

3. OBJECTIVES AND PRIORITIES:

3.3. Priorities for the objective of optimising the integration and interconnection of transport modes and enhancing the interoperability of transport services, while ensuring the accessibility of transport infrastructures

3.3.1. Intelligent Transport Services for road (ITS)

General objectives:

The TEN-T infrastructure shall be equipped with the relevant components to support the deployment of systems and services which are interoperable and provide for continuity of services across Member States and operators. The general objective is to contribute to a sustainable transport system (in terms of economic, environmental and social impacts) and to an enhanced road safety by boosting the efficiency of infrastructure use and traffic operations and by enhancing the interoperability of transport services for both passengers and freight.

Under this objective actions shall comply with applicable standards and notably with EU legislation, in particular the ITS Directive 2010/40/EU¹ and its delegated Regulations.

Proposed Actions under this priority shall address either works or studies with pilots.

In addition, proposed Actions shall address one or more of the following specific objectives.

Specific Objectives:

Specific objective 10: cooperative connected and automated mobility - cooperative ITS and automation

- Actions addressing this specific objective shall aim at the deployment of Cooperative ITS (C-ITS) services, namely the "Day-1" and "Day-1.5" services² and the implementation of the recommendations of the C-ITS platform; thus complementing existing C-Roads³ pilots and ensuring cross border services;

¹ Directive 2010/40/EU of the European Parliament and of the Council of 7 July 2010 on the framework for the deployment of Intelligent Transport Systems in the field of road transport and for interfaces with other modes of transport (OJ L 207, 6.8.2010, p. 1).

² "Day-1" C-ITS services recommended by the "C-ITS platform":
Hazardous location notifications: Slow or stationary vehicle(s) & Traffic ahead warning, Road works warning, Weather conditions, Emergency brake light, Emergency vehicle approaching, Other hazardous notifications

Signage applications: In-vehicle signage, In-vehicle speed limits, Signal violation / Intersection Safety, Traffic signal priority request by designated vehicles, Green Light Optimal Speed Advisory (GLOSA), Probe vehicle data: CAM Aggregation, Shockwave Damping (falls under ETSI Category "local hazard warning")

"Day-1.5" C-ITS services recommended by the "C-ITS platform":
Information on fuelling & charging stations for alternative fuel vehicles, Vulnerable Road user protection, On street parking management & information, Off street parking information, Park & Ride information, Connected & Cooperative navigation into and out of the city (1st and last mile, parking, route advice, coordinated traffic lights), Traffic information & Smart routing.

³ <https://www.c-roads.eu/>

- Actions can, in addition, include Day 2 or other services (i.e. the use cases on automation as prioritised by the EU ITS Committee), exploiting synergies resulting from deployment of C-ITS Day 1 (and 1.5) services;
- Actions supporting the development of high definition digital maps, for example data collection, in coherence with the related CEF programme support action for the implementation of data exchange used for digital maps for Union-wide multimodal travel and real-time traffic information services on the TEN-T network.

In addition, priority will be given to:

- C-ITS actions that take place in Member States that currently do not have a C-Roads pilot. This prioritisation does not apply to C-ITS actions in urban nodes.

Detailed topical specifications and restrictions

- Actions shall be in line with the C-ITS strategy⁴ and the C-ITS platform final reports and Annexes⁵;
- Actions shall deploy C-ITS services based on the hybrid communication approach defined in the European C-ITS Strategy;
- In terms of C-ITS security, all actions shall be fully compliant to the European Certificate and Security Policy documents published by the Commission⁶;
- Actions must provide regular feedback on the results of the proposed Actions (including best practices, recommendations on policy making) to the "EU ITS Committee";
- Actions must be coordinated either by a Member State or a public body;
- All involved Member States must be or become core C-Roads Platform member and apply all C-Roads specifications;
- Actions shall ensure that all their pilots are fully interoperable with already deployed C-ITS services under the umbrella of the C-Roads Platform⁷;
- The purchase of mobile equipment (e.g. vehicles) shall not be supported. However, costs of equipment, adaptation or upgrade of vehicles (e.g. sensors, on-board units, etc.) can be supported.

Specific objective 11: deployment of intelligent transport services under Directive 2010/40/EU

- Actions addressing this specific objective shall contribute to the deployment of intelligent transport services for road on the core network corridors, related to the priority areas of Directive 2010/40/EU.

In addition, priority will be given to:

⁴ COM (2016) 766 "A European strategy on Cooperative Intelligent Transport Systems, a milestone towards cooperative, connected and automated mobility"
⁵ https://ec.europa.eu/transport/themes/its/c-its_en
⁶ https://ec.europa.eu/transport/themes/its/c-its_en
⁷ <https://www.c-roads.eu/platform.html>

- Actions involving at least three Member States;
- Actions focusing on sections of the core network, including nodes of the Core Network, not already covered by previous actions.

Detailed topical specifications and restrictions:

- Actions shall ensure the interoperability and continuity of services along the core network corridors;
- Submitted proposals shall include:
 - A precise description of the ITS service(s) and application(s), including associated equipment or facilities;
 - A geo-localised description of the baseline situation (i.e. situation prior to deployment of the proposed Action);
 - Coordination and reporting activities with the EU EIP coordination platform and with existing ITS corridors that are geographically adjacent.

Specific objective 12: making more transport, traffic and travel data available

The main objective is to support collection, management and dissemination of data, including the establishment of efficient national access points.

Actions addressing this specific objective shall aim at one or more of the following goals:

- Building the national access point;
- Collecting or creating accurate and up-to-date data, making them publicly available or available to public authorities;
- Making data accessible to public authorities.

In addition, priority will be given to:

- Actions related to road safety, urban vehicle access regulations and multimodal travel information.