

## Data categories according to minimum data set

Regarding to EU Regulations 2015/962, 885/2013, 886/2013 and 2015/962 every EU Member State has to implement a Single Access Point to data for its country. For reasons of data exchange, compatibility and interoperability the responsible partners of the Netherlands, Germany and Austria started a working group to develop a common minimum metadata set which describes all data covered by the EU Directive and the respective specifications. This minimum metadata set describes the most important data elements, a technical description of the data elements and contains all necessary information for the metadata definition necessary to fulfil the duties of the national SPAs.

Dataset type (Category)	Detailed information (necessary for self-declaration)	Priority action
Dataset for service "Location search"	Address identifiers	Action A MTIS
	Topographic places	
	Points of interest	
	Access Nodes: Identified access nodes	
	Access Nodes : Geometry/map layout structure of access nodes	
	Park & Ride stops	
	Bike sharing stations	
	Car-sharing stations	
	Publicly accessible refuelling stations for petrol, diesel, CNG/LNG, hydrogen powered vehicles, charging stations for electric vehicles	
	Secure bike parking	
Dataset for service "Information service"	Passenger classes	Action A MTIS
	Common fare products	
	Special Fare Products	
	Basic commercial conditions	
	Where and how to buy tickets	
	How to pay tolls	
	How to book	
Where how to pay		
Dataset for service "Trip plans"	Operational Calendar	Action A MTIS
Dataset for service "Trip plans, auxiliary information, availability check"	Basic common standard fares	Action A MTIS
	Vehicle facilities	
	Detailed cycle network attributes	
	Parameters needed to calculate an environmental factor	
	Parameters such as fuel consumption needed to calculate cost	
Dataset for service "Trip plan computation - scheduled modes transport"	Connection links	Action A MTIS
	Network topology and routes/lines	
	Transport operators	
	Timetables	
	Planned interchanges between guaranteed scheduled services	
	Hours of operation	
	Stop facilities access nodes	

	Vehicles	
	Accessibility of access nodes, and paths within an interchange	
	Existence of assistance services	
	Road network	
	Cycle network	
	Pedestrian network and accessibility facilities	
	Estimated travel times	
<b>Dataset for service “Dynamic Passing times, trip plans and auxiliary information”</b>	Disruptions (all modes)	Action A MTIS
	Real-time status information	
	Status of access node features	
	Estimated departure and arrival times of services	
	Current road link travel times	
	Cycling network closures/diversions	
	Future predicted road link travel times	
<b>Dataset for service “Dynamic Information service”</b>	Availability of publicly accessible charging stations and refuelling points	Action A MTIS
<b>Dataset for service “Dynamic availability check”</b>	Car-sharing availability, bike sharing availability	Action A MTIS
	Car parking spaces available, parking tariffs, road toll tariffs	
<b>Static road network data</b>	Geometry	Action B: RTTI
	Road width	
	Number of lanes	
	Gradients	
	Junctions	
	Road classification	
<b>Traffic regulations and identifying dangers</b>	Access conditions for tunnels	Action B: RTTI
	Access conditions for bridges	
	Speed limits	
	Permanent access restrictions and other traffic regulations	
	other traffic regulations	
	traffic circulation plans	
<b>Toll information</b>	Location of tolling stations	Action B: RTTI
	Identification of tolled roads and applicable static road user charges	
	Variable road user charges	
<b>Parking information</b>	Location of parking places and service areas	Action B: RTTI
	Availability of parking places	
	Cost of parking	
<b>Filling and charging stations</b>	Location of charging points for electric vehicles and the conditions for their use	Action B: RTTI
	location of compressed natural gas, liquefied natural gas, liquefied petroleum gas stations	
	Availability of charging points for electric vehicles	

<b>Freight logistics</b>	Freight delivery regulations	Action B: RTTI
	Location of delivery areas	
	Availability of delivery areas	
<b>Location of public transport stops and interchange points</b>	Location of public transport stops and interchange points	Action B: RTTI
<b>Dynamic access information</b>	Road closures	Action B: RTTI
	Lane closures	
	Bridge closures	
<b>Temporary traffic regulation</b>	Direction of travel on reversible lanes	Action B: RTTI
	Dynamic overtaking bans on heavy goods vehicles	
<b>Road Work information</b>	road works	Action B: RTTI
<b>Unexpected events and conditions (not being safety related)</b>	Accidents and incidents	Action B: RTTI
	Poor road conditions	
	Weather conditions affecting road surface and visibility	
<b>Traffic management measures</b>	Dynamic access conditions for tunnels	Action B: RTTI
	Dynamic access conditions for bridges	
	Dynamic Speed limits	
	Dynamic access restrictions and other traffic regulations	
	temporary traffic management measures	
	Traffic management plans	
<b>Real-time traffic data</b>	Traffic volume	Action B: RTTI
	Speed	
	Travel times	
	locations of queues	
	Traffic data at border crossings to third countries	
	Estimated travel times	
	waiting time at border crossings to non-EU Member States	
	Expected delays	
<b>Safety Related Traffic Information</b>	Temporary slippery road	Action C: SRTI
	Animal, people, obstacle, debris on the road	
	Unprotected accident area	
	Short term road works	
	Reduced visibility	
	Wrong-way driver	
	Unmanaged blockage of a road	
	Exceptional weather conditions	
<b>Truck parking information</b>	Static Truck parking information	Action E: Truck parking information
	Dynamic Truck parking information	