



**Economic and Social
Council**

Distr.
GENERAL

TRANS/WP.29/GRPE/48
30 June 2004

Original: ENGLISH

ECONOMIC COMMISSION FOR EUROPE

INLAND TRANSPORT COMMITTEE

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 FORTY-EIGHTH SESSION 1/

(1 – 4 June 2004)

ATTENDANCE

1. GRPE held its forty-eighth session from 1 to 4 June 2004, 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): Australia; Canada; Czech Republic; Denmark; Finland; France; Germany; Hungary; Japan; Netherlands; Norway; Poland; Republic of South Africa; Russian Federation; Serbia and Montenegro; Spain; Sweden; Switzerland; 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); Association for Emissions Control by Catalyst (AECC/CEFIC); European Natural Gas Vehicle Association (ENGVA); European LPG Association (AEGPL); Federation of European Motorcyclists' Association (FEMA); European Committee of Associations of Manufacturers of Agricultural Machinery (CEMA). Experts from the Engine Manufacturers Association (EMA) and the European Garage Equipment Association (EGEA) participated at the invitation of the secretariat.

1/ Following the agreement reached at the forty-seventh GRPE session, five informal meetings were held adjacent to the proper session of the forty-eighth GRPE (TRANS/WP.29/GRPE/2004/6 and Add.1, and paras. 2 to 6 below).

2. The thirteenth informal meeting of the GRPE Particle Measurement Programme (PMP) working group was held on 1 June 2004 (morning only) under the Chairmanship of Mr. M. Dunne (United Kingdom). Experts from the following countries and organizations participated in the work: Australia; Canada; Czech Republic; Finland; France; Germany; Hungary; Japan; Netherlands; Poland; Republic of South Africa; Russian Federation; Serbia and Montenegro; Sweden; Switzerland; United Kingdom; United States of America; European Commission (EC); International Organization of Motor Vehicle Manufacturers (OICA); European Association of Automobile Suppliers (CLEPA); Association for Emissions Control by Catalyst (AECC/CEFIC); Engine Manufacturers Association (EMA). A summary of the proceedings of this informal meeting is given below (paras. 13 and 16).

3. The seventh informal meeting of the GRPE working group on Off-Cycle emissions (Off-Cycle), was held on 1 June 2004 (afternoon only), under the Chairmanship of Ms. M. Delaney (USA). Experts from the following countries and organizations participated in the work: Canada; Czech Republic; Finland; France; Germany; Hungary; Japan; Netherlands; Norway; Poland; Republic of South Africa; Russian Federation; Sweden; United Kingdom; United States of America; European Commission (EC); International Organization of Motor Vehicle Manufacturers (OICA); Association for Emissions Control by Catalyst (AECC/CEFIC); Engine Manufacturers Association (EMA); European Garage Equipment Association (EGEA). A summary of the proceedings of this informal meeting is given below (paras. 9 and 10).

4. The ninth informal meeting of the GRPE working group on World-Wide harmonized Heavy-duty vehicle On-Board Diagnostics (WWH-OBD) was held on 2 June 2004 (morning only), under the chairmanship of Mr. M. Odaka (Japan). Experts from the following countries and organizations participated in the work: Canada; Czech Republic; Finland; France; Germany; Hungary; Japan; Netherlands; Norway; Poland; Republic of South Africa; Russian Federation; Serbia and Montenegro; Sweden; United Kingdom; United States of America; European Commission (EC); International Organization for Standardization (ISO); International Organization of Motor Vehicle Manufacturers (OICA); Association for Emissions Control by Catalyst (AECC/CEFIC); Engine Manufacturers Association (EMA). A summary of the proceedings of this informal meeting is given below (paras. 11 and 12).

5. The tenth informal meeting of the GRPE working group on Hydrogen and Fuel Cell Vehicles (HFCV) was held on 2 June 2004 (afternoon only), under the Chairmanship of Mr. C. Albus (Germany). Experts from the following countries and organizations participated in the work: Canada; Czech Republic; Finland; France; Germany; Hungary; Japan; Netherlands; Norway; Poland; Republic of South Africa; Russian Federation; Serbia and Montenegro; Sweden; United Kingdom; United States of America; European Commission (EC); International Organization for Standardization (ISO); International Organization of Motor Vehicle Manufacturers (OICA); Association for Emissions Control by Catalyst (AECC/CEFIC). A summary of the proceedings of this informal meeting is given below (paras. 33-35).

6. The fifth informal meeting of the GRPE working group on the emissions from Non-Road Mobile Machinery (NRMM) was held on 4 June 2004 (after the proper GRPE session), under the Chairmanship of Mr. G. De Santi (European Commission). Experts from the following countries and organizations participated in the work: Canada; Finland; France; Germany; Hungary; Japan; Netherlands; Poland; Republic of South Africa; Serbia and Montenegro; Sweden; United Kingdom; United States of America; European Commission (EC);

International Organization of Motor Vehicle Manufacturers (OICA); Association for Emissions Control by Catalyst (AECC/CEFIC). A summary of the proceedings of this informal meeting is given below (paras. 20 and 21).

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

(a) World-wide Heavy-Duty Certification procedure (WHDC)

Documentation: Informal document No. GRPE-48-7 of the annex to this report.

7. The Secretary of the WHDC informal group, Mr. J. Stein (OICA) informed GRPE about the status of the group's work. He introduced informal document No. GRPE-48-7 proposing the draft proposal for the global technical regulation (gtr) on the worldwide harmonized heavy duty emissions certification procedure. That document covers the general technical contents of the gtr procedure, as approved by the forty-seventh GRPE. The group endorsed Mr. Stein's suggestion to establish a WHDC drafting committee to finalize the technical details. The expert from the European Commission (technical sponsor of the gtr) requested all interested GRPE experts to join the WHDC drafting Committee. The secretariat informed GRPE about the adoption by the Executive Committee (AC.3) at its March 2004 session of the formal proposal (TRANS/WP.29/AC.3/8) to develop a gtr on the world-wide heavy-duty certification procedure (TRANS/WP.29/992, para. 96).

8. Recalling the decision of AC.3 to consider, as a first step, the test cycles without limit values (technical issue) and to introduce the limit values (political issue) as a second step, the GRPE Chairman suggested informing WP.29 and AC.3 about the progress of work. GRPE agreed to resume consideration at its next session on the basis of the final draft gtr (without limit values).

(b) Off-Cycle Emissions (OCE)

Documentation: Informal documents Nos. GRPE-48-3 and GRPE-48-18 of the annex to this report.

9. The Chairperson of the OCE group, Ms. M. Delaney (United States of America) introduced informal documents Nos. GRPE-48-3 and GRPE-48-18 on the minutes of the fifth and sixth informal meetings (held in Windsor/Canada, on 11 September 2003 and in London, on 22 March 2004). GRPE was briefed about the results of the draft definitions as well as the specific operating conditions of emission control systems, as considered during the seventh informal meeting of the OCE group, in the afternoon of 1 June 2004 (para. 3 above). She reported the group's decision on the timeline of the elaboration of the gtr. OCE intends to hold its next informal meeting September 2004 in Chicago (United States of America), in conjunction with the WWH-OBD informal group.

10. The Chairman of GRPE suggested that the OCE group should also meet again in Geneva, prior to the next GRPE session in January 2005 (para. 44 below).

(c) World-Wide Harmonized Heavy-Duty OBD group (WWH-OBD)

11. The Chairman of the WWH-OBD informal group, Mr. M. Odaka (Japan) presented to GRPE the results of the ninth meeting held prior to the GRPE session, in the morning of 2 June 2004 (para. 4 above). The group focused on gathering material for the elaboration of the test procedure. WWH-OBD intends to present an acceptable proposal at the next GRPE session. Following the request of WP.29 and AC.3 concerning the insertion of technologies other than the emission controls (TRANS/WP.29/953, para. 148), the group had restructured the draft proposal for a gtr. Thus, concerning the possible insertion of generic provisions from other Working Parties, he raised the group's search for advice regarding the cooperation of the WWH-OBD informal group and the subsidiary bodies of WP.29. He announced the group's intention to meet again, in conjunction with the OCE informal group (see para. 9 above) on 22 and 23 September 2004 in Chicago (United States of America), and on 17 to 19 November 2004 in Tokyo (Japan). The working papers of the WWH-OBD group could be consulted and downloaded from the OICA website at the following address: <http://www.oica.net/htdocs/main.htm>.

12. GRPE agreed on the need to develop OBD systems performing both the wired and wireless data exchange with other control devices. The Chairman of GRPE intends to report on the progress of work made by the group to WP.29 and AC.3 at their June 2004 sessions. He would seek the cooperation of the Chairpersons of the other Working Parties regarding generic provisions for OBD systems. He suggested that the WWH-OBD should meet prior to the forty-ninth GRPE session in Geneva (see para. 44 below). The expert from ISO was invited to develop a standard regarding the wired and wireless data exchange of the OBD systems.

PARTICULATE MEASUREMENT PROGRAMME (PMP)

Documentation: Informal documents Nos. GRPE-48-9 and GRPE-48-11-Rev.1 of the annex to this report.

13. The Chairman of the PMP informal group, Mr. M. Dunne (United Kingdom) reported on progress made during the meeting held on 1 June 2004 (para. 2 above) preceding the GRPE session. He briefed GRPE that PMP had finalized the Light-Duty particulate mass and number count test procedures (informal document No. GRPE-48-11-Rev.1). Despite a broad agreement between the Government participants and OICA on the mass procedure, a few issues remained (indicated in footnotes). No further revision was proposed pending completion of the inter-laboratory correlation exercise. OICA restated its fundamental opposition to the number-count procedure, but had usefully contributed to the text presented (informal document No. GRPE-48-9).

14. The expert from the European Commission confirmed that the Joint Research Centre (JRC) was prepared to start the inter-laboratory programme. She invited candidate laboratories to participate. Interest had already been received from European and Japanese laboratories. She expressed her hope to start the work by autumn 2004, with results being available for the next GRPE session in January 2005.

15. Mr. Dunne also reported on the progress made on the Heavy-Duty procedure. This procedure had been restructured and updated in order to align, as far as possible, with the light-duty document. During the PMP meeting, the remaining issues were reviewed. A revised document will be issued during summer 2004. As with the Light Duty document, any further

revisions will be made until the conclusion of a similar inter-laboratory correlation exercise, possibly by end 2005. Mr. Dunne concluded that the United Kingdom had initiated the elaboration of a calibration protocol to a traceable standard for use with the number-count protocol that would probably be available by autumn 2004.

16. The GRPE Chairman suggested that the group should meet again before the forty-ninth GRPE session (para. 44 below). GRPE agreed to resume consideration of this subject at its next session.

DEVELOPMENT OF A WORLDWIDE MOTORCYCLE EMISSION TEST CYCLE (WMTC)

Documentation: TRANS/WP.29/GRPE/2004/10; TRANS/WP.29/GRPE/2004/11; Informal document No. GRPE-48-14 of the annex to this report.

17. The Chairman of the WMTC working group, Mr. C. Albus (Germany) reported on the present status of work of the WMTC. Referring to the technical report by WMTC (TRANS/WP.29/GRPE/2004/10), the expert from Germany introduced document TRANS/WP.29/GRPE/2004/11 and gave a presentation on the proposal for a draft global technical regulation on the measurement procedure of motorcycles for the emission of gaseous pollutants, CO₂ emissions and fuel consumption by the engine. GRPE adopted the document, not amended, and requested the secretariat to submit it, as a proposal for new gtr, for consideration to WP.29 and AC.3 at their November 2004 sessions. The elaboration of the technical provisions being concluded, GRPE agreed that WMTC should continue its work on Revision 1 to the document inserting emission limit values and the cost-benefit analysis. GRPE agreed that WMTC should meet again at the end of this year and to report the results to GRPE at its January 2005 session.

18. The expert from IMMA introduced informal document No. GRPE-48-14 listing some amendments and corrections to the text of TRANS/WP.29/GRPE/2004/11. GRPE agreed to refer this document to WMTC working group for consideration and inclusion into the Revision 1 to TRANS/WP.29/GRPE/2004/11.

19. The Chairman of GRPE stated his intention to report to AC.3 on the adoption of the draft gtr. GRPE agreed to resume consideration of this subject at the next session of GRPE.

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

Documentation: Informal document No. GRPE-48-4 of the annex to this report.

20. The NRMM Chairman, Mr. G. de Santi (European Commission), reported on the results of the meeting in Ispra (Italy) on 20 April 2004 (informal document No. GRPE-48-4). Recalling the progress made by the NRMM working group on the elaboration of a gtr on the exhaust-emissions of non-road mobile machinery, he announced that the group would meet again on 4 June 2004 (Geneva) and on 27-29 September 2004 in Ann Arbor (United States of America).

21. The Chairman of GRPE suggested that the group should also meet prior to the forty-ninth GRPE session in January 2005 (para. 44 below).

AMENDMENTS TO ECE REGULATIONS

(a) Regulation No. 67 (Equipment for liquefied vehicles)

Documentation: TRANS/WP.29/GRPE/2004/7; informal documents Nos. GRPE-48-1 and GRPE-48-12 of the annex to this report.

22. The expert from the Netherlands introduced TRANS/WP.29/GRPE/2004/7, proposing amendments to the Regulation in order to improve the bonfire test requirements. He also introduced informal document No. GRPE-48-12 providing an explicit justification for those amendments including detailed test results.

23. GRPE agreed on the following amendment to TRANS/WP.29/GRPE/2004/7:

Paragraph 2.6.5., amend to read:

"2.6.5. General requirements

...

(d) **The severity of the test conditions shall not be mitigated by ambient conditions (e.g. rain, moderate/high wind etc.)."**

24. GRPE adopted the document, as amended in para. 23 above, and requested the secretariat to submit it, as a proposal for draft Supplement 5 to the 01 series of amendments to Regulation No. 67, for consideration to WP.29 and AC.1 at their November 2004 sessions.

25. As Belarus was not represented, GRPE agreed to postpone to the next session its consideration of the proposal for draft amendments to Regulation No. 67. For that purpose, the secretariat was requested to distribute informal document No. GRPE-48-1 with an official symbol (note by the secretariat: see TRANS/WP.29/GRPE/2005/2).

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

Documentation: TRANS/WP.29/GRPE/2004/12; informal document No. GRPE-48-8 of the annex to this report.

26. The expert from the Russian Federation introduced informal document No. GRPE-48-8 proposing some corrections to the provisions of the Regulation. GRPE adopted the document, unamended, and requested the secretariat to submit it, as draft Corrigendum 1 to Regulation No. 115, to WP.29 and AC.1 for consideration at their November 2004 sessions.

27. Recalling informal document No. GRPE-47-6 distributed during the forty-seventh session of GRPE, the expert from AEGPL introduced TRANS/WP.29/GRPE/2004/12 proposing amendments needed to be introduced in the existing text of Regulation No. 115 to make its implementation applicable to the characteristics of the existing vehicles. The experts from France, the Netherlands and Poland raised concerns about the proposed text to insert a self-certification procedure into the Regulation, the possibility of creating vehicle families and some

safety provisions. They suggested considering the first part of the document in an ad hoc working group.

28. GRPE agreed to resume consideration of this subject at its next session in January 2005 on the basis of a revised document by AEGPL.

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

Documentation: Informal documents Nos. GRPE-48-5, GRPE-48-10 and GRPE-48-13 of the annex to this report.

29. The expert from OICA withdrew informal document No. GRPE-48-10. Furthermore, he introduced informal document No. GRPE-48-5 proposing new provisions to allow manufacturers to use, as an alternative, specific gear shift points for vehicles with manual gearboxes. The expert from Germany presented a similar proposal on the same subject (informal document No. GRPE-48-13).

30. A considerable number of delegations welcomed that proposal and endorsed it in principle. However, GRPE noted that other Regulations could also be concerned by that proposal and agreed to consider this subject in detail at its next session in January 2005. For that purpose, the secretariat was requested to distribute informal document No. GRPE-48-13 with an official symbol (note by the secretariat: see TRANS/WP.29/GRPE/2005/3).

APPLICATION OF ECE REGULATIONS TO HYBRID VEHICLES

Documentation: TRANS/WP.29/GRPE/2004/8; TRANS/WP.29/GRPE/2004/9.

31. Recalling her presentation of informal documents Nos. GRPE-47-15 and GRPE-47-16 during the previous GRPE session, Mrs. B. Lopez (France), Chairperson of the informal group on hybrid vehicles, introduced TRANS/WP.29/GRPE/2004/8 and TRANS/WP.29/GRPE/2004/9 proposing draft amendments to Regulations Nos. 24 (Visible pollutants) and 85 (Measurement of net power).

32. GRPE adopted both documents, unamended, and requested the secretariat to submit them, as draft Supplement 2 to Regulation No. 24 and draft Supplement 4 to Regulation No. 85, to WP.29 and AC.1 for consideration at their November 2004 sessions.

HYDROGEN / FUEL CELL – VEHICLES (HFCV)

Documentation: TRANS/WP.29/GRPE/2003/14 and Add.1; TRANS/WP.29/GRPE/2004/3 and Add.1; informal document No. GRPE-48-17-Rev.1 of the annex to this report.

33. The expert from Germany, Mr. Ch. Albus, chairing the informal group on hydrogen and fuel cell vehicles, briefed GRPE on the results of the group's informal meetings on 13 and 14 May 2004 in Washington D.C. (United States of America) and on 2 June 2004 prior to the GRPE session. He presented the road map to develop gtr(s) on hydrogen and fuel cells vehicles (informal document No. GRPE-48-17-Rev.1). HFCV decided to extend the scope and to cover the main aspects as identified by the group for the on-board storage system safety, the whole

vehicle safety and other aspects including energy and environmental considerations. The informal group recognized the need to establish subgroups so as to efficiently deal with these aspects and to assure a close cooperation with the subsidiary bodies of WP.29. Mr. Albus also presented the timeline for the development of the gtr(s). He pointed out that the group intended to finalize the gtr by 2010, but that the timeline depended considerably on the structure of the future gtr(s) (either adoption of a single gtr or subsequent adoption of a number of modules of gtrs).

34. The expert from the United States of America announced that his Government was not prepared to take the sponsorship of the gtr(s) on hydrogen and fuel cell vehicles, but he expressed the interest of his Government in a co-sponsorship of two or three sponsors. He underlined the need to clarify as soon as possible the sponsorship and the organization of the subgroups. GRPE supported that position and agreed that the meetings of these subgroups should be organized in an intelligent manner in order to reduce as much as possible the costs for the participants.

35. Recalling the discussion at the previous GRPE session on the options to develop a gtr on hydrogen and fuel cell vehicles, the Chairman confirmed that both options were still under consideration on a high political level and that the decision would be taken by WP.29 and AC.3 at their November 2004 sessions. He stated that he intended to seek, at the June session of WP.29, the Chairpersons of the other Working Parties' close cooperation on HFCV safety matters. He would also seek WP.29's consent to establish subgroups as requested by the HFCV informal group. Concluding the discussion, the Chairman of GRPE expressed his thanks for the progress made and suggested that the informal group should also meet again prior to the forty-ninth GRPE session in Geneva (see para. 44 below).

ENVIRONMENTALLY FRIENDLY VEHICLES (EFVs)

Documentation: Informal document No. GRPE-48-15 of the annex to this report.

36. The expert from Japan introduced informal document No. GRPE-48-15 outlining the development project on next-generation environmentally friendly vehicles (EFVs). He invited all GRPE experts to attend the thirty-eighth Tokyo Motor Show held at the Nippon Convention Center in Chiba (Japan) from 2-7 November 2004.

37. Recognizing the high importance of this subject, GRPE acknowledged the invitation by Japan and agreed to resume its consideration at the forty-ninth GRPE session.

EXCHANGE OF INFORMATION ON NATIONAL AND INTERNATIONAL REQUIREMENTS ON EMISSIONS

Documentation: Informal documents Nos. GRPE-48-6 and GRPE-48-16 of the annex to this report.

38. The expert from the United States of America shortly introduced informal document No. GRPE-48-6 on the US Environmental Protection Agency's fact sheet regarding the clean air non-road diesel rule.

39. GRPE took note of the information on new Hungarian legislations of motor vehicles (informal document No. GRPE-48-16).

1997 AGREEMENT (INSPECTIONS)

40. Following the request by AC.4 (see TRANS/WP.29/953, paras. 157 and 158), GRPE agreed on the need that Rule No. 1 (protection of the environment) annexed to the 1997 Agreement should be aligned with the European Union Directive 96/96/EC, as amended. The expert from the Netherlands volunteered to prepare, in collaboration with the European Commission (EC) and the International Motor Vehicle Inspection Committee (CITA), a proposal for amendments. GRPE agreed to resume consideration of this subject at a further session on the basis of a proposal by the Netherlands.

ELECTION OF OFFICERS

41. Following the announcement by the secretariat on Thursday morning, 3 June 2004, and in compliance with Rule 37 of the Rules of Procedure (TRANS/WP.29/690), GRPE called the election of officers on Thursday afternoon. Mr. B. Gauvin (France) was re-elected Chairman for the two sessions scheduled for the year 2005.

OTHER BUSINESS

(a) Harmonization of gaseous fuel standards

Documentation: Informal document No. GRPE-48-2 of the annex to this report.

42. On the suggestion by WP.29, the expert from ENGVA gave a presentation on the need to harmonize the standards for gaseous fuels. He suggested organizing a Round table on the global harmonization of regulations, codes and standards for gaseous fuels (informal document No. GRPE-48-2). GRPE welcomed that initiation and agreed to resume consideration of this subject at its next session in January 2005. The GRPE Chairman invited ENGVA to prepare, in cooperation with ISO, a proposal with concrete subjects and possible speakers. He added his intention to clarify, for that session, the circumstances (place and under which host) the Round table could be held.

(b) Draft proposal for a new consolidated Resolution on Common definitions, masses and dimensions (R.E.5)

Documentation: TRANS/WP.29/2004/25.

43. Following the request by WP.29 (see TRANS/WP.29/992, para. 65), the secretariat shortly introduced TRANS/WP.29/2004/25 concerning a proposal for a draft consolidated Resolution on common definitions and procedures to be used in global technical regulations. The expert from Japan underlined the importance of this reference document as an elementary basis of all gtrs. Referring to the possible adoption of the first gtrs during the WP.29/AC.3 sessions in November 2004, he urged GRPE to adopt the document as soon as possible. However, a large number of delegations preferred to consider the document in detail. GRPE agreed to report its position to WP.29 during the November 2004 session. For that purpose, all

GRPE experts were invited to submit their comments and remarks on the document to the UNECE secretariat by the end of September 2004 and to inform their representatives in WP.29 about their position. (Note by the secretariat: WP.29/AC.3 decided during its June 2004 session that the proposal would be considered as Special Resolution No. 1 - S.R.1; see report TRANS/WP.29/1016).

AGENDA FOR THE NEXT SESSION

44. For the forty-ninth session of GRPE to be held in Geneva, Palais des Nations, GRPE decided to start on Monday, 10 January 2005, 14.30 h until Friday, 14 January 2005, 12.30 h. 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 Monday afternoon, 10 January 2005, from 14.30 h till 17.30 h. 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 Particle Measurement Programme (PMP)

To be held on Tuesday morning, 11 January 2005, from 09.30 h till 12.30 h. 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.

(c) Informal meeting of the GRPE working group on Off-Cycle emissions (OCE)

To be held on Tuesday afternoon, 11 January 2005, from 14.30 h till 17.30 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.

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

To be held on Wednesday morning, 12 January 2005, from 09.30 h till 12.30 h. The agenda of the meeting will be prepared by the WWH-OBD secretariat and distributed to the members of the group prior to the meeting.

(e) Informal meeting of the GRPE working group on Hydrogen and Fuel Cell Vehicles (HFCV)

To be held on Wednesday afternoon, 12 January 2005, from 14.30 h till 17.30 h. The agenda of the meeting will be prepared by the HFCV group secretariat and distributed to the members of the group prior to the meeting.

(f) Forty-ninth session of the GRPE proper

To be held Thursday, 13 January 2005, from 09.30 h to Friday, 14 January 2005, until 12.30 h 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
 - 1.3. On-board diagnostics for heavy-duty vehicles (WWH-OBD)
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 ECE 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. 115 (specific LPG and CNG retrofit systems)
6. Application of ECE Regulations to hybrid vehicles
7. Hydrogen and Fuel Cell Vehicles (HFCV)
8. Environmentally Friendly Vehicles
9. Exchange of information on national and international requirements on emissions 3/
10. 1997 Agreement (Rule No. 1)
11. Draft proposal for a new Special Resolution on common definitions, masses and dimensions (S.R.1)
12. Other business
 - 12.1. Harmonization of gaseous fuel standards

2/ As part of the secretariat's efforts to reduce expenditure, all the official documents as well as the informal documents distributed prior to the session, by mail or 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").

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

AnnexLIST OF INFORMAL DOCUMENTS (GRPE-48-...)
DISTRIBUTED WITHOUT A SYMBOL DURING THE SESSION

No.	Transmitted by	Agenda item	Language	Title	Follow-up
1.	Belarus	5.1.	E	Proposal for amendments to Regulation No. 67	(b)
2.	ENGVA/ IANGVA	12.1.	E	United Nations Round table: Global harmonization of regulations, codes and standards for gaseous fuels	(a)
3.	United States of America	1.2.	E	Fifth plenary meeting of the Working Group on Off-Cycle Emissions, 11 September 2003, Windsor, Canada	(a)
4.	European Commission	4.	E	NRMM: Minutes of the meeting at DG-JRC in Ispra (20 April 2004)	(a)
5.	OICA	5.3.	E	Proposal for a amendment to the 05 series of amendments to Regulation No. 83	(a)
6.	United States of America	9.	E	EPA Fact sheet: Clean air nonroad diesel rule	(a)
7.	OICA	1.1.	E	Worldwide Harmonized Heavy-Duty Emission Certification Procedure (WHDC)	(a)
8.	Russian Federation	5.2.	E/R	Proposal for a Corrigendum 1 to Regulation No. 115	(d,e)
9.	OICA	2.	E	OICA draft statement for GRPE	(a)
10.	OICA	5.3.	E	OICA comment on draft amendments to Regulation No. 83	(a)
11- Rev.1	United Kingdom	2.	E	Proposal for a draft amendment to the 05 series of amendments to Regulation No. 83	(a)
12.	Netherlands	5.1.	E	Background paper to TRANS/WP.29/GRPE/2004/7	(a)
13.	Germany	5.3.	E	Proposal for a draft amendment to the 05 series of amendments to Regulation No. 83	(b)
14.	IMMA	3.	E	List of corrections to TRANS/WP.29/GRPE/2004/11	(a)
15.	Japan	8.	E	Outline of next-generation environmentally friendly vehicle (EFV): Development promotion project (2nd report)	(a)

No.	Transmitted by	Agenda item	Language	Title	Follow -up
16.	Hungary	9.	E	Information on new Hungarian legislations of motor vehicles	(a)
17- Rev.1	Germany/ HFCV	7.	E	Road map to develop hydrogen/fuel cell gtr(s)	(a)
18.	United States of America	1.2.	E	Meeting minutes of the sixth plenary meeting of the Working Group on Off-Cycle Emissions (22 March 2004, London, England)	(a)

Notes:

- (a) Consideration completed or to be superseded
 - (b) Continue consideration at the next session with an official symbol
 - (c) Continue consideration at the next session as an informal document
 - (d) Adopted
 - (e) To be transmitted to WP.29/AC.1
 - (f) To be transmitted to WP.29/AC.3
 - (g) To be transmitted to WP.29/AC.4
-