

Actions of the inland transport sector to join the global fight against climate change

85th Session

INLAND TRANSPORT COMMITTEE



Intelligent Transport Systems

Developments in 2022-2023

(Introducing ECE/TRANS/2023/19/Rev.1)

Framework

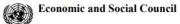
Revised UNECE Roadmap on ITS from 2021





United Nations

ECE/TRANS/2021/15



Distr.: General 15 December 2020

Economic Commission for Europe

Inland Transport Committee

Eighty-third session Geneva, 23-26 February 2021

Item 7 (d) of the provisional agenda Strategic questions of a horizontal and cross-sectoral policy or regulatory nature: Intelligent transport systems

> Draft revision of the UNECE Road Map on Intelligent Transport Systems

Note by the secretariat

Following the decision of the Inland Transport Committee (ITC) at its eighty-second session (ECE/TRANS/294, para 32), the ECE Secretariat initiated activities, in close cooperation with relevant Working Parties and subsidiary bodies, to prepare a revision of the UNECE Roadmap on Intelligent Transport Systems (ITS).

The secretariat launched consultations of the Working Parties and subsidiary bodies and requested inputs from the stakeholders by using online collaboration tools. The draft received numerous comments, despite disruptions created by the COVID-19 pandemic, that

At its session in November 2020, the ITC Bureau reviewed the draft revised UNECE Road Map on ITS and recommended its submission the ITC for consideration at its eighty third session in February 2021.

The Inland Transport Committee may wish to:

- . consider and endorse the draft updated Road Map on ITS for the period 2021-
- . note that, in full recognition of the fast pace of technological change and in order to ensure the relevance of the Road Map in this respect, informal consultations could be initiated by the secretariat to prepare a post 2025 document.

I. Background

Intelligent transport systems (ITS) are considered a part of the solution to current and future transport challenges. They are widely recognized as an efficient instrument towards achieving efficient, safe and sustainable mobility. Notwithstanding its perceived benefits, the use of various ITS solutions has faced obstacles. To overcome these challenges, the Inland Transport Committee (ITC) and the ECE secretariat launched activities for the formulation





- Adopted in February 2021
- 18 Actions
 - Across transport modes
 - Rail
 - Road
 - Inland waterways
 - Multi-modal transport
 - Covering specialized areas e.g.
 - Transport of Dangerous Goods
 - Ensuring data security
 - Looking at digitalization and emerging technologies

IWG on ITS

2 sessions



16 June 2022 – 4th session

- Review of the ITS roadmap implementation
- Keynote presentations to keep abreast on developments related to vehicle corridors and connected services looking at international, regional and local perspectives

17 January 2023 – 5th session (special)

- Session organized on request by WP.29 to explore the role of WP.29 regarding Vehicular Communication.
- The group worked on preparatory activities on vehicle communications, supported by presentations from China, ERTICO (ITS Europe), ITU-T, Automotive industry.
- The group received information (liaison statements) from Standard Developing
 Organizations that developed standards on vehicular communication for two decades.
- The group will advise WP.29 in March 2023

Highlights from 2022-2023

Working Parties activities

UNECE I	
• SC.3	(RIS, automation & smart shipping)
WP.15	(Telematics)
WP.1	(adopted a Resolution on [] activities other than driving [])
WP.29	(Adopted a significant update to UN Regulation No. 157-ALKS)
GRVA	(2 technical WS on A.I., China proposed to address vehicular communication, 8 WS on the implementation of cyber security requirements)
• WP.24	(WS on information and document digitalization in intermodal transport, WS on Automation)

(Seminar on cyber security threats to electrical vehicle charging stations)

SC.2 (Creation of a new innovation platform to identify key ITS areas for competitiveness)

WP.5

Recurrent activities

ITU/UNECE annual symposium on the Future Networked Car



- The 2022 annual symposium was organized as a virtual event.
 - Duration: four days
 - Up to 200 participants

Four sessions:

- Government Authorities' Coordination for Automated Driving and their Intelligent
 Transport highlighting the necessary integration efforts at international, regional and local levels
- 2. Artificial General Intelligence Applied to Vehicle Safety, Services, and Transport Management highlighting the poor ADAS performance in some markets
- 3. Automated Driving Systems for Consumer and Other Vehicles (Trucks, Delivery, Shuttles, Robotaxis, Etc.) looked at commercial opportunities in the field of automated vehicles
- 4. Wireless Communications Applied to Vehicle Safety, Services, and Transport Management Looked at the current status and future directions

Request to ITC



- ITC is kindly invited to encourage:
 - WP.1 to continue its consideration and exchange of views on ADS
 - WP.29 and GRVA to continue its work on the ADS safety assessment to deliver a worldwide certification for such technologies
 - SC.3 to continue its activities on RIS, automation and smart shipping
 - WP.15 to continue its activities on telematics
 - WP.24 to continue its activities related to action 12 of the UNECE roadmap on ITS

6



Actions of the inland transport sector to join the global fight against climate change

85th Session

INLAND TRANSPORT COMMITTEE



Thank you!

Francois Guichard (Engineer)
ITS/AD focal point

UNECE

Date 22 I 02 I 2023, Geneva