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| The International Teleocmmunication Union - Connecting the World. | **International telecommunication union****Telecommunication Standardization Bureau** |  |
|  | Geneva, 14 January 2025 |
| Ref:Contact | **TSB Circular 004**FNC-2025/SPStefano Polidori | **To:**- Administrations of Member States ofthe Union;- ITU-T Sector Members;- ITU-T Associates;- ITU Academia |
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| E-mail: | tsbevents@itu.int | **Copy to:**- The Chairs and Vice-Chairs ofStudy Groups;- The Director of the Telecommunication Development Bureau;- The Director of the Radiocommunication Bureau |
| **Subject:** | **Symposium on the Future Networked Car (Fully Virtual, 24-27 March 2025), and meeting of the Collaboration on ITS Communication Standards (Fully Virtual, 28 March 2025)**  |

Dear Sir/Madam,

1 I am very pleased to inform you that the International Telecommunication Union (ITU) and the United Nations Economic Commission for Europe (UNECE)will be co-organising the 20th edition of the **Symposium on the Future Networked Car (FNC-2025)** taking place virtually from **24-27 March 2025** from **13h00 to 16h00 CET each day**.

2 The Symposium will be followed by the meeting of the **Collaboration on Intelligent Transport Systems Communication Standards (CITS)** taking place on **28 March 2025.** For more information on the CITS meeting see: <https://www.itu.int/go/cits>.

3 The Future Networked Car Symposium examines the latest advances in vehicle connectivity and automated mobility, sharing international insights into associated implications for technology, business, standards, and regulations.

4 Since its inception in 2005, the Symposium has brought together representatives of the automotive, transportataion, and information and communications technology industries, along with government leaders, and regulators to discuss the status and future of vehicle communications and automated driving from both technical and regulatory viewpoints.

5 FNC-2025 panelists will examine the technology and global regulatory framework that will support deployment of highly automated mobility solutions. The latest technolgy advances in the areas of vehicle connectivity, including automotive satellite connectivity and remote driving will be discussed as ways to enhance automated vehicle development and operation, vehicle design and manufacturing, road management, and passenger experience. The Symposium will delve into the relationships between vehicle communications and automated driving by analyzing the crucial role of regulatory frameworks. Collaboration among the various standards bodies is an essential component to successfully realise a safer future mobility.

6 Participation is open to ITU Member States, Sector Members, Associates and Academic Institutions and to any individual from a country which is a member of the United Nations who wishes to contribute. This includes individuals who are also members of international, regional and national organisations. Participation in the Symposium will be free of charge.

7 All relevant information pertaining to the Symposium, (speakers, draft programme, remote connection details, registration links) will be made available on the main event website found at: <https://fnc.itu.int/>.

8 **Please be advised that registration is compulsory.** The Symposium website will be continually updated with the latest information and any changes. Participants are encouraged to visit the website regularly for updates. For further details regarding the programme, please contact Mr Stefano Polidori (stefano.polidori@itu.int)

9 For information on **sponsorship opportunities** for the FNC-2025, please contact tsbevents@itu.int. The sponsorship package can be downloaded online at: <https://fnc.itu.int/engage/>

Yours faithfully,

*(signed)*

Seizo Onoe

Director of the Telecommunication
Standardization Bureau

**Annexes:** 1

**ANNEX
FNC-2025 Draft Programme**Fully virtual, 24-27 March 2025

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| ***24 March 2025 (13h00-16h00 CET)*****OPENING**Opening addresses from ITU and UNECE**SESSION1: Advancing Vehicle Safety through Regulatory Innovation**Stay ahead of the curve in automotive safety at Future Networked Car. Session 1 will explore the latest UNECE regulatory developments in automation and safety at WP.29/GRVA and the broader automotive regulatory community. Key highlights will include the newly adopted regulation on acceleration control for mitigating pedal error (ACPE) and updates on advanced emergency braking systems (AEBS). Join industry leaders, policymakers, and technical experts as they discuss how these regulations shape safer, smarter, and more responsive vehicles for the future of mobility.**Moderator: Takashi Naono,** Director, MLIT, Japan |
| ***25 March 2025 (13h00-16h00 CET)*****SESSION 2: Challenges in achieving effective vehicle remote driving** During this session, we will discuss vehicle teleoperation, the capability that enables a human operator at a control station to control and operate a vehicle in a remote location through commands via input/control devices, receiving feedback from displays. We’ll discuss motivation and introduce some potential applications, what standards are being developed, ongoing and future research projects, and where applications are being deployed in trials or demonstrations. In addition, the session will examine the requirements and challenges of teleoperation with respect to human factors, hardware, and software and current limitations.**Moderator: William (Bill) Gouse**, SAE International |
| ***26 March 2025 (13h00-16h00 CET)*****SESSION 3: The outlook for automotive satellite-cellular connectivity**The transition to 5G R17-19 is ushering in direct-to-device satellite communications with handsets and, soon, automobiles.  Initial applications will be emergency response and other narrowband applications.  In time, the transition to broadband solutions will arrive.  Satellite service providers will need to cooperate with wireless carriers and auto makers will have to come to grips with new antenna technologies, the adoption of new standards, and the exploration of new business models. Panellists will address all of these topics.**Moderator: Roger Lanctot**,President, Mobile Satellite Users Association |
| ***27 March 2025 (13h00-16h00 CET)*****SESSION 4: Vehicular Communication for Automated Driving**Vehicles with automated driving systems (ADS) have been under development for many years. Widespread testing of vehicles with ADS has occurred and initial deployments have started. Drivers are becoming familiar with vehicle automation. The general belief is that the level of automation in vehicles is destined to grow. This session will explore how vehicular communications will be used in vehicles with ADS and what future actions are needed. This topic is being explored by the CITS Expert Group on Vehicular Communication for Automated Driving, which will provide updates on its activities.**Moderator: T. Russell Shields,** Chair, ITU Collaboration on ITS Communications Standards |