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**ECONOMIC COMMISSION FOR EUROPE**

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

Working Party on Pollution and Energy (GRPE)

REPORT OF THE WORKING PARTY ON POLLUTION AND ENERGY (GRPE)  
ON ITS FIFTY-FIRST SESSION 1/  
(16 – 20 January 2006)

ATTENDANCE

1. GRPE held its fifty-first session from 16 to 20 January 2006, under the chairmanship of Mr. B. Gauvin (France). 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; Denmark; Finland; France; Germany; Hungary; India; Italy; Japan; Netherlands; Norway; Poland; Republic of Korea; Republic of South Africa; Russian Federation; Serbia and Montenegro; Spain; Sweden; Switzerland; Turkey; United Kingdom; United States of America. Experts from the European Commission (EC) also 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); International Road Union (IRU); Association for Emission Control by Catalyst (AECC/CEFIC); Additives Technical Committee (ATC/CEFIC); European Natural Gas Vehicle Association (ENGVA); European LPG Association (AEGPL); European Committee of Associations of Manufacturers of Agricultural Machinery (CEMA); European Association of Internal Combustion Engine Manufacturers (EUROMOT); Committee for European Construction Equipment (CECE). Experts from the Engine Manufacturers Association (EMA) and the International Federation of Automotive Aftermarket Distributors (FIGIEFA) participated at the invitation of the secretariat.

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1/ Following the agreement reached at the fiftieth GRPE session, six informal meetings were held prior to the proper session of the fifty-first GRPE (see ECE/TRANS/WP.29/GRPE/2006/1, Add.1, Corr.1, and paras. 2 to 7 below).

2. The second informal meeting of the GRPE working group on Hydrogen and Fuel Cell Vehicles – Subgroup Environment (HFCV-SGE) was held on 16 January 2006 (morning only) under the Chairmanship of Mr. A. Perujo (EC-JRC). Experts from the following countries and organizations participated in the work: Canada; Czech Republic; Finland; France; Germany; Hungary; India; Japan; Netherlands; Norway; Poland; Republic of Korea; Republic of South Africa; Russian Federation; Sweden; Switzerland; Turkey; European Commission (EC); International Organization for Standardization (ISO); International Organization of Motor Vehicle Manufacturers (OICA); European Association of Automobile Suppliers (CLEPA); Association for Emission Control by Catalyst (AECC/CEFIC); Engine Manufacturers Association (EMA). A summary of the proceedings of this informal meeting is given below (paras. 37-39).

3. The sixteenth informal meeting of the GRPE Particle Measurement Programme (PMP) working group was held on 16 January 2006 (afternoon only) under the Chairmanship of Mr. C. Parkin (United Kingdom). Experts from the following countries and organizations participated in the work: Canada; Czech Republic; Finland; France; Germany; Hungary; India; Japan; Netherlands; Norway; Poland; Republic of Korea; Republic of South Africa; Russian Federation; Serbia and Montenegro; Sweden; Switzerland; Turkey; United Kingdom; United States of America; European Commission (EC); International Organization of Motor Vehicle Manufacturers (OICA); European Association of Automobile Suppliers (CLEPA); Association for Emission Control by Catalyst (AECC/CEFIC); Additives Technical Committee (ATC/CEFIC); Engine Manufacturers Association (EMA). A summary of the proceedings of this informal meeting is given below (paras. 17-20).

4. The fifteenth informal meeting of the GRPE working group on World-Wide harmonized Heavy-duty vehicle On-Board Diagnostics (WWH-OBDD) was held on 17 January 2006 (morning only), under the chairmanship of Mr. K. Narusawa (Japan). Experts from the following countries and organizations participated in the work: Canada; Czech Republic; Finland; France; Germany; Hungary; India; Italy; Japan; Netherlands; Norway; Poland; Republic of Korea; Republic of South Africa; Russian Federation; Serbia and Montenegro; Sweden; Switzerland; Turkey; United Kingdom; United States of America; European Commission (EC); International Organization for Standardization (ISO); International Organization of Motor Vehicle Manufacturers (OICA); Association for Emission Control by Catalyst (AECC/CEFIC); Engine Manufacturers Association (EMA); International Federation of Automotive Aftermarket Distributors (FIGIEFA). A summary of the proceedings of this informal meeting is given below (paras. 13-15).

5. The eleventh informal meeting of the GRPE working group on the emissions from Non-Road Mobile Machinery (NRMM) was held on 17 January 2006 (afternoon only) under the Chairmanship of Mr. G. De Santi (European Commission). Experts from the following countries and organizations participated in the work: Canada; Czech Republic; Finland; France; Germany; Hungary; India; Japan; Netherlands; Norway; Poland; Republic of Korea; Republic of South Africa; Russian Federation; Serbia and Montenegro; Sweden; Switzerland; Turkey; United Kingdom; United States of America; European Commission (EC); International Organization of Motor Vehicle Manufacturers (OICA); Association for Emissions Control by Catalyst (AECC/CEFIC); European Committee of Associations of Manufacturers of Agricultural Machinery (CEMA); Engine Manufacturers Association (EMA); European Association of Internal Combustion Engine Manufacturers (EUROMOT); Committee for European

Construction Equipment (CECE). A summary of the proceedings of this informal meeting is given below (paras. 23 and 24).

6. The seventeenth informal meeting of the GRPE working group on the World-wide Heavy-Duty Certification procedure (WHDC) was held on 18 January 2006 (morning only) under the Chairmanship of Mr. J.P. Laguna (European Commission). Experts from the following countries and organizations participated in the work: Canada; Czech Republic; Finland; France; Germany; Hungary; India; Italy; Japan; Netherlands; Norway; Poland; Republic of Korea; Republic of South Africa; Russian Federation; Serbia and Montenegro; Sweden; Turkey; United Kingdom; United States of America; European Commission (EC); International Organization of Motor Vehicle Manufacturers (OICA); European Association of Automobile Suppliers (CLEPA); European Committee of Associations of Manufacturers of Agricultural Machinery (CEMA); Engine Manufacturers Association (EMA). A summary of the proceedings of this informal meeting is given below (paras. 8-10).

7. The twelfth informal meeting of the GRPE working group on Off-Cycle Emissions (OCE), was held on 18 January 2006 (afternoon only), under the Chairmanship of Mr. W. Charmley (United States of America). Experts from the following countries and organizations participated in the work: Canada; Czech Republic; Finland; France; Germany; Hungary; India; Italy; Japan; Netherlands; Norway; Poland; Republic of Korea; Republic of South Africa; Russian Federation; Serbia and Montenegro; Sweden; United Kingdom; United States of America; European Commission (EC); International Organization of Motor Vehicle Manufacturers (OICA); European Association of Automobile Suppliers (CLEPA); International Road Union (IRU); Association for Emissions Control by Catalyst (AECC/CEFIC); European Committee of Associations of Manufacturers of Agricultural Machinery (CEMA); Engine Manufacturers Association (EMA). A summary of the proceedings of this informal meeting is given below (paras. 11 and 12).

1. REGULATION No. 49 (Emissions of C.I., NG and P.I. (LPG) engines)

1.1. World-wide harmonized Heavy-Duty Certification procedure (WHDC)

Documentation: ECE/TRANS/WP.29/GRPE/2006/9; informal documents Nos. GRPE-51-6, GRPE-51-7 and GRPE-51-8 of Annex 1 to this report.

8. GRPE noted the minutes (GRPE-51-6) of the editorial committee meeting (held in Chicago, on 16 September 2005) and the progress report and the further work to complete the draft gtr on WHDC (GRPE-51-7). The expert from the EC, Mr. J.P. Laguna, chairing the WHDC informal group, reported on the results of the informal meeting prior to the GRPE session (para. 6). He informed GRPE that the text of the WHDC procedure (ECE/TRANS/WP.29/GRPE/2006/9) was not yet completely finalized. He announced that a further meeting, scheduled to be held by the end of February 2006, would be necessary to conclude the remaining open issues (i.e. engine preconditioning requirements as summarized in GRPE-51-8). GRPE experts were invited to transmit their comments on those issues to Mr. Stein (hj.stein@daimlerchrysler.com), not later than mid-February 2006.

9. The expert from Germany raised the need to consider in depth the different options on how to include the new test cycle into the regulations under both Agreements, as a gtr under the

1998 Agreement and/or as an amendment to Regulation No. 49 under the 1958 Agreement. For the amendments to Regulation No. 49, he suggested the two alternatives: either to insert the test cycle as a new annex, or to restructure the Regulation into modules. The first option being the easiest, the expert from OICA, however, considered the second one as being the more appropriate for future evolutions. For that reason, he volunteered to assist in preparing a concrete proposal. Contracting Parties to both Agreements were invited to clarify, for the next GRPE session in June 2006, their preference on this subject. GPRE agreed with the Chairman's suggestion to insert a new agenda item dealing with the transposition of the new test cycles (i.e. WHDC, OCE and WWH-OBD).

10. GRPE underlined the importance of the WHDC gtr and agreed to have, at its next session in June 2006, a final review on the test cycle on the basis of an official document. The Chairman of GRPE suggested that the WHDC group should meet again in Geneva, prior to the fifty-second GRPE session (para. 54 below).

#### 1.2. Off-Cycle Emissions (OCE)

Documentation: Informal documents Nos. GRPE-51-1 and GRPE-51-2 of Annex 1 to this report.

11. The Chairman of the OCE informal group, Mr. W. Charmley (United States of America), reported on the progress of work made by the group during the latest meetings in Geneva (GRPE-51-1 and GRPE-51-2). He informed GRPE that, after the conclusion of the informal meeting held prior to the proper GRPE session (see para. 7), some issues remained open and should be addressed at a further meeting. GRPE noted that the OCE informal group would meet again in Zoetermeer (Netherlands), on 5-7 April 2006.

12. GRPE acknowledged the work done and agreed that the OCE group should also meet in Geneva, prior to the next GRPE session in June 2006 (para. 54 below).

#### 1.3. World-Wide Harmonized Heavy-Duty OBD group (WWH-OBD)

Documentation: ECE/TRANS/WP.29/GRPE/2006/9; informal documents Nos. GRPE-51-3, GRPE-51-11, GRPE-51-12, GRPE-51-15 and GRPE-51-16 of Annex 1 to this report.

13. GRPE noted the progress report and the further work to complete the draft gtr on WWH-OBD (GRPE-51-3). Mr. K. Narusawa (Japan), chairing the WWH-OBD informal group, reported on the results of the recent meetings held in Chicago and Ann Arbor (United States of America). He informed GRPE about the progress made by the group at its meeting (para. 4 above) prior to the GRPE session (GRPE-51-15). Referring to the present text of the draft gtr on WWH-OBD (ECE/TRANS/WP.29/GRPE/2006/9), Mr. Narusawa invited all experts to send him, not later than 10 February 2006, their comments on the remaining open issues (as marked in GRPE-51-16). He announced a possible delay for the conclusion of the final text due to difficulties with the publication of the related ISO standard and the limited access to the necessary data. The expert from ISO confirmed that his organization would undertake all possible steps to speed up the process of publication.

14. The expert from CLEPA introduced GRPE-51-11 and GRPE-51-12 proposing an unrestricted and standardized access to the technical information in order to assure the

development and availability of OBD compatible replacement components. GRPE urged the informal group to find an appropriate solution to limit the risk for a delay.

15. The Chairman concluded that the provisions for the transposition of the gtr was under the responsibility of the Contracting Parties to the Agreement and could be inserted either into the Generic Module A only or also into Modules B and C. He stated his intention to inform WP.29 and AC.3 about those options and the delay for the submission by GRPE of both gtrs on WHDC and WWH-OBD, for consideration at their sessions in November 2006. He suggested that the informal group should have a final review of the draft gtr on WWH-OBD and, for that purpose, the group should meet prior to the June 2006 session (para. 54 below).

#### 1.4. Amendments to Regulation No. 49

Documentation: Informal document No. GRPE-51-10 of Annex 1 to this report.

16. The expert from the Russian Federation introduced a proposal for draft amendments to Regulation No. 49 (GRPE-51-10). The expert from the EC volunteered to take these corrections into account when preparing the next amendments to the Regulation.

## 2. PARTICULATE MEASUREMENT PROGRAMME (PMP)

17. The Chairman of the PMP informal group, Mr. C. Parkin (United Kingdom), informed GRPE about the results of the meeting prior to the GRPE session (para. 3). He reported on the interim results of the PMP inter-laboratory exercise for light-duty vehicles, still in progress. He stated that the correlation programme was delayed due to transport difficulties and damage to the test equipment. He expected that the exercise would be concluded by May 2006. He announced that he would report on the final results at the next session of GRPE.

18. Mr. Parkin also informed GRPE about the PMP informal group's decision to accomplish first the light-duty inter-laboratory exercise before starting that for heavy-duty vehicles. He stated that 10 laboratories were interested to participate in that exercise and that a kick-off meeting was scheduled for autumn 2006 and that the tests could be performed in 2007 and 2008. However, he raised the need to find still a sponsor for the sourcing for an appropriate test engine (golden engine).

19. Regarding the validation of the PMP measurement procedure, the expert from OICA preferred not to proceed with a golden system, but with a Round Robin test programme. He announced that OICA would be willing to offer an appropriate heavy-duty engine for such Round Robin tests. The expert from the EC underlined the importance and usefulness of the golden system for the light-duty vehicles and recommended to apply the same procedure for heavy-duty vehicles.

20. GRPE agreed to resume consideration of this subject at its next session in June 2006 and to take a final decision on the test programme for heavy-duty vehicles. The GRPE Chairman suggested that the group should meet again prior to the next GRPE session (para. 54 below) in order to discuss the final results of the inter-laboratory exercise for light-duty vehicles.

3. WORLDWIDE MOTORCYCLE EMISSION TEST CYCLE (WMTC)

21. Recalling the establishment into the Global Registry of the gtr on WMTC, Mr. C. Albus (Germany), chairing the WMTC working group, informed GRPE about the ongoing work regarding the second phase of the further development of gtr No. 2. He expected to receive in near future detailed reports from India and IMMA as a basis for further discussions in the fundamental element group. Interested experts were invited to contact the Secretary of the informal group (erwin.segers@honda-eu.com). The expert from India invited all GRPE experts to participate in the next WMTC informal meeting, scheduled to be held at ARAI in Pune (India), at the beginning of May 2006, subject to confirmation by his Government.

22. GRPE agreed to resume consideration of this subject at its next session in June 2006.

4. EXHAUST EMISSION TEST PROTOCOL OF NON-ROAD MOBILE MACHINERY (NRMM)

Documentation: Informal document No. GRPE-51-5 of Annex 1 to this report.

23. The Chairman of the NRMM informal group, Mr. G. De Santi (EC-JRC), reported on the progress of work made by the group during the last meeting in Ann Arbor (GRPE-51-5) and in Geneva prior to the GRPE session (see para. 5). He informed GRPE about the group's intention to present the draft gtr in the June 2006 session of GRPE on the basis of an informal document. He announced that the NRMM group would meet again in Ispra (Italy), on April 2006.

24. The Chairman of GRPE suggested that the group should also meet prior to the next GRPE session in June 2006 (para. 54 below).

5. AMENDMENTS TO UNECE REGULATIONS

5.1. Regulation No. 67 (Equipment for liquefied petroleum gas vehicles)

Documentation: Informal document No. GRPE-50-8 of Annex 1 to this report.

25. The expert from India recalled the purpose of GRPE-50-8 (distributed at the previous GRPE session) proposing a number of 50,000 operation cycles for the endurance test of the pressure regulator and vaporizer. The experts from Italy, the Netherlands and AEGPL raised their studies reservations. GRPE agreed to resume consideration of the document at its next session in June 2006.

5.2. Regulation No. 83 (Emissions of M1 and N1 categories of vehicles)

Documentation: TRANS/WP.29/GRPE/2005/3; ECE/TRANS/WP.29/GRPE/2005/10/Rev.1.

26. Referring to ECE/TRANS/WP.29/GRPE/2005/10/Rev.1, the expert from the Netherlands informed GRPE about the results of the ad hoc working group's meeting in Brussels regarding the simplification of the requirements for bi-fuelled gas vehicles that fulfil all the primary goals of on-board diagnostic (OBD) systems.

27. GRPE acknowledged the work done by that group and adopted the document. The secretariat was requested to submit the document, unamended, to WP.29 and AC.1 for consideration at their June 2006 sessions, as draft Supplement 6 to the 05 series of amendments to Regulation No. 83.

28. Regarding new provisions to allow special gear shifting strategies with the help of a technical gearshift instrument, the expert from Germany recalled the purpose of TRANS/WP.29/GRPE/2005/3 and suggested postponing consideration to the next session awaiting the position of the European Commission. The expert from France underlined the importance of this subject and proposed to make progress on this issue. Following the discussion, the experts from France and Germany volunteered to jointly prepare a new proposal for consideration at the next GRPE session in June 2006. GRPE experts were invited to send them, in due time, their comments on that subject.

5.3. Regulation No. 96 (Diesel emissions of agricultural tractors)

Documentation: ECE/TRANS/WP.29/GRPE/2006/7.

29. The expert from EUROMOT introduced ECE/TRANS/WP.29/GRPE/2006/7, proposing the alignment of the provisions in the Regulation with those of the corresponding EU Directives. The expert from Italy requested to insert into the proposal new provisions for constant speed engines.

30. GRPE agreed to resume consideration of this subject at its next session in June 2006 on the basis of a revised proposal by EUROMOT.

5.4. Regulation No. 110 (Specific components for CNG)

Documentation: TRANS/WP.29/GRPE/2005/4; ECE/TRANS/WP.29/GRPE/2006/6; informal documents Nos. GRPE-50-9 and GRPE-51-13 of Annex 1 to this report.

31. In the absence of a new proposal on multiple cylinder installation, GRPE agreed to take TRANS/WP.29/GRPE/2005/4 off its agenda.

32. The expert from India introduced GRPE-50-9 (distributed at the previous GRPE session) regarding the clarification of the applicability of different tests for specific CNG components. The experts from Italy and the Netherlands raised their study reservations. GRPE agreed to resume consideration at its next session and requested the secretariat to distribute the document with an official symbol (see ECE/TRANS/WP.29/GRPE/2006/11).

33. The expert from ENGVA introduced ECE/TRANS/WP.29/GRPE/2006/6 and GRPE-50-13 proposing the harmonization of fuel connectors. The experts from Italy and OICA preferred to insert into the proposal a figure of the refuelling connector including the dimensions. GRPE invited ENGVA to prepare a revised proposal and agreed to have a final review at the next session in June 2006.

5.5. Regulation No. 115 (Specific LPG and CNG retrofit systems)

Documentation: ECE/TRANS/WP.29/GRPE/2006/2; ECE/TRANS/WP.29/GRPE/2006/4; informal documents Nos. GRPE-50-10 and GRPE-51-9 of Annex 1 to this report.

34. The expert from AEGPL introduced ECE/TRANS/WP.29/GRPE/2006/2 proposing some corrections to the current text of the Regulation. GRPE adopted the document, not amended, and requested the secretariat to submit it, as draft Corrigendum 2 to Regulation No. 115, for consideration to WP.29 and AC.1 at their June 2006 sessions.

35. The expert from the Russian Federation presented ECE/TRANS/WP.29/GRPE/2006/4 proposing amendments to the scope of the Regulation and the insertion of a definition for "retrofit system". Referring to GRPE-51-9, the expert from AEGPL raised his concerns on the Russian proposal. Following the discussion, GRPE agreed to keep the current text of the Regulation and to remove both documents from its agenda.

36. The expert from India introduced GRPE-50-10 (distributed at the previous session) concerning the inclusion of 3 wheelers into the scope of the Regulation and to amend the definitions of "mono-fuelled vehicles" and "member of family". GRPE noted a number of study reservations and agreed to resume consideration of this subject at its next session in June 2006.

6. HYDROGEN AND FUEL CELL VEHICLES – SUBGROUP ENVIRONMENT (HFCV-SGE)

37. The expert from Germany, Mr. Ch. Albus (Germany), reported on the decision of WP.29/AC.3 (report TRANS/WP.29/1041, para. 104) to restructure the HFCV group. Thus, WP.29/AC.3 had approved the concept of two subgroups coordinated by a Project Manager (WP.29-136-24) – an environmental subgroup (SGE) under GRPE and a safety subgroup (SGS) under GRSP. It has been agreed that the Project Manager would report directly to AC.3.

38. M. Albus, HFCV Project Manager, informed GRPE about the outcome of the first SGS meeting held in Japan in October 2005 (WP.29-137-13-Rev.1). He also reported on the progress of work made by the SGE group during the meeting in Geneva prior to the GRPE session (see para. 2). He added that a small drafting group would prepare a working paper, as a basis for further discussions by the SGE group. M. Albus volunteered to ensure the transparency and efficient work of both subgroups.

39. GRPE acknowledged that commitment and agreed to resume consideration at its next session in June 2006. The Chairman of GRPE invited all experts to consult, prior to each GRPE session, their national representative of WP.29 in order to coordinate their positions.

7. ENVIRONMENTALLY FRIENDLY VEHICLES (EFVs)

40. With regard to next-generation environmentally friendly vehicles (EFV), the expert from the United Kingdom reported on the International EFV Conference held in his country on 10 and 11 November 2005. GRPE noted that the conclusions and the main presentations were available at the Conference website at: <http://livegroup.co.uk/efvc/>. The expert from



Germany announced that his Government would host the next EFV Conference in 2007. He volunteered to keep GRPE informed about further details at the next session in June 2006.

41. The GRPE Chairman thanked the United Kingdom for the organization of the EFV Conference in Birmingham. He welcomed the initiative by Germany and suggested to resume its consideration at the next GRPE session.

8. EXCHANGE OF INFORMATION ON NATIONAL AND INTERNATIONAL REQUIREMENTS ON EMISSIONS

42. The expert from South Africa informed GRPE about the recent publication of new national fuel quality requirements for vehicles in South Africa.

43. The EC expert reported on the adoption of EU Directives 2005/55/EC and 2005/78/EC concerning the new requirements for heavy-duty vehicles with regard to durability, in-use compliance and OBD systems.

44. The expert from the Russian Federation announced that, in April 2006, new national emissions' requirements for motor vehicles would enter into force in his country.

9. 1997 AGREEMENT (INSPECTIONS)

9.1. Rule No. 1

Documentation: ECE/TRANS/WP.29/GRPE/2006/3; informal document No. GRPE-51-14 of Annex 1 to this report.

45. The expert from the Netherlands introduced ECE/TRANS/WP.29/GRPE/2006/3 and GRPE-51-4 proposing amendments to Rule No. 1 in order to align its provisions to those of the EU Directive 96/96/EC, as amended.

46. GRPE adopted ECE/TRANS/WP.29/GRPE/2006/3 with the amendments as reproduced in Annex 2 to this report. The secretariat was requested to submit the document, as amended, to WP.29 and AC.4 as draft Revision 1 to Rule No. 1 to the 1997 Agreement, for consideration at their June 2006 sessions.

47. GRPE welcomed the information by the expert from the EC about the current status of the EU internal procedure regarding the accession of the European Community to the 1997 Agreement.

10. CONSIDERATION ON COMMON DEFINITIONS

10.1. Clarification of the scopes of Regulations on pollution and energy

Documentation: ECE/TRANS/WP.29/GRPE/2006/5.

48. The expert from the EC introduced ECE/TRANS/WP.29/GRPE/2006/5 proposing amendments to clarify the scopes of Regulations Nos. 24, 49, 67, 83 and 110. Regarding the

proposal of Regulation No. 24, the expert from Italy requested to exclude vehicles of category T and mobile machinery from the scope. The expert from Switzerland preferred to maintain category T vehicles in the scope. GRPE adopted the document with the following amendments to paragraphs 1.1.1 to 1.1.3. of Regulation No. 24:

- "1.1.1. PART I. The emission of visible exhaust pollutants from C.I. engines which are intended for fitting to **vehicles of categories L, M and N**.
- 1.1.2. PART II. The installation into **vehicles of categories L, M and N** of C.I. engines that have been type approved to Part I of this Regulation.
- 1.1.3. PART III. The emission of visible exhaust pollutants from a **vehicle of categories L, M and N** that is fitted with an engine that has not been separately type approved to Part I of this Regulation."

49. The secretariat was requested to submit the document, as amended above, to WP.29 and AC.1 for consideration at their June 2006 sessions, as draft Supplement 3 to the 03 series of amendments to Regulation No. 24, as draft Supplement 1 to the 04 series of amendments to Regulation No. 49, as draft Supplement 7 to the 01 series of amendments to Regulation No. 67, as a part (see para. 27 above) of draft Supplement 6 to the 05 series of amendments to Regulation No. 83 and as draft Supplement 5 to Regulation No. 110.

## 12. OTHER BUSINESS

### 12.1. Guidelines for the preparation and submission of documents and guidelines for transitional provisions in Regulations

Documentation: TRANS/WP.29/1042; TRANS/WP.29/1044.

50. GRRF noted two new documents adopted by WP.29 during its June session: (a) Guidelines for the preparation and submission of documents to WP.29 and its subsidiary bodies (TRANS/WP.29/1042) and (b) Guidelines for the elaboration of transitional provisions (TRANS/WP.29/1044). Both documents are available on the website of WP.29 at the address:  
<http://www.unece.org/trans/main/welcwp29.htm>

51. Experts were invited to consult those documents when preparing new documents for transmission to the secretariat.

### 12.2. Regulation No. 101 (CO<sub>2</sub> emissions and fuel consumption)

Documentation: Informal document No. GRPE-51-4 of Annex 1 to this report.

52. The expert from Switzerland proposed to correct in the current text of Regulation No. 101 the reference density used for natural gas (GRPE-51-4). The expert from ENGVA raised his study reservation. GRPE agreed to resume consideration of this subject at its next session and requested the secretariat to distribute GRPE-51-4 with an official symbol (see ECE/TRANS/WP.29/GRPE/2006/12).

12.3. Regulation No. 92 (Replacement exhaust silencing systems - RESS)

Documentation: TRANS/WP.29/2005/104.

53. Upon the request of WP.29, GRPE considered a proposal by GRB (TRANS/WP.29/2005/104) regarding draft amendments to Regulation No. 92 in order to ensure that the replacement silencing systems should fulfil not only the requirements for the noise level, but also those for the emissions of gaseous pollutants laid down in Regulation No. 40. As no objection was raised, GRPE agreed to submit the proposal back to WP.29 for adoption by AC.1.

AGENDA FOR THE NEXT SESSION

54. For its fifty-second session to be held in Geneva, Palais des Nations, GRPE decided to start on Tuesday, 6 June 2006, 09.30h until Friday, 9 June 2006, 17.30h. For that purpose, the secretariat suggested the following agenda:

(a) Informal meeting of the GRPE working group on the emissions of non-road mobile machinery (NRMM)

To be held on Tuesday morning, 6 June 2006, from 9.30h till 12.30h. The agenda of the meeting will be prepared by the NRMM secretariat and distributed to the members of the group prior to the meeting. Note by the secretariat: This meeting will be held without interpretation.

(b) Informal meeting of the GRPE working group on Off-Cycle Emissions (OCE)

To be held on Tuesday afternoon, 6 June 2006, from 14.30 h till 12.30 h. The agenda of the meeting will be prepared by the OCE secretariat and distributed to the members of the group prior to the meeting.

(c) Informal meeting of the GRPE working group on world-wide harmonized heavy-duty certification procedure (WHDC)

To be held on Wednesday morning, 7 June 2006, from 9.30h till 12.30h. The agenda of the meeting will be prepared by the WHDC secretariat and distributed to the members of the group prior to the meeting.

(d) Informal meeting of the GRPE working group on world-wide harmonized heavy-duty on-board diagnostics (WWH-OBD)

To be held on Wednesday afternoon, 7 June 2006, from 14.30h till 17.30h. The agenda of the meeting will be prepared by the WWH-OBD group secretariat and distributed to the members of the group prior to the meeting.

(e) Fifty-second session of the GRPE proper

To be held Thursday, 8 June 2006, from 09.30h to Friday, 9 June 2006, until 12.30h 2/:

1. Regulation No. 49 (Emissions of C.I., NG, and P.I. (LPG) engines)
  - 1.1. World-wide heavy-duty certification procedure (WHDC)
  - 1.2. Off-Cycle Emissions (OCE)
  - 1.3. On-board diagnostics for heavy-duty vehicles (WWH-OBD)
  - 1.4. Transposition of gtrs into UNECE Regulation No. 49
2. Particle Measurement Programme (PMP)
3. Development of a worldwide motorcycle emission test cycle (WMTC)
4. Exhaust emissions test protocol of Non-Road Mobile Machinery (NRMM)
5. Amendments to UNECE Regulations
  - 5.1. Regulation No. 67 (Equipment for liquefied petroleum gas)
  - 5.2. Regulation No. 83 (Emissions of M1 and N1 categories of vehicles)
  - 5.3. Regulation No. 96 (Diesel emissions of agricultural tractors)
  - 5.4. Regulation No. 101 (CO2 emissions and fuel consumption)
  - 5.5. Regulation No. 110 (Specific components for CNG)
  - 5.6. Regulation No. 115 (Specific LPG and CNG retrofit systems)
6. Hydrogen and Fuel Cell Vehicles – Subgroup Environment (HFCV-SGE)
7. Environmentally Friendly Vehicles (EFV)
8. Exchange of information on national and international requirements on emissions 3/
9. 1997 Agreement (Periodical technical inspections)
10. Other business

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2/ As part of the secretariat's efforts to reduce expenditure, all the official documents distributed by mail prior to the session as well as the informal documents placed on the UNECE WP.29 website, 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. (The WP.29 website address is: <http://www.unece.org/trans/main/welcwp29.htm> select GRPE and find "working documents" as well as "informal documents").

For the translation of the above-mentioned official documents, delegates can now access the new public Official Document System (ODS) at the website address: <http://documents.un.org>

3/ Delegations are invited to submit brief written statements on the latest status in national requirements and, if necessary, to supplement this information orally.

(f) Informal meeting of the GRPE Particle Measurement Programme (PMP)

To be held on Friday afternoon, 9 June 2006, from 14.30h till 17.30h. The agenda of the meeting will be prepared by the PMP group secretariat and distributed to the members of the group prior to the meeting. Note by the secretariat: This meeting will be held without interpretation.

Annex 1

LIST OF INFORMAL DOCUMENTS (GRPE-51-...)  
DISTRIBUTED WITHOUT AN OFFICIAL SYMBOL DURING THE SESSION

No.	Transmitted by	Agenda item	Language	Title	Follow-up
1.	USA/OCE	1.2.	E	Ninth plenary meeting of the working group on Off-Cycle Emissions, 11 and 12 January 2005, Geneva	(a)
2.	USA/OCE	1.2.	E	Tenth plenary meeting of the working group on Off-Cycle Emissions, 31 May 2005, Geneva	(a)
3.	Japan/ WWH-OBD	1.3.	E	Progress report and further work to complete the draft gtr on WWH-OBD	(a)
4.	Switzerland	11.2.	E	Proposal for a draft Corrigendum to Regulation No. 101	(c)
5.	EC/JRC	4.	E	GRPE/NRMM: Minutes of the meeting at US-EPA, NVFEL, Ann Arbor (USA), 29 and 30 September 2005	(a)
6.	WHDC	1.1.	E	Report from the meeting of the WHDC Editorial Committee, Chicago, 16 September 2005	(a)
7.	EC/WHDC	1.1.	E	Progress report and further work to complete the draft gtr on WHDC	(a)
8.	OICA	1.1.	E	Draft gtr on World-wide Heavy-Duty Certification (WHDC): OICA comment	(a)
9.	AEGPL	5.5.	E	Observations to ECE/TRANS/WP.29/GRPE/2006/4	(a)
10.	Russian Federation	1.	E/R	Proposal for a Corrigendum to Regulation No. 49, including 03 and 04 series of amendments	(a)
11.	CLEPA	1.3.	E	CLEPA comments on WWH-OBD, Generic Module B (ECE/TRANS/WP.29/GRPE/2006/8)	(a)
12.	CLEPA	1.3.	E	CLEPA comments on WWH-OBD, Module C (ECE/TRANS/WP.29/GRPE/2006/8)	(a)
13.	ENGVA	5.4.	E	Proposal for draft amendments to Regulation No. 110	(a)
14.	WHDC	9.1.	E	Proposal for draft Revision 1 to Rule No. 1, (1997 Agreement)	(a)
15.	WWH-OBD	1.3.	E	WWH-OBD Status report (51st session of GRPE)	(a)

No.	Transmitted by	Agenda item	Language	Title	Follow -up
16.	WWH-OBD	1.3.	E	Modified document 2006-08 for consideration by GRPE experts by 10 February 2006	(a)

Reconsideration of informal documents from the previous session of GRPE  
(referring to the agenda item of the current session)

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8.	India	5.1.	E	Proposed amendment to ECE Regulation No. 67	(b)
9.	India	5.4.	E	Proposed amendment to ECE Regulation No. 110	(c)
10.	India	5.5.	E	Proposed amendment to ECE Regulation No. 115	(b)

Notes:

- (a) Consideration completed or to be superseded
- (b) Continue consideration at the next session as an informal document
- (c) Continue consideration at the next session as an official working document

Annex 2

ADOPTED AMENDMENTS TO ECE/TRANS/WP.29/GRPE/2006/3  
(see paragraph 46. of this report)

Paragraph 2.2., amend to read:

"2.2. "International Technical Inspection Certificate" means a certificate about the periodical technical inspections of wheeled vehicles in compliance with the provisions of Article 1 and Appendix 2 of this Agreement;"

Paragraph 2.3., amend to read:

"2.3. "Periodical Technical Inspection" means a periodical uniform procedure by which the authorized technical Inspection Centres responsible for conducting the inspection tests verify that the wheeled vehicle submitted complies with at least the requirements of this Rule;"

Paragraph 6., amend to read:

"6. NAMES AND ADDRESSES

The Contracting Parties to the Agreement applying this Rule shall communicate to the United Nations Secretariat basic information on administrative authorities responsible for supervising the inspection tests."

Annex, paragraph 3.1.2., amend the title to read "Vehicles with compression ignition engines"

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