

IWG on EDR/DSSAD Status Report

April 2021

IWG Activities – since GRSG-121

March 2021:

- IWG on EDR/DSSAD session
- WP.29 183rd session
- SG on EDR session

IWG Activities – since GRSG-121

WP.29 183rd session:

- adopted the proposals for a new UN Regulation on EDR and 01 Series of Amendments to it.

UN Reg. [160] on EDR may enter into force 30 Sept. 2021

- Extended the mandate for the IWG until December 2022.
- Did not provide guidance on the ‘EDR Common Technical Requirements document’ ECE/TRANS/WP.29/2020/100.
- Supported the proposed workplan and
 - directed the IWG to make progress on DSSAD a priority for the upcoming year, and
 - underlined the interlinkage of the activities of the IWG on EDR/DSSAD with VMAD and FRAV.

Proposed workplan – WP.29-183-12

- EDR performance elements appropriate for ADS equipped vehicles (coordinated with FRAV/VMAD);
- EDR for heavy duty vehicles (trucks and busses);
- EDR Step#2 - consideration of amendments to Step #1 requirements with respect to additional data elements, durability considerations including potential fire resistance, potential test procedures and consideration of new triggering criteria (e.g. “jerk”).
- DSSAD: review and compilation of best practices already underway in data storage systems;
- DSSAD: in coordination with FRAV/VMAD, the IWG will develop DSSAD performance elements that are broadly applicable to automated driving systems (broader than limited ADS application in ALKS regulation).

Next activities

The SG on EDR will:

- further correct/amend the common element and 01 series UN Regulation documents (e.g. address definitions and resolve remaining technical issues identified);
- in parallel identify ADS data elements (coordination with FRAV/VMAD);
- then initiate work on the substantive EDR Step 2 topics;
- heavy duty vehicle EDR: kick-off session Q3/21 with expert presentations on potential standards, best practices and technical challenges.

Final proposal to WP.29 March 2024?

Next sessions:

SG on DSSAD 26 April and SG on EDR 11 May.

Any guidance by GRSG is appreciated!

Thank you.