

Minutes of the 5th Meeting of GRPE informal group on Environmentally Friendly Vehicles (EFV)

1. The GRPE informal group on Environmentally Friendly Vehicles (EFV) held its 5th meeting on 25th November 2009 at New Delhi (India) under the Chairmanship of Mr. Ambuj Sharma, IAS, Joint Secretary, Government of India, Department of Heavy Industry (DHI), Ministry of Heavy Industries & Public Enterprises (MoHI&PE).

I WELCOME AND ORGANISATIONAL ISSUES

2. The chairman opened the 5th informal group meeting and welcomed all the participants. He welcomed former chairman of informal group Mr. Christoph Albus and Mr. Romain Hubert, Secretary GRPE and GRB. He thanked UN-ECE/WP.29/GRPE and EFV informal group members for giving the opportunity to India for hosting and chairing this meeting. He thanked all the members for the excellent work carried in earlier meetings. He expressed that the deliberations in the 4th EFV Conference held on 23rd and 24th November 2009, New Delhi (India) had set the background and the exchange of thoughts in the conference would be useful in this meeting for laying down the future work plan.

3. Members congratulated and thanked India for organizing 4th EFV Conference and expressed that it was well organized and impressive. Chairman expressed that outcome of the conference will be helpful to address the issues in the informal group meeting and will be more successful together before next EFV Conference.

4. The chairman gave an overview about the available documents and thanked everybody who contributed.

II ADOPTION OF AGENDA

Documentation: Working papers Nos. EFV-05-01/ Rev. 1, EFV-05-02.

5. The EFV group noted the agenda (EFV-05-01/Rev.1). The expert from OICA proposed revision in agenda point No. 7 (EFV-05-02) and stated that GRPE had considered “EFV concept” as in general and intention was not to restrict only to reduction of CO₂ and pollutant emission and aspects of noise, life cycle etc. were also to be considered for holistic approach. The informal group agreed upon the proposal and adopted agenda with following modifications

“7. Approaches to an "EFV concept" (All road vehicles involved in reduction of ~~CO₂ and pollutant emissions~~ **adverse impact on environment**).”

III ADOPTION OF THE MINUTES (4th EFV informal group meeting)

Documentation: Working paper No. EFV-04-10.

6. The EFV group noted the minutes of 4th meeting held on 22 / 23 April 2009 in Brussels (Belgium) (EFV-04-10) and adopted them without an amendment.

IV ESTABLISHMENT OF THE EFV INFORMAL GROUP IN THE 2nd PHASE

7. The informal group was established for its 2nd phase activities under the chairmanship of India as given below. The members agreed upon the composition.

- **Chairman:** Mr. Ambuj Sharma, IAS, Joint Secretary, Department of Heavy Industry (DHI), Ministry of Heavy Industries & Public Enterprises (MoHI&PE), Government of India.
- **Co-Chairman :** Mr. Shrikant R. Marathe, Director, ARAI (India)
- **Secretary:** Mr. Vikram Gulati, Director, Department of Heavy Industry (DHI), Ministry of Heavy Industries and Public Enterprises (MoHI&PE), Government of India.

Chairman thanked the members and complimented for completing the 1st phase successfully. He expressed that with the continual support, cooperation and contribution from the members, group would complete the proposed 2nd phase and future work on EFV.

V REPORT 58th GRPE SESSION (JUNE 2009), 148th WP.29 SESSION (JUNE 2009) AND 149th WP.29 SESSION (NOVEMBER 2009)

Documentation: ECE/TRANS/ WP.29/GRPE/58, GRPE-58- 02, GRPE-58- 03, GRPE-58- 05 and GRPE-58- 06

ECE/TRANS/ WP.29/1077, WP.29-148-11 and WP.29-148-26.

8. Mr. Christoph Albus, gave briefly an overview about the relevant contents of the 58th GRPE session (June 2009) as given below:

- EFV informal group presented the background document (Informal Doc. No. GRPE-58-02) regarding the feasibility statement for the development of a methodology to evaluate EFV.
- A document on harmonized EFV concept could be adopted as a Special Resolution or Consolidated Recommendation under the umbrella of the 1998 or 1958 Agreement.
- A clear political statement and guidance from WP.29 and the EFV Conference were needed.

- International Energy Agency (IEA) introduced Informal Doc. No. GRPE-58-06 underlining the importance of EFV and the need to improve the energy efficiency in the transport sector.
 - OICA (International Organization of Motor Vehicle Manufacturers) underlined that a single and unique evaluation method would be impossible to develop, due to the fact that environmental indicators were generally based on the regional or temporal situations which would result in different sets of weighing factors (Informal Doc. No. GRPE-58-05).
 - GRB (Working Group on Noise) should also be involved in the development of such an evaluation methodology.
 - GRB had inserted a new item on EFV on the agenda of its session in September 2009.
 - A summary on the feasibility statement (Informal Doc. No. GRPE-58-03) to be presented to WP.29, at its June 2009 session.
9. Mr. Romain Hubert, Secretary GRPE and GRB, gave briefly an overview about the relevant contents of the 148th Session of WP.29 (June 2009) regarding EFV:
- Informal Group Chairman gave a presentation (Informal Doc. No. WP.29-148-26) about the work of the informal group on EFV regarding the development of a methodology to evaluate the "EFV" concept (Informal Doc. No. WP.29-148-11).
 - The development of a harmonized "EFV" concept was feasible from a procedural point of view, i.e. in a Special Resolution and/or as a Consolidated Recommendation under the umbrella of the 1998 and/or the 1958 Agreements and not as a new regulation.
 - For the time being, the informal group considered that it would not be possible to develop a single and unique evaluation method due to the fact that environmental indicators were generally based on regional or temporal situations which would result in different sets of weighting factors.
 - Political guidance was requested from both WP.29 and the 4th EFV Conference, especially with respect to the needs of the target groups and possible applications of an "EFV" concept.
 - WP.29 approved the feasibility statement (Informal Doc. No. WP.29-148-11).
10. Mr. Hubert informed that the report of 149th session of WP.29 (November 2009) was yet be released.

VI REPORT ABOUT THE 4TH EFV CONFERENCE IN NEW DELHI (INDIA)

11. Chairman informed that in continuation of work of EFV group, 4th EFV Conference, had considered earlier work done and proposed approaches. The 2nd step shall be based on the outcome of the 4th EFV Conference, the development of detailed concept and a proposal for an EFV evaluation method to WP.29 and to the 5th EFV Conference (2011/12). He also suggested 3rd step shall be based on the 2nd step development of document (Special Resolution or Consolidated Resolution), and adoption by WP.29. Further to this the “Conclusion Paper” of the 4th International Conference on Environmentally Friendly Vehicles (EFV Conference) was tabled for discussion. Members appreciated and agreed upon the conclusion of conference. It was agreed to forward “Conclusion Paper” as an informal document to GRPE and GRB.

VII APPROACHES TO AN "EFV CONCEPT" (All road vehicles involved in reduction of adverse impact on environment)

Documentation : EFV-05-03 (IEA presentation)

12. Members agreed that totally holistic approach is not possible to define the EFV concept as several issues are involved such as :

- type of fuel
- fuel dependant/fuel neutral
- CO₂ emissions
- fuel efficiency
- noise
- tank to wheel
- ECO driving
- labeling system
- effect of ancillary system (heating, air conditioning, steering pump)
- definition of EFV, evaluation and testing procedure in the different regions etc.

13. It will be beneficial and practically possible to start with the simple concept which can be extended at a later stage. Concerning the environmental criteria we may start with the CO₂ emissions /fuel efficiency.

14. Considering the wide view expressed and open questions, it was agreed that all open questions should be listed and sent to WP.29. It would be advisable to link the informal group meeting with GRPE for further deliberations and suggestions

VIII ROADMAP FOR THE 2nd EFV PHASE

15. It was agreed that the attempt would be made to draw a road map for 2nd phase based on the various aspects and open questions which would be discussed in the informal group meeting to be held in conjunction with GRPE session (Jan 2010)

IX ANY OTHER BUSINESS

16. The EFV group noted that no new information was presented under this agenda.

X NEXT STEPS AND SCHEDULE

- 6th meeting of informal group would be held on 15th January 2010, Friday at 14:30 hr. Room no. 7, Palais Des Nations, Geneva in conjunction with 59th GRPE session. Secretariat was requested circulate provisional agenda for the meeting.
- It was proposed to hold next meetings of informal group in conjunction with next WP.29 and GRPE sessions as follows:
 - WP.29 Sessions (March, June and November 2010)
 - GRPE session (June 2010)
- It was agreed to report the progress of informal group to GRPE in its 59th session (Jan 2010).
