

Invitation to the 21st Session of the GRVA Informal Working Group on Functional Requirements for Automated Vehicles (FRAV)

The 21st session of the FRAV informal group is scheduled for 17-18 November 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 our last session, FRAV reviewed the status of the ADS requirements and data collection workstreams. FRAV also received 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.

Since then, the EDR/DSSAD informal group has reviewed the FRAV recommendations for ADS data collection. EDR/DSSAD has asked FRAV to provide examples of data elements and their categorization under the recommended framework. EDR/DSSAD is particularly interested in data elements relevant to motorway automated lane-keeping systems (ALKS). The EDR subgroup is specifically working on ADS-relevant amendments for UN R160 on the type-approval of event data recorders.

Therefore, the 21st 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
 - Impact of the workstream activities on the evolution of Document 5 as the basis for FRAV's submission to GRVA next January
 - FRAV guidance on objectives for the December 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)
 - FRAV feedback to SG1
- Update from the ADS data collection workstream
 - Discussion in particular of ALKS-relevant 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)
 - FRAV guidance towards responding to the EDR/DSSAD request (with particular attention to the EDR priority for introducing ADS elements into UN R160)