

### **Invitation to the 43<sup>rd</sup> session of the GRVA Informal Working Group on Functional Requirements for Automated Vehicles (FRAV)**

The 43<sup>rd</sup> session of the FRAV informal group will be held in Berlin during 12-14 September 2023. The session will be held at the headquarters of VDA (Verband der Automobilindustrie: German Association of the Automobile Industry) located at Markgrafenstrasse, 43 (see [FRAV-43-00 logistical information](#) for more details).

Materials for the session can be found on the [session wiki page](#) as they become available. Participants can join online via the following links:

[12 September](#) (10:00-17:00 CET)

[13 September](#) (09:30-17:00 CET)

[14 September](#) (09:30-13:00 CET)

The session aims to:

- Approve final text of the FRAV recommendations for submission to GRVA's September session.
- Approve text from the FRAV/VMAD Integration Group for the joint submission to GRVA's January session.
- Reach a common understanding of terms and definitions with experts from the GRE AV Signalling Requirements task force.
- Consider unfinished business under the FRAV terms of reference, if any.
- Agree on an FRAV status report to the GRVA September session.

Updates from the workstreams and stakeholder presentations, if any, will be integrated into these discussions.

#### FRAV recommendations to GRVA

The draft submission to the September GRVA session (FRAV-43-04) contains 31 provisions subject to FRAV expert comments or reservations. FRAV needs to reach final determinations on these provisions during this session.

In addition, FRAV expects to receive an updated version of FRAV-42-05/Rev.1 reflecting discussions among interested FRAV experts towards finalizing a set of recommendations for ADS user safety provisions. FRAV will review these recommendations and approve final text for provisions to be added to the above submission.

#### Draft text from the FRAV/VMAD Integration Group

During the 42<sup>nd</sup> session, FRAV received a table of terms and definitions (FRAV-42-07/Rev.1) from the FRAV/VMAD Integration Group. The table proposed a set of terms and definitions based on the FRAV and VMAD documents submitted by GRVA to the June 2023 WP.29 session. In some cases, the Integration Group made changes to reconcile differences between FRAV and VMAD terms and generally improve overall consistency.

As part of finalising its submission to the September GRVA session, FRAV will consider the input from the Integration Group. Unless otherwise decided by FRAV; the September submission will be updated per the terms and definitions provided by the Integration Group.<sup>1</sup>

#### GRE AVSR collaboration

The GRE task force on AV Signalling Requirements (AVSR) has asked for time on the agenda to discuss ADS terms and definitions towards reaching a common understanding. AVSR has been working on amendments to UN R48 (installation of lighting), including proposals for ADS-related terms and definitions (e.g., [AVSR-12-02/Rev.1](#)).

Within the context of its discussions on terms and definitions, FRAV expects to discuss these efforts with colleagues from AVSR towards ensuring common understanding and alignment.

#### Unfinished business under the FRAV ToR

Terms of reference (FRAV-43-05) mandated FRAV to “develop functional (performance) requirements for automated/autonomous vehicles”. In principle, the FRAV submission to the September GRVA session aims to fulfil this mandate. FRAV may wish to review the terms of reference to identify any unfinished business and/or consider further activities or recommendations it may wish to communicate to GRVA in this regard.

#### FRAV status report to GRVA

FRAV will inform the 25-29 September session of GRVA on the status of its work, including its submission of the guidelines and recommendations for ADS regulatory requirements. During the 33<sup>rd</sup> session, FRAV will discuss the status of work and key points to be communicated to GRVA.

#### Next steps

FRAV will consider plans for further meetings, including plans to hold Integration Group, FRAV, and VMAD sessions during the week of 11 December in Tokyo.

*If experts wish time on the agenda for presentations, please notify the secretary. Submissions can be sent to the FRAV secretary ([jcreamers@americanautocouncil.org](mailto:jcreamers@americanautocouncil.org)).*

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<sup>1</sup> This exercise only concerns terms relevant to the FRAV submission; terms exclusive to the VMAD Master Document will be ignored.