

PARTICIPATING ORGANIZATION ENGAGEMENT STRATEGY
2024 CALL FOR PROJECT CONCEPT NOTES
INTERNATIONAL TELECOMMUNICATION UNION

I. Overall approach to UNRSF 2024 Call for Concept Notes

ITU is working to enhance road safety and traffic management systems by countering technology related driver distraction, promoting safe user interfaces in vehicles, and developing Intelligent Transport Systems (ITS) that improve the safety, management and efficiency of terrestrial transport, while reducing its environmental impact. ITU has been collaborating globally to develop Information and Communication Technologies (ICTs) standards specifically related to road safety or safe user interfaces and communication systems in vehicles designed to optimize driving performance by eliminating unsafe technology-related distractions.

Bridging the standardization gap is a fundamental part of ITU's mission to connect the world. Harmonized ITS standards for admission of vehicles to traffic, roads design and signage, as well as for data collection, ensures interoperability and harmonization of technological solutions currently applied within the countries and thus sustainability and safety for mobility and the movement of goods, and smooth transition to automated vehicles.

In addition, the ITU recently launched the Expert Group on Communications Technology for Automated Driving, under the ITU Collaboration on ITS Communications Standards, which is playing a crucial role in shaping the future of vehicular communications technology for automated driving systems (ADS). Its mission is to enhance the rollout of ADS products and ensure their safety, including by addressing the challenge of vehicles with ADS active merging into congested lanes. This expert group is collaborating with the worldwide community of standard makers and has established two working groups to study “WG1 – Vehicular communications for merging automatically into congested lanes”, and “WG2 – Vehicular communications for advanced emergency braking, including to protect vulnerable road users (VRUs)”.

This framework will guide the overall ITU approach to the 2024 UNRSF Call for Proposals. ITU will focus its work on: creation an inventory of all existing standards and technical regulations related to ITS in the countries to identify the standardization gap; dissemination of information about existing globally approved ITS standards; provision of technical assistance and especially conducting capacity building activities to ensure implementation of standards and empowerment of decision-makers, including standardization authorities, road traffic managers on the use of ITS for road safety, including radiocommunications aspects, automotive cybersecurity, vehicular multimedia and in general the performance of AI systems and related communications involving vehicles. Finally, ITU will assist countries in piloting ITS to enhance traffic management, enhancing vehicle safety systems, roadway safety systems, incident and emergency response.

II. Application strategy

ITU will consider submitting joint proposals with ITU Member States, ITU Sector Members and other stakeholders such as civil society organizations, private sector, academia and international organizations. Interested organizations should send a brief description of the idea outlining the roles envisaged for each partner. More information on ITU activities related to ITS and smart mobility can be found at: <https://www.itu.int/en/ITU-T/ITS/Pages/default.aspx>

III. Contact information

Anna Perlin, Partnerships and Resource Mobilization Officer, anna.perlin@itu.int
