ITS

Support by Standardisation

Odile Arbeit de Chalendar
DG Move ITS Unit

EU Policies Framework on ITS

❖ *Action Plan (Dec 2008)*

❖ *Directive 2010/40/EU*

❖ *Transport white paper 2011*

➢ *Setting common priorities (information services)*

➢ *Development of specifications & standards*

Main goals

✓ *Coordinated deployment and use of intelligent transport systems in road transport across Europe.*

✓ *Foster interoperability*

✓ *Standardisation has an important role in lowering costs of development and accelerating the uptake.*

➢ ***Harmonisation of ITS roll out***

Regulation ⇔ Standardisation

- ➢ **Standards sustain interoperable implementation of delegated acts**
  - ➢ **Priority C road safety related traffic information**
  - ➢ **Priority E Provision on truck parking information**
  - ➢ **Priority B Real time traffic information**

E.g. CEN/TC 278 part 6 truck parking information

Datex stakeholders

- ✓ *Proximity with concrete needs*
- ✓ *Active for implementation of delegated acts*

- ✓ *Accompaning activities to support in the long run to Datex users*
- ✓ *Supported by EC in the past & to be continued*

- ✓ *New scope and Members?*

Legal Basis

- *Regulation 1025/2012 of the European Parliament and Council on European standardisation ;*

- *CD 2011(C349)04 setting up the multi stakeholder platform for ICT standardisation as an expert group*

- *Communication (2011)311 final; a strategic vision for EU standardisation : moving forward to enhance and accelerate the sustainable growth of the European economy by 2020*

Standards concepts

Regulation 1025/2012 of EP and Council

Specification

Set of requirements issued by fora and consortia such as
W3C, IETF, …
No wide agreement, experimental circumstances, or evolving to fast

Standard *OJ = adopted specification*

European Standard *EN = adopted by* CEN/CENELEC/ETSI

Harmonised standard *= through a Mandate, support of policy*

Technical Report *TR (for non-normative parts)*

Commission standardisation steps

Annual Union Work Programme (AUWP) (Art. 8 Reg. 1025/2012)

Political

- **An annual EC Communication to identify strategic priorities, mandates to be given and international aspects**
- **Linked to political agenda of EC**

Rolling planning

Technical

- **ICT only**
- **High Member Stakeholder Platform involvement**
- **More detailed, technical and informal than AUWP**
- **Action grants: European standardisation organisations (ESO) activities funded by EC, but no mandate**
- **ESOs + all other stakeholders (global fora&consortia, industry, assoc)**

ICT in today's Rolling plan

Co-operative systems: completing activities foreseen in M/453, and achieving the Release 1 and 2 for C-ITS, incl. V2V, V2I/I2V & I2I.

Urban ITS: and in the perspective of smart cities, need to ensure existing standards are properly adapted for urban environment.

Electric Vehicles (EV): Taking into account the C-ITS architecture, ICT related standards to support electric vehicles take-up, in particular vehicle- to-grid (V2G) communication protocols, message datasets, interfaces, and back-office platforms.

Open in-vehicle platform architecture: the development, operation and user acceptance of vehicle-based intelligent transport systems and services will benefit from an agreed open in-vehicle platform architecture

Standards process (ex. Of ETSI)