13th Session Status Review and Session Orientation

Web Conference

6-7 May 2021

FRAV

Adoption of the agenda

Agenda item		Documentation
Day One (6 May)		
1. Adoption of the agenda	13:00-13:10	FRAV-13-01
2. FRAV status and session reports	13:10-13:20	FRAV-09-02 FRAV-10-02 FRAV-13-03 SAE J3016 (2021) SAE J3016 updates SAE J3216 (2021)
3. Terms and definitions: DDT functions	13:20-14:10	FRAV-13-06
4. Terms and definitions: ADS users	14:10-15:00	FRAV-13-09
Day Two (7 May)		
5. Terms and definitions: Other road user categories	13:00-13:50	FRAV-13-07
6. DSSAD: FRAV perspectives and recommendations	13:50-14:40	FRAV-13-08
7. FRAV status and next steps 7.1. Parallel tasks 7.2. Next sessions: 20 May, 8 June	14:40-15:00	

- FRAV-12-08 consolidated comments on the safety topics
- FRAV identified three workstreams proceeding in three steps
  - 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
- FRAV agreed to consider input for EDR/DSSAD
  - Prepare FRAV input for EDR/DSSAD regarding ADS vehicles

Session Objective

Sense of FRAV on the initial workstream results and next steps

Definition of DDT functions

- DDT → functions required to operate a vehicle in traffic

- ADS must be capable of performing the <u>entire</u> DDT

- What are the functions that would constitute the entire DDT?

- Open questions regarding "strategic, operational, and tactical"

- General aim to have a common understanding of the DDT and its components

- Describe the DDT in a manner suitable for defining verifiable requirements that an ADS drives safely
  - Verification that an ADS can perform the entire DDT
  - Verification that an ADS safely performs the DDT

- ADS are designed for various uses

- ADS vehicles may or may not be designed to carry occupants

- ADS designs may or may not include a human driver as a fallback

- ADS designs may involve various degrees of interactions with a user

- General aim to have a common understanding of "user" to support work on requirements for ensuring correct use and user safety

- Define "user" in a manner suitable for developing requirements to ensure safe interactions between the ADS and the user

  - Verification that an ADS meets user-related safety requirements

  - Enable determinations on user/HMI requirements applicable to an ADS

Definition of ORU categories

- ADS should interact safely with other road users (ORU)

- Diverse interactions depending upon nature of the ORU

- ORU interactions may vary depending upon the ODD

- ADS responses may vary depending upon vehicle configurations

- General aim to have a common understanding of the ORU an ADS vehicle may encounter

- Define ORU in a manner suitable for developing requirements to ensure safe interactions between the ADS and other road users
  - Verification that an ADS will respond safely to the presence and behaviors of other road users
  - Enable determinations on ORU-related requirements applicable to an ADS

FRAV input on EDR/DSSAD

- 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 for EDR/DSSAD
  - FRAV interests in data recording/storage for ADS vehicles
  - Impact of EDR/DSSAD work on FRAV development of ADS safety requirements
- Consider whether the task input covers FRAV interests and should be passed on to EDR/DSSAD

Outlook for next steps (thru September)

- Upcoming sessions
  - Session 14 (20 May): Endorse consensus views?
  - Session 15 (8 June): Safety needs/topics
  - Session 16 (6 July): General requirements
- 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)

Are we on task? Any course corrections?