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World Forum for Harmonization of Vehicle Regulations

Working Party on Pollution and Energy

**REPORT OF THE WORKING PARTY ON POLLUTION AND ENERGY
ON ITS FIFTY-FOURTH SESSION
(Geneva, 5 – 8 June 2007)**

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I. ATTENDANCE

1. The Working Party on Pollution and Energy (GRPE) held its fifty-fourth session from 5 to 8 June 2007, 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; Finland; France; Germany; Greece; Hungary; Italy; Japan; Netherlands; People's Republic of China; Poland; Republic of Korea; Republic of South Africa; Russian Federation; Serbia; 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: European Association of Automobile Suppliers (CLEPA); European Natural Gas Vehicle Association (ENGVA); Foundation for the Automobile and Society (FIA Foundation); International Association of Natural Gas Vehicles (IANGV); International Motorcycle Manufacturers Association (IMMA); International Organization for Standardization (ISO); International Organization of Motor Vehicle Manufacturers (OICA); Association for Emission Control by Catalyst (AECC/CEFIC); Engine Manufacturers Association (EMA); European Association of Internal Combustion Engine Manufacturers (EUROMOT); European Committee of Associations of Manufacturers of Agricultural Machinery (CEMA); Technical Committee of Petroleum Additive Manufacturers in Europe (ATC/CEFIC).

II. INFORMAL MEETINGS

2. Following the agreement reached at the fifty-third GRPE session, four informal meetings were held prior to the proper session of the fifty-fourth GRPE (see ECE/TRANS/WP.29/GRPE/2007/7, Add.1 and paras. 3 to 6 below). The informal meeting on Hydrogen and Fuel Cell Vehicles – Subgroup Environment (HFCV-SGE), initially scheduled to be held on 4 June 2007, was cancelled.

3. The eighteenth informal meeting of the GRPE working group on the emissions from Non-Road Mobile Machinery (NRMM) was held on 5 June 2007 (morning only) under the Chairmanship of Mr. G. De Santi (EC). A summary of the proceedings of this informal meeting is given below (paras. 19-20).

4. The seventeenth informal meeting of the GRPE working group on Off-Cycle Emissions (OCE) was held on 5 June 2007 (afternoon only) under the Chairmanship of Mr. T. Sherwood (United States of America). A summary of the proceedings of this informal meeting is given below (paras. 8-10).

5. The twentieth informal meeting of the GRPE working group on the Worldwide harmonized Heavy-Duty Certification (WHDC) procedure was held on 6 June 2007 (morning only) under the Chairmanship of Mr. J.P. Laguna (EC). A summary of the proceedings of this informal meeting is given below (paras. 38-39).

6. The nineteenth informal meeting of the GRPE working group on Particulate Measurement Programme (PMP) was held on 6 June 2007 (afternoon only) under the Chairmanship of Mr. C. Parkin (United Kingdom). A summary of the proceedings of this informal meeting is given below (paras. 13-14).

III. FIFTY-FOURTH SESSION OF GRPE PROPER

A. ADOPTION OF THE AGENDA (Agenda item 1)

7. GRPE inserted three new agenda items 12(a), 12(b) and 12(c), and adopted the agenda.

B. REGULATION No. 49 (Emissions of C.I. and P.I. (NG and LPG) engines) (Agenda item 2)

1. Off-Cycle Emissions (OCE) (Agenda item 2(a))

Documentation: Informal documents Nos. GRPE-54-01 and GRPE-54-02 of Annex I to this report

8. The Chairman of the OCE working group, Mr. Todd Sherwood (United States of America), reported on the progress of work made by the group during its fourteenth and fifteenth session (GRPE-54-01, GRPE-54-02), as well as during the meeting held in Geneva prior to the proper GRPE session (para. 4 above). He reminded GRPE that the scope of the gtr would cover compression ignition diesel engines only. He added that the informal group had considered five options on how to further develop the gtr.

9. Following the discussion, GRPE agreed to maintain only options 1 and 2 (finalizing first the draft gtr within the existing framework and then either developing alternative test procedures, via a new gtr or amendments to the OCE gtr, to cover a wider range of in-use operation including associated emission limits (option 1), or leaving such future development to the regional legislation (option 2)). Regardless of the option choice, the expert from EMA supported the ultimate goal of global harmonization on OCE and underlined the desire for

consistency between both, the type approval and self-certification system, as well as between the in-service and pre-production compliance test procedures.

10. The expert from the United States of America announced his intention to inform WP.29 and AC.3 about the progress made by the informal group and the GRPE decision on the options for moving forward the development of the gtr. GRPE noted that the OCE working group would meet again in San Francisco (United States of America), on 16 and 17 October 2007. GRPE agreed that the OCE working group should also meet prior to its next session (para. 43 below).

2. Amendments to UNECE Regulation No. 49 (Agenda item 2(b))

Documentation: ECE/TRANS/WP.29/2007/26; Informal documents Nos. GRPE-54-04 and GRPE-54-05 of Annex I to this report

11. GRPE recalled its decision at the previous session and had a final review of draft Revision 4 to Regulation No. 49 (ECE/TRANS/WP.29/2007/26), aligning of the provisions of the Regulation with those of the corresponding European Union (EU) directive. GRPE adopted the amendments proposed the EC in informal document No. GRPE-54-04 and requested the secretariat to submit them to WP.29 and AC.1 for consideration at their June 2007 session as Corrigendum 1 to ECE/TRANS/WP.29/2007/26.

12. Taking into account GRPE-54-05 tabled by OICA, GRPE also adopted a number of additional editorial corrections, as reproduced in Annex II to this report. The secretariat was requested to submit them, as informal document No. WP.29-142-9, to WP.29 and AC.1 also for consideration at their June 2007 session.

C. PARTICULATE MEASUREMENT PROGRAMME (PMP) (Agenda item 3)

Documentation: Informal documents Nos. GRPE-54-08-Rev.1 and GRPE-54-15 of Annex I to this report

13. The Chairman of the PMP working group, Mr. C. Parkin (United Kingdom), reported on the progress made by the working group since the previous GRPE session. Referring to GRPE-54-08-Rev.1, he announced that the light-duty inter-laboratory correlation exercise had been completed successfully and that the final report had been published. He presented a summary of the final results of that validation exercise (GRPE-54-15). GRPE acknowledged the work done and welcomed the results. A number of delegates expressed concerns about the insufficient level of reproducibility and repeatability. Mr. Parkin presented data showing that the repeatability on vehicles with current technology was better than all current regulatory emissions measurements. He added that even on vehicles equipped with a diesel particulate filter the repeatability was similar to that of particulate mass measurement and better than that of hydrocarbon and carbon monoxide measurements.

14. Mr. Parkin also reported on the progress of work made by the PMP working group on the heavy-duty inter-laboratory correlation exercise during its meeting prior to the GRPE session proper (see para. 6 above). He informed GRPE about the informal group's decision to start, after the conclusion of the exploratory work on the measurement protocol, the work on a heavy-duty

validation exercise and, in parallel, on a Round Robin exercise. He added that both validation exercises were intended to start following the completion of the investgative work at the Joint Research Centre (JRC) in Ispra (Italy) in July 2007. Thus, the first results would be presented at the next GRPE session in January 2008.

D. WORLDWIDE HARMONIZED MOTORCYCLE EMISSION TEST CYCLE (WMTC) (Agenda item 4)

Documentation: ECE/TRANS/WP.29/2007/44; ECE/TRANS/WP.29/GRPE/2007/9

15. Mr. C. Albus (Germany), chairing the WMTC working group, informed GRPE about the submission to WP.29 and AC.3, of the official proposal to amend gtr No. 2. (ECE/TRANS/WP.29/2007/44), for consideration at their June 2007 sessions. Regarding the amendments to the gtr, he introduced ECE/TRANS/WP.29/GRPE/2007/9 focusing on the improvement of the WMTC test cycle modules and the vehicle classification in relation with additional in-use data. He suggested to delete from the proposal all the parts related to the gearshift procedure. Concerning the request by AC.3 (ECE/TRANS/WP.29/1058, para. 105) to align the gtr with the amended Special Resolution No. 1 (categories of three-wheeled vehicles), Mr. Albus clarified that there was no need for such an alignment, as the scope of the gtr applied only to two-wheeled motorcycles.

16. GRPE adopted ECE/TRANS/WP.29/GRPE/2007/9, as amended below. The secretariat was requested to submit it to WP.29 and AC.3, for consideration at their November 2007 session as a first draft amendment to gtr No. 2.

Pages 5 and 6, amendments to paragraphs 6.5.5.2.1.2., 6.5.5.2.2.1., 6.5.5.2.2.2. and 6.5.5.2.3.1., should be deleted.

Pages 38 to 41, amendments to Annex 13, should be deleted.

17. Regarding the future work (performance requirements) on WMTC, the expert from IMMA underlined the need for comparative data on motorcycles emissions according to the current test procedure and the new test procedure adopted. In the absence of transitional provisions in the above mentioned draft amendment to gtr No. 2, GRPE urged the Contracting Parties to the 1998 Agreement to clarify the timing of adoption of the amended test procedure into their national legislation.

18. GRPE noted that the next meeting of the WMTC group would be held in Bonn (Germany) in September or October 2007 and agreed to resume consideration of this subject at the next GRPE session. The GRPE Chairman suggested that the WMTC working group should also meet prior to the January 2008 session (para. 43 below).

E. EXHAUST EMISSION TEST PROTOCOL FOR NON-ROAD MOBILE MACHINERY ENGINES (NRMM) (Agenda item 5)

Documentation: ECE/TRANS/WP.29/2007/43

19. The EC expert reported, on behalf of the Chairman of the NRMM informal group, on the progress of work made by the group during the recent meetings held in April (Ispra) and prior to the GRPE session (see para. 3). He informed GRPE that the preliminary and progress report (ECE/TRANS/WP.29/2007/43) on the development of the gtr on NRMM had been submitted to WP.29 and AC.3 for consideration at their June 2007 sessions. He recalled the group's intention to backup the gtr with a guidance document, which would be published either in the usual Appendix 1 to the established gtr (together with the proposal to develop the gtr and the final report on the development of the gtr) or as a separate Appendix 2 to the established gtr. He added that the discussion regarding the marking of engines was still going on within the informal group. He announced the group's intention to finalize a working draft of the test procedure by the end of this year and to present it to GRPE at its next session. Thus, the NRMM working group would meet again in Ann Arbor (United States of America), on 26 to 28 September 2007, and in Frankfurt (Germany), on 7 to 9 November 2007.

20. The GRPE Chairman suggested that the NRMM working group should also meet prior to the next GRPE session in January 2008 (para. 43 below).

F. AMENDMENTS TO OTHER UNECE REGULATIONS (Agenda item 6)

1. Regulation No. 83 (Emissions of M₁ and N₁ categories of vehicles)
(Agenda item 6(a))

Documentation: ECE/TRANS/WP.29/GRPE/2007/8; ECE/TRANS/WP.29/GRPE/2007/10; Informal documents Nos. GRPE-54-10, GRPE-54-11, GRPE-54-12, GRPE-54-14 and GRPE-54-16 of Annex I to this report

21. The expert from the United Kingdom proposed a number of typographical corrections to Regulation No. 83 (ECE/TRANS/WP.29/GRPE/2007/10). GRPE adopted the document as amended below. The secretariat was requested to submit it to WP.29 and AC.1, for consideration at their November 2007 session, as draft Corrigendum 3 to Revision 3 of Regulation No. 83.

Page 2, amendment to Annex 7, paragraph 4.2.1., correct "± 5 KPa " to read "± 0.5 kPa".

22. The expert from the United Kingdom introduced ECE/TRANS/WP.29/GRPE/2007/8 (as amended by GRPE-54-10) proposing to amend in Regulation No. 83 the current particle mass measurement procedure and to incorporate the particle number measurement procedure in line with the conclusions of the PMP particle measurement programme (see paras. 13 and 14 above). He added that limit values for both measurement procedures would be included at a later stage.

23. The experts from the EC and Switzerland recognized the work done and fully supported the documents. The experts from Belgium, Finland, the Netherlands, Serbia, and Sweden also

indicated their support for the proposal. However, the experts from France, Germany, Hungary and Italy were of the opinion that the insertion of the particle number measurement was premature as a number of remaining open issues occurred (e.g. calibration procedure, system and calibration tolerances, etc.). The experts from Spain and the Russian Federation entered reservations on the proposal. The expert from CLEPA presented GRPE-54-11 commenting on ECE/TRANS/WP.29/GRPE/2007/8. The experts from OICA introduced GRPE-54-12 and GRPE-54-14 with additional comments on the PMP situation as seen by the industry.

24. Following the discussion, several delegates expressed their preference to conclude in a first step on a number of remaining open issues before adopting the document. At the request of the GRPE Chairman, the expert for the United Kingdom outlined a further work programme (GRPE-54-16) aiming at addressing the concerns expressed and developing a revised proposal for January 2008. The expert from OICA raised the need for the insertion of a suitable lead-time for the integration of the measurement system and the availability of sufficient numbers of production systems. GRPE endorsed the roadmap and agreed to resume its consideration at the next GRPE session on the basis of an updated document.

2. Regulation No. 110 (Specific components for CNG) (Agenda item 6(b))

Documentation: ECE/TRANS/WP.29/GRPE/2007/12; ECE/TRANS/WP.29/GRPE/2007/13

25. The expert from OICA withdrew ECE/TRANS/WP.29/GRPE/2007/12.

26. Recalling its decision (ECE/TRANS/WP.29/GRPE/53, para. 39) to seek the advice of WP.29 regarding issues not related to pollution and energy but to specific safety, GRPE noted WP.29's decision (ECE/TRANS/WP.29/1058, para. 30) that GRSP should undertake the further responsibility of Regulation No. 100 (Battery electric vehicles).

27. The expert from Italy introduced ECE/TRANS/WP.29/GRPE/2007/13 proposing the insertion into Regulation No. 110 of new specifications for the pressure relief device, the burst disc and some editorial corrections. The proposal received some comments. The expert from Italy volunteered to prepare a new document, taking into account the comments received and the final decision by WP.29 in June 2007 to shift the responsibility for Regulation No. 110 to the Working Party on General Safety Provisions (GRSG).

3. Regulation No. 115 (Specific LPG and CNG retrofit systems) (Agenda item 6(c))

Documentation: ECE/TRANS/WP.29/GRPE/2007/11

28. The expert from the Netherlands introduced ECE/TRANS/WP.29/GRPE/2007/11 proposing to amend Annex 5 of the Regulation with regard to the fixing of the fuel container.

29. GRPE adopted the proposal, not amended. The secretariat was requested to submit it to WP.29 and AC.1, as draft Supplement 3 to Regulation No. 115, for consideration at their November 2007 sessions.

4. Collective amendments to Regulations regarding the extension of their scopes to three-wheelers (Agenda item 6(d))

30. GRPE noted the preference by India to withdraw this subject, as it would imply to extend also the scopes of Regulations Nos. 40, 67, 83, 85, 100 and 110. GRPE agreed to remove this subject from its agenda.

G. HYDROGEN AND FUEL CELL VEHICLES – SUBGROUP ENVIRONMENT (HFCV-SGE) (Agenda item 7)

Documentation: ECE/TRANS/WP.29/2007/41; Informal documents Nos. GRSP-41-30 and WP.29-141-19 of Annex I to this report

31. M. Albus, HFCV Project Manager, informed GRPE about the submission by the co-sponsors (Germany, Japan and United States of America) of an official proposal to develop a gtr on hydrogen and fuel cell vehicles to WP.29 and AC.3 for consideration at their June 2007 sessions (ECE/TRANS/WP.29/2007/41 based on WP.29-141-19). He reported on the presentation of the current status of the HFCV project (see GRSP-41-30) given to GRSP during its last session in May 2007 and the outcome of its discussion.

32. GRPE noted the cancellation of the informal meeting initially scheduled to be held on 4 June 2007 and the intention of the Subgroup Safety to meet again on 20 and 21 September 2007 in Bonn (Germany). GRPE agreed to resume consideration of this subject at its next session in January 2008. For this purpose, the Subgroup Environment (SGE) should also meet prior to that GRPE session (see para. 43 below).

H. ENVIRONMENTALLY FRIENDLY VEHICLES (EFVs) (Agenda item 8)

Documentation: Informal document No. WP.29-141-15 of Annex I to this report

33. The expert from Germany confirmed that the third EFV Conference would be held in Dresden (Germany) on 19 and 20 November 2007. He recalled the information (WP.29-141-15) which he had provided to WP.29 at its March 2007 session. He re-affirmed that the targets of the Conference were realistic goals. He added that WP.29 would be involved in the development of EFVs for its expertise by GRB (noise), GRRF (tyres) and GRPE (emissions). He concluded that more information on the third EFV Conference was available at the website:

<<http://www.bmvbs.de/en/artikel-,1872.990665/3rd-International-Environmenta.htm>>.

34. GRPE welcomed the information and fully endorsed the initiative. GRPE noted with satisfaction that WP.29 had mandated Mr. B. Gauvin for representing the World Forum at the conference. It was agreed to resume consideration of this subject at the next session, looking forward to receiving detailed results of the EFV Conference.

I. EXCHANGE OF INFORMATION ON NATIONAL AND INTERNATIONAL REQUIREMENTS ON EMISSIONS (Agenda item 9)

Documentation: Informal documents Nos. GRPE-54-09, GRPE-54-17 and GRPE-54-18 of Annex I to this report

35. Referring to GRPE-54-09, the expert from Switzerland announced the intention of his government to introduce the new limit values for the emission of particulate at the same time as EURO 5 in 2009. GRPE noted the information by the United States of America on their recent rulemaking activities concerning emissions from locomotive and marine diesel engines (GRPE-54-17 and GRPE-54-18).

J. 1997 AGREEMENT (INSPECTIONS) (Agenda item 10)

Rule No. 1 (Agenda item 10(a))

36. GRPE noted that the amendments to articles 1, 2, 12 and to Appendix 2 to the 1997 Agreement would enter into force on 4 July 2007. This fact would make possible the accession of the European Community to the Agreement. GRPE agreed to remove this item from its agenda and to re-insert it when a concrete proposal would be available for amending Rule No. 1.

K. ELECTION OF OFFICERS

37. 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 GRPE sessions scheduled for the year 2008.

L. OTHER BUSINESS (Agenda item 12)

1. Gtr No. 4 (WHDC) (Agenda item 12(a))

Documentation: ECE/TRANS/WP.29/2007/42; Informal document No. GRPE-54-03 of Annex I to this report

38. GRPE noted the proposal (ECE/TRANS/WP.29/2007/42), submitted to WP.29 and AC.3, to amend gtr No. 4 on WHDC. Mr. J.P. Laguna (EC), chairing the WHDC working group, introduced GRPE-54-03 regarding the remaining options in the gtr (engine power determination, reference fuel, hot soak period, cold start weighing factors and particulate filter material, etc.). He reported on the progress of work done by the re-established working group following its twentieth meeting (para. 5 above) prior to the GRPE session. He announced the WHDC working group's intention to meet again in San Francisco (United States of America), on 18 and 19 October 2007, in conjunction with the OCE working group (see para. 10 above).

39. The GRPE Chairman suggested that the WHDC group should also meet again in Geneva prior to the GRPE session in January 2008 (see para. 43 below).

2. WP.29 Round table on automobile fuel quality (Agenda item 12(b))

Documentation: Informal document No. GRPE-54-07 of Annex I to this report

40. The expert from OICA introduced GRPE-54-07 concerning the draft programme for the WP.29 Round table on automobile fuel quality, intended to be held during the November 2007 session of WP.29. The Chairman clarified that, during the Round table, a Panel of Experts would lead the discussion and that contributions from all stakeholders could be included. GRPE fully endorsed the programme proposed by OICA and invited all delegations, especially those of China, India, Japan and the United States of America to confirm their participation, if possible. GRPE noted that a definitive programme would be finalized at the WP.29 June 2007 session.

3. Establishment of an informal group on gas-fuelled vehicles

Documentation: Informal document No. GRPE-54-13 of Annex I to this report

41. The expert from CLEPA proposed to establish a new informal group on gas-fuelled vehicles (GRPE-54-13 tabled by AEGPL, ENGVA, CLEPA and IANGV). GRPE agreed on the establishment and elected Mr. André Rijnders (The Netherlands) as Chairperson of the informal group. The expert from ENGVA volunteered to take over the function of the group's secretary. The GRPE Chairman announced his intention to seek WP.29's consent, at the June 2007 session, on that establishment. GRPE clarified that the informal group should concentrate only on issues related to the emission of pollutants and to the environmental pollution, pending the decision of WP.29 at its June 2007 session. GRPE invited the informal group to prepare the terms of reference as well as the rules of procedure and to submit them to WP.29.

4. Tributes to Mr. W. Charmley and Mr. H. Gehrig

42. Learning that Mr. William Charmley (United States of America) would no longer attend the sessions, GRPE acknowledged his fruitful and professional contributions to GRPE's activities as Chairman of the OCE working group over the last two years. GRPE also learned that Mr. Hans Gehrig (EMA) has decided to take his retirement and thanked him for the excellent technical expertise during all the years of participation.

IV. PROVISIONAL AGENDA FOR THE NEXT SESSION

43. For its fifty-fifth session to be held in Geneva, Palais des Nations, GRPE decided to start on Monday afternoon, 14 January 2008, 2.30 p.m. until Friday, 18 January 2008, 12.30 a.m. For that purpose, the following agenda was agreed:

A. INFORMAL MEETINGS IN CONJUNCTION WITH THE GRPE SESSION PROPER

1. Informal meeting of the GRPE working group on Hydrogen and Fuel Cell Vehicles – Subgroup Environment (HFCV-SGE)
To be held on Monday afternoon, 14 January 2008, from 2.30 p.m. till 5.30 p.m.
The agenda of the meeting will be prepared by the HFCV-SGE secretariat and distributed to the members of the group prior to the meeting. This meeting will be held without interpretation.
2. Informal meeting of the GRPE working group on the Worldwide harmonized Motorcycle emission Test Cycle (WMTC)
To be held on Tuesday morning, 15 January 2008, from 9.30 a.m. till 12.30 a.m.
The agenda of the meeting will be prepared by the WMTC secretariat and distributed to the members of the group prior to the meeting. This meeting will be held without interpretation.
3. Informal meeting of the GRPE working group on the emissions of Non-Road Mobile Machinery (NRMM)
To be held on Tuesday afternoon, 15 January 2008, from 2.30 p.m. till 5.30 p.m.
The agenda of the meeting will be prepared by the NRMM secretariat and distributed to the members of the group prior to the meeting.
4. Informal meeting of the GRPE working group on Off-Cycle Emissions (OCE)
To be held on Wednesday morning, 16 January 2008, from 9.30 a.m. till 12.30 a.m.
The agenda of the meeting will be prepared by the OCE secretariat and distributed to the members of the group prior to the meeting.
5. Informal meeting of the GRPE working group on the World-wide harmonized heavy-duty certification procedure (WHDC)
To be held on Wednesday afternoon, 16 January 2008, from 2.30 p.m. till 5.30 p.m.
The agenda of the meeting will be prepared by the WHDC group secretariat and distributed to the members of the group prior to the meeting.

B. PROVISIONAL AGENDA FOR THE FIFTY-FIFTH SESSION OF THE GRPE PROPER

To be held on Thursday, 17 January 2008, from 9.30 a.m. to Friday, 18 January 2008, until 12.30 a.m.: 1/

1. Regulation No. 49 (Emissions of C.I., NG, and P.I. (LPG) engines):
 - (a) Off-Cycle Emissions (OCE);
 - (b) World-wide harmonized heavy-duty certification procedure (WHDC);
 - (c) Amendments to UNECE Regulation No. 49.
2. Particle Measurement Programme (PMP).
3. Development of a worldwide motorcycle emission test cycle (WMTC).
4. Exhaust emissions test protocol of Non-Road Mobile Machinery (NRMM).

5. Amendments to other UNECE Regulations:
 - (a) Regulation No. 83 (Emissions of M₁ and N₁ categories of vehicles).
6. Hydrogen and Fuel Cell Vehicles – Subgroup Environment (HFCV-SGE).
7. Environmentally Friendly Vehicles (EFV).
8. Exchange of information on national and international requirements on emissions. 2/
9. Other business.

1/ As part of the secretariat's efforts to reduce expenditure, all the official documents distributed by mail prior to the session as well as the informal documents placed on the UNECE WP.29 website, will not be available in the conference room for distribution to session participants. Delegates are kindly requested to bring their copies of documents to the meeting. (The WP.29 website address is: <http://www.unece.org/trans/main/welcwp29.htm> select GRPE and find "working documents" as well as "informal documents"). For the translation of the above-mentioned official documents, delegates can now access the new public Official Document System (ODS) at the website address: <http://documents.un.org>.

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

Annex I

LIST OF INFORMAL DOCUMENTS (GRPE-54-...)
DISTRIBUTED WITHOUT AN OFFICIAL SYMBOL DURING THE SESSION

No.	Transmitted by	Agenda item	Language	Title	Follow-up
01.	OCE	2(a)	E	Fourteenth plenary meeting of the working group on Off-Cycle Emissions, 6 June 2006, Geneva	(a)
02.	OCE	2(a)	E	Fifteenth plenary meeting of the working group on Off-Cycle Emissions, 10 and 11 October 2006, Ann Arbor, Michigan, USA	(a)
03.	WHDC	2.	E	Global technical regulation (gtr) No. 4 (WHDC)	(a)
04.	EC	2(b)	E	EC proposal for a Corrigendum relating to document ECE/TRANS/WP.29/2007/26 (Regulation No. 49)	(b)
05.	OICA	2(b)	E	OICA proposal for a Corrigendum relating to document ECE/TRANS/WP.29/2007/26 (Regulation No. 49)	(c)
06.	Secretariat	I(a)	E	Cancellation of the informal meeting of the GRPE working group on Hydrogen and Fuel Cell Vehicles - Subgroup Environment (HFCV-SGE)	(a)
07.	OICA	12(b)	E	WP.29 Round table on automobile fuel quality	(a)
08.	United Kingdom	3.	E	Particulate Measurement Programme (PMP): Light-duty inter-laboratory correlation exercise (ILCE-LD) - Final report	(a)
09.	Switzerland	9.	F	Poussières fines: le Conseil fédéral Suisse veut introduire la valeur limite d'émission de particules diesel en même temps que la norme EURO 5 en 2009	(a)
10.	United Kingdom	6(a)	E	UK proposal to amend document ECE/TRANS/WP.29/GRPE/2007/8 (R.83)	(a)
11.	CLEPA	6(a)	E	Comment on working document ECE/TRANS/WP.29/GRPE/2007/8 (R.83)	(a)
12.	OICA	6(a)	E	OICA detailed comments on formal document ECE/TRANS/WP.29/GRPE/2007/8 (R.83)	(a)

No.	Transmitted by	Agenda item	Language	Title	Follow-up
13.	CLEPA	12(c)	E	Proposal for an informal GRPE group on gas-fuelled vehicles	(a)
14.	OICA	6(a)	E	PMP situation as seen by OICA	(a)
15.	United Kingdom	3.	E	Light-duty Inter-laboratory Correlation Exercise - Summary	(a)
16.	United Kingdom	6(a)	E	PMP roadmap to January 2008	(a)
17.	USA	9.	E	Recent rulemaking activities of interest in the United States	(a)
18.	USA	9.	E	U.S. EPA locomotive and marine diesel proposal	(a)

Consideration of informal documents from other sessions of WP.29 or its subsidiary Working Parties

(referring to the agenda item of the current GRPE session)

41st GRSP session

30.	Germany	7.	E	The Hydrogen- and Fuel Cell Vehicle (HFCV) gtr project	(a)
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141st WP.29 session

15.	Germany	8.	E	EFV Conference 2007 in Germany	(a)
19.	Germany, Japan, United States of America	7.	E	Hydrogen Fuel Cell Vehicle gtr action plan	(a)

Notes:

- (a) Consideration completed or to be superseded
- (b) Adopted and submitted to WP.29 as an official document
- (c) Adopted and submitted to WP.29 as an informal document

Annex II

ADOPTED AMENDMENTS TO ECE/TRANS/WP.29/2007/26 AND Corr.1
(Draft Revision 4 to Regulation No. 49) (see paragraph 12 of this report)

EDITORIAL CORRECTIONS TO ECE/TRANS/WP.29/2007/26:

Table of contents, rename "Annex 10" and "Annex 11" as "Annex **4B**" respectively as "Annex **9B**" and re-arrange the text for both annexes after Annex 4A respectively after Annex 9A.

Page 36, paragraph 5.5.1.6., correct "Community" to read "**Contracting Parties**".

Page 73, Annex 1, Appendix 2, item 2.1.1., the table, correct "Fuel flow" to read "Fuel **delivery**".

Page 134, Annex 4A, Appendix 2, paragraph 5.4.1, amend to read:

".....

Alternatively, if the fuel composition is not known, the following stoichiometric factors may be used:

F_S (diesel)	=	13.4
F_S (LPG)	=	11.6
F_S (NG)	=	9.5
F_S (Ethanol)	=	12.3

EDITORIAL CORRECTIONS TO ECE/TRANS/WP.29/2007/26/Corr.1:

Page 5, paragraphs 6.1.3., correct "engine-driven equipment" to read "engine driven **auxiliaries**".

Page 5, Annex 1 - Appendix 4, item 4, correct "engine-driven equipment" to read "engine driven **auxiliaries**" (2 times) and correct the reference to "paragraph 5.1." to read "paragraph **5.1.1.**" (2 times).
