Day 2
Cooperative ITS deployment towards connected and automated driving

C-ROADS Platform: Preparing the ground for cooperative, connected and automated driving

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12/12/16 – Kick off of the C-Roads Platform

Violeta Bulc @Bulc_EU · 19h
I want to see cooperative vehicles on #EU roads in 2019. The C-ROADS platform will make it happen! #realITS

EU Transport and INEA
The aim of the C-Roads Platform

- linking all C-ITS deployments
- development of commonly agreed specifications taking the EU-C-ITS Platform recommendations into account
- planning intensive cross-testing to verify interoperability

And by doing so C-Roads will pave the ground for making Cooperative, Connected and Automated Driving reality
C-Roads Associated Members

- Finland (Finnish Transport Safety Agency Trafi)
- Hungary (Hungarian Public Road Non-Profit PLC)
- Ireland (Dep. of Transport, Tourism and Sport)

- Australia and New Zealand (Austroads)
General Principles

Member States agree to work together to achieve deployments that enable interoperable and seamless cross-border C-ITS services for European travelers. Hereby the general principles of the C-Roads Platform are agreed as follows, which reflect EC’s expectations completely:

• The main goal is to link C-ITS pilot deployment projects in EU Member States,
• to develop, share and publish common technical specifications (including the common communication profiles),
• to verify interoperability through cross-site testing,
• and to develop system tests based on the common communication profiles by focusing on hybrid communication mix, which is a combination of ETSI ITS-G5 and operational cellular networks.
• The details of the day-to-day cooperation in the C-Roads Platform are laid down in the Terms of Reference (ToR).
Day 1 Services

HAZARDOUS LOCATION NOTIFICATION
- Weather Conditions
- Road works warning
- Slow or stationary vehicle(s)
- Emergency vehicle approaching
- Other hazardous location notifications

SIGNAGE APPLICATION
- Traffic jam ahead warning
- In-vehicle signage
- In-vehicle speed limits
- Probe vehicle data
- Shockwave Damping
- Green Light Optimal Speed Advisory (GLOS)
We are ready for deployment

C-Roads Platform partner will deploy common communication profiles by focusing on a hybrid communication mix, which is a combination of ETSI ITS-G5 and operational cellular networks.
Interoperability
Deployments are the driver of the C-Roads Platform
C-ROADS PLATFORM
Milestones

2016
- Signature of C-Roads Platform Agreement
- Launch of a web service

2017
- Harmonised communication profile for C-ITS pilot services across Europe - ITS-G5
- Test infrastructure operational
- Draft report on European security mechanism

2018
- Evaluation and Assessment Plan
- Harmonised communication profile for C-ITS pilot services across Europe - Hybrid
- Final report on European security mechanism
- Report legal structures C-ITS operation
- Recommendation on driver information through C-ITS services

2019
- Recommendation on harmonisation of future C-ITS services (Day 1.5 and later)
- EU-C-ITS Interoperability Report
- All pilots installations finalized and start of regular cross border pilot drives

2020
- C-ITS Road show
FACTS
Duration of pilot initiatives
Allocated total budget
97,8 M Euros (Call 2015)
CEF funding
55,5 M Euros (Call 2015)