

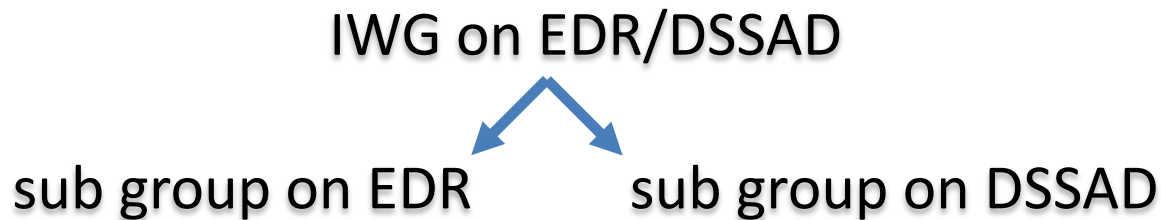
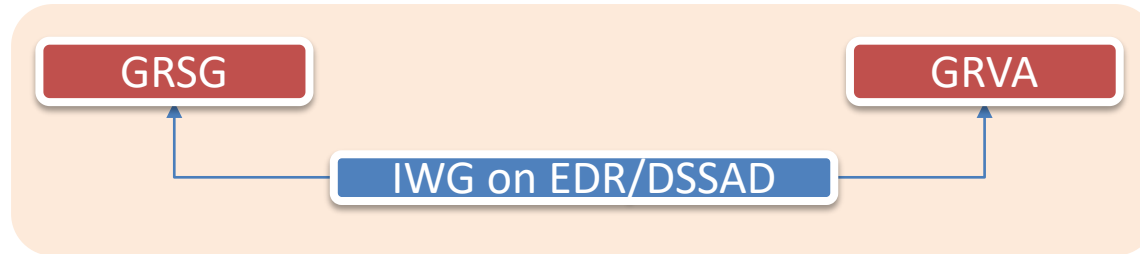
# **IWG on EDR/DSSAD**

## **Status Report**

**March 2022**

# Background IWG on EDR/DSSAD

In accordance with the 'Framework Document'  
adopted by WP.29-178, June 2019:



Participation by up to 60 people (representing contracting parties to the 1958 and 1998 Agreements, Industry and organizations on accident analysis, PTI, etc.)

# Activities since GRSG-122

October 2021 – March 2022:

- WP.29 186th session:
  - discussed the deliverables/timelines,
  - adopted the proposals for a Supplement 1 to UNR160.00/.01 (ECE/TRANS/WP.29/2022/25/Rev.1 resp. .../2022/26)
- IWG on EDR/DSSAD, 7 sessions, incl.:
  - Sub Groups on DSSAD,
  - Sub Groups on EDR:
    - workplan for EDR/DSSAD;
    - EDR for ADS (Automated Driving); ←
    - EDR for HDV (Trucks and Busses); ←
    - other issues.

# EDR for ADS

On ADS related issues the IWG on EDR/DSSAD collaborates with GRVA's IWGs VMAD and FRAV and takes part in:

- 'co-chairs coordination meeting',
- Technical Workshop on 'In-Service Safety Performance of Automated Vehicles' (organized by VMAD).

## Activities:

- EDR for ALKS (moved to GRVA, proposal on amending UNR157 potentially adopted by 187th WP.29 in June 2022),
- EDR for ADS broadly (moved to SG-DSSAD, first focus is on data collection for ADS in general).



# EDR for Heavy Duty Vehicles

The IWG develops a 'Common technical elements document for creation of a UN regulation on EDR for HDV (trucks and busses)'.

Activities:

- updated the 'Consolidated Review of Contracting Party EDR Activities & Way Forward' document,
- framing presentations,
- preliminary substantial discussions.

Next, dedicated discussions (every month) on:

- triggering methods, 
  - data elements and format,
  - test methods & survivability, 
- ... keeping in mind the goals/objectives for EDR.

# EDR for Heavy Duty Vehicles

Challenges:

Triggering methods, how to detect a crash event?:

- HDVs usually not equipped with airbags or SRS,
- usually very low delta-v (due to large weight disparity between HDV and LDV/VRU).

SAEJ2728 and framing presentations input under consideration.

Test methods, how to demonstrate the triggering of an event?:  
currently within UNECE no crash test procedures exist for HDV.

# IWG on EDR/DSSAD deliverables/timelines

GRSG Programme of Work (ECE/TRANS/WP.29/2022/1), on DSSAD:

**Table 5 Subjects under consideration by the Working Party on Automated / Autonomous and Connected Vehicles (GRVA)**

Title	Tasks / Deliverables	References	Allocations / IWGs	Timeline	Initiator	Comments
Data Storage System for Automated Driving vehicles (DSSAD)	<p><b>Inventory of best ADS storage practices.</b></p> <p><b><u>DSSAD performance elements for ADS</u></b></p>	<p>Framework document for automated/autonomous vehicles ECE/TRANS/WP.29/2019/34 as revised</p>	GRVA, IWG on EDR/DSSAD	<p><b>November 2022</b></p> <p><b><u>June 2024</u></b> (WP.29)</p>	WP.29	Ongoing
Event Data Recorder (EDR)	<b><u>EDR Performance Elements for ADS</u></b>	<p>Framework document for automated/autonomous vehicles ECE/TRANS/WP.29/2019/34 as revised</p>	GRSG in cooperation with GRVA, IWG on EDR/DSSAD	<b><u>June 2024</u></b> (WP.29)	WP.29	Ongoing

# IWG on EDR/DDSAD deliverables/timelines

GRSG Programme of Work (ECE/TRANS/WP.29/2022/1), on EDR:

**Table 6 Subjects under consideration by the Working Party on General Safety Provisions (GRSG)**

Title	Tasks / Deliverables	References	Timeline (GRSG adoption)	Timeline (WP.29 adoption)	Comments
Event Data Recorder	Complete EDR Common Performance Elements for 1958/1998 Contracting Parties	ECE/TRANS/WP.29/2019/34/Rev1.	Oct. 2022	March 2023	IWG reporting both to GRSG and GRVA
	Corrections/ amendments to existing EDR R160.00 and R160.01	ECE/TRANS/WP.29/2022/25/Rev.1 ECE/TRANS/WP.29/2022/26	Oct. 2021	March 2022	
Event Data Recorder	<b><u>EDR performance elements for ADS</u></b>		<b>Oct 2023</b>	<b><u>June 2024</u></b>	
Event Data Recorder	Common technical elements document for creation of a UN regulation on <b>EDR for heavy duty vehicles</b> (trucks and busses)		Oct. 2022	Mar 2023	
Event Data Recorder	<b>EDR Step#2</b> - consideration of additional technical provisions		Oct. 2023	Mar 2024	



**Thank you for your attention!**