INFO DAY - 2014 CEF-T call

Session 2: Optimising the integration and interconnection of transport modes and enhancing interoperability

Speech 2: ITS for road

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Brussels 10th October 2014
Content of the presentation

1. EU Policy on Intelligent Transport System
2. 2014 CEF-T Multi-Annual Call (Funding Objective 3)
3. 2014 CEF-T Annual Call (Funding Objective 3)
4. 2014 CEF-T Multi-Annual Call (other funding opportunities)
5. 2014 CEF-T Calls – Funding opportunities overview
Policy framework for the deployment of ITS across Europe


**Directive 2010/40/EU:** Framework for the Coordinated and Effective Deployment and Use of Intelligent Transport Systems setting common priorities

- for road transport and interfaces with other modes
  - to coordinate and accelerate the deployment of ITS
  - to make road transport more sustainable

- Development of specifications & standards
  functional, technical, organisational & service provision-related to ensure interoperability and continuity of services
ITS Directive - Priority Actions

EU-wide Multi-Modal Travel Information
EU-wide Real-Time Traffic Information
Free safety-related minimum Traffic Info
Interoperable EU-wide eCall
Information & Reservation services for Truck Parking
EU-wide eCall

⇒ Specifications adopted on 26 November 2012 (delegated Regulation EU - 305/2013)

⇒ Adoption of 2 proposals on 13 June 2013

➢ Regulation on type approval requirements (making the vehicle fit for eCall - by 1 October 2015 with a transitional period still to be defined)

➢ Decision on the deployment of the interoperable EU-wide eCall (making the public infrastructure / PSAPs fit for eCall - 6 months before the vehicles are equipped but no later than 1 October 2017)
Road safety related minimum universal traffic information

⇒ Specifications adopted on 15 May 2013 (delegated Regulation EU - 886/2013)

- Publication of terms & definition of safety related message sets (DATEX2 codes, TPEG2-TEC causes, TMC events)
  http://www.tisa.org/newsroom/supplementary-documents/

- Methodological work on quality ongoing (criteria, measurement) by the EU ITS Platform (TEN-T project)
Truck Parking information system

⇒ Specifications adopted on 15 May 2013 (delegated Regulation EU - 885/2013)
  ➢ EU access point for truck parking information (static data) under development

Truck Parking reservation system

⇒ No need for specifications currently (no business case)
  ➢ Further development to be monitored
EU-wide real-time traffic information

⇒ Adoption of Specifications foreseen for end 2014 (with a transitional period of 2 years)

- Development of draft specifications in collaboration with Member States experts and following broad consultation of stakeholders
- Draft specifications focus on the enabling framework conditions supporting interoperable real-time traffic information services across Europe (e.g. data access, formats/standards, updates, data scope, geographical scope)
- Draft specifications submitted to the EU ITS Advisory Group for consultation
- Advisory group with urban ITS experts set up to develop recommendations on the implementation of the specifications in urban areas
EU-wide multimodal travel information

⇒ A "Roadmap towards delivering EU-wide multimodal travel information, planning and ticketing services" published on 16 June 2014 presenting a package of measures

⇒ Initiative on access to multimodal travel and traffic data (to be presented Q1 2015)

⇒ Specifications on EU-wide multimodal travel information (for adoption foreseen by end 2015)

⇒ Standardisation if/as needed
Co-operative systems / "connected mobility"

⇒ Development of a shared vision and roadmap for the deployment of C-ITS in the EU (EC Communication foreseen by end 2015)

- Contributing to a plurality of policy objectives
- Connecting all the elements of the transport chain
- Relying on various instruments
  - Establishment of a stakeholder platform (public-private engagement) & a work programme
  - Legislation & standardisation as/if needed
  - International cooperation
EU legislative framework for road charging

⇒ Directive 2004/52/EC "EETS" mandates interoperability of electronic tolls
  - Based on 2 standards (satellite positioning associated with mobile communications GSM-GPRS or 5.8GHz microwave technology DSRC)
  - Frequency extension for WIFI applications under consideration
  - TEN-T project REETS ongoing
  - Nonetheless deadline for EU-wide deployment missed by 2 years

⇒ If concrete deployments do not move forward, EC will consider introducing more binding requirements through legislation
## 2. 2014 CEF-T Multi-Annual Call Funding Objectives (FO)

<table>
<thead>
<tr>
<th>Funding Objective</th>
<th>Objectives</th>
<th>Details</th>
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| **Funding Objective 1** | Removing bottlenecks and bridging missing links, enhancing rail interoperability, and, in particular, improving cross-border sections | • Core Network Corridors  
• Other sections of the Core Network  
• Rail Interoperability  
• ERTMS |
| **Funding Objective 2** | Ensuring sustainable and efficient transport systems in the long run, with a view to preparing for expected future transport flows, as well as enabling all modes of transport to be decarbonised through transition to innovative low-carbon and energy-efficient transport technologies, while optimizing safety | • Innovation  
• Safe and secure infrastructure |
| **Funding Objective 3** | Optimising the integration and interconnection of transport modes and enhancing the interoperability of transport services, while ensuring the accessibility of transport infrastructures | • SESAR  
• RIS  
• ITS for road  
• Motorways of the Sea  
• Core Network Nodes  
• Multimodal logistics platform |
| **Funding Objective 4** | Cohesion Fund allocation | • Core Network Corridors  
• Other sections of the Core Network  
• ERTMS  
• Innovation  
• Safe and secure infrastructure  
• Motorways of the Sea |
2. 2014 CEF-T Multi-Annual Call
FO 3
"Intelligent Transport Services for Road" – Annex 3

Proposed Actions
Works / studies / combination of studies and works

Some eligibility criteria

• ITS works shall engage minimum three Member States
• ITS works (or works & studies)
  • If implementing standards existing in EU legislation, then either CBA or cost-effectiveness analysis
  • If addressing areas not covered by existing EU standards, then CBA proposing the co-funding rate
2. 2014 CEF-T Multi-Annual Call FO 3
"Intelligent Transport Services for Road" – Annex 3

- Indicative budget **EUR 68,750,000**
- Maximum applicable funding rates
  - **Studies 50%**
  - **Works 20%** (including for land-based and on-board components of ITS for road sector)
2. 2014 CEF-T Multi-Annual Call
FO 3
"Intelligent Transport Services for Road" – Annex 3 - Works

Objectives

• Improving the interoperability, continuity and seamless mobility in the EU (focus on cross border sections and urban-interurban interfaces)
• Improving the harmonisation of services across Europe from an end user perspective
• Improving the operational excellence and cost-efficiency from a road operator / traffic manager perspective
• Deploying electronic, time-differentiated congestion charges (Directives 2004/52/EC and 1999/62/EC)
• Deploying the European Electronic Toll Service (EETS) (Directive 2004/52/EC and Decision 2009/750/EC)
2. 2014 CEF-T Multi-Annual Call
   FO 3
   "Intelligent Transport Services for Road" – Annex 3 - Works

Priorities/services to be addressed
(individually or in conjunction):

- Real time traffic and travel information
- Road safety related traffic information
- Traffic management (focus on cross-border sections and urban-interurban interfaces)
- EETS deployment
2. 2014 CEF-T Multi-Annual Call

FO 3

"Intelligent Transport Services for Road" – Annex 3 - Works

Requirements

• **ITS deployment along Core Network Corridors**
  • For limited geographical EETS deployments (of lower priority) evidence of the transition phase to the full coverage
  • For EETS deployment, partners to the project should involve both the toll chargers and (prospective) EETS providers
• Compliance with relevant EU legislations and standards
• Implement the Deployment Guidelines 2012 and provide feedback on their implementation
• Report to the "EU ITS Platform" (see studies)
• Demonstrate commitment and buy-in from all concerned stakeholders
2. 2014 CEF-T Multi-Annual Call
   FO 3
   "Intelligent Transport Services for Road" – Annex 3 - Works

   Information to be provided

   • Demonstration of the **EU added value**
   • A precise description of the ITS service(s) and application(s)
   • A geo-localised description of the baseline situation
   • A precise description (geo-localised and when possible quantified) of the problem(s) to be addressed
   • Explicit targets (quantitative and/or qualitative)
   • The assessment of the achieved results (indicators comparable across actions)
   • A clear description of the project management planned for the effective delivery of the proposed
2. 2014 CEF-T Multi-Annual Call
FO 3
"Intelligent Transport Services for Road" – Annex 3 - Studies

Objectives

- Enhancing pan-European harmonisation and coordination
- Facilitating the establishment of a level playing field
- Fostering effective take-up of EU specifications, guidelines, best practices and/or methodologies
- Enhancing multi-stakeholders cooperation and partnerships
Establishment of an "EU ITS Platform" responsible for:

- Providing guidance to the works Actions
- The efficient communication with the works Actions, as well as with other stakeholders, including documenting and sharing best practices and lessons learnt
- The integrated monitoring of the deployment of ITS services across Europe (map tools, common performance/service indicators)
- The evaluation of socio-economic impacts of ITS services
- Formulating recommendations for policy-making based on from the works Actions
2. 2014 CEF-T Multi-Annual Call
FO 3
"Intelligent Transport Services for Road" – Annex 3 - Studies

*Information to be provided*

- Demonstration of the **EU added value**
- A description of partners involved (directly and indirectly)
- Explicit **targets** (quantitative and/or qualitative) and **deliverables**, (including the contribution to EU policies and deployment actions)
- A clear description of the **project management** of the activities and sub-activities, including internal cooperation and external interactions.
- A precise description of **methodologies, instruments and processes** to be put in place
3. 2014 CEF-T Annual Call

Funding Objectives (FO)

<table>
<thead>
<tr>
<th>Annual Call</th>
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<tr>
<td>#1: Removing bottlenecks and bridging missing links, enhancing rail interoperability, and, in particular, improving cross-border sections</td>
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- Projects on the Core Network
- Projects on the Comprehensive Network
- Projects to connect with neighbouring countries
- Innovation
- Freight transport services
- Rail freight noise
- Telematic applications
- Accessibility
- Core Network Nodes
- Multimodal logistics platform
3. 2014 CEF-T Annual Call
FO 3
"Telematic application systems other than those covered by the Multi-annual Work Programme" – Annex 7

Proposed Actions

- Works / studies / combination of studies and works
- Studies with pilot activities

- Indicative budget **EUR 55,000,000**
- Maximum applicable funding rates
  - Studies 50%
  - Works 20%
3. 2014 CEF-T Annual Call
FO 3
"Telematic application systems other than those covered by the Multi-annual Work Programme" – Annex 7
Telematic applications for road

Objectives

Priority will be given to Actions addressing:
- Cooperative ITS (C-ITS) and
- Public Safety Answering Points eCall (PSAPs eCall)

• For studies with pilot activities
  • Demonstrating the potential for rapid deployment
  • Creating necessary critical mass
  • With a user/operator/market-oriented approach
3. 2014 CEF-T Annual Call
FO 3
"Telematic application systems other than those covered by the Multi-annual Work Programme" – Annex 7
Telematic applications for road

Scope

• Feasibility studies (including CBA, opportunities and threats analysis, impact assessment)
• Business model(s), standards, certification and legal aspects
• Roaming (when relevant) and cross border / cross region functionality and interoperability of solutions
• For pilot activities, demonstrated long term viability and scalability, and description of future roll out / large scale deployment
3. 2014 CEF-T Annual Call

FO 3

"Telematic application systems other than those covered by the Multi-annual Work Programme" – Annex 7

Telematic applications for road

Requirements

• Concern deployment works or pilot activities along the Core and Comprehensive network, including urban nodes, with the exception of the Core Network Corridors covered by the Multi Annual Call
• Provide feedback to the C-ITS Platform and European eCall Implementation Platform
• Compliance with relevant EU legislation and standards
• Be submitted by one or more Member State
### 4. 2014 CEF-T Multi Annual Call
Other funding opportunities

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<thead>
<tr>
<th>Funding Objective</th>
<th>Description</th>
<th>Funding Opportunities</th>
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| **1**             | Removing bottlenecks and bridging missing links, enhancing rail interoperability, and, in particular, improving cross-border sections | • Core Network Corridors  
• Other sections of the Core Network  
• Rail Interoperability  
• ERTMS |
| **2**             | Ensuring sustainable and efficient transport systems in the long run, with a view to preparing for expected future transport flows, as well as enabling all modes of transport to be decarbonised through transition to innovative low-carbon and energy-efficient transport technologies, while optimizing safety | • Innovation  
• Safe and secure infrastructure |
| **3**             | Optimising the integration and interconnection of transport modes and enhancing the interoperability of transport services, while ensuring the accessibility of transport infrastructures | • SESAR  
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• Core Network Nodes  
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| **4**             | Cohesion Fund allocation                                                      | • Core Network Corridors  
• Other sections of the Core Network  
• ERTMS  
• Innovation  
• Safe and secure infrastructure  
• Motorways of the Sea |
4. 2014 CEF-T Multi Annual Call
Other funding opportunities
FO 2

- **Annex 1**: Priority "Deployment of new technologies and innovation in all transport modes, with a focus on decarbonisation, safety and innovative technologies for the promotion of sustainability, operation, management, accessibility, multimodality and efficiency of the network"

- **Annex 2**: Priority "Safe and secure infrastructure, including safe and secure parking on the road core network"
4. 2014 CEF-T Multi Annual Call
Other funding opportunities
FO 2

Annex 1 - field ii 'Sustainability and efficiency in the network'

Scope

Actions related to the promotion of **seamless multi-modal transport chains for passengers**, through the development and deployment of **traffic and travel information and planning systems** including **integrated ticketing**. Such systems should demonstrate their potential or actual contribution to **interoperability, multimodality and/or co-modality**, and overall efficiency of the networks. This may be achieved through coordinated timetables, multimodal ticketing, secured data collection and roaming services.
4. 2014 CEF-T Multi Annual Call
Other funding opportunities
FO 2
Annex 2 - **Safe and secure infrastructure**

**Scope**

- Actions aiming at the development of new safe and secure parking areas on motorways for trucks and commercial vehicles approx. every 100 km
- Actions aiming at upgrading the safety and security of existing rest areas (including parking for trucks and commercial vehicles and safety and security Information and Communication Technologies)
- Actions optimising the use of existing safe and secure parking areas for trucks and commercial vehicles through dynamic information including the collection, processing and dissemination of parking information (static and dynamic)
5. 2014 CEF-T Calls
Funding opportunities overview

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<td>Telematic applications for road</td>
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<td>Innovation</td>
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<td>Safe and secure infrastructure</td>
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<tr>
<td>Urban nodes</td>
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