update the Traveller's General Trip Preferences. The identity of the Traveller providing the data must be included	6.7.1	6.7.4
ptja_load_travel_information	It contains data about travel conditions, including that for all modes of travel plus Point of Interest (POI), Personal Services (PS) and tolls for use in information that the Travel Information Operator is making available to Travellers when they request it.	6.6.4	D6.5
ptja_modified_trip_plan_requirements	It contains revised data about a Traveller's intended trip plan. It is sent when a Traveller wishes to revise the data because the trip plan that has been produced is not to their satisfaction.	6.5.10	6.5.3.9
ptja_other_mode_data_for_travel_information	It contains data about the services provided by other transport modes that has been obtained for use in Traveller Trip Plans and is now being made available for use in travel information.	6.5.3.9	6.6.2

ptja_post_trip_preferences	It contains any comments on the performance of the trip and (optionally) any resulting changes that the Traveller is making to their GTP data.	6.7.1	6.7.2
ptja_PT_information	It contains information about PT services that is used for trip planning but is being made available for use in travel information.	6.5.3.10	6.6.2
ptja_PT_trip_data_for_travel_information	It contains data from the PT Trip Planning Data Store that may be used to provide travel information to Travellers.	D6.4	6.5.3.10
ptja_read_PT_trip_planning_data	It contains data about Public Transport services that is being read from the PT Trip Planning Data Store and is for use by the Traveller Information Operator.	D6.4	6.5.3.7
ptja_read_road_trip_planning_data	It contains data that is being read from the Road Trip Planning Data Store and is for use by the Traveller Information Operator.	D6.3	6.5.3.7
ptja_read_travel_information	It contains the requested raw travel data for processing and output as Information as a result of a request from a Traveller.	D6.5	6.6.4
ptja_request_applicable_GTP_parameters	It contains a request for the supply of parameters from the General Trip Preferences Data Store that are applicable to the trip that is being planned by a particular Traveller. The identity of the Traveller requesting the Preferences must be included.	6.5.10	6.7.4
ptja_request_post_trip_preferences	It contains a request that the Traveller provides an update to their GTP data following the completion of a planned trip.	6.7.2	6.7.1
ptja_request_travel_information	It contains a request for raw travel information that is to be processed and output to the Traveller.	6.6.1	6.6.4
ptja_requested_applicable_GTP_parameters	It contains the requested parameters from the General Trip Preferences Data store that are applicable to the trip that is being planned by a particular Traveller. The identity of the Traveller whose Preferences are being provided must be included.	6.7.4	6.5.10
ptja_requested_GTP_data	It contains only the GTP data for a particular Traveller who has made a request to see all of their Preferences.	6.7.4	6.7.1
ptja_retrieve_ffm_route_planning_data	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.	D6.3	6.5.3.13
ptja_retrieve_PT_trip_planning_data	It contains data about Public Transport services that is being retrieved from the PT Trip Planning Data Store for use in planning a Traveller's trip.	D6.4	6.5.3.9
ptja_retrieve_road_situation_data	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.	D6.3	6.5.3.13
ptja_retrieve_road_trip_planning_data	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.	D6.3	6.5.3.9
ptja_road_data_for_travel_information	It contains data from the Road Trip Planning Data Store that may be used to provide travel information to Travellers.	D6.3	6.5.3.10
ptja_road_information	It contains information about road and traffic conditions that is used for trip planning but is being made available for use in travel information.	6.5.3.10	6.6.2
ptja_store_PT_trip_planning_data	It contains information about Public Transport services that is being stored in the PT Trip Planning Data Store for use in subsequent trip planning activities.	6.5.3.3	D6.4
ptja_store_road_trip_planning_data	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.	6.5.3.8	D6.3
ptja_travel_information_for_output	It contains data about both road and non-road travel conditions, plus Point of Information (POI), Personal Services (PS) and toll information that are to be output to Travellers.	6.6.4	6.6.3
ptja_travel_information_response	It contains the information requested by the Traveller. Note that this may not be all of the information that the Traveller requested, in which case the missing "bits" will have to be requested by the receiving function.	6.6.4	6.6.1
ptja_traveller_trip_description	It contains the description of a trip that has been produced in response to a request from a Traveller. Details such as the origin, destination, other places to be passed through during the trip, modes being used for each part of the trip, plus details of the required PT services and those provided by other modes. Any changes from the trip as originally proposed by the Traveller will be highlighted.	6.5.3.9	6.5.10
ptja_traveller_trip_requirement	It contains the description of a trip that a Traveller is planning, including origin, destination, places to be included in the trip, modes for each part of the trip, plus details of required PT services and those provided by other modes and information from the GTP Data Store.	6.5.10	6.5.3.9
ptja_trip_guidance_instructions	It contains the step by step instructions that the Traveller has to follow in order to implement the requested trip plan and applies for all modes of travel that are included in the plan.	6.3.10	6.3.13
ptja_trip_results_from_traveller	It contains data about the result of a trip with (optionally) comments from the Traveller that can be used to update of the GTP data store or the definition of a trip plan implementation for later reuse.	6.3.13	6.7.4
ptja_updated_travel_information	It contains a new set of travel information that is to be loaded into the Travel Information data store so that it can be made available to Travellers on request or output directly to Travellers at the request of the Travel Information Operator.	6.6.2	6.6.4
td-carpark_occupancy	It contains the current car park occupancy (number of spaces) that is being output to Drivers.	3.1.4.9	d
td-carpark_status	It contains the current car park status that is being output to Drivers.	3.1.4.9	d
td-current_commands_&_warnings	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.	5.16.2	d
td-demand_management_information	It contains information that is being output to Drivers as part of a demand management strategy implementation.	3.3.13	d
td-environmental_information	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.	3.4.10	d
td-service_area_occupancy	It contains the current service area occupancy (number of spaces) that is being output to Drivers.	3.1.5.3	d
td-service_area_status	It contains the current service area status that is being output to Drivers.	3.1.5.3	d
td-traffic_information	It contains information for the Driver about predicted and current traffic conditions and queues in the geographic region of the Vehicle.	5.16.2	d
tesp.b-demand_data	It contains data about the current state of any demand management strategies that have been implemented.	3.3.7	esp.b
tesp.b-incident_strategy_information	It contains information about an incident and is for general output to travellers by the Broadcaster Actor in the External Service Provider Terminator.	3.2.9	esp.b
tesp.b-inter-urban_traffic_data	It contains data about traffic conditions in the inter-urban road network.	3.1.2.9	esp.b
tesp.b-requested_incident_data	It contains the requested current data about incidents and events that is being output to the Broadcaster.	3.2.9	esp.b
tesp.b-urban_traffic_data	It contains data about traffic conditions in the urban road network.	3.1.1.9	esp.b
tesp.gip-request_poi_information	It contains a request for information, such as location, opening times, price of service, nearest transport service points about "Points of Interest", e.g. monuments, museums, parks, gardens. etc. in a specific locality	6.5.3.9	esp.gip
tesp.gip-request_ps_information	It contains a request for information, such as location, opening times, services available, prices, etc., about "Points of Interest", e.g. doctors, chemists, etc. in a specific locality.	6.5.3.9	esp.gip
tesp.g-updated_urban_data_for_maps	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.	3.1.1.11	esp.g
tesp.mmtip-request_travel_information	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.	6.5.3.9	esp.mmtip
tesp.ttip_forecast_traffic_conditions_data	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.	3.1.6.6	esp.ttip
tesp.ttip-demand_data	It contains data about the current state of any demand management strategies that have been implemented.	3.3.7	esp.ttip
tesp.ttip-incident_strategy_information	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.	3.2.9	esp.ttip
tesp.ttip-inter-urban_traffic_data	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.	3.1.2.9	esp.ttip
tesp.ttip-requested_incident_data	It contains the requested current data about incidents and events that is being output to the Traffic and Travel Information Provider.	3.2.9	esp.ttip
tesp.ttip-urban_traffic_data	It contains data about traffic conditions in the urban road network.	3.1.1.9	esp.ttip
tesp.ttip-weather_conditions_information	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.	3.4.11	esp.ttip
tmo.rmo-equipment_tasks	It contains requests for the Organisation to carry out specific items of maintenance and repair work to equipment connected with outputs from the System	3.5.12	mo.rmo
to.rno-demand_management_outputs	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:	3.3.5	o.rno
to.rno-environmental_data_analysis_results	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.	3.4.7	o.rno
to.rno-inter-urban_static_road_data	It contains an output of the data about the inter-urban road network currently held in the Data Store of static data.	3.1.2.13.1	o.rno

to.rno-inter-urban_traffic_responses	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.	3.1.2.13.1	o.rno
to.rno-urban_traffic_responses	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.	3.1.1.5.10	o.rno
to.tio-trip_planning_data_responses	It contains a request from the Traveller Information Operator for information about trip-planning data.	6.5.3.7	o.tio
tors.itms-incident_strategy	It contains details of incident strategies for implementation by other TCCs.	3.2.6	ors.itms
tors.iutms-inter-urban_data_updates	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.	3.1.2.16	ors.iutms
tors.iutms-inter-urban_traffic_management_strategy	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.	3.1.2.13.5	ors.iutms
tors.utms-urban_data_updates	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.	3.1.1.14	ors.utms
tors.utms-urban_traffic_management_strategies	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.	3.1.1.5.24	ors.utms
tt.c-urban_traffic_management_messages	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.	3.1.1.5.20	t.c
tt.c-urban_traffic_s&g_commands	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.	3.1.1.5.22	t.c
tt.ptt-itinerary_initial	It contains the initial itinerary for the trip (trip plan) based on information provided by the Traveller.	6.5.10	t.ptt
tt.ptt-trip_alternatives	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.	6.5.10	t.ptt
tt.p-urban_traffic_management_messages	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.	3.1.1.5.20	t
tt.p-urban_traffic_s&g_commands	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.	3.1.1.5.22	t
tt-demand_management_information	It contains information that is being output to Travellers as part of a demand management strategy implementation.	3.3.13	t
tt-environmental_information	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.	3.4.10	t
tt-implemented_trip_plan_changes	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.	6.3.13	t
tt-output_GTP_data	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.	6.7.1	t
tt-predicted_arrival_times_for_trip_plan	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.	6.3.13	t
ttp-requested_traffic_prediction_results	It contains the traffic simulation results that are being sent to similar functionality in other Systems.	3.1.6.5	tp
tt-requested_travel_information	It contains the requested travel information that is being output to the Traveller.	6.6.1	t
tt-route_guidance_information	It contains directions for the Traveller to follow. These directions constitute the dynamic route guidance that can be provided to the Traveller if requested.	6.3.13	t
tt-travel_information	It contains information about travel conditions and POI/PS that are output to Travellers.	6.6.3	t