

Submitted by the Co-Chairs of
the IWG on EDR/DSSAD

Informal document GRVA-19-21
19th GRVA, 25 June 2024
(For review during the
Troy meeting 20-24 May 2024)
Provisional agenda item 4(f)

Activities/Deliverables of IWG on EDR/DSSAD

May/June 2024

Mission of the EDR/DSSAD IWG

ToR of the IWG (ECE/TRANS/WP.29/1147 Annex VII)
(adopted in the 178th WP.29 in June 2019)

The IWG shall **develop draft proposals** for **Event Data Recorder (EDR) for conventional vehicles and automated/autonomous vehicles** and for **Data Storage System for Automated Driving (DSSAD) for automated/autonomous vehicles**. These categories shall be understood as systems collecting and storing a determined range of vehicle data, including:

- a. Information related to collisions valuable for accident reconstruction (EDR);
- b. The status of the automated/autonomous driving system and the status of the driver (DSSAD).

To this effect, the IWG shall address the following issues:

- a. Define the scope and specific objectives of and differences between EDR and DSSAD,
- b. Define EDR and DSSAD requirements.

In particular, the IWG will consider defining the categories of data recorded, the events triggering recording, as well as technical specifications in terms of performances of such systems, such as the required endurance, accessibility, storage capacity or the specific security requirements, as well as the required privacy and data protection by design features.

Overview of the IWG activities

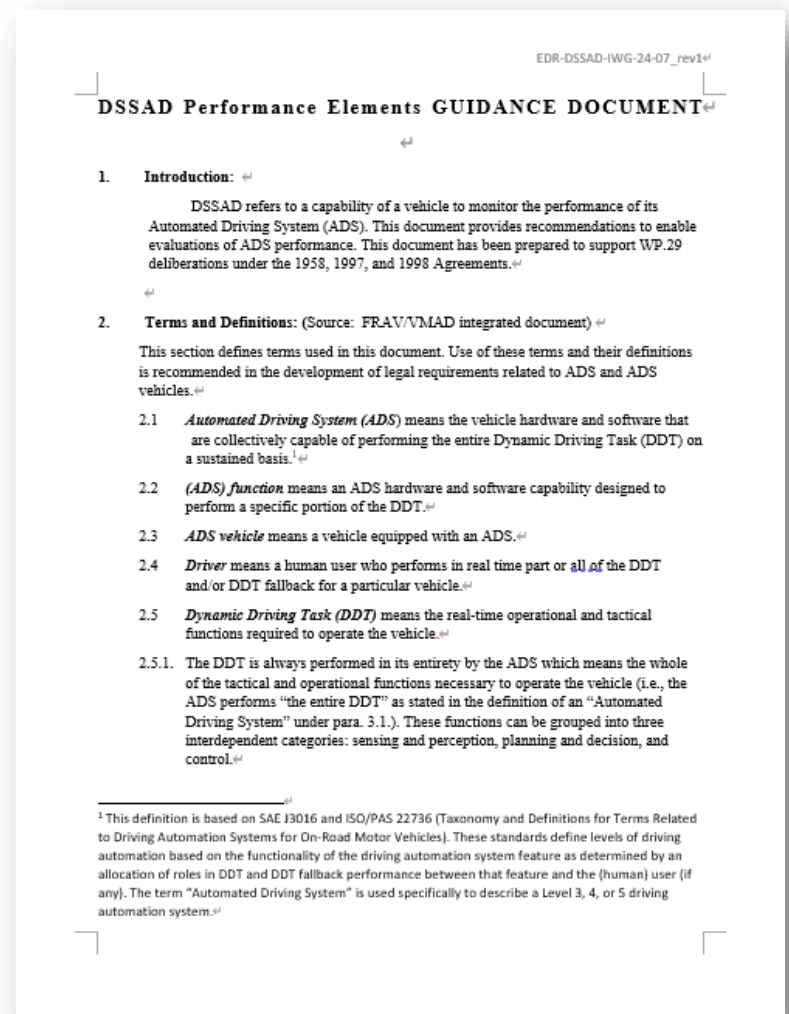
	Projects Completed	Current Work	Future Work
Comparison between EDR and DSSAD	Comparison between EDR and DSSAD (WP29-179-19, Nov. 2019)	<ul style="list-style-type: none"> DSSAD performance elements guidance document (June 2024 March 2025) 	
DSSAD	<p>DSSAD requirements (ALKS (UNR157)) (181st WP.29, June 2020) (189th WP.29, March 2023)</p> <p>Updating consolidated document of domestic activities on DSSAD (188th WP.29, Nov. 2022)</p> <p>Primary purposes of DSSAD, Prioritization of discussion topics</p>		
EDR	<p>EDR requirements (UNR 160 00/01 series) (183rd WP.29, Mar. 2021), and amendments (186th WP.29, Mar. 2022)</p> <p>Acceleration Data Accuracy Verification Procedures (125th GRSG, 2023/11&15 etc.)</p> <p>EDR for HDV (UNR 169, 191st WP.29, Nov.2023)</p>	<ul style="list-style-type: none"> EDR performance elements for ADS (Nov. 2024 March 2026) Supplement for 8-12t (Nov.2024 March 2025) 	<ul style="list-style-type: none"> EDR Step 2 (March 2025 2026) EDR Step3 (March 2027)

Activities of EDR/DSSAD IWG since GRVA #18

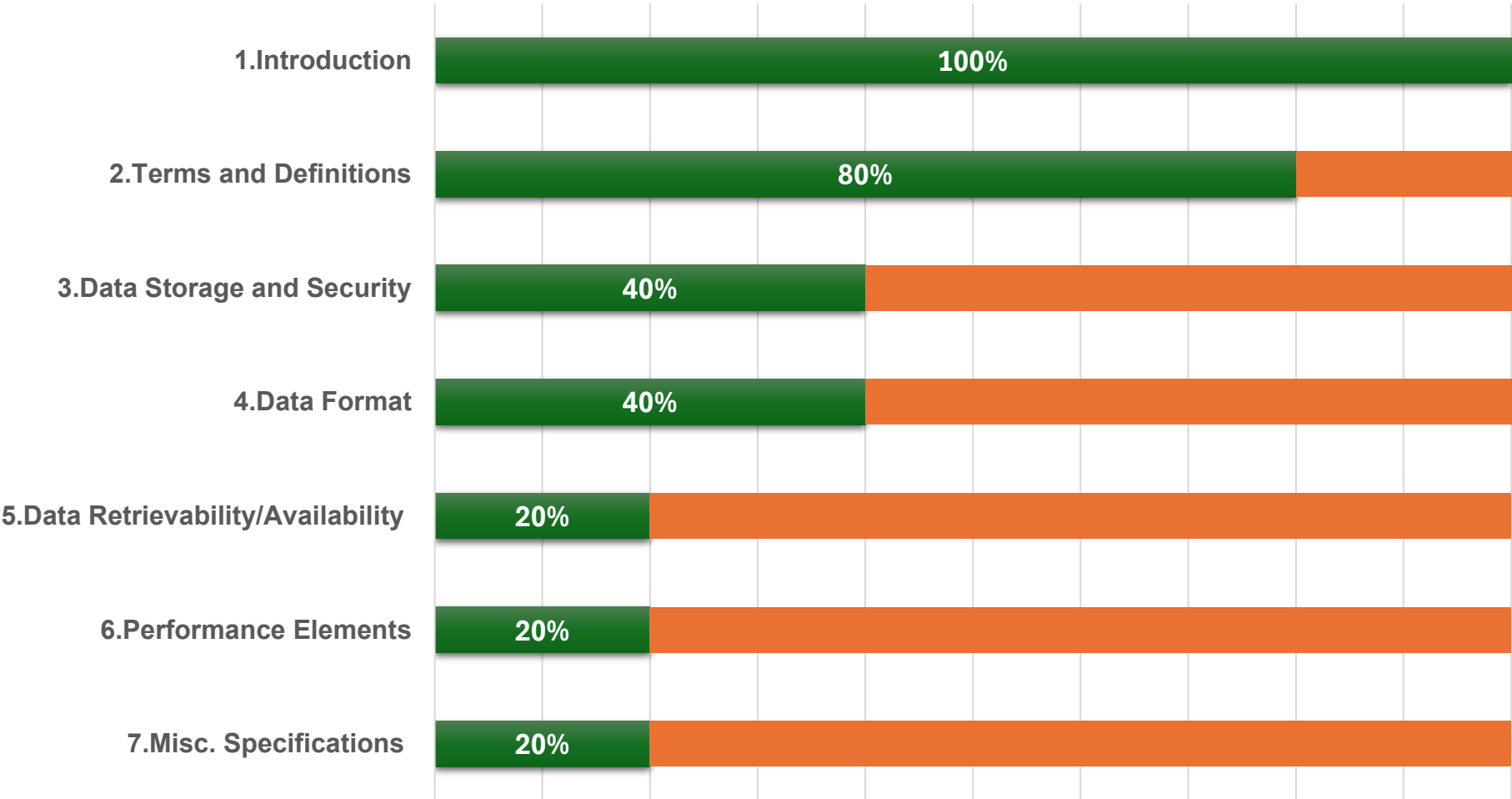
- SG-DSSAD #18 January 30
- SG-EDR #39 February 26
- SG-DSSAD #19 February 27
- EDR/DSSAD IWG #24 (hybrid in Tokyo, Japan) April 9-11

Summary of Recent Activities on DSSAD

- Group is focusing on discussion of DSSAD Performance Elements Guidance Document to submit to WP.29 March 2025.
- The guidance document consists of the following chapters:
 1. Introduction
 2. Terms and Definitions
 3. Data Storage and Security
 4. Data Format
 5. Data Retrievability/Availability
 6. Performance Elements
 7. Misc. Specifications



Progress Chart on DSSAD Guidance Document



Current Schedule for EDR/DSSAD IWG

- SG-DSSAD #20 May 28,29 (13:00-15:00CET)
- SG-EDR #40 May 29 (15:00-16:00CET)
- SG-EDR #41 June 18
- SG-DSSAD #21 June 19
- EDR/DSSAD IWG #25 (hybrid in Europe) Sep. 17-19

Thank you!