

Invitation to the 12th Session of the GRVA Informal Working Group on Functional Requirements for Automated Vehicles (FRAV)

The 12th session of the FRAV informal group is scheduled for 8 April 2021 between 13:00 and 15:30 CET via web conference.

Session Objectives

The session is expected to cover the following items:

1. Fuzzy Surrogate Safety Metrics for ADS assessment
2. Consideration of the consolidated input on the safety topics
3. Discussion of responses to the questions raised during the previous session
 - 3.1. What functions comprise the DDT (i.e., the functions necessary to safely operate a vehicle)?
 - 3.2. What terms and definitions should be used to describe ADS users and their roles/responsibilities?
 - 3.3. What categories of other road users might an ADS encounter and interact with?
 - 3.4. What are FRAV's views on the scope and purpose of the DSSAD function?
4. Leadership proposal for next steps
 - 4.1. Agreement on coordinators to prepare written responses to the above questions based on FRAV experts' input for consideration during the next session
 - 4.2. General work plan and goals towards presenting outcomes during the September GRVA session and ADS safety requirements proposal for the GRVA February 2022 session

Additional context

Fuzzy Surrogate Safety Metrics for ADS assessment

FRAV will receive a presentation from the JRC on a "performance models" approach to defining safety requirements and assessing ADS.

Input on safety topics

FRAV will receive a document prepared by the secretary that consolidates the input on the current safety topics (based on FRAV-09-08).

Discussion of questions raised during the last session

The co-chairs wish to enable parallel work streams to facilitate progress in between FRAV sessions. Toward this end, the co-chairs would like to discuss stakeholder views on DDT functions, user definitions, categories of other road users, and DSSAD. The discussion of the first three points would provide a baseline to support the preparation of draft terms and definitions for consideration in early May. The DSSAD discussion aims to provide a basis for drafting FRAV recommendations to support the work of the EDR/DSSAD informal working group.

Next steps

FRAV is expected to deliver a proposal for ADS safety requirements to the February 2022 GRVA session. FRAV should aim to provide an interim document describing these requirements to the September GRVA session. The co-chairs would like FRAV to discuss possible milestones for work between the April session and the September GRVA session towards this goal. The interim outcome should be a substantive document addressing the diversity of ADS usage specifications, draft safety requirements and the rationale behind the requirements, and the terms and definitions used in the requirements. FRAV would then have the October-January period to finalize its proposal.