

REPORT OF THE WORKING PARTY ON POLLUTION AND ENERGY (GRPE)
SPECIAL INFORMAL MEETING
(15 September 2003)

ATTENDANCE

1. GRPE held a Special Informal Meeting on 15 September May 2003, under the chairmanship of Mr. M. Dunne (United Kingdom).

2 The aim of the Special Informal Meeting was explained and the working papers for the meeting described. It was agreed that, as the Secretariat could only be present for part of the meeting, Dr Holman would provide the secretarial service for the meeting.

REGULATION NO. 67 (EQUIPMENT FOR LPG)

Documentation: Informal document No. 3 of annex 1 to this report.

3 The expert from Italy presented a proposal for amending WP.29's document TRANS/WP.29/2001/61 concerning provisions for a Euro filling unit for LPG vehicles. The proposal re-introduced provisions for a filling unit in two parts, as described in the initial AEGPL proposal TRANS/WP29/GRPE/2001/8. He justified the proposal on the grounds that the 1.4 million existing LPG vehicles in Italy would need to be modified to use the new Euro filling unit and, as there are no self-service LPG filling stations in Italy, the safety and environmental issues of using an adapter would be minimal.

4 Following discussion the meeting agreed that there was insufficient time for AEGPL to agree to the proposal given the European Commission's CATP meeting in October and the deadline for submission of formal documents for the next GRPE session in January. There was also insufficient Government support for the proposal. It was agreed that the original document will be discussed at the WG29 131st session in November.

PARTICLE MEASUREMENT PROGRAMME (PMP)

Documentation: Informal documents 1, 4, 5, 6, 7, 8, 9 and 10 of annex 1 to this report.

a) Governments' PMP report

5 Dr C. Holman presented the PMP report representing the individual contributions from the Governments of France, Germany, Sweden, Switzerland and the United Kingdom (informal paper 1). An electronic version of the report had been distributed prior to the meeting to delegates; copies of the printed version were available at the meeting.

6 The PMP Chairman, Mr M. Dunne (United Kingdom), explained that the purpose of the meeting was to find solutions and to initiate the discussion of proposals. With this aim in mind the UK delegation tabled two proposals to amend Regulations 83 (informal paper 6) and Regulation 49 (informal document 7).

7 The expert from Japan presented their thoughts on the way forward (informal paper 8) and the expert from France presented the results of their reproducibility studies (informal document 10). The experts from OICA and EMA provided their responses to the Governments' report (informal documents 9 and 5 respectively) and it was agreed that the Governments involved would consider industry's comments during the development of further proposals.

b) Calibration

8 Dr J. Schlatter from the Swiss Federal Office of Metrology and Accreditation (METAS) presented possible approaches for the calibration of number counting measurement systems. It was agreed that further work is required and that a repeatability of 30% is too high

c) Draft Amendments to Regulations 83 (light duty vehicles) and 49 (heavy duty engines)

9 Two discussion documents on draft amendments to the Regulations were tabled by the UK delegation (Informal Documents 6 and 7 for light duty vehicles and heavy duty engines respectively). The expert from the United Kingdom explained that they were very initial proposals prepared by technical experts, which the UK Government itself had not yet reviewed. The proposals were based on the draft test protocols developed as part of PMP and the experience of the Governments research using them. The aim is to refine the documents and make firm proposals for the next GRPE sessions. He asked for responses to the initial proposals as soon as possible.

10 The expert from the European Commission explained that discussions on new emissions limits for light duty vehicles (Euro V) and heavy-duty engines (Euro VI) had been initiated and that the proposals will be carried forward as part of the CAFE programme. There will be consultation on the package of measures to be considered in CAFE in 2004, with a discussion document issued early in the year. The initial focus will be on light duty vehicles, with European Commission proposals scheduled for early 2005. The heavy-duty engine proposals will be developed later. He supported discussion of the UK proposals in the January GRPE session as this would fit in with the Commission's programme of work.

11 The expert from OICA raised the issue of partial dilution systems and the expert from the United Kingdom confirmed that they were not seeking to exclude these systems from the regulations. He also confirmed that the proposals will include a performance specification for a number based system, which would not be specific to a particular type of instrument. It would also include a modified gravimetric mass method, using elements of the US 2007 heavy-duty test procedure and drawing on the experience gained in PMP.

12 The Chairman welcomed industry's involvement in the development of the proposals. It was agreed that to get a firm proposal by January additional meetings may be needed prior to the next GRPE session. These will focus on light duty vehicles to fit in with the European Commission's schedule. The first priority would be defining the mass measurement system.

13 The current discussion documents have identified the need for a restructuring of the Regulations, but this is a drafting issue for later, once the fundamental issues have been agreed.

14 The Chairman welcomed the OICA offer of assistance with meeting rooms and welcomed their contributions

d) Inter-laboratory Testing

15 The Chairman explained that the proposed measurement system(s) will need validation in a number of laboratories, but that this would not be a traditional round robin testing exercise. It is proposed that the participating laboratories would be inspected to ensure that they were in conformity with the 'spirit' of the proposal and to identify different interpretations of the proposal. This is necessary to ensure good correlation between laboratories. It is proposed to use a 'golden vehicle' accompanied by a 'golden technician' to ensure maximum consistency of approach.

16 It was agreed that proposals for the inter-laboratory testing be developed in parallel with the development of the proposals for the amendments to the Regulations.

17 The Chairman encouraged industry to make proposals for this inter-laboratory testing and any support would be welcome.

e) Technology Assessment

18 It was agreed that the technology assessment phase of PMP will need to be undertaken as soon as the test protocols have been agreed to ensure that the European Commission's timescales are met. The Chairman asked the meeting to consider whether this should be run in parallel with the inter-laboratory testing, and to discuss at the ad hoc meeting(s) to be arranged before the next GRPE sessions. In addition, industry was asked whether they could consider providing a vehicle and heavy duty engine for this exercise.

f) Next Steps

19 The expert from the United Kingdom agreed to circulate dates for a meeting to be held at the end of October. This meeting will be restricted to a discussion of amendments to Regulation 83 for light duty vehicles.

Annex 1

LIST OF INFORMAL DOCUMENTS DISTRIBUTED DURING THE MEETING

No.	Transmitted by	Agenda item	Language	Title
1.	United Kingdom	2	E	Report on the GRPE Particle Measurement Programme (PMP) - Government sponsored work programmes - July 2003
2.	United Kingdom		E	GRPE provisional agenda for the special informal meeting
3.	Italy	1	E	Proposal for addendum 1 to the proposal for the draft Supplement 2 to the series of amendments to Regulation No. 67
4.	Switzerland	2	E	Demonstration of feasibility of reproducible particle number measurements
5.	EMA	2	E	Response and recommendations of the Engine Manufacturers Association to the GRPE Particle Measurement Program report
6.	United Kingdom	2	E	PMP discussion document - Draft amendments to Regulation No. 83
7.	United Kingdom			PMP discussion document - Draft amendments to Regulation No. 49
8.	Japan	2	E	Japanese comment on the PMP Government Sponsored Work Programmes Report
9.	OICA	2	E	Comments on the recommendations of the government research project for the GRPE Particle Measurement Programme
10.	France	2	E	Supplement to report of the GRPE Particle Measurement Program