

## **EDR/DSSAD IWG Revisions to GSRG-120-01, 02, and 03**

The revisions detailed below reflect the consensus of the EDR/DSSAD IWG following the original submission of the GRSG-120-01, 02, and 03 documents to GRSG.

### **Document - GRSG-120-01 (IWG on EDR/DSSAD) Guidance on Event Data Recorder (EDR) Performance Elements Appropriate for Adoption in 1958 and 1998 Agreement Resolutions or Regulations**

#### **Section 2. Definitions**

2.47 “Vehicle roll angle” – removed brackets

Added the following definitions:

2.xx “Vehicle roll rate” means the change in angle over time of the vehicle about its X-axis as determined by the sensing system.

2.xx “Vehicle yaw rate” means the change in angle over time of the vehicle about its Z-axis as determined by the sensing system.

#### **Section 3.3.4.2**

Removed brackets around “that is not locked per 3.3.2” at end of paragraph.

#### **Annex 1. Data elements and format**

Data Element – “Normal acceleration”

Removed brackets from data element

Revised recording interval/time from 0 to 250 ms to -1.0 up to 5.0 sec<sup>9</sup>

<sup>9</sup>May be recorded in any time duration; -1.0 to 5.0 sec is suggested

Revised data sample rate from 100 to 10

Data Element – “Vehicle roll angle”

Removed brackets from data element and format

Data Element – “Vehicle roll rate”

Removed brackets from data element

Moved data element to table 2.

Data Element – Lateral acceleration (pre-crash)

Removed brackets from data element and format

Last column of table #1 and #2 – “Event(s) recorded for”

Removed brackets from “Planar” for all relevant data elements

Removed brackets from “Rollover” for all relevant data elements

Removed brackets from “VRU” for the following Table #2 data elements:

“Longitudinal acceleration (pre-crash)”

“AEBS Status”

“Cruise control system”

“Adaptive cruise control status”

Delete “VRU” for the following data elements:

“Delta V” and associated “Delta V elements

“Safety belt status”

“ TPMS status”

## **Document - GRSG-120-02 (IWG on EDR/DSSAD) Proposal for a new UN Regulation on Event Data Recorder**

**Section 1.1** Remove mistaken inclusion of references to 98 Agreement vehicle categories.

- 1.1. This Regulation **applies to the approval of vehicles of categories** ~~applies to all passenger cars and light duty vehicles (i.e., 1958 agreement M1 and N1<sup>3</sup> vehicle categories and Category 1-1 and Category 2-vehicles~~ **with regard to their Event Data Recorder (EDR).**

<sup>3</sup> As defined in Section 2 of the Consolidated Resolution on the Construction of Vehicles (R.E.3) (document ECE/TRANS/WP.29/78/Rev.6) – [www.unece.org/trans/main/wp29/wp29wgs/wp29gen/wp29resolutions.html](http://www.unece.org/trans/main/wp29/wp29wgs/wp29gen/wp29resolutions.html).

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## **Annex 4. Data elements and format**

Data Element – “Normal acceleration”

Revised recording interval/time from 0 to 250 ms to -1.0 up to 5.0 sec<sup>x</sup>

<sup>x</sup> May be recorded in any time duration; -1.0 to 5.0 sec is suggested

Revised data sample rate from 100 to 10

Data Element – “Vehicle roll angle”

Removed brackets from data element and format

Data Element – “Vehicle roll rate”

Deleted from 00 series reg due to lead time requirements (in 01 series reg).

Last column of table #1 – “Event(s) recorded for”

Removed brackets from “Planar” for all relevant data elements

Removed brackets from “Rollover” for all relevant data elements

Delete “VRU” for the following data elements:

“Delta V” and associated “Delta V elements

“Safety belt status”

#### **Document - GRSG-120-03 (EDR/DSSAD) Proposal for a new 01 series of amendments to a new UN Regulation on Event Data Recorder**

**Section 1.1** Remove mistaken inclusion of references to 98 Agreement vehicle categories.

- 1.1. This Regulation **applies to the approval of vehicles of categories** ~~applies to all passenger cars and light duty vehicles (i.e., 1958 agreement M1 and N1<sup>3</sup> vehicle categories and Category 1-1 and Category 2 vehicles~~ **with regard to their Event Data Recorder (EDR).**

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Revised data sample rate from 100 to 10

Data Element – “Vehicle roll angle”

Removed brackets from data element and format

Data Element – “Vehicle roll rate”

Removed brackets from data element

Data Element – “Lateral acceleration (pre-crash)”

Removed brackets from data element and format

Last column of table #1 and #2 – “Event(s) recorded for”

Removed brackets from “Planar” for all relevant data elements

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Removed brackets from “VRU” for the following data elements:

“Longitudinal acceleration (pre-crash)”

“AEBS Status”

“Cruise control system”

“Adaptive cruise control status”

Delete “VRU” for the following data elements:

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“Safety belt status”

“ TPMS status”