



Informal document **GRSG-113-41**
(113th GRSG, 10-13 October 2017,
agenda item 9.)

UNR116 splitting



Background

- WP29-169 adopted Revision3 of the 58A
- This permits the application of IWVTA
- Principles of mutual recognition lead to the need to split regulations having multiple optional items
- R116 has requirements for
 - Antitheft systems
 - Immobilizers
 - Alarm systems



GRSG-110 decision

- Decision of GRSG-110 to split UNR116 in three separate regulations:

Report of GRSG-110 (April 2016):

51. Following the discussion, GRSG agreed to follow the idea of **having in future three separate UN Regulations** on (i) anti-theft devices, (ii) alarm systems and (iii) immobilizers. GRSG agreed to resume consideration of this subject at its next session in October 2016 on the basis of concrete proposals and requested the secretariat to keep GRSG-110-24 on the agenda as a reference document.



Three documents

- Document GRSG/2017/23
 - UNR116 applicable to anti-theft systems
 - Provisions for immobilizers and alarm systems extracted
- Document GRSG/2017/24
 - New draft regulation on immobilizers
- Document GRSG/2017/25
 - New draft regulation on alarm systems



Space for improvement

- Submitted to GRSG-113 for comments
- Some sections and provisions need further improvements
- Example per para. 8 (immobilizers)

Text of current UN R116:

8.4. OPERATION PARAMETERS AND TEST CONDITIONS

8.4.1. Operation parameters

All components of the immobilizer shall comply with prescriptions given in paragraph 6.4. of this Regulation.

Para. 6 applies to alarm systems



Possible solutions

➤ Possible solutions:

- Cross references between the regulations?
- Copy the relevant provisions in each regulation?
 - What are the “relevant” provisions?

6.4.2.1.1. Compliance of the VAS with the following specifications shall be checked:
Alarm duration according to paragraphs 6.3.2.2. and 6.3.3.2;
Frequency and on/off ratio according to paragraphs 6.3.3.3. and 6.3.2.3.1. or 6.3.2.3.2. respectively;
Number of alarm cycles according to paragraph 6.3.1.1., if applicable;
Alarm system setting lock check according to paragraph 6.3.5.

How to apply these provisions to immobilizers?



Recommendation

➤ Conclusion

- Need for further work
- 114 (!) items were already identified

Category	The splitting of UN Regulation No. 116	Original UN-R116	JAMA Comment
IMMOBILIZER	(i) Immobilizers primarily dedicated to vehicles of category M ₁ and vehicles of category N ₁ with a maximum mass of not more than 2 tonnes, and (ii) vehicles of category M ₁ and vehicles of category N ₁ with a maximum mass of not more than 2 tonnes with regard to immobilizers [1][2]		Why was paragraph 1.1 in existent UN R116 splitted to (i) & (ii) in the new immobi regulation?
IMMOBILIZER	It shall be accompanied by an information document in accordance with the model shown in Annex 1, and giving a description of the technical characteristics of the immobilizer and the method(s) of installation for each make and type of vehicle on which the immobilizer is intended to be installed.	information document established in	An omission?
IMMOBILIZER	In the case of a component approved separately as an immobilizer, the approval mark shall be affixed by the manufacturer to the major element(s) of the device. In the case of a component approved as an immobilizer under this regulation and an alarm system under UN Regulation No. XXX both approval marks shall be affixed by the manufacturer to the major element(s) of the device.		According to the new regulation draft, if both immobilizer and VAS are fitted, both approval marks are needed. Is it impossible to uniting two approval markings as well as existent regulation?
IMMOBILIZER	A model of the certificate of conformity is given in Annex 6 to this Regulation.		We think ANNEX4(FMODEL OF CERTIFICATE OF CONFORMITY) _J should be referred. Not ANNEX6; FMODEL OF CERTIFICATE OF CONFORMITY _J
IMMOBILIZER	It shall not be possible for an immobilizer to enter the set state when the ignition key is in the engine running mode:		To be the same contents as existent regulation, it is necessary to add "except when" at the last of the sentence.
IMMOBILIZER	The vehicle is equipped on intended to be equipped for ambulance, fire brigade or police purposes; or	or	We think "or" is correct.
IMMOBILIZER	To provide information on the status of the immobilizer (set/unset, change of set to unset and vice versa), optical displays inside and outside the passenger compartment are allowed. Any optical signal or any use of lighting and light-signalling devices outside the passenger compartment shall fulfil the requirements of Regulation No. 48.	optical displays inside and optical signals outside	We think this is Corrigendum same as paragraph 11.9.1.

- Documents GRSG/2017/23 – 24 – 25 not mature for adoption at GRSG-113
- TASK-FORCE will present revisions at the next session.



Thank you !