ASECAP DAYS

COSTA NAVARINO 2019

47th ASECAP STUDY & INFORMATION DAYS
Tomorrow's Mobility ... Is here Today

Report from the two days' parallel sessions

Costa Navarino, Messinia, Greece
29-31 May 2019

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Organized by

ASECAP
Association Européenne des Concessionnaires d'Autoroutes et d'Ouvrages à Péage

Parallel session 1: Common Interests in C-ITS Policies and Strategies (CAV)

Thursday May 30th 2019 – 15:00/16:30

Moderator: Jacqueline Erhart, ASECAP COPER III CHAIR

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Main focus of the session:

Highlight the challenges of a road operator starting at 5GHz spectrum usage, introducing new emerging technologies and prepare for a connected road to support CAVs

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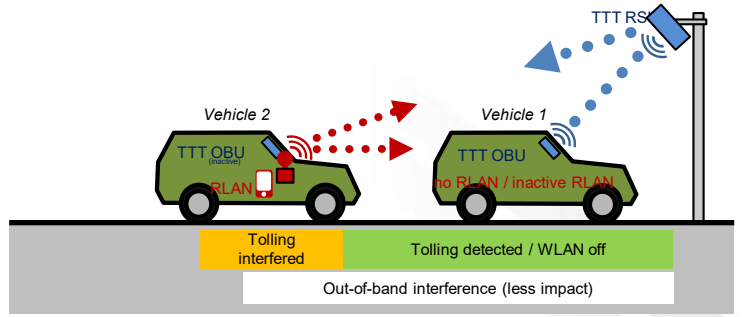
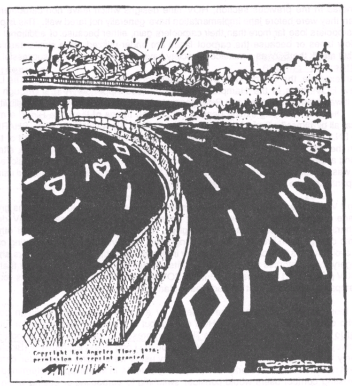
Speakers:

- **George KIOUSIS, HELLASTRON (Greece) & Stefan RÜHRUP (Austria) –**
  The emerging landscape of the 5 GHz spectrum; key issues a road operator should know about
- **Ilaria DE BIASI, AUTOSTRADA DE BRENNERO (Italy), C-ROADS Italy:**
  first steps towards the deployment of c-its technologies
- **Alexander SKABARDONIS, UNIVERSITY OF CALIFORNIA BERKELEY (USA) –**
- Managed Lanes: Challenges and Opportunities for Connected and Automated Vehicles (CAVs)
- **Olivier QUOY, ATLANDES (France) –**
- Paving the way to high level of service connected infrastructure for HGV
- **Hein DEKKERS, CISCO SYSTEMS-AEGEAN MOTORWAY (Greece) –**
- Cisco Intelligent Connected Roadways Solution

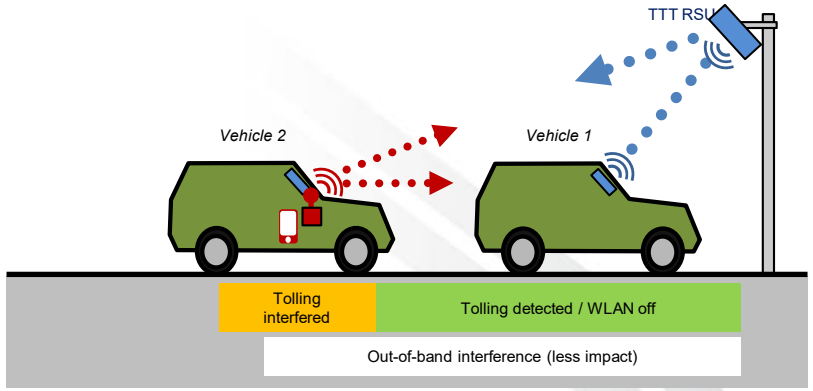




The most significant key messages from the panelists

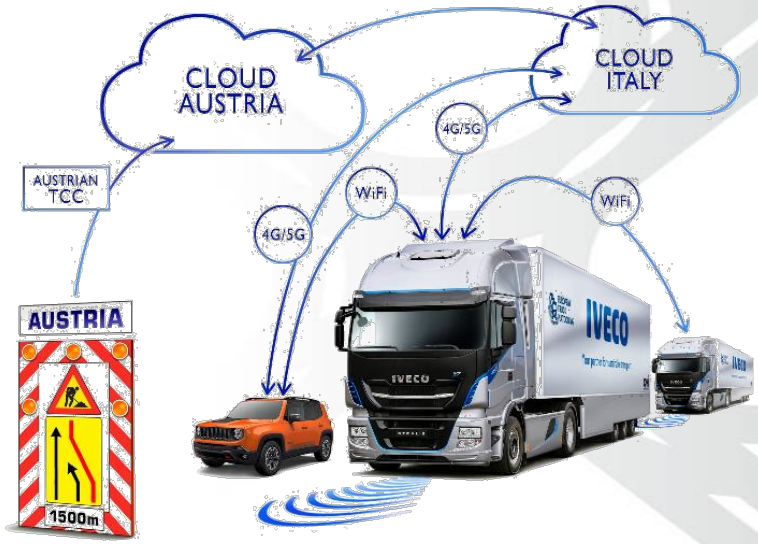
→ **Shared responsibility and awareness** of TTT, ITS and Potential Interferers required

- Protection measures are required once the ITS penetration rate becomes significant. Interference from single ITS vehicles can be compensated by the CEN DSRC protocol.
- Proposed Mitigation technique: ASECAP Protected Zone Data Base (PZDB)



→ **Deployment of C-ITS technologies** based on ITS-G5 technology and in future on cellular technology **starts**

- Evaluation with automated driving functionalities, e.g. Platooning and Highway Chauffeur, required
- Testing X-border information and Hybrid architecture



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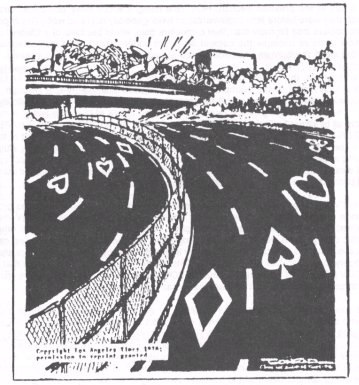
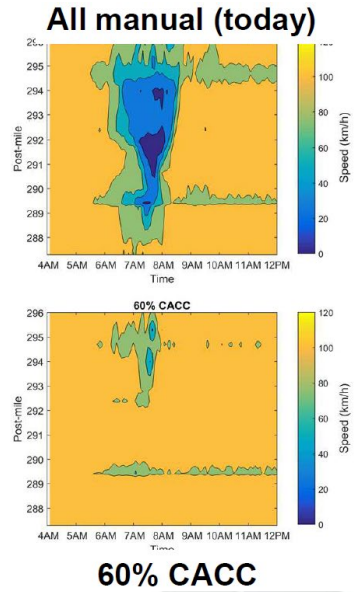
The most significant key messages from the panelists

→ **CAVs** in managed lanes can **increase our efficiency and capacity**
- Models Needed to Leverage Technological capabilities, and Capture Emergent Interactions

→ **Fullfill the growing need to send information**
- Maximise the use of authenticated data to support road management
- Truck platooning application needs testing to identify the infrastructure enhancement needs

→ Telematic data can be used for vehicles: **IoT for transportation**
- Face the Challenges: Complexity – scalability – security
- Connected Roads can be used for save travels (low latency, compliant with the Delegated Act on C-ITS)





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