

# 12<sup>th</sup> Session Status Review and Session Orientation

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Web Conference

8 April 2021



# Adoption of the agenda

Agenda item	Documentation
1. Adoption of the agenda	13:00-13:10 FRAV-12-01
2. Fuzzy logic performance model	13:10-13:40 FRAV-12-06 (JRC)
3. Keys to ADS safety requirements 3.1. DDT functions 3.2. User definitions 3.3. Other road user categories	13:40-15:0 FRAV-12-08 (Secretary) FRAV-12-07 (China) FRAV-12-10 (Japan)
4. FRAV status and next steps 4.1. Parallel tasks 4.2. Coordinator guidelines 4.3. Next sessions: 6-7 May, 20 May, 8 June	15:00-15:30 (Co-chairs)

- Consolidation of comments on the safety topics
  - FRAV-12-08 {FRAV-09-06, FRAV-09-07, FRAV-09-08, FRAV-10-06, FRAV-10-07, FRAV-10-08, FRAV-10-10}
- Keys to ADS safety requirements
  - DDT functions
    - Safe performance of DDT functions → safe driving behaviors
    - What functions are necessary for an ADS to safely operate a vehicle?
  - ADS users
    - ADS designed for various uses
    - User definitions → understanding use cases, ADS configurations, and safety needs
  - Other road users
    - Diverse interactions depending upon nature of road users encountered
    - Categories of other road users → understanding of interactions and safety needs

- EDR/DSSAD informal group request
  - EDR/DSSAD mandate to define technical requirements for Data Storage Systems for Automated Driving (DSSAD)
  - FRAV presumably will require ADS vehicles to be equipped with DSSAD capability
  - EDR/DSSAD would like FRAV views on DSSAD requirements for ADS
- FRAV views or recommendations on DSSAD
  - What ADS needs would a DSSAD serve?
  - Scope, purpose of a “DSSAD regulation” that could be applied to ADS via an FRAV requirement

- Stakeholder input
  - FRAV-12-07 (China)
  - FRAV-12-10 (Japan)
- General discussion
  - DDT functions/user definitions/”other road user” categories
  - Safety topics elaboration

- Three generic milestones
  - Session 13 (6-7 May): Terms and definitions
  - Session 15 (8 June): Safety needs/topics (interim session 20 May)
  - Session 16 (6 July): General requirements
- Adapt and define tasks at each session
  - Stay focused on short-term objectives
  - Enable FRAV to consider incremental outcomes at each session
- Consensus on general requirements, justifications, terms and definitions by July
- Two months to prepare submission to GRVA-11 (27 September-1 October)
- Four months to prepare submission to GRVA-12 (February 2022)

- **Parallel tasks for Session 13** (6-7 May)
  - Prepare a list of DDT functions with description of each function
  - Prepare a list of terms and definitions regarding ADS users based on their roles and responsibilities
  - Prepare a categorical list of “other road users” that may encounter an ADS vehicle or an ADS may encounter with descriptions of each category
  - Prepare FRAV input for EDR/DSSAD on DSSAD for ADS vehicles
- **Task coordinators**
  - Use input to date as baseline for drafting proposals
  - Deliver written proposals for FRAV consideration during Session 13
  - Collaborate with FRAV stakeholders to facilitate consensus during the next session

# Outlook for next steps: Volunteers



- DDT functions task: Dan Smith (SAE)
- User definitions task: Rino Brouwer (NL RWS)
- Other road user categories task: Yu Yanhui (CATARC)
- FRAV input on DSSAD: Jim Bielenda (SAE)