65th GRB

EU Regulation on AVAS requirements

Presentation by the European Commission expert
State of play

- New draft incorporating comments (accomplished) | 12 Jan 2017
- MS supportive | 31 Jan 2017
- ISC (with review) | 13 Feb – end Mar 2017
- Presentation of final draft in MSEG | 6 Apr 2017
- Better Regulation Portal (accomplished) | end Apr 2017 (latest)
- Adoption | June 2017
Detailing requirements of Acoustic Vehicle Alerting System (AVAS)

- Commission empowered to detail by 1/7/2017 AVAS requirements that are already in Annex VIII to Reg. (EU) No 540/2014

- Commission Delegated Regulation taking into account the UNECE relevant work

- Result of current UNECE work:
  - UNECE Regulation No 138 on QRTV adopted in the 168\textsuperscript{th} WP29 (March 2016)
  - UNECE R138 amendment 01 for AVAS pause switch – common proposal by Japan and OICA adopted by the 64\textsuperscript{th} GRB (5-7 Sept 2016) for optional pause switch
Regulation on AVAS requirements:


Legal obligations:

- to detail the requirements in Annex VIII by completing them
- to have the AVAS on all new EV and HEV types by 1/7/2019 and all new EV and HEV by 1/7/2021

Articles

1) Amendment of Annexes I and VIII to Reg. 540/2014

2) Entry into force
Regulation on AVAS requirements

Requirements

- Based on the technical requirements drafting in Annex VIII, Reg. 540/2014
- Completing the *technical* requirements of Annex VIII, Reg. 540/2014 by *referring* to requirements of UN R138
- *Accepting* the necessary *admin* requirements from UN R138 alternatively to corresponding admin requirements of the EU legislation (Annex I, Reg. 540/2014)
Regulation on AVAS requirements

A) Technical requirements

1) Reference to EU OJ number L9/13.1.2017 (UNECE R138, base version)

2) Accepting the definition of "Pause function" as in UN R138, 01 amendment

3) The AVAS sound generation requirement in forward motion and reverse as in Reg. 540/2014 or
the overall sound emission of the vehicle without AVAS in accordance to UNECE R138

4) Requirements on testing and min vehicle sound level when no AVAS in reverse, due to vehicle warning alarm
Regulation on AVAS requirements

5) Pause switch

- Called pause function

- Optional

- To comply with the requirements in UN R138 (common position of Japan and OICA as adopted at the 64th GRB)
Regulation on AVAS requirements

B) Administrative requirements accepted from the UN R138

UN R138 type-approval certificate (communication) accepted and attached to the vehicle EU type-approval certificate with respect to sound emission

(Model of Communication for UN type-approval introduced)

or the EU test results attached as in Reg. 540/2014

information document and the type-approval certificate of the vehicle, as laid down in Reg. 540/2014 and Dir. 2007/46, suitably modified
Regulation on AVAS requirements

Draft proposal documents under

https://circabc.europa.eu/w/browse/79af0476-e923-44de-9ca2-7961ab15beca

(URL link to the 24/1/2017 MS Experts Group)
Thank you for your attention

DG GROW – Unit C4

Further information: