

09:00 SESSION 1: INTRODUCTION AND KEYNOTES

Soeren HESS, ETSI TC ITS Chairman

- **09:00 Welcome address**
Soeren HESS, ETSI TC ITS Chairman
- **09:15 A first step**
Luis Jorge ROMERO, ETSI Director-General
- **09:30 Towards Globally Harmonised Standards in Cooperative ITS**
Juhani JÄÄSKELÄINEN, European Commission DG CONNECT
- **09:45 Standardisation needs to support harmonised C-ITS deployment**
Bernd DATLER, ASFINAG
- **10:00 1,2,3,...V2X on the road - Are we /almost/ ready?**
Anders HJELMARE, Kapsch TrafficCom
- **10:15 ITS Communication Technologies: Disaster is Looming**
Russ SHIELDS, Ygomi
- **10:30 The urban ITS expert group's work on standardisation needs.**
Dorota SZELIGOWSKA, European Commission DG Move

10:45 COFFEE BREAK

11:15 SESSION 2: HOW DO STANDARDS MATCH THE PLANNED DAY ONE DEPLOYMENT?

Session Chair: Martin Arndt, ETSI

The stakeholders are ready for deployment of Cooperative ITS – are standards ready as well? Have CEN and ETSI developed the standards needed for day one or are we instead looking forward to 2020 in our standardization activities? Can we provide the high quality standards in time? Discuss with stakeholders the requirements for applications, communications management and security.

- **11:15 Current Status of ITS Radiocommunications in Japan**
Hiroki TANIGUCHI, Ministry of Internal Affairs and Communications (Japan)
- **11:30 ITS Standardization and Deployment as seen by a volume vehicle manufacturer**
Teodor BUBURUZAN, Volkswagen AG
- **11:45 About application management, globally unique identifiers and establishment of trust in C-ITS**
Hans Joachim FISCHER, CEN TC278 PT1601
- **12:00 The results of mandate M/453 on cooperative systems**
Emilio CASTRILLEJO, European Commission, DG ENTR
- **12:15 A US Perspective on ETSI ITS Standards**
John KENNEY, Toyota InfoTechnology Center
- **12:30 Discussion time**

13:00 LUNCH BREAK

14:00 SESSION 3: WHAT IS NEXT IN STANDARDISATION IN EUROPE

Session Chair: Soeren HESS, ETSI TC ITS Chairman

The Release process in standardization for Cooperative ITS is meant for satisfying the needs of those who deploy such systems in this sense:

- *Release 1 (Mandate M/453): a minimum set of standards for interoperability*
- *Release 2: future and extended features and functionalities*

What do the stakeholders expect as the next steps for standardization in ETSI and CEN? How is the ETSI Release process related to the activities in other SDOs?

How do the stakeholders perceive the ETSI Release 2 suggestions?

3 slider presentations and panel discussion with contributions from the audience in particular on Release 2.

- **14:00 The need for a release process. Current status?**
Marco ANNONI, Telecom Italia, ETSI TC ITS Vice-Chairman
- **14:15 C-ITS Standardization: Follow up activities based on the EC standardization mandate M/453 at CEN and ISO**
Hans Joachim SCHADE, CEN TC 278
- **14:30 Next phase to C-ITS standardization for Applications from ISO WG14 point of view**
Yousuke AKASTU, Nissan Motor
- **14:45 Panel discussion**
 - Lan LIN, ETSI TC ITS WG1 vice-chairman, Hitachi Europe Ltd.
 - Knut EVENESEN, ETSI TC ITS WG2 Chairman, Q-Free
 - Andreas FESTAG, ETSI TC ITS WG3 Chairman, NEC
 - Christoph WOESTE, ETSI TC ITS WG4 Chairman, Federal Network Agency (DE)
 - Scott CADZOW, ETSI TC ITS WG5 Chairman, Cadzow Communications

15:30 COFFEE BREAK

SESSION 4 : TESTING AND CERTIFICATION / COMPLIANCE ASSESSMENT

Session chair: François FISCHER, ERTICO

Field Operational Tests such as FOTs, DriveC2X, SCORE@F and simTD are running and supported by projects such as ITSSv6 and PRESERVE. What are the objectives of these Field Operational Tests? To which extents are the standards used which are already available? Will certification be the next logical step? How should such certification of equipment look like? Who will certify and who will prepare the specifications to certify against?

- **16:00 DRIVE C2X - Accelerate Cooperative Mobility**
Andreas FESTAG, NEC Laboratories Europe
- **16:15 Cooperative ITS Standards in FOTs Deployments in cooperation with ITSSv6**
Antonio SKARMETA, University of Murcia
- **16:30 Testing and certification ITS Test house services**
Ulrich KEULING, CETECOM
- **16:45 About the need for coverage measurements in ITS-G5 radio communication infrastructure**
Heinz MELLEIN, ROHDE & SCHWARZ,
- **17:00 C2X Compliance Assessment**
Katrin Sjöberg, Volvo Technology Corporation
- **17:15 Discussion time**

17:45 NETWORKING COCKTAIL

SESSION 5 : THE COMPANIONS OF COOPERATIVE ITS AND FUTURE ASPECTS

Session chair: Knut EVENSEN, Q-Free, ETSI TC ITS WG2 Chairman

The digital tachograph, eCall, monitoring of dangerous goods, welfare of animals during transportation, communications assisting the charging of electric vehicles: Cooperative ITS and these initiatives can fit together by integrating them into a single platform. The expertise gained in Cooperative ITS standardization can definitely help to get these initiatives running. On the other hand, it is a good idea to consider future aspects when designing such a platform. What do these initiatives have in common with Cooperative ITS? How do synergies look like? Who is interested in having standards here?

- **09:00 A renewed and more secure Digital Tachograph**
Vincent MAHIEU, EC Joint Research Centre.
- **09:15 Performance evaluation of an EV charging station search and reservation protocol**
Sandford BESSLER, Forschungszentrum Telekommunikation Wien GsmbH (FTW)
- **09:30 eCall / C-ITS integration**
Emilio DAVILA-GONZALES, European Commission, DG CONNECT
- **09:45 Cooperative ITS for all: Enabling DSRC in mobile devices**
Sundar SUBRAMANIAN, Qualcomm
- **10:00 Discussion time**

10:30 COFFEE BREAK

11:00 SESSION 6 TOWARDS THE CONNECTED CITY – ITS AND SMART CITY IN HARMONY

Session chair: Lan LIN, Hitachi, ETSI TC ITS WG1 vice-chairman

Cooperative ITS will be one of the enabling factors for Smart Cities. However, it is necessary to put ITS in a wider social context as transport is one of the biggest users of resources of cities. ITS can help to use these resources in an efficient way. Discover which ITS domains have to complement Cooperative ITS. What role do Machine-to-Machine (M2M) communications play here? How does this all interact and which standards and technologies are necessary to make the city smart?

- **11:00 Integrating ITS Standards to the needs of society's stakeholders**
Scott CADZOW, Cadzow Communications Consulting Ltd
- **11:15 eCo-FEV: efficient Cooperative Infrastructure for Fully Electric Vehicles**
Yuichi KOBAYASHI, Hitachi Europe
- **11:30 New PFME POI for connected cars in smart cities**
Bernadette VILLEFORCEIX, Orange Labs Networks
- **11:45 Towards Autonomic Road Transport Support Systems**
Antonio F. SKARMETA, University of Murcia
- **12:00 Compass4D – Deployment of Cooperative ITS in European Cities**
François Fischer on behalf of Pierpaolo TONA, ERTICO
- **12:15 Discussion time**

12:45 LUNCH BREAK

14:00 SESSION 7: IS THERE A BROADBAND DILEMMA FOR ITS?

Session Chair: Christoph WÖSTE, BMWi, ETSI TC ITS WG4 Chairman

Countless ITS applications and visions from simple safety related functions up to broadband entertainment streams for passengers in the car require an enormous amount of bandwidth and spectrum. The ITS-G5 spectrum is limited in capacity; hence it has to be used in the most efficient way. Which technologies are most suitable for preventing spectrum congestion? Will the combined usage of radio networks such as ITS-G5, LTE and RLANs avoid bottlenecks in connectivity? Is there a way to organize the networks for ITS in an "operator-free" style?

- **14:00 Converge Project**
Prof Horst WIEKER, University of Applied Sciences
- **14:15 Fairness and Stability of Distributed Congestion Control (DCC) Algorithms**
Sundar SUBRAMANIAN, on behalf of Xinzhou WU, Qualcomm Technologies
- **14:30 Network Congestion Control in ETSI GeoNetworking**
Jan DE JONGH, TNO, ETSI STF 447 Leader
- **14:45 Controlling Channel Congestion Using CAM Message Generation Rate**
John KENNEY, Toyota InfoTechnology Center
- **15:00 Discussion time**

15:30 Coffee Break

16:00 SESSION 8: COOPERATIVE ITS DEPLOYMENT – CONCLUDING PANEL

Session Chair: Soeren HESS, ETSI TC ITS Chairman

The deployment of Cooperative ITS is in everybody's mouth. Experts from ETSI, ISO/CEN, road operators, road authorities, car makers, service providers and policy makers will discuss how the deployment will look like and what the next steps could be.

- **Panel discussion with participants from:**
- Marco ANNONI, Telecom Italia (ETSI TC ITS Vice-chairman)
- Hans Joachim SCHADE, (CEN TC 278 WG16 chairman)
- Tom ALKIM, Rijkswaterstaat
- Marko JANDRISITS, ASFINAG
- Achim BRAKEMEIER, Daimler AG
- Juhani JÄÄSKELÄINEN, European Commission DG CONNECT

17:30 Closing of the workshop