SCORE@F

The French FOT for road co-operative systems

Date : 10/02/2011

Place : ETSI ITS Workshop (Venice)

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Summary

• Duration: 30 months
• Start: 1° September 2010
• Total Budget: 5.6 M€
• Support: 2.7 M€
• Competitiveness Pole: MOV’EO
• 19 Partners
• Experiment on motorway and Urban / Rural environment in Yvelines department.
Partnership

Automobile
- Renault
- PSA Peugeot Citroën
- Hitachi

Road Infrastructure
- Cofiroute
- EGIS Mobilité
- Neavia

Research Institutes
- Eurecom
- Telecom ParisTech
- INRETS
- INRIA

Telecom & Services
- Senda
- Viveris Technologies
- Orange
- Intempora
- Marben

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Objectives

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- Co-ordination of the French National FOT
- Validation of the standardized platform
- Field Operational Test on motorway & CG78 roads environments
Experiment

Tests in Rural & Urban Environments

Validation / Certification UTAC

Satory Tests Circuit INRETS

Tests on Motorway

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Use Cases: Based on M/453

TS 101 539 (road safety)
TS 102 637-2 (CAM)
TS 102 637-3 (DENM)
EV Charging Spot Notification

CD 15623 (FVCW)
PWI 26684 (CIWS)

French CN16
Use Cases : Road Safety

Co-operative Awareness (V2V) (Info to driver)

ETSI TS 101 539 - 1

CAM & DENM

Longitudinal Collision Risk Warning

ETSI TS 101 539 - 3

Forward

Frontal

Longitudinal Alignment?

Intersection Collision Risk Warning

ETSI TS 101 539 - 2

Lateral
Use Cases: Traffic Efficiency

- Collect of traffic information by the road side units (SCORE@F: from CAM & DENM, CO-DRIVE: Video from cameras).
- Transfer of pre-processed traffic information to traffic management center.
- Adjustment of regulatory speed limits according to traffic context.
- Broadcasting to vehicles by RSU of contextual regulatory speed.
- Broadcasting to vehicles of traffic info and itinerary recommendations (VMS).
Use Cases: Traffic Efficiency

- Traffic light violation
- Green light optimal speed advisory
- Engine Stop - Start

Traffic Light messages broadcasting: either CAM evolution or new Message?

Common use case EU – USA?
Use Cases: Comfort & Mobility

Point of Interest Notification & Electronic Commerce
- EV Charging Spot
- Auto Sharing Point
- Intermodality Transport Point

Internet access as guest of a community
- Fleet Management
Planning

Activities

MANAGEMENT

EUROPEAN COOPERATION

WAVE Modem Selection

DEVELOPMENT

EVALUATION

Drive C2X Interoperability

Time

T0

1° Sept 2010  1° March 2011  1° March 2012  28th February 2013

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Contribution to Drive C2X

- Some common use cases
- Updates from standards
- Interoperability tests in Helmond
- Data collection according to FESTA / FOTNET 2 methodology
- Exchanges of assessment results (technical and non-technical)
- Cross experiments
Thank you

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