

Space and SATCOM for 5G

European Transport and Connected Mobility

27 – 28 June 2017

Crowne Plaza Brussels - Le Palace, Rue Gineste 3, 1210 Brussels

Profound change lies ahead for the transport sector, both in Europe and in other parts of the world, while a wave of technological innovation and disruptive business models has led to a growing demand for new mobility services. In fact, transportation systems are developing towards connected mobility, and the choice of communication technology, which should be transparent for the end user, it will be based upon the location, the type of service and cost efficiency. 5G and satellite communication should be integrated as future technologies into the hybrid communication mix¹.

The Space Strategy for Europe² underlines the role satellites can play to provide cost-effective solutions to improve connectivity for Europe's digital society and economy as part of the future 5G networks, where numerous applications and services using space data will also require uninterrupted connectivity. It encourages the uptake of space solutions by integrating space into future strategies addressing the transport sector at large, including for example autonomous and connected cars, trucks, ships, trains, airplanes and unmanned aerial vehicles.

The Conference aims at **promoting cooperative frameworks that encourage the interworking of satellite and terrestrial technologies in support to the automotive and transport sector, by bringing together the respective business and institutional communities. Special emphasis will be put on the roles and approaches of the diverse groups of stakeholders involved in the development of satellite based 5G networks and of future transportation vehicles.** Both policy and technology aspects related to 5G and future space-based solutions will be discussed, with a clear focus on markets where satellite communications and other space applications provide strong value-add and complementarity to terrestrial 5G solutions.

Participants will discuss the user and market needs on the demand-side and the possible solutions on the supply-side, outlining a way ahead which may include public-private partnership models, private investments, the EC 5G Action Plan and ESA R&D support activities. The findings and recommendations of the event will be reflected in an executive report, made available to key decision-makers in industry and institutions.

¹ A European Strategy on Cooperative Intelligent Transport Systems, a milestone towards cooperative, connected and automated mobility. COM(2016)766 Final, 30.11.2016

² Space Strategy for Europe. COM(2016)705 Final, 26.10.2016

Day 1 (afternoon) – 27 June 2017 (13:30 – 18:30)

13:30	Registration and Welcoming Coffee
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14:00 14:45	Opening remarks	Geneviève Fioraso Chair, ESPI Advisory Council Former Minister of Education and Research, Member of Parliament Magali Vaissiere Director of Telecommunications and Integrated Applications, ESA
	Opening Key Note	David Kennedy, Director, EURESCOM

Panel 1 Policy Perspective

Chair: Evert Dudok, Chairman-Elect ESOA (EMEA Satellite Operators Association)

14:45 15:30	Policy Key Note	Roberto Viola Director General, EC DG-CONNECT
15:30 17:00	Policy perspectives	<i>The Satellite Operators: 5G manifesto</i> Karim Michel Sabbagh Chief Executive Officer, SES
		<i>The European Parliament perspective</i> Gesine Meissner Committee on Transport and Tourism, Member of the European Parliament
		<i>The Satellite Manufacturers perspective</i> Christophe Nussli Head of 5G strategy, Thales Alenia Space Philippe Boutry Deputy Head Telecom Systems, Telecom Satellites, Airbus DS SpS
		<i>ESA Industrial Policy perspective</i> Geraldine Naja Head of Industrial Policy and Audit Department, ESA
17:00 17:15	Coffee break	
17:15 17:45	Spectrum and regulatory aspects	Francois Rancy Director, Radio Comm Bureau, ITU
17:45 18:00	The ESA TIA perspective	Hermann Ludwig Moeller Head of TIA Programme Office, ESA
18:00 18:30	Panel 1 discussion	Questions and Answers Panel 1 Wrap-up
19:00 22:00	Social Event (Dinner at Hotel Crowne Plaza Brussels - Le Palace)	

Day 2 (morning) – 28 June 2017 (9:00 – 13:00)

Panel 2 User Perspective

Chair: David Kennedy, Director, EURESCOM

9:00 9:45	Transport Key Note	Geert van der Linden Sustainable & Intelligent Transport, EC DG-MOVE
9:45 10:30	The added value of Space Applications	<p><i>Integrated Applications at ESA</i> Rita Rinaldo Head of institutional projects section Department Integrated Applications, ESA</p> <p><i>The Space Downstream Market and the Transport Sector</i> Fiammetta Diani Deputy Head of Market Development, European GNSS Agency (GSA)</p> <p><i>User Needs and Satellite Services</i> Jean Francois Bureau Director, Institutional and International Affairs, Eutelsat</p>
10:30 10:45	Coffee break	
10:45 12:45	Transport perspective	<p><i>A Transport Association Perspective (Road, Rail, Maritime transport)</i> Stefano Spennati EU Affairs Policy Advisor Conftrasporto – Confcommercio Imprese per l'Italia</p> <p><i>Connected Cars</i> Joel Schroeder VP, Strategy & Business Development Connected Car Program Inmarsat</p> <p>Ines Sanz Customer Engineering Manager, Sat2Car Project Hispasat</p> <p><i>Space for Rail</i> Stefano Neri Trenitalia S.p.A.</p> <p><i>Smart Cities and Connected Mobility</i> Richard Lax EU Affairs Officer Kapsch TrafficCom AG</p> <p><i>The Evolution of Space Services</i> Vincenzo Fogliati Head of EU & Space Agencies Funding Opportunities Development Telespazio</p>
12:45 13:00	Panel 2 discussion	Questions and Answers Panel 2 Wrap-up
13:00 14:00	Lunch	

Day 2 (afternoon) – 28 June 2017 (14:00 – 18:30)

Panel 3 Partnership Perspective

Chair: Christine Leurquin, Vice-Chair of the 5G-IA Board

14:00 14:45	Partnership Key Note	Jaime Silva EC DG-GROW / ESPI Advisory Council
14:45 15:15	The European Commission 5G Public Private Partnership	Bernard Barani Head of Future Connectivity Systems EC DG-CONNECT
15:15 17:00	Innovative Partnerships models	Xavier Lobao Head of Future Projects Division Telecom Technologies, Products and Systems Department, ESA
		Alessandro Coda Chief Technical Officer European Association of Automotive Suppliers (CLEPA)
		Eric Beranger Chief Executive Officer OneWeb
		Bruno Fromont Senior VP Strategy and Asset Management Intelsat
		Laurent Reynaud Research Engineer Orange Labs Networks
		Catherine Dargeou Telecommunications Institutional Sales Thales Alenia Space
		Jean Francois Charrier Head of Institutional Business –Telecom Satellites Airbus Defense and Space

Final Round Table

Recommendations for a way ahead (17:00 – 18:30)

Chairs, industrial and institutional representatives from Policy, User and Partnership Panels

Chairs: Magali Vaissiere, Jean-Jacques Tortora

Closing (18:30)