



Member States Expert Group – MSEG 16 November 2016

Regulation on AVAS requirements

State of play

- **New draft incorporating comments (accomplished)** **November 2016**
- **ISC (to launch)** **end 2016-start 2017**
- **Discussion of new draft in next MSEG or**
comments in writing ddl **February 2017**
- **Better Regulation Portal (accomplished)** **February 2017**
- **Adoption** **Q2 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 168th WP29 (March 2016)**
 - **UNECE R138 amendment 01 for AVAS pause switch – common proposal by Japan and OICA adopted by the 64th GRB (5-7 Sept 2016) for optional pause switch**

UNECE Regulation No 138

Uniform provisions concerning the approval of Quiet Road Transport Vehicles with regard to their reduced audibility

- **Scope** : approval requirements with respect to audibility of electrified M and N vehicles driven, in at least one forward drive gear or in reverse, without an ICE operating
 - ***AVAS requirements included*** – only acoustic devices addressed to

Regulation on AVAS requirements:

Commission Delegated Regulation amending Regulation (EU) No 540/2014 of the European Parliament and of the Council as regards the Acoustic Vehicle Alerting System requirements for vehicle EU type-approval

➤ ***Legal obligations:***

- ***to detail the requirements in Annex VIII by completing them only***
- ***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 Annex VIII to Reg. 540/2014
- 2) Entry into force

Regulation on AVAS requirements

- **Annex**

with technical and administrative 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
- *Copying* the necessary *admin* requirements from UN R138

+ From UNECE Regulation No 138

Regulation on AVAS requirements

- **Annex (cont'd)**

A) New technical requirements

- 1) Reference to EU OJ number (tbd) for UNECE R138 publication
 - 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: DE, FR request for not installing AVAS if compliant with this overall sound emission condition
- ✚ requirements on testing, min vehicle sound level and frequency shift when no AVAS in reverse, due to vehicle warning alarm

Regulation on AVAS requirements

- **Annex (cont'd)**
- 3) Pause switch
 - + Called pause function
 - + Optional
 - + Complying with the requirements in UN R138 (common position of Japan and OICA as adopted at the 64th GRB)

Regulation on AVAS requirements

- **Annex (cont'd)**

B) Administrative requirements copied from the UN R138 – AT request update – new draft to be uploaded after legal check

+ 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

+ Marking on vehicle : full marking for vehicle UN type-approval or UN R138 number for EU type-approval, without UN type-approval marking (to avoid confusion of E-marks) - UN marking model introduced



Thank you for your attention

DG GROW – Unit C4

Further information:

http://ec.europa.eu/growth/sectors/automotive/index_en.htm




facebook.com/EU.Growth
facebook.com/MrSmeForEurope



@EU_Growth

Follow us on:

 youtube.com/c/EUGrowth

Web sites:

ec.europa.eu/growth

ec.europa.eu/bienkowska

*Internal market,
Industry,
Entrepreneurship
and SMEs*