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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 FIFTIETH SESSION 1/

(30 May – 3 June 2005)

ATTENDANCE

1. GRPE held its fiftieth session from 30 May to 3 June 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; Poland; 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); International Association for Natural Gas Vehicles (IANGV). Experts from the Engine Manufacturers Association (EMA) participated at the invitation of the secretariat.

1/ Following the agreement reached at the forty-ninth GRPE session, five informal meetings were held prior to the proper session of the fiftieth GRPE (TRANS/WP.29/GRPE/2005/9, Add.1, Corr.1, and paras. 2 to 6 below).

2. The thirteenth informal meeting of the GRPE working group on World-Wide harmonized Heavy-duty vehicle On-Board Diagnostics (WWH-OBD) was held on 30 May 2005, under the chairmanship of Mr. K. Narusawa (Japan). Experts from the following countries and organizations participated in the work: Belgium; Canada; Czech Republic; Finland; France; Germany; Hungary; Italy; Japan; Netherlands; Norway; Poland; Republic of Korea; Republic of South Africa; Russian Federation; Sweden; Switzerland; 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. 12 and 13).

3. The fifteenth informal meeting of the GRPE Particle Measurement Programme (PMP) working group was held on 31 May 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; France; Germany; Hungary; Italy; Japan; Netherlands; Norway; Poland; 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); 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); Engine Manufacturers Association (EMA). A summary of the proceedings of this informal meeting is given below (paras. 14-17).

4. The tenth informal meeting of the GRPE working group on Off-Cycle Emissions (OCE), was held on 31 May 2005 (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; Italy; Japan; Netherlands; Norway; Poland; 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); 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); Engine Manufacturers Association (EMA). A summary of the proceedings of this informal meeting is given below (paras. 10 and 11).

5. The ninth informal meeting of the GRPE working group on the emissions from Non-Road Mobile Machinery (NRMM) was held on 1 June 2005 (morning 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; Italy; Japan; Netherlands; Norway; Poland; 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); 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). A summary of the proceedings of this informal meeting is given below (paras. 21 and 22).

6. The informal meeting of the GRPE working group on Hydrogen and Fuel Cell Vehicles (HFCV), initially scheduled to be held on 1 June 2005 (afternoon only), was cancelled. Instead, the GRPE working group on the World-wide Heavy-Duty Certification procedure (WHDC) convened its sixteenth informal meeting 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; Italy; Japan; Netherlands; Norway; Poland; 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); Association for Emissions Control by Catalyst (AECC/CEFIC). A summary of the proceedings of this informal meeting is given below (paras. 7-9).

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-50-4 and GRPE-50-14 of Annex 1 to this report.

7. Referring to GRPE-50-14, Mr. J.P. Laguna (European Commission), chairing the WHDC informal group, reported on the outcome of the meeting prior to the GRPE session (para. 6). The WHDC Secretary, Mr. J. Stein (OICA), presented GRPE-50-4 regarding the final text on the heavy-duty engine validation of the worldwide-harmonized duty cycle. The expert from CONCAWE questioned the need to specify the reference fuel. Recalling the discussion in the March session of the Executive Committee AC.3 on reference fuels, the expert from Germany suggested inserting into the WHDC gtr similar provisions as in the draft gtr on WMTC (paras. 18-20).

8. GPRE agreed to adopt, in a first step, the WMTC test cycle as a global technical regulation (gtr) without emission limit values, and to reduce the number of reference fuels to only a few regional reference fuels. Mr. Stein volunteered to revise GRPE-50-14 and to make it available soon on the WP.29/GRPE website. GRPE experts were invited to transmit their comments on that document to Mr. Stein (hj.stein@daimlerchrysler.com), not later than end July 2005.

9. GRPE acknowledged the work done by the group and agreed to have a final review of the WHDC gtr at its next session in January 2006, 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-first GRPE session (para. 53 below).

1.2. Off-Cycle Emissions (OCE)

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

10. GRPE noted the minutes (GRPE-50-1) of the eighth informal OCE meeting (held in Chicago, on 21 September 2004). The Chairman of the OCE informal group, Mr. W. Charmley (United States of America), reported on the results of the meetings held in Bonn on April 2005

and the meeting prior to the proper GRPE session (para. 4). GRPE was informed that the OCE informal group would meet again in Chicago (United States of America), on 13-15 September 2005. GRPE also noted that all OCE related documents were available on the OICA website at the following address: <http://www.oica.net/htdocs/WWH/wwh.htm>

11. The Chairman of GRPE welcomed the progress made and the OCE group's intention to finalize, by June 2006, the text of the draft gtr on OCE. GRPE agreed that the OCE group should also meet in Geneva, prior to the next GRPE session in January 2006 (para. 53 below).

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

Documentation: Informal documents Nos. GRPE-50-15, GRPE-50-16 and GRPE-50-17 of Annex 1 to this report.

12. Mr. K. Narusawa (Japan), chairing the WWH-OBD informal group, reported on the results of the meeting held in Bonn in April 2005 and the full-day meeting (para. 2 above) prior to the GRPE session, held on 30 May 2005 in the presence of experts from other Working Parties of WP.29 (GRPE-50-15). The WWH-OBD Secretary informed GRPE on the progress made by the group on the elaboration of the generic provisions for on-board diagnostic systems (GRPE-50-16) and specific provisions for emission related heavy-duty diesel OBD systems (GRPE-50-17). He presented the timeline for the elaboration of the final text of the draft gtr and announced the group's intention to meet again, in conjunction with the OCE informal group on 19-21 September 2005 in Chicago. GRPE welcomed the timeline and agreed to finalize, in a first step, the text of the draft gtr on the basis of the provisions for wired communication interface. The provisions for the wireless communication interface would be inserted into the gtr as soon as the ISO working group would finish its work.

13. The Chairman of GRPE suggested having, at the next GRPE session, a final review of the draft gtr on WWH-OBD. The WWH-OBD group should also meet prior to the January 2006 session (para. 53 below). The Chairman added that he would inform WP.29 and AC.3 about the possible submission by GRPE of both gtrs on WHDC and WWH-OBD, for consideration at their sessions in June 2006.

2. PARTICULATE MEASUREMENT PROGRAMME (PMP)

14. The Chairman of the PMP informal group, Mr. M. Dunne (United Kingdom), reported on the outcome of the meeting prior to the GRPE session (para. 3) and on the first analysis of the results of the PMP inter-laboratory exercise for light-duty vehicles, still in progress. He stated that the results have shown a robust test cycle and an excellent repeatability of the particle mass measurement. He expected that the exercise would be concluded by the end of September 2005. The final report of this exercise would be available by the end of this year. He added that the relevant PMP documents and presentations can be consulted on the WP.29/GRPE website at:
<http://www.unece.org/trans/main/wp29/wp29wgs/wp29grpe/pmp15.html>

15. Mr. Dunne informed GRPE about the PMP informal group's intention to a similar inter-laboratory exercise for heavy-duty vehicles in January 2006. The corresponding test procedure was laid down in the working paper No. GRPE-PMP-15-1 (available on the above mentioned website address). He invited all interested candidate laboratories to participate in that exercise

and to inform JRC (panagiota.dilara@jrc.it) of their interest. Mr. Dunne announced the group's intention to convene a planning meeting by the end of this year to set up a detailed test programme. He added that any offer for appropriate test engines would be highly appreciated.

16. GRPE welcomed the progress made by the informal group as well as the timeline of both programmes and agreed to resume consideration of this subject at its next session. The GRPE Chairman suggested that the group should meet again prior to the next GRPE session (para. 53 below).

17. GRPE noted that Mr. Dunne was taking his retirement by the end of the year, terminating also the chairmanship of the PMP informal group. The GRPE Chairman expressed his gratitude for the excellent work done as Chairman of the PMP group and his valuable contributions in GRPE activities since the very beginning of Working Party. The Chairman thanked Mr. Dunne for his considerable efforts and wished him a long and happy retirement. GRPE expressed to Mr. Dunne its deep appreciation with long applause. Mr. Dunne thanked the group for the appreciation and confirmed the commitment by his government to continue to provide the chairmanship of the PMP informal group.

3. WORLDWIDE MOTORCYCLE EMISSION TEST CYCLE (WMTC)

Documentation: Informal documents Nos. GRPE-50-3 and GRPE-50-12 of Annex 1 to this report.

18. Recalling the agreed two-step procedure to establish the gtr, Mr. C. Albus (Germany), chairing the WMTC working group, announced the forthcoming consideration by WP.29 and AC.3 of the revised draft gtr (TRANS/WP.29/2004/68/Rev.1) and its possible adoption, as a first step, during their June 2005 sessions (GRPE-50-12). He also recalled the concerns by China on reference fuels (GRPE-50-3) and the discussion in WP.29 and AC.3 during their March 2005 sessions. He informed GRPE about a possible solution as already inserted in footnote 2 in the revised draft gtr (para. 6.2., note 2).

19. Concerning the second step, Mr. Albus reported that the WMTC group continued its work on the development of performance requirements of the WMTC gtr. With regard to the concerns raised by India, he informed GRPE that the WMTC group was considering the introduction of an additional test cycle at a second stage.

20. GRPE acknowledged the progress made by the WMTC informal group. Regarding the derogation for China on the reference fuel, the Chairman of GRPE suggested to consider an appropriate solution during the forthcoming WP.29 session in June 2005. GRPE agreed to resume consideration of the second step of the WMTC gtr at its next session in January 2006.

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

21. The Secretary of the NRMM working group reported on the considerable progress made by the group during the previous session in Ispra (Italy), on April 2005, and informed GRPE about the outcome of the group's informal meeting prior to the GRPE session (para. 5 above). He announced the NRMM group's intention to meet again in Ann Arbor (United States of

America), on 29-30 September 2005. GRPE took note of the formal proposal to develop a gtr concerning the exhaust emissions from non-road mobile machinery (TRANS/WP.29/2005/38), transmitted by the European Commission to WP.29 and AC.3.

22. The Chairman of GRPE suggested that the group should also meet prior to the next GRPE session in January 2006 (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; informal document No. GRPE-50-8 of Annex 1 to this report.

23. In the absence of Belarus, GRPE considered TRANS/WP.29/GRPE/2005/2, proposing to increase the batch number of containers and to insert pneumatic tests as an option to the hydraulic tests as well as some editorial corrections. The expert from the Netherlands opposed increasing the batch number of containers. With regard to the insertion of pneumatic tests, GRPE agreed that such provisions could be accepted only in combination with further detailed safety provisions.

24. GRPE only adopted the proposed corrections (Russian text only) to paragraphs 6.15.4.1. and 6.15.8.2., as reproduced in Annex 2 to this report. The secretariat was requested to submit them, as draft Corrigendum 2 to Supplement 2 to the 01 series of amendments to Regulation No. 67, for consideration to WP.29 and AC.1 at their November 2005 sessions.

25. Concerning GRPE-50-8 (tabled by India), the experts from the Netherlands and AEGPL raised their concerns to increase the existing number of test cycles. As India was not represented, GRPE agreed to postpone the consideration of the document to its next session.

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

Documentation: TRANS/WP.29/GRPE/2005/3*; TRANS/WP.29/GRPE/2005/10.

26. The expert from OICA recalled the discussion during the previous GRPE session on TRANS/WP.29/GRPE/2005/3* regarding new provisions to allow special gear shifting strategies with the help of a technical gearshift instrument. He announced that a special meeting on this subject would be held in Brussels. He also informed about FIA's intention to start a study on the environmental impacts of such gearshift instruments. The expert from the EC maintained his study reservations, awaiting the outcome of the special meeting in Brussels and the results of FIA study.

27. The expert from CLEPA gave a presentation on the need of requirements for bi-fuelled gas vehicles with regard to possible technical options for OBD systems and proposed amendments to Regulation No. 83 (TRANS/WP.29/GRPE/2005/10). The expert from the EC raised his scrutiny study reservation, and suggested to establish an ad hoc working group in Brussels. The expert from CLEPA offered to arrange an appropriate meeting room. The expert

from the Netherlands volunteered to chair this ad hoc working group. (Note by the secretariat: the meeting was scheduled on 29 June 2005)

28. GRPE welcomed these initiatives and agreed to resume consideration of these subjects at its next session.

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

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

29. As India was not represented, GRPE agreed to postpone the consideration of GRPE-50-9 to its fifty-first session.

30. Recalling the discussion at the previous GRPE session on TRANS/WP.29/GRPE/2005/4, the expert from Italy introduced GRPE-50-13 justifying the need to improve the provisions for the periodic requalification of tanks installed in vehicles. GRPE only adopted the proposed amendment to Annex 3, paragraph 4.1.4., and requested the secretariat to submit it, as draft Supplement 4 to Regulation No. 110, for consideration to WP.29 and AC.1 at their November 2005 sessions.

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

Documentation: TRANS/WP.29/GRPE/2005/12; informal documents Nos. GRPE-50-10 and GRPE-50-19 of Annex 1 to this report.

31. The expert from AEGPL introduced TRANS/WP.29/GRPE/2005/12 proposing some corrections to the draft Supplement 1 (TRANS/WP.29/2005/37) to the Regulation. The expert from the EC suggested some minor editorial changes to the document (GRPE-50-19). GRPE adopted TRANS/WP.29/GRPE/2005/12, as amended in the first part of GRPE-50-19, and requested the secretariat to submit it, as draft Corrigendum 1 to draft Supplement 1 to Regulation No. 115, for consideration to WP.29 and AC.1 at their November 2005 sessions.

32. With regard to the proposal by AEGPL (second part of GRPE-50-19), GRPE agreed to postpone the consideration to the next GRPE session. For that purpose, the secretariat was requested to distribute the second part of GRPE-50-19 with an official symbol (note by the secretariat: TRANS/WP.29/GRPE/2006/2).

33. For the same reasons as mentioned in para. 29, GRPE agreed to postpone also the consideration of GRPE-50-10 (tabled by India) to its fifty-first session.

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

Documentation: Informal document No. GRPE-50-5 of Annex 1 to this report.

34. The expert from EUROMOT introduced GRPE-50-5, stressing the need to align the provisions of the Regulation with those of the corresponding EU Directive. The expert from

the EC volunteered to prepare a proposal for consideration at the next GRPE session in January 2006.

6. HYDROGEN / FUEL CELL – VEHICLES (HFCV)

Documentation: TRANS/WP.29/GRPE/2003/14 and Add.1; TRANS/WP.29/GRPE/2004/3 and Add.1.

35. The HFCV Chairman, Mr. Ch. Albus (Germany), reported on the results of the group's informal meeting in Ispra (Italy), on April 2005. Regarding the general safety aspects of hydrogen systems on motor vehicles, the informal group was still awaiting the translation of the Japanese national legislation, which entered into force in March 2005 and which would be a good basis to develop the HFCV gr. Mr. Albus underlined the importance to have an exchange of views on the need and the coordination of future research work on safety issues. He announced the informal group's intention to meet again in Japan.

36. The HFCV Chairman informed GRPE that the HFCV sub-group on environmental items (SGE) had held its first meeting in Ispra and made good progress. He added that the SGE sub-group had already decided that there was no need for research work by the group.

37. The expert from the EC confirmed the decision by the EU member States to develop a regional EU legislation on the basis of the GRPE proposals for the storage of both the liquid hydrogen and the compressed gaseous hydrogen. The expert from OICA welcomed that decision. GRPE agreed to remove the official documents from the agenda of the next session.

38. The GRPE Chairman recalled the political decision by the three co-sponsors (EC, Japan and the United States of America) to develop the gr directly (option 1). Concluding the discussion, he suggested to resume consideration at the next GRPE session and that either the HFCV informal group or the WMTC informal group should also meet prior to that session (see para. 53 below).

7. ENVIRONMENTALLY FRIENDLY VEHICLES (EFVs)

39. With regard to next-generation environmentally friendly vehicles (EFV), the expert from Japan informed GRPE that the next Conference on EFV was scheduled to be held in Birmingham (United Kingdom), on 10 and 11 November 2005. The expert from the United Kingdom confirmed that about two-hundred-and-fifty delegates were expected to take part in that high level conference. He announced that GRPE experts would be kept informed on the details of that conference.

40. GRPE recognized the high importance of this subject and agreed to resume its consideration at the next session, awaiting the outcome of the EFV Conference.

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

Documentation: Informal documents Nos. GRPE-50-6, GRPE-50-11 and GRPE-50-20 of Annex 1 to this report.

41. The expert from Japan reported on the recommendations of the Air Quality Committee of the Central Environmental Council in Japan for future emission reductions from motor vehicles (GRPE-50-6).

42. The expert from Switzerland informed GRPE about the outcome of the deliberations concerning the national proposal for regulatory provisions to reduce diesel particle emissions in Switzerland (GRPE-50-11).

43. The expert from South Africa introduced GRPE-50-20 reporting on the national vehicle emission legislation to suppress the atmospheric pollution in South Africa.

9. 1997 AGREEMENT (INSPECTIONS)

9.1. Rule No. 1

Documentation: Informal documents Nos. GRPE-49-2, GRPE-49-3 and GRPE-49-4 of Annex 1 to this report.

44. The expert from the Netherlands recalled the purpose of GRPE-49-2, GRPE-49-3 and GRPE-49-4 proposing amendments to Rule No. 1 in order to align and improve its provisions to those of the EU Directive 96/96/EC, as amended.

45. GRPE agreed to align, in a first step, the provisions of Rule No. 1 with those of the EU Directive and to consider, at a further step, the insertion of new provisions for CNG vehicles. The GRPE Chairman suggested resuming consideration of this subject at its next session in January 2006. For that purpose, the secretariat was requested to distribute GRPE-49-3 with an official symbol.

10. CONSIDERATION ON COMMON DEFINITIONS

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

Documentation: TRANS/WP.29/GRPE/2005/5; TRANS/WP.29/GRPE/2005/11; informal document No. GRPE-50-7 of Annex 1 to this report.

46. Recalling the discussion at the previous session on incoherencies between the definitions in the Consolidated Resolution of the Construction of Vehicles (R.E.3), the Vienna Convention and UNECE Regulations, the expert from the EC introduced TRANS/WP.29/GRPE/2005/11 proposing amendments to clarify the scopes of Regulations Nos. 24, 67 and 110. Regarding the scopes of Regulations Nos. 49 and 83, he reported on the outcome of the special ad hoc meeting in Brussels (GRPE-50-7). GRPE welcomed the proposals and noted some additional amendments to the proposed tables with regard to the applicability of

Regulation No. 49. The expert from the EC volunteered to prepare a consolidated proposal for the next GRPE session.

47. The expert from Italy questioned the possible extension of the scope of Regulation No. 67 to vehicles of category L. The expert from Japan stressed the need to insert under the 1958 Agreement a definition for non-road mobile machinery, if possible in the new Horizontal Regulation.

48. Concluding the discussion on this subject, GRPE agreed to resume its consideration at the next GRPE session in January 2006, on the basis of a consolidated document by the EC.

11. ELECTION OF OFFICERS

49. Following the secretariat's announcement on Thursday morning, 2 June 2005, 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 unanimously re-elected Chairman for the two GRPE sessions scheduled for the year 2006.

12. OTHER BUSINESS

12.1. Verification of the conformity of certified products

Documentation: Informal document No. GRPE-50-2 of Annex 1 to this report.

50. The expert from the Russian Federation introduced GRPE-50-2 emphasizing the importance of endurance test procedures and of compliance verifications. He stressed the need to review in regulation No. 49 the requirements for the conformity of production procedure. The expert from OICA announced that such a modification of the corresponding EU Directive was currently under development. He volunteered to prepare a proposal for the alignment of Regulations Nos. 49 and 83, once the work on the modifications to the EU Directive finalized. GRPE agreed to resume consideration of this subject, when a proposal by OICA would be ready.

12.2. ISO Round Table

Documentation: Informal document No. GRPE-50-18 of Annex 1 to this report.

51. The expert from ISO reported on the positive outcome of the recent meeting of ISO, ENGVA/IANGV and UNECE Transport and Energy Divisions. He informed GRPE about the intention of ISO to organize a Round table on the global harmonization of regulations, codes and standards for gaseous fuels and vehicles. GRPE welcomed this initiative and agreed to fully support that activity by ISO. The GRPE Chairman suggested to held the ISO Round Table in conjunction with the GRPE session in June 2006.

12.3. Tributes to Mr. S. Yamagishi, Mr. St. Rodt and Mr. G. Schweinle

52. The Chairman informed GRPE that Mr. Shigeo Yamagishi (Director of the JASIC Office in Geneva) was returning to Japan at the end of June 2005 to assume new responsibilities in the Ministry of Transport. GRPE acknowledged that, during the three last years, he had

contributed considerably to enhancing vehicles emissions reduction and thanked him. The GRPE Chairman wished him all the best in his future activities. GRPE also learned that Mr. Stefan Rodt (Germany) was departing for an early retirement and that Mr. Gerhard Schweinle (OICA) has also decided to take his retirement. The Chairman thanked them for their excellent contributions and technical expertise during all the years of participation in GRPE and wished them a long a happy retirement. GRPE expressed its appreciation to all of them with long applause.

AGENDA FOR THE NEXT SESSION

53. For its fifty-first session to be held in Geneva, Palais des Nations, GRPE decided to start on Monday, 16 January 2006, 09.30h until Friday, 20 January 2006, 12.30h, subject to confirmation by WP.29 at its June 2005 session 2/. For that purpose, the secretariat suggested the following agenda:

- (a) Informal meeting of the GRPE working group on either on Hydrogen and Fuel Cell Vehicles (HFCV) or on the World-wide Motorcycle emission Test Cycle (WMTC)

To be held on Monday, 16 January 2006, from 09.30h till 12.30h. The agenda of the meeting will be prepared by the secretariat of either HFCV or WMTC 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 Monday afternoon, 16 January 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.

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

To be held on Tuesday morning, 17 January 2006, from 9.30 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. Note by the secretariat: This meeting will be held without interpretation.

2/ Note by the secretariat: The information has been received recently that Tuesday, 10 January 2006 might be an official holiday of the United Nations Office at Geneva, subject to confirmation by the UN Services in New York. For that purpose, WP.29 decided to postpone the fifty-first session of GRPE, initially scheduled from 9-13 January 2006, to the week after. The final date would be confirmed later (see provisional agenda TRANS/WP.29/GRPE/2006/1).

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

To be held on Tuesday afternoon, 17 January 2006, from 14.30h till 17.30h. The agenda of the meeting will be prepared by the NRMM secretariat and distributed to the members of the group prior to the meeting. 2/

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

To be held on Wednesday morning, 18 January 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.

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

To be held on Wednesday afternoon, 18 January 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.

(g) Fifty-first session of the GRPE proper

To be held Thursday, 19 January 2006, from 09.30h to Friday, 20 January 2006, until 12.30h 3/:

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)

3/ 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>

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. 110 (Specific components for CNG)
 - 5.5. Regulation No. 115 (Specific LPG and CNG retrofit systems)
6. Hydrogen and Fuel Cell Vehicles (HFCV)
7. Environmentally Friendly Vehicles
8. Exchange of information on national and international requirements on emissions 4/
9. 1997 Agreement
 - 9.1. Rule No. 1
 - 9.2. Daft Rule No. 2
10. Consideration of common definitions
 - 10.1. Clarification of the scope of Regulations on pollution and energy
11. Other business

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

Annex 1LIST OF INFORMAL DOCUMENTS (GRPE-50-...)
DISTRIBUTED WITHOUT AN OFFICIAL SYMBOL DURING THE SESSION

No.	Transmitted by	Agenda item	Language	Title	Follow-up
1.	USA/OCE	1.2.	E	Eighth plenary meeting of the working group on Off-Cycle Emissions (GRPE/OCE), 21 September 2004, Chicago, USA	(a)
2.	Russian Federation	12.1.	E/R	Concerning development of type approval procedures related to verification of conformity of certified parameters	(a)
3.	China	3.	E	Proposals for amendments to the proposal of WMTC gtr	(a)
4.	WHDC	1.1.	E	Draft global technical regulation (gtr) on world-wide harmonized heavy duty emissions certification procedure	(a)
5.	EUROMOT	5.5.	E	Proposal for amendment to regulation No. 96	(a)
6.	Japan	8.	E	Outline of the 8th report of the Central Environment Council (CEC)	(a)
7.	European Commission	10.1.	E	Scope of ECE Regulations Nos. 49 and 83	(a)
8.	India	5.1.	E	Proposed amendment to ECE Regulation No. 67	(b)
9.	India	5.3.	E	Proposed amendment to ECE Regulation No. 110	(b)
10.	India	5.4.	E	Proposed amendment to ECE Regulation No. 115	(b)
11.	Switzerland	8.	E	Information about the outcome of the deliberations concerning the national proposal for regulatory provisions to cut down diesel particle emissions in Switzerland	(a)
12.	Germany	3.	E	Development of a world-wide motorcycle emission test cycle (WMTC): Status report	(a)
13.	Italy	5.3.	E	Proposal for draft amendments to Regulation No. 110	(d,e)
14.	WHDC	1.1.	E	Report from the informal meeting of the GRPE Working group on WHDC (1 June 2005)	(a)
15.	WWH-OBD	1.3.	E	Report to the 50th session of GRPE (Geneva, 2 June 2005)	(a)

No.	Transmitted by	Agenda item	Language	Title	Follow-up
16.	WWH-OBD	1.3.	E	Global technical regulation (gtr) – Draft proposal for module B	(a)
17.	WWH-OBD	1.3.	E	Global technical regulation (gtr) – Draft proposal for module C (Version #9)	(a)
18.	ENGVA/ISO	12.2.	E	Preparation of an ISO Round table on the global harmonization of regulations, codes and standards (RC&S) for gaseous fuels and vehicles	(a)
19.	EC/AEGPL	5.5.	E	Proposal for draft amendments to TRANS/WP.29/GRPE/2005/12 (Draft Corrigendum 1 to draft Supplement 1 to Regulation No. 115)	(c,d,e)
20.	South-Africa	8.	E	Republic of South Africa: Recently gazetted and imminent vehicle emission legislation: GRPE June 2005	(a)
-	Japan	8.	E	Next-generation Environmentally Friendly Vehicles project	(a)
-	ENGVA	12.1.	E	ENGVA 11th annual European NGV conference	(a)

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

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2.	Netherlands	9.1.	E	Comparaison between EU Council Directive 96/96/EC and Rule No. 1 to the 1997 Agreement	(a)
3.	Netherlands	9.1.	E	Amendment: Draft Revision 1 to Rule No. 1, version A	(c)
4.	Netherlands	9.1.	E	Amendment: Draft Revision 1 to Rule No. 1, version B	(a)

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
- (d) Adopted
- (e) To be transmitted to WP.29/AC.1

Annex 2

Paragraph 6.15.4.1. (Russian text only), correct to read:

"6.15.4.1. Материалы, из которых изготавливается то или иное устройство и которые вступают в контакт с теплообменной средой при работе устройства, должны быть совместимы с этой жидкостью и должны быть рассчитаны на то, чтобы выдерживать давление теплообменной среды 200 кПа. Материал должен соответствовать положениям, предусмотренным в пункте 17 приложения 15."

Paragraph 6.15.8.2. (Russian text only), correct the words "...средства обмена" to read "... теплообменной среды 200 кПа".
