European Policy for C-ITS

Towards connected mobility

María Alfayate - European Commission - MOVE/C3
BE-UNECE ITS Workshop - Brussels – 17 November 2014
Autonomous & Cooperative ITS
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Autonomous ITS

Cooperative ITS

Automated Driving Systems
Automation can be a tool to solve Transport Problems

- *Contributing to decrease congestion:*
  - Increase capacity of road infrastructure
  - Improve traffic flow dynamics

- *Reducing energy use and emissions*
  - Platooning
  - Improve traffic flow dynamics

- *Improving safety*
  - Reducing and mitigating crashes

- Increasing mobility choices for the elderly

... *BUT vehicles need to be connected to maximise positive effects!!!*
The European approach to Cooperative Systems

**Cooperative Systems understood as "connected mobility":**

- More than V2V and V2I
- Go and in hand with an increase of vehicle automation
- Connecting all the elements of the transport chain (including public transport and vulnerable road users: pedestrians, cyclists, motorcyclists)
- Contribution to a plurality of policy objectives:
  - improving road safety
  - enhancing mobility & reducing congestion
  - optimising performance & capacity of transport infrastructure
  - increasing real time reliability
  - improving efficiency of logistic operations
  - and hence: reducing energy use & environmental impacts
Cooperative Systems
Instruments to go ahead towards Deployment

- **Public-Private Engagement: The Platform for the Deployment of C-ITS in the European Union**

- **Funding schemes:**
  - Research, Development & Innovation – Horizon 2020
  - Infrastructure funds - "Connecting Europe Facility": Grant scheme and Innovative Financial Instruments. Starting with Pilot testing and building up towards large scale deployment.

- **Legislation**

- **International Cooperation**
The C-ITS Deployment Platform

- **Objective:** "Developing a shared vision and a roadmap for the Deployment of Cooperative Systems in the EU"
- **Public-Private partnership:** On content, process development and ownership of final outcome
- **Analysis of cross-cutting blocking factors and enablers:** technical, legal, organisational, policy and administrative
- **Outcome:** Building blocks for a "Communication by the European Commission on the Deployment of C-ITS" What has to be done by whom and when? Early 2016
GAP ANALYSIS: WHAT IS TO BE DONE FOR C-ITS DEPLOYMENT?

WP1 COST BENEFIT ANALYSIS

WP2 BUSINESS CASES FOR DEPLOYMENT

WP3 LEGAL ISSUES

WP4 SYSTEM’S GOVERNANCE & PRIVACY

WP5 SECURITY & CERTIFICATION

WP6 TECHNICAL ISSUES

WP7 STANDARDISATION ISSUES

WP8 PUBLIC ACCEPTANCE

WP9 IMPLEMENTATION ISSUES

WP10 INTERNATIONAL COOPERATION

WP11 ROADMAP FOR DEPLOYMENT OF C-ITS