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Working Party on Pollution and Energy (GRPE)

REPORT OF THE WORKING PARTY ON POLLUTION AND ENERGY (GRPE)
ON ITS FORTY-NINTH SESSION 1/

(10 – 14 January 2005)

ATTENDANCE

1. GRPE held its forty-ninth session from 10 to 14 January 2005, 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; Italy; Japan; Netherlands; Norway; Republic of Korea; 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); 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); the Oil Companies European Organization for Environment, Health and Safety (CONCAWE); European Association of Internal Combustion Engine Manufacturers (EUROMOT); International Motor Vehicle Inspection Committee (CITA); Committee for European Construction Equipment (CECE). Experts from the Engine Manufacturers Association (EMA) participated at the invitation of the secretariat.

1/ Following the agreement reached at the forty-eighth GRPE session, five informal meetings were held prior to the proper session of the forty-ninth GRPE (TRANS/WP.29/GRPE/2005/1 and Add.1, and paras. 2 to 6 below).

2. The seventh informal meeting of the GRPE working group on the emissions from Non-Road Mobile Machinery (NRMM) was held on 10 January 2005 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; Germany; Hungary; Japan; Republic of Korea; 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); International Motorcycle Manufacturers Association (IMMA); Association for Emissions Control by Catalyst (AECC/CEFIC); European Committee of Associations of Manufacturers of Agricultural Machinery (CEMA); European Association of Internal Combustion Engine Manufacturers (EUROMOT); Committee for European Construction Equipment (CECE); Engine Manufacturers Association (EMA). A summary of the proceedings of this informal meeting is given below (paras. 22 and 23).

3. The fourteenth informal meeting of the GRPE Particle Measurement Programme (PMP) working group was held on 11 January 2005 (morning only) under the Chairmanship of Mr. M. Dunne (United Kingdom). Experts from the following countries and organizations participated in the work: Canada; Czech Republic; Finland; Germany; Hungary; Japan; Netherlands; Republic of Korea; 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); International Motorcycle Manufacturers Association (IMMA); Association for Emissions Control by Catalyst (AECC/CEFIC); European Committee of Associations of Manufacturers of Agricultural Machinery (CEMA); the Oil Companies European Organization for Environment, Health and Safety (CONCAWE); European Association of Internal Combustion Engine Manufacturers (EUROMOT); Engine Manufacturers Association (EMA). A summary of the proceedings of this informal meeting is given below (paras. 15-17).

4. The ninth informal meeting of the GRPE working group on Off-Cycle emissions (Off-Cycle), was held on 11 January 2005 (afternoon only), under the Chairmanship of Mr. W. Charmley (USA). Experts from the following countries and organizations participated in the work: Canada; Czech Republic; Finland; Germany; Hungary; Japan; Netherlands; Republic of Korea; Republic of South Africa; Russian Federation; Sweden; Switzerland; United Kingdom; United States of America; European Commission (EC); International Organization of Motor Vehicle Manufacturers (OICA); International Motorcycle Manufacturers Association (IMMA); Association for Emissions Control by Catalyst (AECC/CEFIC); European Committee of Associations of Manufacturers of Agricultural Machinery (CEMA); European Association of Internal Combustion Engine Manufacturers (EUROMOT); Engine Manufacturers Association (EMA). A summary of the proceedings of this informal meeting is given below (paras. 9 and 10).

5. The eleventh informal meeting of the GRPE working group on World-Wide harmonized Heavy-duty vehicle On-Board Diagnostics (WWH-OBDD) was held on 12 January 2005 (morning only), under the chairmanship of Mr. K. Narusawa (Japan). Experts from the following countries and organizations participated in the work: Belgium; Canada; Czech Republic; Finland; Germany; Hungary; Japan; Netherlands; Republic of South Africa; Russian Federation; Serbia and Montenegro; Sweden; Switzerland; United Kingdom; United States of America;

European Commission (EC); International Organization for Standardization (ISO); International Organization of Motor Vehicle Manufacturers (OICA); International Motorcycle Manufacturers Association (IMMA); Association for Emissions Control by Catalyst (AECC/CEFIC); European Association of Internal Combustion Engine Manufacturers (EUROMOT); International Motor Vehicle Inspection Committee (CITA); Engine Manufacturers Association (EMA). A summary of the proceedings of this informal meeting is given below (paras. 11-13).

6. The thirteenth informal meeting of the GRPE working group on Hydrogen and Fuel Cell Vehicles (HFCV) was held on 12 January 2005 (afternoon only), under the Chairmanship of Mr. C. Albus (Germany). Experts from the following countries and organizations participated in the work: Belgium; Canada; Czech Republic; Finland; Germany; Hungary; Japan; Netherlands; Norway; Republic of South Africa; Russian Federation; Serbia and Montenegro; Sweden; Switzerland; United Kingdom; United States of America; European Commission (EC); International Organization for Standardization (ISO); International Organization of Motor Vehicle Manufacturers (OICA); International Motorcycle Manufacturers Association (IMMA); Association for Emissions Control by Catalyst (AECC/CEFIC); European Natural Gas Vehicle Association (ENGVA); Engine Manufacturers Association (EMA). A summary of the proceedings of this informal meeting is given below (paras. 37-42).

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

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

Documentation: Informal documents Nos. GRPE-49-16, GRPE-49-17 and GRPE-49-19 of the annex to this report.

7. The Secretary of the WHDC informal group, Mr. J. Stein (OICA) introduced informal document No. GRPE-49-16 regarding the final report on the heavy-duty engine validation of the worldwide-harmonized duty cycle. The expert from Germany reported on the evaluation of the measurement programme. He stated that the final WHDC cycles had shown a good driveability and very good equivalences of the steady state and transient cycle (informal document No. GRPE-49-19).

8. With regard to the evaluation of the WHDC cycles with current legislative test procedures, Mr. Stein reported on the results of the validation of the Particle Measurement Programme and the Heavy duty methodology (informal document No. GRPE-49-17). He welcomed the interest of GRPE experts in the editorial committee and stated the committee's intention to prepare for the next GRPE session a draft global technical regulation (gtr). The expert from the United States of America raised the need to insert into the draft gtr test conditions better suited for testing after-treatment systems, i.e. a cold start test in addition to the hot start test of the current text. The expert from OICA agreed inserting provisions for the cold start test into the next version of the draft gtr. GRPE endorsed that suggestions and recalled the decision of AC.3 to conclude, in a first step, the technical provisions of the draft gtr and to insert, in a further step, the emission limit values and the cost-benefit analyses. GRPE agreed to resume consideration at its next session on the basis of the final draft gtr.

1.2. Off-Cycle Emissions (OCE)

Documentation: Informal document No. GRPE-49-10 of the annex to this report.

9. GRPE noted that Ms. M. Delaney (United States of America), the former Chairperson of the OCE informal group, has been reassigned within her administration. The GRPE Chairman welcomed Mr. W. Charmley (United States of America), who took over the chairmanship of the OCE group. Mr. Charmley introduced informal document No. GRPE-49-10 regarding the minutes of the seventh informal meeting (held in Geneva, on 1 June 2004). He also reported on the results of the meeting held in Chicago, 21 September 2004 and the meeting prior to the proper GRPE session (para. 4). GRPE was briefed about the status of work of the established editorial committee and its intention to prepare a final text of the draft gtr on off-cycle emissions for consideration at the next GRPE session.

10. The Chairman of GRPE suggested that the OCE group should meet again in Geneva, prior to the next GRPE session in May 2005 (para. 53 below).

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

Documentation: Informal document No. GRPE-49-18 of the annex to this report.

11. GRPE learned with regret that Mr. M. Odaka (Japan) was no longer in the position, due to serious health problems, to assure the chairmanship of the WWH-OBD informal group. Mr. K. Narusawa (Japan), chairing at the present time the WWH-OBD informal group, presented to GRPE the results of the meeting held in Tokyo on 10 and 11 November 2004 and the meeting prior to the GRPE session, in the morning of 12 January 2005 (para. 5 above). GRPE was also briefed on the progress report of the WWH-OBD informal group (informal document No. GRPE-49-18). He stated that 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>. He announced the group's intention to meet again, in conjunction with the OCE informal group on 4-6 April 2005 in Bonn (Germany), and on 25-27 May 2005 in Lyon (France). With regard to the development of generic provisions enabling the eventual future extension of the OBD system to other functions, GRPE supported Mr. Narusawa's request to organize a special informal meeting with experts from the other Working Parties, especially GRSG, GRSP and GRRF.

12. On behalf of GRPE, the Chairman of GRPE expressed his best wishes to Mr. Odaka for an early recovery. He suggested that the WWH-OBD should have a full day meeting prior to the fiftieth GRPE session in Geneva (para. 53 below) in order to deal, amongst other subjects, with the generic provisions of OBD systems. The Chairman added that he would also seek WP.29's consent to establish such an informal meeting and to inform the Chairpersons of the Working Parties concerned in order to invite all interested experts to that common informal meeting on generic provisions for OBD systems.

13. With regard to the elaboration of test requirements for OBD systems, the expert from the United States of America stated that all the tests for the certification of conformity should be defined in the gtr. However, he added that the number of tests to be done should not be part of the gtr, but should be subject to regional specifications. The expert from the EC supported this

position. The expert from Germany raised the need to fix a minimum set of test requirements in a special annex to an UNECE Regulation under the 1958 Agreement. The Chairman announced his intention to inform WP.29/AC.3 on that subject. He also recalled the general understanding that gtrs should have technical provisions. The administrative proceedings regarding the type approval or certification procedure, the specifications for the conformity of production, etc. should be dealt with in regional regulations, e.g. UNECE Regulations.

1.4. Alignment of the scope with that of Regulation No. 83

Documentation: TRANS/WP.29/GRPE/2005/5.

14. GRPE agreed to deal with this subject together with item 11.1. (paras. 49 and 50).

2. PARTICULATE MEASUREMENT PROGRAMME (PMP)

15. The Chairman of the PMP informal group, Mr. M. Dunne (United Kingdom) informed GRPE about the results of the meeting prior to the GRPE session (para. 3) and about the status of the PMP inter-laboratory exercise for light-duty vehicles. He stated this inter-laboratory exercise was coordinated by the EC Joint Research Centre (JRC) and mentioned the group's intention to present an interim report at the next GRPE session in June 2005 and a final report by the end of this year. He added that the time schedule, the framework and laboratory guide as well as the present status document can be consulted on the WP.29/GRPE website at:

<http://www.unece.org/trans/main/wp29/wp29wgs/wp29grpe/pmp14.html>

16. Mr. Dunne briefed GRPE that the PMP informal group considered that planning for a similar inter-laboratory exercise for heavy duty vehicles should commence as soon as possible to permit an early start to testing in 2006. The expert from JRC offered to service also the coordination of that exercise. He invited all interested Contracting Parties or candidate laboratories to inform JRC (panagiota.dilara@jrc.it) about their interest in the participation of that programme. The expert from OICA stated his preference to wait, in a first step, for the final results of the inter-laboratory exercise for light-duty vehicles. With JRC's assistance, Mr. Dunne agreed to present, at the next GRPE session in June 2005, a preliminary schedule for the programme.

17. The GRPE Chairman suggested that the group should meet again before the fiftieth GRPE session (para. 53 below). GRPE agreed to resume consideration of this subject at its next session.

3. WORLDWIDE MOTORCYCLE EMISSION TEST CYCLE (WMTC)

Documentation: Informal document No. GRPE-49-11 of the annex to this report.

18. Referring to the initial proposal TRANS/WP.29/2004/68 and to the amendments presented during the last GRPE session (informal document No. GRPE-48-14), the Chairman of the WMTC working group, Mr. C. Albus (Germany) reported that the group has worked out a revised draft gtr (informal document No. GRPE-49-11), still without limit values. Being aware of the ongoing discussion in WP.29/AC.3 on the possible adoption of a gtr with or without limit values, GRPE agreed to submit that proposal as a Revision 1 to TRANS/WP.29/2004/68, to

WP.29/AC.3 for consideration at their June 2005 sessions, subject to confirmation by WP.29/AC.3 during its March 2005 sessions.

19. Mr. Albus informed GRPE that the WMTC group continued its work on the elaboration of performance requirements of the WMTC gtr. He added that today's comparison of test cycles has been based on "old" vehicle technology and has to be updated. For that purpose, the group was collecting data with advanced vehicles (e.g. three way catalyst).

20. With regard to the concerns raised by India on the WMTC test cycle as well as on the vehicle classification and weighting, GRPE endorsed the position of the WMTC group to deal with these subjects in a second developing step. For that purpose, experts from other countries with similar concerns were invited to deliver, as soon as possible, data for the development of that second WMTC step.

21. GRPE welcomed the intention of Mr. Albus to present, during the next GRPE session in June 2005, a detailed action plan and time schedule for both, the elaboration of performance requirements and the second step development of WMTC. The Chairman of GRPE stated his intention to report to AC.3 and to seek its advice on the anticipated adoption of the draft gtr on WMTC without limit values. GRPE agreed to resume consideration of this subject at its next session.

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

Documentation: Informal documents Nos. GRPE-49-1, GRPE-49-6 and GRPE-49-9 of the annex to this report.

22. The Chairman of the NRMM working group, Mr. G. de Santi (European Commission), briefed GRPE about the good progress made by the group during the informal meetings in Geneva on 4 June 2004 and in Ann Arbor (United States of America), from 27 to 29 September 2004 (informal documents Nos. GRPE-49-1 and GRPE-49-6). He also reported on the outcome of the group's informal meeting prior to the GRPE session and introduced informal document No. GRPE-49-9 regarding the proposal to develop a gtr on NRMM. GRPE endorsed that document and agreed that it should be submitted by the sponsor (EC) as a formal proposal to WP.29/AC.3, for consideration at their March 2005 sessions. Mr. de Santi announced the NRMM group's intention to meet again in San Antonio (United States of America) on January 2005 and in Ispra (Italy) on 12 and 13 April 2005.

23. The Chairman of GRPE suggested that the group should also meet prior to the fiftieth GRPE session in June 2005 (para. 53 below).

5. AMENDMENTS TO UNECE REGULATIONS

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

Documentation: TRANS/WP.29/GRPE/2005/2; TRANS/WP.29/GRPE/2005/6.

24. The expert from AEGPL introduced TRANS/WP.29/GRPE/2005/6, proposing amendments to the Regulation with regard to the introduction of the so-called Euro filling unit.

25. GRPE adopted the document, not amended, and requested the secretariat to submit it, as a proposal for draft Supplement 6 to the 01 series of amendments to Regulation No. 67, for consideration to WP.29 and AC.1 at their June 2005 sessions.

26. As Belarus was not represented and in the absence of a justification for the proposed amendments to the Regulation, GRPE agreed to postpone the consideration of TRANS/WP.29/GRPE/2005/2 to its fiftieth session.

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

Documentation: TRANS/WP.29/GRPE/2005/3*; Informal document No. GRPE-49-8 of the annex to this report.

27. Recalling the discussion on informal document GRPE-48-13 at the previous GRPE session, the expert from Germany introduced TRANS/WP.29/GRPE/2005/3* in order to insert new prescriptions into the Regulation to allow special gear shifting strategies with the help of a technical gearshift instrument. The expert from the EC raised concern on that proposal and stated that a more detailed study of the proposal would be necessary in order to know the influence of the modifications in other legislations and in vehicles performances (informal document No. GRPE-49-8). For the clarification of that issue, he volunteered to organize, in the framework of the EC working groups, a special meeting in Brussels.

28. GRPE welcomed that suggestion and agreed to consider this subject in detail at its next session in June 2005, on the basis of a new proposal by the EC.

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

Documentation: TRANS/WP.29/GRPE/2005/4; Informal document No. GRPE-49-13 of the annex to this report.

29. The expert from Italy introduced TRANS/WP.29/GRPE/2005/4, proposing amendments to include into the Regulation new requirements for valves to be installed on cylinder assembly and to improve the provisions for the periodic requalification of tanks installed in vehicles. The expert from the Netherlands raised some study reservations on that proposal and introduced informal document No. GRPE-49-13 including a new proposal for amendments to Regulation No. 110.

30. GRPE welcomed that proposal and agreed in principle on the new provisions for the periodic requalification. However, GRPE noted some study reservations on the new requirements for valves to be installed on cylinder assembly and agreed to consider this subject in detail at its next session in June 2005.

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

Documentation: TRANS/WP.29/GRPE/2005/7; TRANS/WP.29/GRPE/2005/8; informal document No. GRPE-49-14 of the annex to this report.

31. The expert from AEGPL introduced TRANS/WP.29/GRPE/2005/7, superseding TRANS/WP.29/GRPE/2004/12 and proposing amendments to the existing text of the Regulation in order to make its implementation applicable to the characteristics of the existing vehicles.

32. Considering the comments (informal document No. GRPE-49-14) by the expert from Poland, GRPE agreed on TRANS/WP.29/GRPE/2005/7 with the following amendments:

Paragraph 6.1.2.5.1.4., amend at the end the words "only with LPG" to read "only with each LPG reference fuel".

Paragraphs 6.1.2.5.1.5. to 6.1.2.5.1.5.2., should be deleted.

Paragraphs 6.1.2.5.3.4., should be deleted.

Paragraph 6.1.2.5.3.5. (former), renumber as paragraph 6.1.2.5.3.4.

Annex 1A, Addendum, item 3., footnote 2/ to the table, amend to read:

"2/ Applicable to vehicles of category M₁ and N₁ only."

33. The expert from ENGVA introduced TRANS/WP.29/GRPE/2005/8 proposing similar amendments to be made to the existing text of the Regulation dealing with specific provisions of GNG retrofit systems.

34. GRPE agreed on the following amendments to TRANS/WP.29/GRPE/2005/8:

Paragraph 6.2.2., correct the words "category M₁" to read "category M₁ and N₁",

Paragraph 6.2.2.5.1.3., correct the figures "LPG A" to read "G₂₀", "LPG B" to read "G₂₅" and the word "deterioration" to read "deterioration".

Paragraph 6.2.2.5.1.4., amend at the end the words "only with CNG" to read "only with each CNG reference fuel".

Paragraphs 6.2.2.5.1.5. to 6.2.2.5.1.5.2., should be deleted.

Paragraphs 6.2.2.5.3.4., should be deleted.

Paragraph 6.2.2.5.3.5. (former), renumber as paragraph 6.2.2.5.3.4.

Annex 1B, Addendum, item 3., footnote 2/ to the table, amend to read:

"2/ Applicable to vehicles of category M₁ and N₁ only."

35. GRPE adopted TRANS/WP.29/GRPE/2005/7 and TRANS/WP.29/GRPE/2005/8, both as amended in paras. 32 and 34. The secretariat was requested to submit them, as Supplement 1 to Regulation No. 115, to WP.29 and AC.1 for consideration at their June 2005 sessions.

6. APPLICATION OF UNECE REGULATIONS TO HYBRID VEHICLES

36. As all UNECE Regulations have already been adapted with regard to their application to hybrid vehicles, GRPE agreed to remove this item from the agenda of its next session.

7. 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-49-15 of the annex to this report.

37. The HFCV Chairman, Mr. Ch. Albus (Germany), briefed GRPE on the results of the group's recent informal meetings in Paris (France), on October 2004 and in Geneva, on 12 January 2005 (para. 6). He reported that the considerations on the scope, the content and the structure of the future gtr on HFCV were still in progress within the informal group. He stated the preparedness of Germany to co-sponsor the gtr on HFCV hopefully together with Japan and USA. The expert from the United States of America confirmed the co-sponsorship by his administration. Mr. Albus announced the sponsors' intention to submit to AC.3 a formal proposal to develop the gtr. He also announced the group's intention to meet again in April or May 2005 and to present at the next GRPE session, a detailed time schedule for the development of the gtr.

38. With regard to the future organization of the work, GRPE endorsed the HFCV group's proposal to establish a sub-group on environmental items (SGE) under the chairmanship of JRC. The main HFCV (chaired by Germany and vice-chairmanship by Japan and USA) group will continue to deal with all vehicle safety items.

39. Recalling the options for the further development of the gtr on HFCV (see TRANS/WP.29/GRPE/48, para. 35), GRPE stressed the urgent need to find a solution regarding the safety provisions for hydrogen storage, either to opt for the component approach (as proposed by the EC) or for the system approach (by Japan).

40. The expert from Japan introduced informal document No. GRPE-49-15 concerning the partial amendment of the national safety regulations for road vehicles in Japan. The EC expert raised the urgency of adopting both proposals on hydrogen storage systems. The expert from OICA supported that position.

41. The expert from the United States of America encouraged the group thinking about industries' concerns. He underlined that the development of a HFCV gtr was a global challenge. He stressed the evidence that research work on HFCV (e.g. on vehicle crash tests) must be made available to public. GRPE supported that position.

42. As this is a political issue, the GRPE Chairman stated his intention to report to WP.29, at its next session in March 2005, about the outcome of GRPE's discussion on this subject and to urge WP.29 to take a final decision. He also added that all information and data regarding HFCV could be made available to public via the creation of a HFCV homepage at the WP.29 or OICA website. Concluding the discussion, the Chairman suggested to resume consideration at the next GRPE session and that the HFCV informal group should also meet again prior to that session (see para. 53 below).

8. ENVIRONMENTALLY FRIENDLY VEHICLES (EFVs)

43. With regard to next-generation environmentally friendly vehicles (EFV), the expert from Japan presented the development promotion project aiming at a cleaner air and a better living environment (informal document distributed without a symbol). He informed GRPE that the next session on EFV would be held in London (United Kingdom), at the end of this year.

44. The GRPE Chairman underlined the importance of this subject and suggested to resume its consideration at the next session.

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

Documentation: Informal document No. GRPE-49-15 of the annex to this report.

45. GRPE took note of the informal document No. GRPE-49-15, as presented under agenda item 7 (para. 38).

10. 1997 AGREEMENT (INSPECTIONS)

10.1. Rule No. 1

Documentation: Informal documents Nos. GRPE-49-2, GRPE-49-3 and GRPE-49-4 of the annex to this report.

46. The expert from the Netherlands introduced informal document No. GRPE-49-2 presenting the results of a comparison between Rule No. 1 to the 1997 Agreement and EU Directive 96/96/EC. He also introduced informal document No. GRPE-49-3 proposing amendments to Rule No. 1 in order to align its provisions to those of the EU Directive 96/96/EC. Furthermore, he presented a proposal for further improvements to Rule No. 1 by inserting additional technical provisions for the inspection of vehicles with positive-ignition engines (e.g. natural gas engines).

47. GRPE welcomed these proposals and acknowledged the work done by expert from the Netherlands. Following the decision by AC.4 to freeze all activities regarding the Agreement (see TRANS/WP.29/1037, para. 66), GRPE agreed to postpone consideration of this subject to one of its future sessions on the basis of the above-mentioned proposals.

10.2. Draft Rule No. 2

Documentation: TRANS/WP.29/2003/16; Informal document No. GRPE-49-5 of the annex to this report.

48. Recalling AC.4's decision as mentioned under agenda item 10.1., GRPE agreed to postpone consideration of this subject, too.

11. CONSIDERATIONS ON COMMON DEFINITIONS

11.1. Consolidated Resolution of the Construction of Vehicles (R.E.3)

Documentation: Informal documents Nos. GRPE-49-7 and GRPE-49-12 of the annex to this report.

49. The expert from the EC introduced informal document No. GRPE-49-7 regarding incoherencies between the definitions in the Consolidated Resolution of the Construction of Vehicles (R.E.3), the Vienna Convention and UNECE Regulations. For that purpose, he also presented a proposal for clarification of the scope of UNECE Regulations covered by GRPE (informal document No. GRPE-49-12).

50. GRPE welcomed that informal document and considered it in depth. GRPE agreed with the proposals to Regulations Nos. 24, 67 and 110. The EC expert was invited to prepare a proposal for draft amendments to those Regulations, for consideration at the next GRPE session as official documents. Regarding the complexity of the definitions in Regulations Nos. 49 and 83, the EC expert volunteered to organize, in the near future, a special ad hoc meeting in Brussels. GRPE endorsed that suggestion. Concerning the incoherencies of definitions in Regulations Nos. 85, 100, 101, 103 and 115, GRPE supported the EC proposal to solve this problem by a Horizontal Regulation.

11.2. Draft proposal for a new Special Resolution on common definitions, masses and dimensions (S.R.1)

Documentation: TRANS/WP.29/2004/25; TRANS/WP.29/2005/21.

51. With regard to the consideration by WP.29 of the draft proposal for the new S.R.1 (TRANS/WP.29/2005/21), GRPE voiced no objection for the eventual adoption. Concluding the discussion, the GRPE agreed to resume consideration of this subject at its next session in June 2005, on the basis of concrete proposals by the EC.

12. OTHER BUSINESS

12.1. Harmonization of gaseous fuel standards

52. The expert from ISO announced the intention of his organization to host the Round table on the global harmonization of regulations, codes and standards for gaseous fuels. GRPE welcomed this decision and agreed to support that action.

AGENDA FOR THE NEXT SESSION

53. For the fiftieth session of GRPE to be held in Geneva, Palais des Nations, GRPE decided to start on Monday, 30 May 2005, 9.30 h until Friday, 3 June 2005, 12.30 h. For that purpose, the secretariat suggested the following agenda:

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

To be held on Monday, 30 May 2005, from 09.30 h till 17.30 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. 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, 31 May 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, 31 May 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 the emissions of non-road mobile machinery (NRMM)

To be held on Wednesday morning, 1 June 2005, from 9.30 h till 12.30 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.

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

To be held on Wednesday afternoon, 1 June 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) Fiftieth session of the GRPE proper

To be held Thursday, 2 June 2005, from 09.30 h to Friday, 3 June 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 (OCE)
 - 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 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. 110 (Specific components for CNG)
6. Hydrogen and Fuel Cell Vehicles (HFCV)
7. Environmentally Friendly Vehicles
8. Exchange of information on national and international requirements on emissions 3/
9. 1997 Agreement
 - 9.1. Rule No. 1
 - 9.2. Draft Rule No. 2
10. Consideration of common definitions
 - 10.1. Consolidated Resolution of the Construction of Vehicles (R.E.3)
 - 10.2. Draft Special Resolution on common definitions, masses and dimensions (S.R.1)
11. Election of officers
12. Other business

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"). 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.

AnnexLIST OF INFORMAL DOCUMENTS (GRPE-49-...)
DISTRIBUTED WITHOUT AN OFFICIAL SYMBOL DURING THE SESSION

No.	Transmitted by	Agenda item	Language	Title	Follow-up
1.	NRMM	4.	E	NRMM meeting: Minutes of the meeting at Geneva, on 4th of June 2004	(a)
2.	Netherlands	10.1.	E	Comparaison between EU Council Directive 96/96/EC and Rule No. 1 to the 1997 Agreement	(b)
3.	Netherlands	10.1.	E	Amendment: Draft Revision 1 to Rule No. 1, version A	(b)
4.	Netherlands	10.1.	E	Amendment: Draft Revision 1 to Rule No. 1, version B	(b)
5.	GRSG	10.2.	E	Draft Rule No. 2: Vehicles with regard to their roadworthiness	(b)
6.	NRMM	4.	E	NRMM meeting: Minutes of the meeting at EPA NVFEL, on 27th to 29th September 2004	(a)
7.	European Commission	11.	E	Incoherencies between the definitions in the Consolidated Resolution of the Construction of Vehicles (R.E.3), the Vienna Convention and UNECE Regulations	(a)
8.	European Commission	5.2.	E	Commission position paper on gear shifting	(a)
9.	NRMM	4.	E	Proposal to develop a global technical regulation concerning the exhaust emissions from non-road mobile machinery	(a)
10.	OCE	1.2.	E	Seventh plenary meeting of the Working Group on Off-Cycle Emissions, 1 June 2004, Geneva, Switzerland	(a)
11.	WMTC	3.	E	Proposal for draft global technical regulation: Uniform provisions concerning the measurement procedure for motorcycles equipped with a positive- or compression ignition engine with regard to the emission of gaseous pollutants, CO2 emissions and fuel consumption by the engine	(c,d)
12.	European Commission	11.	E	Proposal for clarification of the scope of Regulations under the 1958 Agreement covered by GRPE	(a)

No.	Transmitted by	Agenda item	Language	Title	Follow-up
13.	Netherlands	5.3.	E	Comments on the proposal for amendments to Regulation No. 110 (TRANS/WP.29/GRPE/2005/4) including a new proposal for amendments to Regulation No. 110	(a)
14.	Poland	5.4.	E	Comments on the proposal for draft amendments to Regulation No. 115 (AEGPL proposal – November 2004)	(a)
15.	Japan	9.	E	Partial amendment to the safety regulations for road vehicles	(a)
16.	WHDC	1.1.	E	Heavy duty engine validation of world harmonized duty cycle (WHDC): Final report, May 2004	(a)
17.	WHDC	1.1.	E	UK Particle Measurement Programme – Heavy duty methodology development supplementary report: PMP phase 2 – WHDC and ISO 16183 validation	(a)
18.	WWH-OBDD	1.3.	E	Progress report # 1 of the GRPE informal WWH-OBDD group	(a)
19.	Germany	1.1.	E	Heavy-duty engine validation of the World Harmonized Duty Cycle (WHDC): Final summary	(a)
-	Japan	8.	E	Next-generation Environmentally Friendly Vehicles project	(a)
-	ENGVA	12.1.	E	ENGVA 11th annual European NGV conference	(a)

Notes:

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