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World Forum for Harmonization of Vehicle Regulations (WP.29)

Working Party on General Safety Provisions (GRSG)

**REPORT OF THE WORKING PARTY ON GENERAL SAFETY PROVISIONS (GRSG)
ON ITS EIGHTY-EIGHTH SESSION**

(18 to 22 April 2005)

1. GRSG held its eighty-eighth session from 18 April (afternoon) 2005 to 22 April 2005, under the chairmanship of Mr. A. Erario (Italy). Experts from the following countries participated in the work, following Rule 1(a) of the Rules of Procedure of WP.29 (TRANS/WP.29/690): Belgium; Canada; Czech Republic; Finland; France; Germany; Hungary; Italy; Japan; Luxembourg; Netherlands; Norway; Poland; Republic of Korea; Russian Federation; Spain; Sweden; United Kingdom; United States of America. A representative of the European Commission (EC) participated. Experts from the following non-governmental organizations took part in the session: International Organization for Standardization (ISO); International Organization of Motor Vehicle Manufacturers (OICA); European Association of Automobile Suppliers (CLEPA); International Motorcycle Manufacturers Association (IMMA); Comité de Liaison des Constructeurs de Carrosseries et Remorques (CLCCR) and the International Road Transport Union (IRU).
2. The informal documents distributed during the session are listed in Annex 1 to this report.

REGULATION No. 36 (Large capacity passenger vehicles)

3. Pro memoria: At its eighty-fifth session, GRSG adopted TRANS/WP.29/GRSG/2003/23 as amended by informal document No. 19 and reproduced in Annex 4 to the report (TRANS/WP.29/GRSG/64). The proposal will be transmitted to WP.29 and AC.1 for consideration only after the adoption of the 02 series of amendments to Regulation No. 107.

REGULATION No. 52 (Small capacity passenger vehicles, M₂ and M₃ categories)

4. Pro memoria: At its eighty-fifth session, GRSG adopted TRANS/WP.29/GRSG/2003/24 as amended by informal document No. 19 and reproduced in Annex 4 to the report (TRANS/WP.29/GRSG/64). The proposal will be transmitted to WP.29 and AC.1 for consideration only after the adoption of the 02 series of amendments to Regulation No. 107.

REGULATION No. 66 (Strength of superstructure)

Documentation: Informal documents Nos. GRSG-86-4, GRSG-87-16 and GRSG-88-9 of Annex 1 to the report of the previous sessions and to this report.

5. GRSG had an exchange of views on the necessity to extend the scope of the Regulation to other vehicle categories, taking into consideration the deliberation upon the subject in WP.29 (TRANS/WP.29/1039, para. 65 and Annex 3), as well as informal documents Nos. GRSG-87-16 and GRSG-88-9.

6. Almost all the experts who took the floor pronounced in favour of the extension. The expert from the United Kingdom would have preferred to start this work with a broader approach to the safety of buses. The expert from the European Commission reminded GRSG about the Enhanced Coach and Bus Occupants Safety report (informal document No. GRSG-86-4) already covering this subject.

7. In conclusion, GRSG agreed to propose to WP.29 to mandate an informal group, with precise terms of reference, to deal with the subject. The expert from Spain was requested to organize the elaboration of a proposal for the terms of reference by the interested experts.

REGULATION No. 107 (M₂ and M₃ vehicles)

Documentation: TRANS/WP.29/GRSG/2003/21; TRANS/WP.29/GRSG/2004/14; TRANS/WP.29/GRSG/2004/21; TRANS/WP.29/GRSG/2004/22; TRANS/WP.29/GRSG/2005/2; TRANS/WP.29/GRSG/2005/3; TRANS/WP.29/GRSG/2005/7; TRANS/WP.29/GRSG/2005/8; TRANS/WP.29/GRSG/2005/10; informal documents Nos. GRSG-87-26, GRSG-87-33, GRSG-88-2, GRSG-88-6, GRSG-88-7, GRSG-88-11, GRSG-88-12, GRSG-88-13, GRSG-88-14, GRSG-88-16, GRSG-88-18, GRSG-88-21 and GRSG-88-26 of Annex 1 to the report of the previous session and to this report.

Additional proposals for the 02 series of amendments

8. GRSG considered the following proposals (in addition to those already adopted in TRANS/WP.29/GRSG/2003/21 and informal document No. GRSG-87-26) for the 02 series of amendments.

Informal document No. GRSG-88-6

9. GRSG had an exchange of views on the proposal for prescriptions on trolleybuses. At the request of several experts, it will be distributed by the secretariat with an official symbol for further consideration at the next session.

Informal document No. GRSG-88-26

10. The following proposal was adopted for transitional provisions:

Paragraphs 10.3. and 10.4. (of document TRANS/WP.29/GRSG/2003/21), amend to read:

"10.3. As from 12 August 2007, Contracting Parties applying this Regulation shall grant approvals only if the vehicle type to be approved meets the requirements of this Regulation as amended by the 02 series of amendments.

10.4. As from 12 August 2010, Contracting Parties applying this Regulation may refuse first national registration (first entry into service) of a vehicle which does not meet the requirements of the 02 series of amendments to this Regulation."

11. The secretariat was requested to prepare a consolidated document to be considered at the next session, including all the proposals for the 02 series of amendment.

Proposals for further amendments (Supplement 1 to the 02 series of amendments)

TRANS/WP.29/GRSG/2004/21

12. Superseded by document TRANS/WP.29/GRSG/2005/8.

TRANS/WP.29/GRSG/2004/22

13. Did not reach agreement.

TRANS/WP.29/GRSG/2005/3

14. Superseded by document TRANS/WP.29/GRSG/2005/8 and informal document No. GRSG-88-7.

TRANS/WP.29/GRSG/2005/7

15. This proposal to include registration data into the Regulation did not reach, at its first consideration, the support of GRSG. It is retained for the agenda of the next session.

TRANS/WP.29/GRSG/2005/8

16. The proposal was adopted with the amendments (informal documents Nos. GRSG-88-7 and GRSG-88-16) reproduced in Annex 2 to this report. Annex 8, paragraph 3.1. was left pending. For Annex 4, Figure 20, the expert from Germany will propose a modification. Fire risk provisions of the Regulation should be transferred to Regulation No. 34, on the basis of a proposal to be made by OICA.

Informal documents Nos. GRSG-88-7

17. The proposed symbols were adopted (see also para. 16 above) The expert from Germany will complete them by reference to an ISO standard and providing the symmetric pictogram for Figure 23A. A proposal of the expert from the European Commission to make mandatory the additional arrow to the symbol proposed in paragraph 7.6.11.1. did not reach the agreement of GRSG. He reserved his position.

Informal document No. GRSG-88-2

18. The secretariat informed GRSG that the proposed correction to the title of Regulation No. 107 had already been done in Corrigendum 1 to Revision 1 of the Regulation. With regard to other proposals (European Commission and Hungary) to modify the title of the Regulation, they were considered unnecessary.

19. GRSG proceeded to a general exchange of views on the proposed provisions for open top buses and coaches to be included in Regulation No. 107 (TRANS/WP.29/GRSG/2004/14 (superseded), informal documents Nos. GRSG-87-33 (superseded) and GRSG-88-14). In the light of the comments received, the proposal will be revised by the expert from Spain and distributed with an official symbol for consideration at the next session.

20. GRSG noted the problem of the safety on board of "sleeping coaches" raised by informal document No. GRSG-88-18. The expert from the Russian Federation offered to provide for the next session information on this type of passenger transport, widely used in his country, as well as a proposal for appropriate prescriptions.

21. GRSG noted the information on the work of the informal group on the safety of wheelchair passengers in buses and coaches (informal documents Nos. GRSG-88-11, GRSG-88-12 and GRSG-88-13). The group will meet again in Warsaw, on 9 and 10 June 2005. Document TRANS/WP.29/GRSG/2005/10 will be revised by the informal group and transmitted for consideration at the next session. Any further information on the subject is available on http://www.dft.gov.uk/stellent/groups/dft_mobility/documents/page/dft_mobility_036920.pdf.

22. GRSG also considered the proposals for lighting to assist boarding and alighting (TRANS/WP.29/GRSG/2005/2 and informal document No. GRSG-88-21). No decision was taken. The expert from Sweden, assisted by the expert from the United Kingdom will submit a revised proposal for the next session.

23. GRSG requested the expert from the European Commission to seek a solution with regard to the application of Regulation No. 107 by the European Community.

FRONTAL COLLISION OF BUSES

Documentation: Informal document No. GRSG-88-10 of Annex 1 to this report.

24. GRSG noted the information on this subject (informal document No. GRSG-88-10), provided by the expert from Hungary, who announced further information for the next session. The secretariat was requested to distribute informal document No. WP.29-135-7 for the next GRSG session.

INCONSISTENCIES IN THE DEFINITIONS OF REGULATIONS Nos. 36 and 52

25. According to the decision of WP.29 (TRANS/WP.29/1039, para. 64), GRSG will study this subject at its next session, on the basis of a proposal to be transmitted by the expert from Hungary.

REGULATION No. 18 (Protection of vehicles against unauthorized use)

Documentation: TRANS/WP.29/GRSG/2004/23; TRANS/WP.29/GRSG/2005/5; informal document No. GRSG-88-24.

26. GRSG had an exchange of views on document TRANS/WP.29/GRSG/2004/23 and on the comments on it (informal document No. GRSG-88-24). The expert from Germany will revise its proposal for the next session, taking into account the comments of GRRF received on the subject (TRANS/WP.29/GRRF/57, para. 43). Informal document No. GRSG-88-24 will be transmitted for comments to GRRF. The proposal in document TRANS/WP.29/GRSG/2005/5 was adopted but it should be taken into consideration for Regulation No. 116 only as draft Corrigendum 1 to the Regulation. It will be transmitted to WP.29 and AC.1 for consideration at their November 2005 session.

27. The expert from France reserved his position on the proposal for equivalent protection (proposed paragraph 6.4.1.).

REGULATION No. 46 (Rear-view mirrors)

Documentation: TRANS/WP.29/2004/57; informal documents Nos. GRSG-86-7, GRSG-87-1, GRSG-87-10 and GRSG-87-22 of Annexes 1 to the reports of the previous sessions.

28. GRSG noted that document TRANS/WP.29/2004/57 had been adopted by WP.29 and agreed that informal documents Nos. GRSG -86-7 and GRSG-87-22 would remain informal, while GRSG-87-1 should be transformed into an official document. Informal document No. GRSG-87-10 was withdrawn. OICA will present, for the next session, proposals on the questions still pending. The expert from Japan announced that he would transmit a proposal for the further development of the Regulation. The expert from the European Commission will also transmit a proposal to incorporate into the Regulation the provisions of Directive 2005/27/EC.

REGULATION No. 97 (Vehicle alarm systems)

Documentation: TRANS/WP.29/GRSG/2003/26; TRANS/WP.29/GRSG/2004/20; TRANS/WP.29/GRSG/2004/24/Rev.1; TRANS/WP.29/GRSG/2005/6; TRANS/WP.1/2005/11; informal document No. GRSG-88-17 of Annex 1 to the report of this session.

29. GRSG noted the declaration of the expert from Germany (informal document No. GRSG-88-17) that, for political reasons, Germany could not accept Vehicle Degradation Systems (VDS) based on remote access to vehicle electronic. The proposal in TRANS/WP.29/GRSG/2003/26 was withdrawn. GRSG agreed that the VDS informal group should continue working to elaborate an "Advanced Vehicle Security System, (AVSS)" (how to locate vehicles).

30. Updated proposals in TRANS/WP.29/GRSG/2004/20, TRANS/WP.29/GRSG/2004/24/Rev.1 and TRANS/WP.29/GRSG/2005/6 will be considered at the next session. TRANS/WP.29/GRSG/2004/20 will be transmitted for comments also to GRRF. TRANS/WP.29/GRSG/2005/6 would become Supplement 4 to the 01 series of amendments to Regulation No. 97, after having been revised by the expert from Canada and completed by appropriate transitional provisions. Similar amendments should be proposed to Regulation No. 116. GRSG was informed that the Working Party on Road Traffic Safety is considering the traffic safety aspects of the VDS (TRANS/WP.1/2005/11).

REGULATION No. 116 (Protection of motor vehicles against unauthorized use)

31. This subject would be taken into consideration in the framework of the discussion concerning Regulation No. 97 (see paras. 29 and 30 above).

DRAFT REGULATION ON THE FIELD OF VISION OF MOTOR VEHICLE DRIVERS

Documentation: TRANS/WP.29/GRSG/2005/4; informal documents Nos. GRSG-88-15 and GRSG-88-25 of Annex 1 to this report.

32. As a first step of harmonization (alignment with the corresponding EU Directive), GRSG adopted document TRANS/WP.29/GRSG/2005/4, subject to the amendments reproduced in Annex 3 to this report. The secretariat was requested to transmit it, as amended, to WP.29 and AC.1 for consideration at their 2005 November session. The expert from Japan announced that he would propose, in a second step, further amendments to the draft Regulation.

33. Informal document No. GRSG-88-25 will be considered in the second step of modifications. The secretariat will distribute it with an official symbol for consideration at the next session.

DRAFT REGULATION ON HEATING SYSTEMS

Documentation: TRANS/WP.29/2004/22 and Corr.1; TRANS/WP.29/GRSG/2005/11; informal document No. GRSG-88-27 of Annex 1 to this report.

34. GRSG considered and adopted the amendments proposed to the draft Regulation (TRANS/WP.29/2004/22 and Corr.1) in document TRANS/WP.29/GRSG/2005/11. Additional amendments (informal document No. GRSG-88-27) were also adopted and are reproduced in Annex 4 to this report. They will be transmitted by the secretariat to WP.29 and AC.1 for consideration at their 2005 November sessions.

DRAFT GTR ON SAFETY GLAZING MATERIALS

Documentation: TRANS/WP.29/GRSG/2005/9; informal documents Nos. GRSG-88-19 and GRSG-88-20 of Annex 1 to this report.

35. Taking into account the concerns of the experts from the United States of America and Canada (informal documents Nos. GRSG-88-19 and GRSG-88-20), GRSG did not enter into the discussion of document TRANS/WP.29/GRSG/2005/9. At the invitation of the expert from the United States of America, the informal group will meet again in Washington, on 9 and 10 June 2005 for the revision of the text, to be considered at the next session.

DRAFT GTR ON IDENTIFICATION OF CONTROLS, TELL-TALES AND INDICATORS

Documentation: TRANS/WP.29/GRSG/2000/8/Rev.3; TRANS/WP.29/GRSG/2004/16; informal document No. GRSG-87-25, GRSG-88-4, GRSG-88-22 and GRSG-88-23 to Annex 1 to the report of the previous session and to this report.

36. The expert from Canada introduced the text (without the symbols) proposed for the gtr (informal document No. GRSG-88-4, superseding TRANS/WP.29/GRSG/2000/8/Rev.3) which prompted several comments. Taking into account the declaration of the expert from the United States of America that, awaiting the publication of the final rule in her country, she could not take any position concerning the proposal, the discussion was suspended.

37. Taking into consideration the comments received, the expert from Canada will prepare a revised proposal to be distributed for the next session under a new symbol. TRANS/WP.29/GRSG/2004/16 and informal documents Nos. GRSG-87-25, GRSG-88-22 and GRSG-88-23 will remain, their statute unchanged, as reference documents.

EVENTS DATA RECORDER (EDR)

38. The expert from France informed GRSG that the informal group would meet in June 2005, in Paris and transmit a proposal for the next session of GRSG.

39. The expert from Germany reserved his position on the mandatory use of EDR.

DRAFT HORIZONTAL REGULATION (Verification of the scope of UNECE Regulations)

Documentation: Informal documents Nos. GRSG-88-1, GRSG-88-5 and GRSG-88-8 of Annex 1 to this report.

40. GRSG opened a general exchange of views on the proposals elaborated by the expert from the European Commission (informal documents No. GRSG-88-1 and GRSG-88-8) for clarification of the scope of Regulations under the 1958 Agreement and for a "Horizontal Regulation" (informal document No. GRSG-88-5). Experts showed interest in the concepts being proposed and their impact on Regulations. A number of specific issues were raised that prompted a discussion in the context of the "Horizontal Regulation", mainly on its advantage compared to R.E.3.

41. GRSG invited its members to send their comments on the proposals to the expert from the European Commission. The discussion on the proposals will be reopened at the next session. Informal document No. GRSG-88-5 will be distributed under an official symbol.

DRAFT GTR ON WORLD-WIDE HARMONIZED HEAVY-DUTY ON-BOARD DIAGNOSTIC SYSTEM (WWH-OBD)

Documentation: Informal document No. GRSG-88-28 of Annex 1 to this report.

42. GRSG followed a presentation by the Secretary of the GRPE informal group dealing with the subject (informal document No. GRSG-88-28). Interested GRSG experts were invited to attend the informal GRPE meeting, scheduled on 30 May 2005 in Geneva, aiming to finalize the generic part of the draft gtr. In the meantime, any comments on the subject should be sent to the WWH-OBD Secretary Mr. J-F. Renaudin (jean-francois.renaudin@renaultvi.com).

INLAND TRANSPORT COMMITTEE ROUND TABLE ON TRANSPORT AND SECURITY

43. GRSG noted the request of WP.29 to designate a speaker for the Round Table on Transport Security, to be organized by the Inland Transport Committee (ITC) during its February 2006 session (TRANS/WP.29/1039, paras. 4 and 26). The speaker should provide information on the activities of WP.29 in the field of transport and security. GRSG requested the AVSS informal group (see para. 29 above) to meet before the next GRSG session and prepare the text of the intervention. It will be considered by GRSG at its October 2005 session and submitted to WP.29 at its November 2005 session. The secretariat will communicate the Programme of the Round Table to the Chairman of the Informal Group.

AGENDA FOR THE NEXT SESSION

44. For its eighty-ninth session, to be held in Geneva from 11 (14.30 p. m.) to 14 (12.30 p.m.) October 2005, GRSG agreed on the following provisional agenda 1/

1. BUSES AND COACHES

- 1.1. Regulation No. 36 (Large capacity passenger vehicles)
- 1.2. Regulation No. 52 (Small capacity passenger vehicles, M2 and M3 category)
- 1.3. Regulation No. 66 (Strength of superstructure)
- 1.4. Regulation No. 107 (M2 and M3 vehicles)

- 1.5. Frontal collision of buses
- 1.6. Inconsistencies in the definitions of Regulations Nos. 36 and 52

2. AMENDMENTS TO OTHER REGULATIONS UNDER THE 1958 AGREEMENT

- 2.1. Regulation No. 18 (Protection of vehicles against unauthorized use)
- 2.2. Regulation No. 46 (Rear view mirrors)
- 2.3. Regulation No. 97 (Vehicle alarm systems)
- 2.4. Regulation No.116 (Protection of motor vehicles against unauthorized use)

3. DRAFT GTR-s UNDER THE 1998 AGREEMENT

- 3.1. Safety glazing
- 3.2. Controls, tell-tales and indicators

4. OTHER BUSINESS

- 4.1. Events Data Recorder (EDR)
- 4.2. Draft horizontal Regulation (verification of the scope of UNECE Regulations annexed to the 1958 Agreement)
- 4.3. ITC Round Table on transport and security

1/ As part of the secretariat's efforts to reduce expenditure, all the official as well as the informal documents distributed prior to the session by mail or placed on the UNECE web-site, (<http://www.unece.org/trans/main/welcwp29.htm>) will not be available in the conference room. Delegates are kindly requested to bring their copies of documents to the meeting.

Annex 1

LIST OF INFORMAL DOCUMENTS **GRSG-88-...**DISTRIBUTED DURING THE
SESSION

<u>No</u>	<u>Transmitted by</u>	<u>Agenda item</u>	<u>Language</u>	<u>Title</u>	<u>Follow- up</u>
1.	European Communities	5.2.	E	Inconsistencies between the definitions in R.E.3., the Vienna Convention and UNECE Regulations	a
2.	Russian Federation	1.4.	E	Proposal for the draft amendments to Regulation No. 107 (Revision 1)	d
3.	GRSG Chairman		E	Provisional Agenda Item Running Order	
4.	Canada	4.2.	E	Proposal for a new gtr on hand controls, tell-tales and indicators present on category 1 and 2 vehicles	a
5.	European Commission	5.2.	E	Draft proposal for a horizontal regulation on country codes, vehicle categories, definitions and scopes	b
6.	OICA	1.4.	E	Proposal for amendments to the draft 02 series of amendments to Regulation No. 107	b
7.	Germany	1.4.	E	Proposal for draft amendments to document TRANS/WP.29/GRSG/2005/8, regarding Regulation No. 107	d
8.	European Commission	5.2.	E	Proposal for clarification of the scope of Regulations under the 1958 Agreement covered by GRSG	c
9.	Hungary	1.3.	E	Report on the ad-hoc expert meeting held in Madrid, on 22.02.2005	a
10.	Hungary	1.5.	E	Frontal collisions and rollover accidents of buses	a
11.	United Kingdom	1.4.	E	Minutes of GRSG Ad-hoc Working Group on Safety of Wheelchair Passengers in Road Vehicles session in London, 14-15 December 2004	a
12.	GRSG Ad-hoc Working Group	1.4.	E	GRSG Ad hoc Working Group on the safety of wheelchair passengers in road vehicles - Document Register	a

<u>No</u>	<u>Transmitted by</u>	<u>Agenda item</u>	<u>Language</u>	<u>Title</u>	<u>Follow- up</u>
13.	United Kingdom	1.4.	E	Safety of wheelchair passengers in buses	a
14.	Spain	1.4.	E	Open roof vehicles	b
15.	OICA	3.2.	E	Draft ECE Regulation on the driver's field of vision	c
16.	OICA	1.4.	E	Corrigenda to document TRANS/WP.29/GRSG/2005/8	d
17.	Germany	3.	E	German position regarding a remote radio signal access to the vehicle electronic system	a
18.	European Commission	1.4.	E	Safety on board of sleeping coaches	a
19.	United States of America	4.1.	E	Comments on the proposal for a new gtr concerning safety glazing materials	a
20.	Canada	4.1.	E	Comments on the proposal for a new gtr concerning safety glazing materials	a
21.	Sweden	1.4.	E	Safety light on buses and coaches	a
22.	India	4.2.	E	Comments on the draft gtr on Identification of Controls, Tell-tales and indicators	c
23.	India	4.2	E	Comments on the draft gtr on Identification of Controls, Tell-tales and indicators	c
24.	India	2.1.	E	Comments on ECE Regulation N0. 18	c
25.	India	3.2.	E	Driver's forward field of vision	b
26.	OICA	1.4.	E	Amendments to TRANS/WP.29/GSG/2003/21	d
27.	OICA	3.3.	E	Amendments to TRANS/WP.29/GSG/2005/11	d
28.	WWH-OBD	5.3.	E	Information on OBD system	a

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- (a) Consideration completed or superseded.
(b) Consideration to be continued at the next session with official symbol.
(c) Consideration to be continued at the next session as informal document.
(d) Adopted.

Annex 2

AMENDMENTS ADOPTED TO DOCUMENT TRANS/WP.29/GRSG/2005/8
(see para. 16 of the report)

Paragraphs 2.1.1.1., 2.1.1.2., 2.38. and Annex 8, paragraph 3.11.3.3.1.

Delete

Annex 3

Paragraph 7.6.10.9., first line

Substitute open for opened

Paragraph 7.6.11.1

For the existing text substitute

7.6.11.1. Each emergency exit shall be marked, inside and outside the vehicle, by the following symbol. An additional symbol (e.g. arrow), indicating where to find the emergency exit, may be added.



Colour: Green basis with white symbols

Size: at least 130 mm wide and 50 mm high

Paragraph 7.7.8.3., second line

Substitute 7.7.8.5.2. for 7.7.8.6.2.,

Paragraph 7.7.8.6.1.

Delete the square brackets.

In the second and seventh line

For seats(s) read seat(s)

Paragraph 7.7.8.6.3.2., third line

For (see Figure 15) read (see Annex 4, Figure 15)

Paragraph 7.11.2.2.

Delete the square brackets

In the second line

For as read which

Annex 4, Figure 23

For the existing text substitute

Figure 23

(see Annex 8, paragraph 3.4.)

Pictogram for wheelchair users (Figure 23 A)



Colour: Blue basis with white symbol
Size: at least 130 mm diameter

Pictogram for passengers with reduced mobility others than wheelchair users (Figure 23 B)



Colour: Blue basis with white symbol
Size: at least 130 mm diameter

Annex 3

AMENDMENTS PROPOSALS (INFORMAL DOCUMENT No. GRSG-88-15) ADOPTED TO
DOCUMENT TRANS/WP.29/GRSG/2005/4
(see paragraph 32 of the report)

Title, amend to read:

"UNIFORM PROVISIONS CONCERNING THE APPROVAL OF MOTOR VEHICLES
WITH REGARD TO THE FORWARD FIELD OF VISION OF THE DRIVER"

Paragraph 2.12., renumber as paragraph 2.13.

Paragraph 2.13., renumber as paragraph 2.12.

Paragraph 2.12.(new), amend to read:

"2.12. "Armoured vehicle" means a vehicle intended for the protection of conveyed passengers and/or goods and complying with armour plating anti-bullet requirements."

Paragraphs 5.1.2.1.1. and 5.1.2.1.2., amend to read:

"5.1.2.1.1. "The angle of obstruction of the A pillar on the driver's side is the angle formed on the plane view by a parallel, starting from E₂, to the tangent joining E₁ with the outer edge of section S₂ and the tangent joining E₂ to the inner edge of section S₁ (see Annex 4, Appendix, Figure 3).

5.1.2.1.2. The angle of obstruction of the A pillar on the passenger side is the angle formed on the plane view by the tangent joining E₃ to the inner edge of section S₁ and a parallel, starting from E₃, to the tangent joining E₄ to the outer edge of section S₂ (see Annex 4, Appendix, Figure 3)."

Paragraph 5.1.3., amend to read:

"...
...However, three "radio aerial" conductors may cross the zone A if their width does not exceed 0.5 mm.
..."

Insert a new paragraph 5.1.3.1., to read:

"5.1.3.1. An obstruction created by the steering-wheel rim and the instrument panel inside the steering wheel will be tolerated if a plane through V₂, perpendicular to the plane x - z and tangential to the highest part of the steering-wheel rim, is declined at least 1° below the horizontal."

Paragraph 5.5.1., amend to read:

"5.5.1. E_1 and E_2 points are each 104 mm from P_1 .
 E_2 is 65 mm from E_1 (see Annex 4, Appendix, Figure 5)"

Paragraph 5.5.4., amend to read:

"5.5.4. The straight line E_3 - E_4 is "

Paragraph 6.1.2., substitute 5.2.2. for 5.2.1.1.

Annex 3.

Paragraph 2.5.1.1.1., renumber as paragraph 2.5.

Annex 4.

Paragraphs 3. to 5., renumber as paragraphs 2. to 4.

Paragraph 6., renumber as paragraph 5. and amend to read:

"..., the site of the necessary points for studying the ..."

Annex 4

AMENDMENT PROPOSALS (INFORMAL DOCUMENT No. GRSG-88-27) ADOPTED TO
THE DRAFT REGULATION ON HEATING SYSTEM OF VEHICLES
(TRANS//WP.29/2004/22 and Corr. 1)
(see paragraph 34 of the report)

Paragraph 6.2.1., table, in the row Gaseous fuel heater

Substitute See Note 3 for See Notes 2 and 3 and delete Note 2.

Annex I, Part I, Appendix 1, insert new paragraphs 3.5.and 3.5.1., to read:

- "3.5. A brief description of the vehicle type with regard to the combustion heating system and the automatic control:.....
- 3.5.1. layout drawing of the combustion heater, the air inlet system, the exhaust system, the fuel tank, the fuel supply system (including the valves) and the electrical connections showing their positions in the vehicle."

Paragraph 3.5. (former), renumber as paragraph 3.6.

Annex I, Part I, Appendix 2, insert new paragraph 2.8., to read:

- "2.8. Detailed description, layout drawings and mounting description of the combustion heater and all its components:....."
