



## SESSION 1:

Regulatory advances in  
highly automated driving



# IWG on EDRs/DSSAD

**Jane Doherty.** IWG Co-Chair  
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**UNECE**

# Introduction



- Leadership



Taro Tokai, Japan



Jane Doherty, USA



Tim Guiting, The Netherlands



Scott Schmidt, Secretariat, OICA

- IWG reports to GRVA and GRSG
- Two subgroups on data storage and EDRs

# Objectives



- IWG on Data Storage Systems and Event Data Recorders (DSSAD/EDRs) is dealing with:
  - *“the function that collects and records the necessary data related to the system status, occurrence of malfunctions, degradations or failures in a way that can be used to establish the cause of any crash and to identify the status of the automated/autonomous driving system and the status of the driver.”* — Framework Document: ECE/TRANS/WP.29/2019/34/Rev. 2
- It delivers clear objectives, identification of differences between the systems, and proposes way forward for both systems as the technologies and privacy rights continue to evolve.

# Outcomes so far



- Identification of differences between DSSAD and EDRs
- DSSAD requirements for lane keeping systems of SAE Levels 3-4 as new UN regulation for contracting parties to the 1958 Agreement.
- New UN Regulation on Event Data Recorder (ECE/TRANS/WP.29/2020/123/Rev.1) for conventional vehicles, as well as the 01 Series of Amendments (ECE/TRANS/WP29/2021/58) to it, to support EU's General Safety regulation requirements.
- Proposal for Guidance on Event Data Recorder (EDR) Performance Elements Appropriate for Adoption in 1958 and 1998 Agreement Resolution or Regulations (ECE/TRANS/WP.29/2020/100/Rev.1) and a.

# In the near future

## DSSAD:

- Compilation of best practices
- ADS applicable performance elements to be developed

## EDRs:

- Performance elements appropriate for ADS equipped vehicles
- Heavy duty vehicles (request to support 2026-2029 EU GSR mandates)
- Consideration of additional data requirements



# Thank you

**World Forum for Harmonization of Vehicle Regulations (WP.29)  
Working Party on Automated/Autonomous and Connected Vehicles (GRVA)**