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**ECONOMIC COMMISSION FOR EUROPE**

**INLAND TRANSPORT COMMITTEE**

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-SIXTH SESSION**

(19 to 23 April 2004)

1. GRSG held its eighty-sixth session from 19 April (afternoon) 2004 to 23 April 2004, 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; France; Germany; Hungary; India; Italy; Japan; Luxembourg; Netherlands; Norway; Poland; 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 Road Transport Union (IRU); International Organization for Standardization (ISO); International Organization of Motor Vehicle Manufacturers (OICA); European Association of Automobile Suppliers (CLEPA); European Insurance Committee (CEA); Comité de Liaison des Constructeurs de Carrosseries et Remorques (CLCCR).

2. The informal documents distributed during the session are listed in annex 1 to this report.

DEVELOPMENT OF REGULATION No. 36 (Large capacity passenger vehicles)

3. No new proposal was transmitted to GRSG on this subject.

DEVELOPMENT OF REGULATION No. 52 (Small capacity passenger vehicles, M2 and M3 category)

Documentation: TRANS/WP.29/GRSG/2004/1; informal documents Nos. GRSG-86-18 and GRSG- 86-33 of annex 1 to this report.

4. GRSG considered documents TRANS/WP.29/GRSG/2004/1 and GRSG-86-18. A proposal replacing them, made by the expert from the United Kingdom (GRSG-86-33), will be considered at the next session of GRSG, distributed as an official document.

DEVELOPMENT OF REGULATION No. 107 (M2 and M3 vehicles)

Documentation: TRANS/WP.29/GRSG/2003/21; TRANS/WP.29/GRSG/2003/22/Rev.1; TRANS/WP.29/2003/71 and Corr.1; TRANS/WP.29/GRSG/2004/9 and Corr.1; informal documents Nos. GRSG-86-2, GRSG-86-3, GRSG-86-4, GRSG-86-22, GRSG-86-25, GRSG-86-30, GRSG-86-31 and GRSG-86-33 of annex 1 to this report.

5. GRSG considered and adopted TRANS/WP.29/GRSG/2003/22/Rev.1 (replacing documents TRANS/WP.29/GRSG/2003/2, TRANS/WP.29/GRSG/2003/22 TRANS/WP.29/2003/71 and Corr.1) with the amendments and comments reproduced in annex 2 to this report.

6. Taking into account the amendments and comments reproduced in annex 2 to this report, the expert from OICA will prepare a revised text of TRANS/WP.29/GRSG/2003/22/Rev.1 for consideration at the next session. This document will complete the set of amendments already adopted in document TRANS/WP.29/GRSG/2003/21.

7. GRSG noted the information in documents GRSG-86-2 and GRSG-86-3 on the work of the ad hoc group on the safety of wheel chaired passengers in road vehicles. The group is scheduled to meet again in Madrid, on 2 and 3 June 2004. Interested GRSG and GRSP experts are invited to participate.

8. GRSG also considered document TRANS/WP.29/GRSG/2004/9 and TRANS/WP.29/GRSG/2004/9/Corr.1, containing the proposals already elaborated by the ad hoc group. To these documents, the following amendments were adopted.

Paragraph 3.2.7., replace "1.2 m" by "1200 mm".

Paragraphs 3.3.4. and 3.8.1., remove the square brackets.

Paragraph 3.9.1., amend to read:

"..... to that door at a height of 850 mm for interior controls and 1300 mm from the ground or the floor for exterior controls."

Paragraph 3.11.2.4.,

The two indents should be numbered as 3.11.2.4.1. and 3.11.2.4.2.

Paragraph 3.11.4.4.1., replace "optical device by "indirect vision".

9. Taking into account the above amendments, the proposal will be included in the revised version of TRANS/WP.29/GRSG/2003/22/Rev.1, to be prepared by the expert from OICA. The proposals in informal documents Nos. GRSG-86-22 and GRSG-86-30 will also be taken into consideration by OICA in the revised document.

10. GRSG noted informal document No. GRSG-86-4 which will serve as a reference document for bus occupants' safety.

11. The proposal of the expert from Hungary (GRSG-86-25) to delete in Regulation No. 107 the possibility of the approval of a body work as a separate technical unit did not reach the agreement of GRSG.

12. GRSG considered informal document No. GRSG-86-31 transmitted by the expert from Spain concerning requirements for double deck vehicles without a roof and agreed that they fell into the scope of Regulation No. 107. The secretariat was requested to distribute the document with an official symbol for consideration at the next session. Regarding informal document No. RSG-86- 33, see para. 4 above.

13. The expert from the United Kingdom announced a proposal for the next session on the manoeuvrability of buses to be included in Regulation No. 107.

DEVELOPMENT OF REGULATION No. 66 (Strength of superstructure)

Documentation: TRANS/WP.29/GRSG/2003/25; TRANS/WP.29/GRSG/2004/2; TRANS/WP.29/GRSG/2004/3; TRANS/WP.29/GRSG/2004/4; TRANS/WP.29/GRSG/2004/6; informal documents Nos. 7 and 8 of the eighty-fifth session; informal documents Nos. GRSG-86-8 and GRSG-86-10 of annex 1 to this report.

14. GRSG had an exchange of views on informal documents Nos. GRSG-86-8 and GRSG-86-10. With regard to informal document No. GRSG-86-8 (protection of passengers of double deck vehicles in roll-over accidents), the secretariat was requested to distribute it with an official symbol. The expert from Hungary will transmit further proposals for consideration at future sessions.

15. The proposal in informal document No. GRSG-86-10 concerning annex 9 of Regulation No. 66 did not reach the agreement of GRSG.

16. GRSG considered the text of document TRANS/WP.29/GRSG/2003/25, together with the proposals in documents TRANS/WP.29/GRSG/2004/2, TRANS/WP.29/GRSG/2004/3, TRANS/WP.29/GRSG/2004/4, TRANS/WP.29/GRSG/2004/6 and informal documents Nos. 7 and 8 of the eighty-fifth session. The comments made and texts adopted are reproduced in annex 3 to this report. The discussion will be resumed at the next session. Experts were invited to transmit written comments on the texts and amendments reproduced in annex 3 to this report.

#### SAFETY GLAZING (Draft global technical regulation)

17. The expert from Germany informed GRSG that the informal group would submit a proposal for the next session, limited to glass material, according to the decision of WP.29 (TRANS/WP.29/992, para. 89). In this proposal, the regular light transmittance of the windscreen, measured perpendicular to it, shall be not less than 70 per cent.

18. The expert from the United Kingdom reserved his position on the proposed value. The expert from OICA regretted the exclusion of plastics from the scope of the gtr.

#### DEVELOPMENT OF THE DRAFT REGULATION ON THE PROTECTION OF M1 AND M2 CATEGORIES OF VEHICLES AGAINST UNAUTHORIZED USE

19. GRSG did not consider this item, awaiting the results of the proposal for Regulation No. 97.

#### DEVELOPMENT OF REGULATION No. 97 (Vehicle alarm systems)

Documentation: TRANS/WP.29/GRSG/2003/26; TRANS/WP.29/GRSG/2004/11; informal documents Nos. GRSG-86-21/Rev.1 and GRSG-86-32 of annex 1 to this report.

20. The expert from Germany informed GRSG on the results of the work of the drafting group dealing with this subject, summarized in informal document No. GRSG-86-21/Rev.1 which amended document TRANS/WP.29/GRSG/2003/26. GRSG also noted the proposals in document TRANS/WP.29/GRSG/2004/11 and in informal document No. GRSG-86-32.

21. In conclusion, GRSG requested the expert from Germany to convene the drafting group again, before the summer holidays, in order to prepare a unique document including all proposals. The Chairman announced intention to request the consent of WP.29 to transform the drafting group into an informal group.

22. With regard to the appropriate visual VDS signal, the Chairman will request WP.29 to assure the assistance of the GRE experts.

DEVELOPMENT OF REGULATION No. 46 (Rear-view mirrors)

Documentation: TRANS/WP.29/GRSG/2002/10; TRANS/WP.29/GRSG/2002/10/Add.1; TRANS/WP.29/GRSG/2003/9; TRANS/WP.29/GRSG/2004/10; informal documents Nos. GRSG-86-7 and GRSG-86-17 of annex 1 to this report.

23. GRSG considered and adopted document TRANS/WP.29/GRSG/2002/10 and the amendments to it, proposed in document TRANS/WP.29/GRSG/2002/10/Add.1, aligning the Regulation on the European Union Directive, with the additional amendments to TRANS/WP.29/GRSG/2002/10, reproduced in annex 4 to this report. The secretariat was requested to transmit the adopted text to WP.29 and AC.1 for consideration at their 2004 November session as a draft 02 series of amendments to Regulation No. 46.

24. During a preliminary consideration of document TRANS/WP.29/GRSG/2004/10 (superseding document TRANS/WP.29/GRSG/2003/9), which will be reconsidered, together with informal document No. GRSG-86-7, the following comments were made.

Paragraph 15.1.4.

The proposal of the expert from India (GRSG-86-17) to delete the light transmission factor of 70 per cent did not reach the agreement of GRSG.

The last sentence of this paragraph should read as follows:

"In the case of mirrors, they shall be established through windows which have a total light transmission factor of at least 70 per cent, measured normal to the surface."

Paragraph 15.2.1.1.1.

The expert from Belgium was against this proposal.

DRAFT GLOBAL CONSOLIDATED RESOLUTION ON COMMON DEFINITIONS AND  
MASSES AND DIMENSIONS

Documentation: TRANS/WP.29/2004/25; informal document No. GRSG-86-16 of annex 1 to this report.

25. The amendments proposed to document TRANS/WP.29/2004/25 by the expert from India (GRSG-86-16) did not reach the agreement of GRSG.

26. The Chairman will inform WP.29 on the agreement of GRSG with the text of TRANS/WP.29/2004/25.

## OTHER BUSINESS

### (a) Draft global technical regulation on identification of controls, tell-tales and indicators

Documentation: TRANS/WP.29/GRSG/2000/8/Rev.3; informal documents Nos. GRSG-86-1 and GRSG-86-27 of annex 1 to this report.

27. Regarding document TRANS/WP.29/GRSG/2000/8/Rev.3, the expert from the United States of America recalled the consideration of this item by WP.29 (TRANS/WP.29/992, paras. 90 to 92). He was of the opinion that Table 2 should be proposed as optional, in order to permit the continuation of the work with success. He will keep GRSG informed on the evolution of the subject in his country.

28. The expert from Canada offered to prepare a new revised version of document TRANS/WP.29/2000/8/Rev.3, taking into account the expected comments from the expert from the United States of America.

29. The proposals in document No. GRSG-86-1 should be confirmed by the expert from ISO before their consideration. The expert from OICA pronounced against the proposed new symbol for child lock. The expert from ISO offered his cooperation to study an alternative symbol.

30. The proposals of the expert from India (GRSG-86-27) will be included in a document to be distributed with an official symbol for consideration at the next session.

### (b) Draft Regulation on the driver's field of vision

Documentation: TRANS/WP.29/GRSG/2000/19/Rev.1; TRANS/WP.29/GRSG/2002/1; TRANS/WP.29/GRSG/2002/9; informal documents Nos. GRSG-86-14/Rev.1 and GRSG-86-15/Rev.1 of annex 1 to this report.

31. GRSG followed with interest a presentation by the expert from India on the problem of the intrusion of the "A pillars" into the driver's field of vision, treated also by document TRANS/WP.29/GRSG/2002/1.

32. With regard to documents GRSG-86-14/Rev.1 and GRSG-86-15/Rev.1, it was agreed that they would be kept as informal documents.

33. The expert from the United Kingdom drew the attention of GRSG to the European New Car Assessment Programme Partnership (EURO NCAP) work in this field.

34. The consideration of this item will be resumed at the next session on an updated version of document TRANS/WP.29/GRSG/2000/19/Rev.1, to be prepared by the expert from Belgium, as a first step to bring into line the future new Regulation with the corresponding European Union Directive.

35. The proposals in documents TRANS/WP.29/GRSG/2002/1, TRANS/WP.29/GRSG/2002/9, GRSG-86-14/Rev.1 and GRSG-86-15/Rev.1 would be considered in a second step.

(c) Regulation No. 26 (Vehicles with regard to their external projections)

Documentation: TRANS/WP.29/GRSG/2003/11; TRANS/WP.29/GRSG/2003/28 and TRANS/WP.29/GRSG/2004/8.

36. GRSG considered and adopted document TRANS/WP.29/GRSG/2004/8 (superseding documents TRANS/WP.29/GRSG/2003/11 and TRANS/WP.29/GRSG/2003/28) with the following amendments.

Paragraph 4.1.2., amend to read:

" ...two digits (at present 03, corresponding to the 03 series of amendments) shall indicate... "

Paragraph 4.1.4.1., footnote 2/, amend to read:

"2/ 1 for Germany, 2 for France, 3 for Italy, 4 for the Netherlands, 5 for Sweden, 6 for Belgium, 7 for Hungary, 8 for the Czech Republic, 9 for Spain, 10 for Serbia and Montenegro, 11 for the United Kingdom, 12 for Austria, 13 for Luxembourg, 14 for Switzerland, 15 (vacant), 16 for Norway, 17 for Finland, 18 for Denmark, 19 for Romania, 20 for Poland, 21 for Portugal, 22 for Russian Federation, 23 for Greece, 24 for Ireland, 25 for Croatia, 26 for Slovenia, 27 for Slovakia, 28 for Belarus, 29 for Estonia, 30 (vacant), 31 for Bosnia and Herzegovina, 32 for Latvia, 33 (vacant), 34 for Bulgaria, 35 (vacant), 36 for Lithuania, 37 for Turkey, 38 (vacant), 39 for Azerbaijan, 40 for The former Yugoslav Republic of Macedonia, 41 (vacant), 42 for the European Community (Approvals are granted by its Member States using their respective ECE symbol), 43 for Japan, 44 (vacant), 45 for Australia, 46 for Ukraine, 47 for South Africa, 48 for New Zealand, 49 for Cyprus and 50 for Malta. Subsequent numbers shall be assigned to other countries in the chronological order in which they ratify the Agreement Concerning the Adoption for Uniform Technical Prescriptions for Wheeled Vehicles, Equipment and Parts which can be fitted and/or be Used on Wheeled Vehicles and the Conditions for Reciprocal Recognition of Approval Granted on the Basis of these Prescriptions, and the numbers, and the numbers thus assigned shall be communicated by the Secretary-General of the United Nations to the Contracting Parties to the Agreement."

Paragraph 6.17.4.2., delete the square brackets (three times).

Paragraphs 12.4. and 12.5., amend to read:

"..... as amended by the 03 series of amendments."

Paragraphs 12.6. and 12.7., delete the square brackets.

Annex 2,

Model A of the approval mark, in the figure and in the caption below amend the number "02 2439" to read "03 2439" (twice). In addition, in the caption below the figure, amend the words "Regulation No. 26 included the 02 series of amendments" to read "Regulation No. 26 as amended by the 03 series of amendments".

Model B of the approval mark, in the figure amend the number "02 2439" to read "03 2439". In the caption below the figure, amend the words "Regulation No. 26 included the 02 series of amendments" to read "Regulation No. 26 included the 03 series of amendments".

37. The secretariat was requested to submit the adopted proposals to WP.29 and AC.1 for consideration at their November 2004 session as draft 03 series of amendments to Regulation No. 26.

(d) Draft Rule No. 2 - Periodical technical inspections of wheeled vehicles with regard to their roadworthiness

Documentation: TRANS/WP.29/2003/16; TRANS/WP.29/2004/47; informal documents Nos. GRSG-86-19, GRSG-86-20 and GRSG-86-29 of annex 1 to this report.

38. GRSG had a general exchange of views on the comments (GRSG-86-19, GRSG-86-20, GRSG-86-29) received on document TRANS/WP.29/2004/47 which should supersede document TRANS/WP.29/2003/16.

39. According to the opinion of the experts, the document contains several items which are not in the competence of GRSG and should not be dealt with. Thus, the secretariat was requested to transmit informal document No. GRSG-86-19, concerning CNG and LPG vehicles, to GRPE.

40. The expert from Germany agreed to lead an assembly work of the different proposals, restricted to those of the competences of the GRSG.

41. The Chairman will inform WP.29 on the position of GRSG and request approval for the setting up of the ad hoc group for the work mentioned in para. 40 above.

(e) Consolidated Resolution on the construction of vehicles (R.E.3)

Documentation: Informal document No. GRSG-86-6 of annex 1 to this report.

42. GRSG took note of informal document No. GRSG-86-6 transmitted by the expert from the Russian Federation. The secretariat was requested to distribute it with an official symbol for consideration at the next session, with the following amendments.

Paragraph 1.6., amend to read:

"..... or whose continuous rated power does not exceed 4 kW in the case of electric engines."

Paragraph 1.7., amend to read:

"..... does not exceed 15 kW in the case of internal combustion engines, or whose maximum continuous rated power does not exceed 15 kW in the case of electric vehicles."

Footnotes 1/ and 2/, should be deleted.



(f) Frontal collision of buses

Documentation: Informal documents Nos. GRSG-86-11, GRSG-86-12, GRSG-86-13, GRSG-86-23 and GRSG-86-24 of annex 1 to this report.

43. GRSG had a general exchange of views on the informal documents submitted on this item containing statistical data, comments on the full scale frontal impact test of buses and on the persons and systems to be protected. The general opinion of GRSG was that more accident statistics and the cooperation of a GRSP expert would be needed in this field. The Chairman will inform WP.29 about these proposals on which the discussion will be resumed at the next session.

44. The expert from Hungary offered the possibility of organizing a workshop in his country for interested experts on frontal collision.

(g) Regulation No. 105 (ADR vehicles)

Documentation: TRANS/WP.29/GRSG/2004/7; informal document No. GRSG-86-34 of annex 1 to this report.

45. GRSG considered and adopted document TRANS/WP.29/GRSG/2004/7 with the following amendments (see: informal document No. GRSG-86-34):

Paragraph 4.2., amend to read:

"...(at present 03 for the Regulation as amended by the 03 series of amendments) shall..."

Paragraph 5.1., table, in the row 5.1.2.2. put an "x" in the last column.

Rows 5.1.2.2.1. and 5.1.2.2.2. of the table, should be deleted.

Paragraphs 10.1., 10.3., 10.4. and 10.6., replace "02 series of amendments" by "03 series of amendments".

Annex 2,

Model A of the approval mark, in the figure and in the caption below amend the number "02 2492" to read "03 2492" (twice). In addition, in the caption below the figure, amend the words "Regulation No. 105 as amended by the 02 series of amendments" to read "Regulation No. 105 as amended by the 03 series of amendments".

Model B of the approval mark, in the figure amend the number "02 2492" to read "03 2492". In the caption below the figure, amend the words "Regulation No. 105 included the 02 series of amendments" to read "Regulation No. 105 included the 03 series of amendments".

46. The secretariat was requested to submit the adopted proposal to WP.29 and AC.1 for consideration at their November 2004 sessions as a 03 series of amendments to Regulation No. 105.

(h) Fire extinguishers

47. According to the request of WP.29 (TRANS/WP.29/953, para. 21), GRSG considered the necessity of developing technical requirements for fire extinguishers for motor vehicles. The general opinion of the experts was that the existing ISO standards cover already and entirely the technical requirements and that the presence of extinguishers on board of vehicles is not in the competence of GRSG but belongs to national legislation.

(i) Events Data Recorder (EDR)

Documentation: Informal documents Nos. GRSG-86-9 and GRSG-86-28 of annex 1 to this report.

48. GRSG noted the decision of WP.29 mandating it to include this item in its programme of work (TRANS/WP.29/992, para. 75) and the two informal documents transmitted on this subject (GRSG-86-9 and GRSG 86-28).

49. During the general exchange of information, some concerns were expressed on the possible problems arising in the case of accidents in which a vehicle equipped with EDR and another without EDR are involved and on the legal aspects of the use of the collected data.

50. At the request of GRSG, the expert from France agreed to convene an informal group to elaborate a proposal for a new draft regulation. The experts from United Kingdom and the ISO announced their interest to participate in this work. The Chairman will request the consent of WP.29 regarding the informal group.

(j) Safety-belt remainder

Documentation: Informal document GRSG-86-26 of annex 1 to this report.

51. GRSG noted with thanks the information transmitted by the expert from Japan on the subject (GRSG-86-26). The expert from France agreed to prepare a working paper, in cooperation with the experts from Japan and Sweden, taking also into account the EURO NCAP work in this field.

AGENDA FOR THE NEXT SESSION

52. For its eighty-seventh session to be held in Geneva from 12 (14.30 h) to 15 (12.30 h) October 2004, GRSG agreed on the following provisional agenda: 1/

1. Regulation No. 36 (Large capacity passenger vehicles), development
2. Regulation No. 52 (Small capacity passenger vehicles, M2 and M3 category), development
3. Regulation No. 107 (M2 and M3 vehicles)
4. Regulation No. 66 (Strength of superstructure), development
5. Safety glazing (Draft global technical regulation)
6. Draft Regulation on the protection of M1 and N1 category vehicles against unauthorized use, development
7. Regulation No. 97 (Vehicle alarm systems), development

8. Regulation No. 46 (Rear view mirrors), development
9. Draft Consolidated Resolution on Common definitions on masses and dimensions
10. Other business
- 10.1 Draft global technical regulation on identification of controls, tell-tales and indicators
- 10.2. Draft Regulation concerning the driver's field of vision of power driven vehicles
- 10.3 Draft Rule No. 2 (Periodical inspection of wheeled vehicles with regard to their roadworthiness) of the 1997 Agreement
- 10.4. Consolidated Resolution on the Construction of Vehicles (R.E.3), development
- 10.5. Frontal collision of buses
- 10.6 Events Data Recorder (EDR)
- 10.7. Safety-belt reminders

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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 for distribution to session participants. Delegates are kindly requested to bring their copies of documents to the meeting.

Annex 1

LIST OF INFORMAL DOCUMENTS DISTRIBUTED WITHOUT  
A SYMBOL 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	ISO	10.1.	E	Comments on document TRANS/WP.29/2000/8/Rev.3	a
2	United Kingdom	3.	E	GRSG - Ad-hoc working group Safety of Wheelchair Passengers in Road Vehicles 15-16 December 2003	a
3	United Kingdom	3.	E	GRSG - Ad-hoc working group on Safety of Wheelchair Passengers in Road Vehicles - Document Register	a
4	European Commission	3.	E	Enhanced Coach and Bus Occupant Safety	a
5	Chairman		E	Provisional agenda item Running Order	a
5/Rev.1	Chairman		E	Provisional agenda item Running Order	a
6	Russian Federation	10.5.	E/R	The revised text of the Annex 7 of the Consolidated Resolution R.E.3 (TRANS/WP.29/78/Rev.1/Amend.2)	b
7	Russian Federation	8.	E/R	Comments on the Netherlands proposal for draft 02 series of amendments to Regulation No. 46 (TRANS/WP.29/GRSG/2002/10)	d
8	Hungary	4.	E	Proposal to develop new regulation(s) Protection of Bus Occupants in case of Rollover Accidents (Strength of superstructure)	b
9	Switzerland	10.9.	E	Information sur le système d'évaluation des mesures dans le cadre de la nouvelle politique Suisse de sécurité routière	a

<u>No</u>	<u>Transmitted by</u>	<u>Agenda item</u>	<u>Language</u>	<u>Title</u>	<u>Follow- up</u>
10	Hungary	4.	E	Comments and Proposal to Regulation No. 66, Annex 9	a
11	Hungary	10.6	E	Accident Statistics (Frontal Collisions of Buses) (Madrid meeting - WD.1)	a
12	Hungary	10.6.	E	The Role of Full-Scale Frontal Impact Test of Buses (Frontal collision of buses) (Madrid meeting - WD.5)	a
13		10.6.	E	Drawn Report about the meetings held in Madrid dealing with the frontal collision of buses (15-16 September 2003 and 17-18 March 2004)	a
14	India	10.2.	E	Uniform Technical Provisions Concerning the Forward Field of Vision-Proposal by Japan (TRANS/WP.29/GRSG/2002/9)	a
14/Rev.1	India	10.2.	E	Uniform Technical Provisions Concerning the Forward Field of Vision-Proposal by Japan (TRANS/WP.29/GRSG/2002/9)	c
15	India	10.2.	E	Uniform Technical Provisions Concerning the Forward Field of Vision-Proposal by Belgium (TRANS/WP.29/GRSG/2000/19/Rev.1)	a
15/Rev.1	India	10.2.	E	Uniform Technical Provisions Concerning the Forward Field of Vision-Proposal by Belgium (TRANS/WP.29/GRSG/2000/19/Rev.1)	c
16	India	9.	E	Draft Consolidated Resolution on Common Definitions and Procedures to be Used in Global Technical Regulations (TRANS/WP.29/2004/25)	a

<u>No</u>	<u>Transmitted by</u>	<u>Agenda item</u>	<u>Language</u>	<u>Title</u>	<u>Follow- up</u>
17	India	8.	E	Regulation No. 46, Rear View Mirrors (TRANS/WP.29/GRSG/2004/10)	a
18	India	2.	E	Regulation No. 52, Small Capacity Passenger Vehicles, M2 and M3 category (TRANS/WP.29/GRSG/2004/1) Russian Proposal	a
19	India	10.4.	E	Draft Rule No. 2-Vehicles with Regard to their Roadworthiness (TRANS/WP.29/2003/16)	a
20	Russian Federation	10.4	E	Draft Rule No. 2-Vehicles with Regard to their Roadworthiness (TRANS/WP.29/2003/16)	a
21 and Rev.1	OICA	7.	E	Proposal for Draft Amendments to Regulation No. 97 (Vehicle alarm systems) (TRANS/WP.29/GRSG/2003/26)	d
22	OICA	3.	E	Proposal to amend document TRANS/WP.29/GRSG/2003/22/Rev.1	a
23	Hungary	10.6.	E	Typical Bus Frontal Collisions (Madrid meeting - WD.3.)	a
24	Hungary	10.6.	E	Persons and Systems to be Protected (Frontal collision of buses) (Madrid meeting - WD.6.)	a
25	Hungary	3.	E	Comments and proposal to improve the unified bus Regulation 107/Rev.1 (Bodywork as a separate technical unit)	a
26	Japan	10.10.	E	Draft technical standard for driver seatbelt warning device in Japan (Draft Japanese Safety Regulations for Road Vehicles)	a

<u>No</u>	<u>Transmitted by</u>	<u>Agenda item</u>	<u>Language</u>	<u>Title</u>	<u>Follow- up</u>
27	India	10.1.	E	Comments on document GRSG-86-1 (TRANS/WP.29/2000/8/Rev.3) Draft Global Technical Regulation – Uniform Provisions for Hand Controls, Tell-tale and Indicators Present on Category 1 and 2 Vehicles)	b
28	France	10.9.	E/F	Proposal concerning the standardization study of an events data recorder (EDR)	a
29	France	10.4.	E	Proposal for draft amendments to document TRANS/WP.29/2003/16 – Draft rule No. 2 (Periodical Technical Inspection of Wheeled Vehicles with regard to their Roadworthiness)	a
30	Germany	3.	E	Proposal for draft amendment to Regulation No. 107	a
31	Spain	3.	E	Proposal for draft amendment Regulation No. 107 (Prescriptions for double-deck vehicles without roof)	b
32	United Kingdom	7.	E	Regulation No. 97 Part IV – VDS Provisions	d
33	United Kingdom	2.	E	Regulation Nos. 52 and 107.02	b
34	OICA	10.7.	E	Draft proposal for amendments to TRANS/WP.29/GRSG/2004/7	b

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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 AND COMMENTS TO DOCUMENT TRANS/WP.29/GRSG/2003/22/Rev.1

Part 1

Insert proposal for paragraph 5.7.8.2. (see GRSG-86-30).

Annex 3

Paragraph 7.6.1.5.

The expert from CCLR will propose a modified text.

Paragraph 7.6.11.1.

The expert from Germany will propose an international representative symbol.

Paragraph 7.6.2.3.

Replace the reference to "paragraph 5.6.1." by "paragraph 7.6.1."

Part 2

Annex 3

Paragraphs 7.5. to 7.5.5.

Some of these paragraphs should be kept with reference to Regulation No. 34 to be amended consequently.

Paragraph 7.6.2.1.2.

The expert from the Netherlands reserved his position concerning the specification (service door) of additional door(s) required.

Paragraph 7.7.8.6.1.

To be amended as proposed in document GRSG-86-33. The expert from Spain reserved his position on this proposal.

Annex 4, Figure 1

Replace by the proposal in GRSG-86-22 (to be modified by the expert from OICA).

Annex 4, Figure 1, Table

The expert from the Russian Federation will propose a modified table.



Annex 4, Figure 11b

To be replaced by the proposal in GRSG-86-30.

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Annex 3

AMENDMENTS AND COMMENTS TO DOCUMENT TRANS/WP.29/GRSG/2003/25

Paragraph 1.

The expert from the European Commission entered a reservation on this paragraph. He will submit an amendment proposal to it for the next session.

Paragraph 2.1.

It should be completed by units for angles.

Paragraph 2.4.

Instead of "group of vehicle types" "family of vehicle types" could be used.

Paragraph 2.7.

Paragraph 2.16.

The expert from the European Commission reserved his position on the value of 0.50. He would have preferred 0.90.

Paragraph 3.1., amend to read:

"..... the Administrative Department."

Paragraph 3.2.1.4., delete the second sentence.

Paragraph 3.2.4., amend to read:

"..... separately for each section of the vehicle type .....".

Paragraph 3.4., delete the comma between the words "pieces" and "shall".

Paragraph 5.2.1., amend to read:

"..... on the side wall. [No account shall be taken of wheel arches and other variations of the floor height.] These dimensions .....".

Paragraph 5.2.2., amend to read:

"..... of the  $S_R$  points are different, the step .....".

Replace the reference to Figure 1 (c) by Figure 3 (c).

Paragraph 6.1.1., amend to read:

"..... any case the modified vehicle type ..... part of family of vehicle type ....."

Paragraph 7.

See the notes by the secretariat on page 25.

Paragraph 10.

The expert from OICA will transmit proposal for transitional provisions.

Annex 1

See the proposal in TRANS/WP.29/GRSG/2004/4 until item 10.

For the definition reference should be made to the Consolidated Resolution (R.E.3).

Annex 3

Paragraph 2.6.1., replace the reference to "paragraph 2.5.2." by reference to "paragraph 2.6.2."

Paragraph 2.6.2., replace "25°" by "20°".

Paragraph 2.6.7. (new), amend to read:

"2.6.7. If the articulated vehicle is tested in separate sections, the centre of gravity position shall be established separately for each section."

Annex 4

Paragraph 1.5., should be deleted.

Annex 5, title amend to read:

"ROLLOVER TEST AS THE BASIC APPROVAL METHOD"

Figure A.5.1., to be modified. (replace "100" by "max 100")

Paragraphs 1.4.1. and 1.4.2.

See document TRANS/WP.29/GRSG/2004/6.

Paragraph 2.1.5.

See document TRANS/WP.29/GRSG/2004/3 with the following amendments.

Paragraph 2.1.5.1.2., amend to read:

"2.1.5.1.2. Placed to have its centre of gravity 100 mm above ....."

Paragraph 2.1.5.2., amend to read:

"..... restrained with a 2 [or 3] point seat-belt ..... should be placed above.....".

The expert from Spain will give reference for the anthropometric ballast.

Paragraph 3.3.

See document TRANS/WP.29/GRSG/2004/2.

Annex 7,

Paragraph 4.2.1., formula amend to read:

$$"E_T = 0.75 M.g.\Delta h"$$

Paragraph 4.3., formula amend to read:

$$"E_{BS} \geq E_{min}"$$

Annex 8

Paragraphs 2.1.4. and 2.1.5., should be deleted.

The expert from Hungary was against the deletion.

Paragraph 2.2.2.

See document TRANS/WP.29/GRSG/2004/3.

Paragraph 3.1., formula amend to read:

$$"E_T = 0.75 M.g.\Delta h"$$

Paragraph 3.1., formula amend to read:

$$"E_{BS} \geq E_{min}"$$

Paragraphs 3.4. and 4.4., should be deleted.

Paragraph 4.5., renumber as 4.4.

Appendix 1

Paragraph 2.2.

See document TRANS/WP.29/GRSG/2004/3.

Paragraph 2.3., amend to read:

"2.3. The DH characteristics to be used in the calculation shall contain the  $M - \phi$  curve in the measured range."

Paragraph 3.2.

See document TRANS/WP.29/GRSG/2004/2.

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Annex 4

AMENDMENTS ADOPTED TO DOCUMENT TRANS/WP.29/GRSG/2002/10

Paragraph 1.2., the reference to the footnote \*/ and the corresponding footnote should be deleted.

Paragraph 8.3., should be deleted.

Paragraph 15.2.1.1.3., the reference to the footnote \*/ and the corresponding footnote should be deleted.

Paragraphs 21. to 21.6., amend to read:

"21.                   TRANSITIONAL PROVISIONS

- 21.1.               As from the official date of entry into force of the 02 series of amendments to this Regulation, no Contracting Party applying this Regulation shall refuse an application for approval under this Regulation as amended by the 02 series of amendments.
- 21.2.               As from 26 January 2006, Contracting Parties applying this Regulation shall grant approvals to a type of vehicle with regard to the installation of devices for indirect vision only if the type of vehicle meets the requirements of this Regulation as amended by the 02 series of amendments. However, this date shall be postponed by 12 months as regards the requirements concerning the installation of a class VI front mirror.
- 21.3.               As from 26 January 2006, Contracting Parties applying this Regulation shall grant approvals to a type of devices for indirect vision only if the type meets the requirements of this Regulation as amended by the 02 series of amendments.
- 21.4.               As from 26 January 2010 for vehicles of category M1 and N1 and 26 January 2007 for vehicles of other categories, Contracting Parties applying this Regulation may refuse to recognize approvals of a type of vehicle which have not been granted in accordance with the 02 series of amendments to this regulation.
- 21.5.               As from 26 January 2010 for vehicles of category M1 and N1 and from 26 January 2007 for vehicles of other categories, Contracting Parties applying this Regulation may refuse to recognize approvals of a device for indirect vision which have not been granted in accordance with the 02 series of amendments to this regulation.
- 21.6.               Approvals which were granted to rear-view mirrors of Classes I or III pursuant to this Regulation in its original form (00/series) or modified by the 01 series of amendments before the date of entry into force of this series of amendments shall remain valid.

- 21.7. The provisions of this Regulation shall not prohibit the approval of a type of vehicle with regard to the mounting of rear-view mirrors pursuant to this Regulation as modified by the 02 series of amendments, if all or part of the rear-view mirrors of Classes I or III, with which it is fitted, bear the approval mark prescribed by the original version (00 or 01series) of this Regulation.
- 21.8. Notwithstanding the provisions of paragraphs 21.3. and 21.5. above, for the purpose of replacement parts, Contracting Parties applying this Regulation shall continue to grant approvals according to the 01 series of amendments to this Regulation, to devices for indirect vision for use on vehicle types which have been approved before the date mentioned in paragraph 21.2. pursuant to the 01 series of amendments of Regulation No. 46, and, where applicable, subsequent extensions to these approvals."

Annex 9, should be deleted.

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