

Invitation to the 22nd Session of the GRVA Informal Working Group on Functional Requirements for Automated Vehicles (FRAV)

The 22nd session of the FRAV informal group is scheduled for 15-16 December 2021 between 12:45 and 15:15 CET each day via web conference. Further details will be posted as available on the [FRAV wiki page for the session](#). Participants can [connect to this session via this link](#).

Session Objectives

During the last session, FRAV reviewed the status of the ADS requirements and data collection workstreams. FRAV also considered a request from SG1 (per a joint decision of the FRAV-VMAD leaderships) to review three basic scenarios and indicate which general requirements would apply.

FRAV agreed to base further development of ADS safety requirements on a revised consolidated working draft of its submission the next GRVA (FRAV-21-05). The workstream pilots will continue gathering stakeholder input in their respective task areas and drafting proposals for FRAV consideration. FRAV decided to present its output to the next GRVA as a status report.

FRAV agreed to develop a limited number of sample data elements to illustrate its recommendations for the categorization and application of ADS data elements under the work of the EDR/DSSAD informal group.

FRAV reviewed the scenarios provided by VMAD SG1 and solicited stakeholder input on aligning ADS safety requirements with these and future scenarios that may be provided for consideration.

Therefore, the 22nd FRAV session plans to address the following topics:

- Updates from the ADS requirements workstreams to the consolidated worktable
 - Discussion in particular of HMI and ADS user general requirements
 - Changes to FRAV-21-05 based on stakeholder and workstream leader proposals
 - FRAV guidance on objectives for the January session (expectations for workstream deliverables to FRAV)
- Review of VMAD SG1 scenarios
 - Discussion of general requirements relevant to ADS navigation of each scenario as presented (i.e., generic level without reference to unspecified elements)
 - Consideration of ODD conditions relevant to ADS navigation of each scenario
 - Consideration of other elements relevant to ADS navigation of the scenario (e.g., behavior of the adjacent vehicle in the cut-in scenario)
 - Development of FRAV feedback to SG1
- Update from the ADS data collection workstream
 - Discussion of sample data elements and their treatment under the FRAV framework
 - Consideration of EDR (on-board data for crash analysis) and In-Service Monitoring and Reporting (manufacturer uploading and processing of data for reporting on ADS performance metrics)
 - Discussion of recommendations responding to the EDR/DSSAD request (with particular attention to the EDR priority for introducing ADS elements into UN R160)