New, Innovative Telematics Applications to improve Road Safety & Traffic Management
Passive Safety: RESCUE Chain

- Improving the efficiency of the Rescue Chain

PSAP 1

Infos

CDB

PSAP 2

Emergency

Fleet Management

Blue Wave

E-Call

Network

Assistance Request

Virtual Cone

Local Danger

Renault / AXA Assistance

Assistance

Fleet Management

Renault / AXA Assistance

CDB

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Assistance

Fleet Management
Active Safety:

- Safety Margin Concept
  - C2C
  - Safety Margin
  - Reduce Speed

Requirements:
- Accurate relative positioning
- Dynamic MAP up-date

- Local Danger Warning
- Blue Wave / Virtual Cone
Active Safety:

- Car to Road Side Infrastructure Applications

Road Side Infrastructure Unit

Head-up Display

Information Geocasting:
- Road Sign repetition
- Utilitary information
- Local road dangers
- Dynamic Speed Limits
- Car status (stolen Vehicle)
Traffic Management Support

- **EFCD for an Efficient traffic management**
  
  I tell you all what I see
  
  Using my sensors

WLAN

DAB / DVBH / ….

GSM / UMTS / ….

Efficient Traffic Management Centre
The diversity of actors and the complexity of the automotive telematic system requires a standardization approach at the level of interfaces between main subsystems (communication & application protocols).

The C2C and C2I deployment requires the allocation of a protected bandwidth (2x10 Mbits/sec) free of charge for Road safety services (which can not be sold to customers). The IEEE 802.11p proposal in the 5.9 Ghz Band is currently the best candidate.

Consequently, the proposed telematics applications are only viable if a converging, common, global European approach can be achieved.
Any Questions?

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