

Working paper **EFV-09-10**  
(Geneva, 15 February 2011)

# **Informal Group on Environmentally Friendly Vehicles EFV**

**15<sup>th</sup> February 2011**

**Geneva**

# Introduction

- Need to form the group:
  - Challenge in front of transport policymakers to tackle climate change.
  - Challenge to improve energy efficiency
- During 143<sup>rd</sup> session of WP.29 in November 2007, World Forum agreed to establish Informal Group on EFV under GRPE and GRB.

# Objectives and Terms of Reference

- Continue the fruitful between WP.29 and the future EFV conferences
- Progress report to GRPE and WP.29
- Regular status report to the G8 leaders
- Successful development of a harmonised evaluation method

# EFV Conferences

- 1<sup>st</sup> Conference: 23-24 January 2003, Tokyo
- 2<sup>nd</sup> Conference: 10 -11 November 2005, Birmingham
- 3<sup>rd</sup> Conference: 19 – 20 November 2007, Dresden
- 4<sup>th</sup> Conference: 23 – 24 November 2009, New-Delhi
- 5<sup>th</sup> Conference: 2012 USA

# Informal Group Meetings

| <b>Meeting</b>             | <b>Chairman</b>                 | <b>Venue</b>          | <b>Date</b>        |
|----------------------------|---------------------------------|-----------------------|--------------------|
| 1 <sup>st</sup> IG Meeting | Mr. Christoph Albus (Germany)   | Geneva                | 6 June 2008        |
| 2 <sup>nd</sup> IG Meeting | Mr. Christoph Albus (Germany)   | Bonn<br>(Germany),    | 31 October 2008    |
| 3 <sup>rd</sup> IG Meeting | Mr. Christoph Albus (Germany)   | Geneva                | 15/16 January 2009 |
| 4 <sup>th</sup> IG Meeting | Mr. Christoph Albus (Germany)   | Brussels<br>(Belgium) | 22/23 April 2009   |
| 5 <sup>th</sup> IG Meeting | Mr. Ambuj Sharma (India)        | New-Delhi<br>(India)  | 25 November 2009   |
| 6 <sup>th</sup> IG Meeting | Mr. Shrikant R. Marathe (India) | Geneva                | 15 January, 2010   |
| 7 <sup>th</sup> IG Meeting | Mr. Ambuj Sharma (India)        | Geneva                | 11 June 2010       |
| 8 <sup>th</sup> IG Meeting | Mr. Shrikant R. Marathe (India) | Geneva                | 14 January 2011    |

- Several discussions on the subject since June 2008 when the first EFV IG meeting took place.
- The EFV group had changed, at its 4<sup>th</sup> IG meeting held in April 2009, the name of the Feasibility Statement to: “Background document regarding the Feasibility Statement for the development of a methodology to evaluate Environmentally Friendly Vehicles (EFV)” and hosted as Informal document GRPE 58-02.

# Proposed schedule for the continuation of work on EFV issue

- **1st step:** To send the Feasibility Statement to WP.29 and to 4th EFV Conference in India (Nov 2009) for deliberation and discussion.
- **2nd step:** Based on the outcome of the 4<sup>th</sup> EFV, the development of a detailed concept and a proposal for an EFV evaluation method to WP.29 and to the 5th EFV conference (2012).
- **3rd step:** Based on step 2, development of a document (Special Resolution or Consolidated Resolution), and adoption by WP.29.

➤ **Earlier discussions of EFV phase stated that:**

- Focusing solely on the vehicle may not yield required results.
- Development has to consider a holistic approach, e.g. Energy consumption and the emission of GHG have to be evaluated on the basis of an integrated well-to-wheels approach which comprises well-to-tank and tank-to-wheels emissions.
- Lifecycle evaluation, i.e. development - production - use - disposal of vehicles, should be examined as well.
- Integrated Approach to be followed.

➤ **However, it was concluded that, from a technical and scientific point of view, it was not feasible to develop an entire holistic EFV concept, because there are differences and multiple specifications, weightings, factors subject to regional or temporal circumstances and data availability concerning environmental aspects.**



# Parameters to assess EFV:

Over the last few meetings we have been concentrating on the following parameters

- *CO2 Emissions*
- *Regulated Pollutants*
- *Noise*
- *Recycling*
  
- *Further discussions to be continued*

## Points for Discussion on Guidelines of developing EFV assessment methodology

1. Information to the customer for making an informed choice of buying a vehicle
2. No new mandatory regulation to be developed. Use available standards
3. Introduction on a voluntary basis
4. Approach should be technology/segment neutral
5. Customer should not be given confusing, misleading and unnecessary overload of information
6. Avoid oversimplification to arrive at a single index no.
7. Only TTW emissions for assessment of EFV. WTT information to be captured in preamble.

**Need to firm up the thinking and proceed.**

**Thank You**