**DRAFT AGENDA**

**SG-EDR-32**

**Conference Call Meeting Minutes**

(Secretary Notes in Red)

December 1, 2022

**Time:** Start: CET 13:00, EST 7:00, JST 21:00

 End: CET 15:00, EST 9:00, JST 23:00

**Venue:** GoToMeeting Conference Call ONLY

**Contact:** Mr. Scott Schmidt (Cell: +1 202 841 2139)

**Email:** sschmidt@autosinnovate.org

**Chairpersons**:  **The Netherlands: Mr. Tim Guiting**

 **Japan: Mr. Hidenori Nonaka**

 **USA: Mrs. Jane Doherty**

**Secretariat**: OICA Mr. Scott Schmidt

 Mr. Mike Hernandez as Acting Secretariat

1. **General:**
	1. **Welcome and Introduction**

Tim (Chair) opened the meeting and provided introductions.

Tim (Chair) clarified the schedule and explained that at the WP.29 meeting in November, it was provisionally decided that the IWG’s deliverable on EDR for HDV shall be ready for adoption by WP.29 in November 2023. Therefore, the document shall be endorsed by GRSG in March and the group needs to submit an official document on EDR for HDV to GRSG before 2 January. The results of these discussions will be included in the official document, including square brackets. On 19 December the IWG will consider the document and shall forward the results to GRSG. From January till March the IWG will work further on EDR for HDV and prepare an informal document to correct and supplement the official document from 19 January.

* 1. **Anti-trust rules**

Mike (Act. Sect.) provided the antitrust reminder.

* 1. **Approval of the reports of the previous sessions**

Document: SG-EDR-30-01-Agenda 30th SG-EDR conference call meeting Secretary Notes

Approved.

* 1. **Approval of the agenda**

Document: SG-EDR-32-01-Agenda 32nd SG-EDR conference call meeting

Approved.

1. **Acceleration data accuracy specifications**

Document: SG-EDR-32-03 – Acceleration data accuracy proposal

Review of draft acceleration data accuracy specification proposed reg text.

Ziya (OICA): Regarding 6.1.4, can we know what is the rationale behind choosing 150 Hertz BW filter?

Doug (SAE): 150Hz was pulled from SAE J1698-3, the EDR Recommended Practice, which is comparable to current filters.

Ziya (OICA): We should be more flexible in order to capture peak values. It seems limiting to have only one filter option.

Ziya (OICA): Regarding 6.1.5, suggested adding “filtered” before “acceleration trace”. Agreed.

Ziya (OICA): “Centered about” is not a mathematical method. Description is needed how to accomplish it.

Doug (SAE) provided an explanation of how the measured value is centered with a +/- 10% corridor placed around the measured value. A figure was provided as explanation.

Zhang (China) sought confirmation that 2,000g was necessary in 6.1.1.

Doug (SAE) noted that this figure was pulled from the China EDR regulation.

Zhang (China) requested deletion of 6.1.4 as a filter was not needed since no noise was detected in testing.

Doug (SAE) recommended keeping the filter requirements as it is good practice and noise may be generated by the test equipment itself.

Jason (OICA) suggested including “at least” before the 2,000g requirement in 6.1.1.

Sean (Tesla) asked about the rational for choosing 5 points in 6.1.4.

Doug (SAE) noted that this was pulled from the China EDR requirements.

Sean (Tesla) asked about the orientation of sensors in the same direction in 6.1.2.

Doug (SAE) noted that if deployment cannot be achieved without the sensors aligned, then they need to be reoriented.

Two typographical errors were noted: In 6.1.5 “full-scall” should be “full scale”, and in 6.1.7 “withing” should be “within”.

A suggestion was made to align 6.1.5 with 6.1.7 by stating in 6.1.5 that the trace was “fully” contained.

Lisa F. suggested having a separate technical discussion on 6.1.4. Scott (OICA) agreed to circulate a Doodle poll and set up a subsequent meeting.

1. **Discussion regarding potential EDR specifications for heavy duty vehicles**
	1. **Scope**

Documents: OICA Proposal (if available)

Tim (Chair) noted that the scope of the document may be considered for further revision at the 19 December meeting if the new draft text from OICA is available.

* 1. **Event triggers**
		1. **China research**

Documents: Updated China Research presentation (if available)

* + 1. **Acceleration, last stop, and safety system triggers and corresponding specifications**

Documents: SG-EDR-32-02 EDR for Heavy Duty data element-event trigger worksheet

 SG-EDR-30-04 Updated OICA HD Regulation Proposal

 SG-EDR-30-05 OICA HVEDR\_LastStopEvent\_Diagram

Matt (TRL/EC) shared slides provided by FKA. There is an ongoing study looking at GIDAS data with naturalistic driving data to assess both true and false positives.

Regarding SG-EDR-32-02, Sara (US) noted that the US does not support a last stop trigger. Jane (Chair) noted that both US and EU both have reservations and do not see how it can be included. Tim (Chair) suggested incorporating with brackets into the informal document to be sent to GRSG with a double caveat that stipulates the discretion of the manufacturer and that requirements are subject to national law. Jane (Chair) noted that with the double caveat, the US could accept this proposal. Asif (UK) questioned whether the group can make changes to the document submitted to GRSG with an informal document in Q1 2023, which was confirmed.

Regarding Safety System Triggers, Matt (TRL/EC) noted that brackets are to be put around “ABS System” and “Adaptive cruise control”, however, “automated braking” should be separated out from ACC and not bracketed.

Regarding Data Elements, Tim (Chair) asked the group to review the table again and work to remove the brackets.

Matt (TRL/EC) noted that a footnote should be included that no individual serial numbers should be included. Matt with send Tim a proposal for inclusion.

* + 1. **Triggered event scenario matrix**

Documents: SG-EDR-32-04 Triggered Event Scenario Matrix (updated with CP input)

1. **List of action items and schedule of future conference call meetings**

Next meetings:

SG-EDR-31 Data Elements November 7, 2022, 7am (2 hrs)

SG-EDR-32 December 1, 2022, 7am (2 hrs)

SG-DSSAD-12 & EDR/DSSAD IWG #18 December 19, 2022, 7am (3 hrs)

SG-EDR-33 Triggers & Data Elements  January 11, 2022, 7am (3 hrs)

SG-DSSAD-13 January 31, 2022, 7am (2 hrs)

EDR/DSSAD IWG #19 (in-person/hybrid) Week Feb 14-16, 2022, (2 ½ days), Paris (OICA)

SG-EDR-34 & EDR/DSSAD IWG #20 February 28, 2022, 7am (3 hrs)

SG-EDR-35 & EDR/DSSAD IWG #21 March 23, 2022, 7am (3 hrs)

SG-EDR-36 April 18, 2022, 7am (2 hrs)

SG-DSSAD-14  April 20, 2022, 7am  (2hrs)

1. **Adjourn**

Meeting adjourned at 08:55 EST

Attendees Recorded from Zoom:

Sara Bennett (NHTSA/US)

James Bielenda

Eunhye CHO (KATRI)

Ziya Metin Coskun (OICA)

Amy Cronin

Jane Doherty (NHTSA/US)

Pete Edwards (UK)

Lisa Fodale

Olivier Fontaine (OICA)

Andreas Forster (CLEPA)

Tian Fugang (CATARC/CHINA)

Zhang Guangxiu (China)

Tim Guiting (Netherlands)

Sean Haight (Tesla)

Mike Hernandez (Auto Innovators)

Asif Huk (UK)

Marc Van Impe (Tesla)

M Iyoda (JAMA)

Jason (OICA/Volvo)

Heejin KANG (KATRI)

Kenji Kodaka (OICA)

KONDO Haruhiko

Yoonyung Jeong (Korea/OICA)

Heejin KANG (KATRI)

Michael Kneissle (OICA)

Drew Kresmery (Stellantis)

Gil Lidji

Jongsoon LIM (Korea)

Hiroyuki Mae

Kirankumar Mangond (Bosch)

Matsumoto (JAMA)

Joachim Mueller (Ford/OICA)

C. Munch

Walter Niewöhner (CITA)

Nonaka (JASIC/Japan)

Doug Nunan (SAE)

Giok Park (KATRI)

Jimin PARK (KATRI)

Rozanlu

Scott Schmidt (OICA/Auto Innovators)

Matt Seidl (TRL/EC)

Francesco Siano

Alessia SILANO (Stellantis)

Lisa Stacey (GM)

John Steiner

Kenichi Takekoshi

Kazuharu TAKEUCHI (Japan/MLIT)

Tetsuya UEMURA (JASIC/Japan)

Ma Wenkai (China)

Michael Weyde

Marcus Wisch (BASt/Germany)

Naeun Woo(KATRI)

Xiaomi 22081212C

Shinya YAMAMURA (Japan/MLIT)

Minghui Yan (DFCV)

Chang Yanning (CHINA)

Yingdong ZHENG (CATARC)

Adrian Zlocki (FKA/Germany)

기계제어공학부- 우나은