



CEF Transport Info day 2016 Greece

**Calls for proposal CEF-T 2016-
ERTMS- Innovation- ITS-MoS- Urban Nodes**

Athens- 02 December 2016

Gaspare L'Episcopia- Innovation and Networks Executive Agency (INEA)

Specific priorities Multi-annual calls 2016

Priority	MAP	MAP
	General	Cohesion
Projects on the Corridors of the Core Network	0	€400 million
Projects on the other sections of the Core Network	0	€100 million
Rail interoperability	0	€20 million
European Rail Traffic Management Systems (ERTMS)	€70 million	€80 million
Sub-total FO1	€70 million	€600 million
New technologies and innovation in all transport modes	€80 million	€59.5 million
Safe and Secure infrastructure		€10 million
Sub-total FO2	€80 million	€69.5 million
Single European Sky – SESAR	€300 million	€100 million
Intelligent Transport Services for road (ITS)	€120 million	€20 million
Motorways of the Sea (MoS)	€40 million	€20 million
Actions implementing transport infrastructure in nodes of the Core Network, including urban nodes	€40 million	€20 million
Connections to and development of multimodal logistics platforms		€20 million
Sub-total FO3	€500 million	€180 million
	€650 million	€849.5 million



Budget, Objectives, Co-Funding

BUDGET:

€70 million under General Call

€80 million under Cohesion Call

SPECIFIC OBJECTIVES:

ERTMS Track-side (TS) deployment/upgrade

ERTMS On-board (OB) deployment/upgrade

CO-FUNDING:

ERTMS: max 50%

Infra works (TS): max 40%

Applications under Cohesion Call: 85%

Specific objectives

1) ERTMS track-side deployment

- Eligible Baseline: B2 and B3 (PRIORITY)
- Priority to CNC cross-border sections
- GSM-R and Infrastructure works (for L2) (not as stand-alone elements)
- Preparatory actions resulting with launching of works

2) ERTMS on-board deployment

- B3 on existing vehicles only with priority for international traffic
- Training, ad-hoc expertise: eligible for SMEs

Funding conditions

Track-side:

- deployment: ceiling of €260,000/km of double-track line (incl. HW and SW for ETCS and GSM-R, if applicable)
- ERTMS upgrade, infrastructure works, preparatory actions: actual costs (no ceiling)

On-board:

- retrofit: ceiling of €250,000/ERTMS OBU (incl. HW and SW for ETCS and GSM-R, if applicable) also **for prototypes**
- ERTMS upgrade, training, ad-hoc expertise: no ceiling (actual costs)

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Budget and funding rates

Budget availability:

€ 80 million under General Call

€ 59.5 million under Cohesion call

Funding rates:

- Works: 20%
- Studies with pilot activities (no demo- real life trials): 50%
- Applications under Cohesion Call: 85%

General Objective

The general objective is to support the deployment of a **sustainable** and **efficient** transport system and to promote the **decarbonisation** of all transport modes along the **Core Network Corridors**. New technologies and innovative solutions shall be deployed on the Core Network with particular emphasis along the Core Network Corridors.

Specific Objectives

- a) support and promote the **decarbonisation** of transport through transition to innovative and sustainable transport technologies;
- b) make possible the decarbonisation of all transport modes by stimulating **energy efficiency** introduce alternative propulsion systems, including electricity supply systems, and provide corresponding infrastructure;
- c) improve the **safety and sustainability** of the movement of persons and of the transport of goods;
- d) improve the operation, management, accessibility, **interoperability, multimodality** and efficiency of the network, including through multimodal ticketing, coordination of travel timetables

Type of Actions

- A) Studies** with regional or local pilot deployment in at least one Member State+ business plan and dissemination
- B) Studies** with pilot deployment on a scale of a core network trajectory/corridor of at least 500 km serving at least two Member States or achieving coverage of minimal density of at least 2 complete Member States+ business plan and dissemination
- C) Works** and applicable to roll-outs on the core network in at least 2 Member States.

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Funding rates:

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- Studies with pilot: 50 %
- Applications under Cohesion call: 85%

Objectives

Implementation of works and/or real life pilots for the **deployment of ITS for road**, with particular focus on:

Europe-wide traffic and travel information services, including cross border services for seamless door-to-door mobility

Europe-wide traffic management systems to optimise traffic operations and enhance energy efficiency

Systems to enhance road safety and security

Expansion of "ITS corridors"

Addressing the issue of retrofit 112 eCall aftermarket in-vehicle devices

Infrastructure communication

Objectives

Cooperative ITS (C-ITS) and automation

- C-ITS, especially vehicle-infrastructure communication,
- Interoperability and continuity of services in the area of C-ITS and automation
- Enhance safety, security, energy efficiency in the area of C-ITS and automation
- Applications for traffic information & management in the area of C-ITS and automation
- Develop digital road infra to facilitate higher levels of automation
- Convergence of C-ITS and increasing levels of automation based on a hybrid communication (use of both ITSG5 and cellular communications)

Eligibility

Actions may include both works and studies with pilot activities, provided that the two activities are clearly distinguished

Deploy works or studies with pilot activities in the Core Network (i.e. along Core Network corridors and urban nodes). *Other geographical areas, linked to the Core Network, may be covered if reasons are duly substantiated*

Submission by one or more MSs, preferably along a continuous trajectory

Priority to proposals engaging multiple MSs



Proposals involving MSs addressing both general and cohesion envelopes are allowed: in such case, please submit twice the same proposal cross-referenced.

Requirements

Comply with EU legislations, in particular the ITS Directive 2010/40/EU and its delegated Regulations

Comply with applicable EU standards (e.g.: DATEX II)

Address an evaluation activity

For proposals addressing C-ITS:

- Priority will be given to proposals addressing the "Day-1" and "Day-1,5" C-ITS services recommended by the "C-ITS platform"
- Cooperate with and build upon the "C-Roads Platform", and provide feedback to the "C-ITS platform" and the "EU ITS Committee"

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- Pilot actions: 50 %
- Applications under Cohesion Call: 85%

Specific objectives

Deploying an alternative clean fuels infrastructure and developing environmentally sustainable shipping (DIP Pillar I)

Improving maritime transport integration in the door-to-door logistics chain (DIP Pillar II)

Upgrading or establishing new maritime links, including combined investments in ports (DIP Pillar II)

Promoting wider benefits such as Maritime Safety, Traffic Management, Human Element/Training (DIP Pillar III)

MoS Pillar I

Technologies reducing **CO₂** (climate change)

Facilities for **LNG, methanol** and other clean fuels in ports and aboard vessels incl. bunkering barges

Technologies reducing **NO_x** emissions

On-shore power supply systems for ships

Batteries (fuel cell)

Energy efficiency measures on ships (hull, propellers, re-blading etc)

Scrubbers only for installations outside EU SECA areas and going beyond the current legislation

MoS Pillar I

Facilities for oil and other ship waste in ports

Facilities for sludge from scrubbers

Waste water treatment systems on ships

Ballast water treatment systems

MoS Pillar II

Develop the **port infrastructure**, handling facilities, freight terminals, logistic platforms and freight villages together with improved port access

Develop reliable short sea shipping transport services **integrated** within door-to-door **logistics chains** and connecting **core network corridors**

Improve logistics and administrative **ICT** management **systems**

Increase **safety and security** during port handling operations

Increase the **environmental performance of ships** on dedicated MoS links

MoS Pillar III

Safety operations (icebreaking, surveying, AIS, vessel control)

Vocational training

VTMS

Single windows for maritime administrations (in line with COM specifications)

Key actions

Wider benefit actions

Addressing industry needs widely (e.g. coherent investments in a group of ports for LNG filling stations or coherent set of investments in port reception facilities in a region)

Implementation works

Upgrade of maritime links (minimum ship and port investments combined)

Pilot actions:

Projects testing or deploying new technological solutions in operational conditions - Particular conditions apply

Studies

Not supported in 2016/2017

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Eligibility

Geographic eligibility : Only actions located in urban nodes listed in Annex II **part 1** of the TEN-T Guidelines and those listed in Annex II **part 2** of the TEN-T Guidelines **which are located on a Core Network Corridor** may be funded.

Specific objectives

Action addressing :

- Physical bottlenecks and missing links between transport modes in the urban area
- Seamless connection between the TEN-T long-distance transport and the urban transport (for example through integrated planning, through quality standards etc.)
- Development of concepts to increase multi-modality, shift to more sustainable mode, shift to alternative fuels and enhance the integration of long-distance and urban transport



Specific conditions for mobile equipment

Must be secondary to the infrastructure-related part of the action

Ceiling max : 10 % of total eligible costs

Only the financial difference between a conventional solution and the use of a new technology



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Look for INEA!

Thank you!