

Overview of the ITU CITS Expert Group on Communications Technology for Automated Driving (EGComAD)

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Chair, ITU Collaboration on ITS Communications Standards

ITU Collaboration on ITS Communications Standards

- The ITU Collaboration on ITS Communications Standards CITS is at <https://www.itu.int/en/ITU-T/extcoop/cits/Pages/default.aspx>
- CITS brings together over 20 organizations worldwide involved in Intelligent Transport Systems (ITS)
- CITS holds semi-annual meeting to bring its participating organisations together
 - The next CITS meeting is Friday 28 March 9:00 – 17:00 CET
- CITS coordinates the ITU interface with the UNECE World Forum for the Harmonization of Vehicle Regulations

UNECE World Forum for the Harmonization of Vehicle Regulations

- The UNECE World Forum for the Harmonization of Vehicle Regulations WP.29 is at <https://unece.org/transport/vehicle-regulations/world-forum-harmonization-vehicle-regulations-wp29>
- WP.29 has the ITS Informal Working Group (IWG) (<https://wiki.unece.org/pages/viewpage.action?pageId=92013014>)
- The ITS IWG has the ITS Task Force on Vehicular Communications (TF VC) (<https://wiki.unece.org/display/trans/ITS+Task+Force+on+Vehicular+Communications>)
 - The VC TF created the document <https://unece.org/transport/documents/2024/12/working-documents/iwg-its-vehicular-communications-definition-types>

ITU WP.29 Cooperation

- Experts from ITU participate in WP.29 groups and meetings
- WP.29 participates in ITU CITS
- ITU and WP.29 jointly organise the Future Networked Car Symposium

CITS Expert Group on Communications Technology for Automated Driving

- CITS created the CITS Expert Group on Communications Technology for Automated Driving (EGComAD) (<https://www.itu.int/en/ITU-T/extcoop/cits/egcomad/Pages/default.aspx>)
- EGComAD was created jointly with OICA (<https://www.oica.net>) and FISITA (<https://fisita.com>)
- EGComAD leadership is from OICA, FISITA, and ITU, bringing together automotive engineering experts and communications engineering experts

Vehicular Communications for Merging Automatically into Congested Lanes

- EGComAD created WG1 Vehicular Communications for Merging Automatically into Congested Lanes (EGComAD WG1) (<https://www.itu.int/en/ITU-T/extcoop/cits/egcomad/wg01/Pages/default.aspx>)
- EGComAD WG1 leadership is from OICA and ITU, bringing together automotive engineering experts and communications engineering experts

Vehicular Communications for Advanced Emergency Braking, Including to Protect VRUs

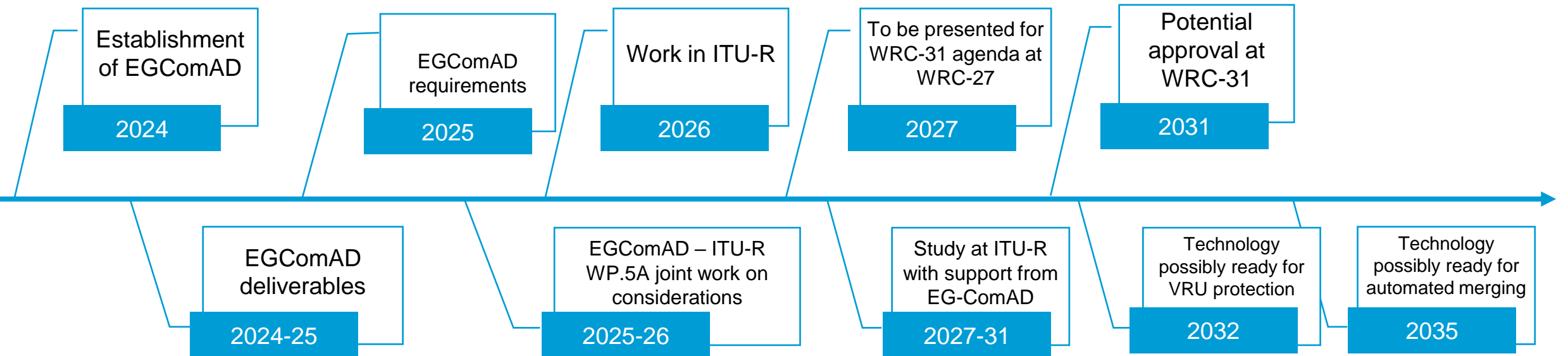
- EGComAD created WG2 Vehicular Communications for Advanced Emergency Braking, Including to Protect VRUs (EGComAD WG2) (<https://www.itu.int/en/ITU-T/extcoop/cits/egcomad/wg02/Pages/default.aspx>)
- EGComAD WG2 leadership is from FISITA and ITU, bringing together automotive engineering experts and communications engineering experts

EGComAD Input to ITU Groups

- EGComAD will provide input to ITU-R WP.5A and ITU-T SG 21
- ITU-R WP.5A is currently working on Question 264/5 (<https://www.itu.int/en/ITU-T/extcoop/cits/egcomad/wg02/Pages/default.aspx>)
 - EGComAD will provide automotive requirements to ITU-R WP.5A during 2025-26
- ITU-T SG 21 is currently working on Question 10/21 (https://www.itu.int/ITU-T/workprog/wp_search.aspx?sp=18&sg=21&q=10)
 - EGComAD expects to provide possible areas for standardisation to ITU-T SG 21 during 2028-30

EGComAD Possible Time Frame for New Spectrum and Communications Approaches for V2V

- EGComAD will work with ITU-R WP.5A on the requirements of possible V2V communications for 2030-ca.,2060



- EGComAD expects to start working with CITS participants (WP.29, ITU-T SG 21, ETSI, SAE, etc,) in about 2027 on standards for possible V2V communications for 2032-ca.,2060