

Submitted by the EVE informal working group

Informal document **GRPE-69-26**  
69<sup>th</sup> GRPE, 5-6 June 2014  
Agenda item 10

# Electric Vehicles and the Environment (EVE IWG)

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REPORT TO GRPE 69<sup>TH</sup> SESSION

# Activities to Date

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- Review and acceptance of group TOR
- Roundtable discussions to establish working priorities and methodology
- Various presentations relating to the EV questionnaire and Guide development
  - Development of the questionnaire document
  - Summary and review of responses
  - Presentation on completed questionnaires (4 presented to-date)
  - Summary presentations of Guide drafts
- Presentations aimed at information sharing
  - Presentations by representatives of related IWGs at meetings: EVS, WLTP, HDH, VPSD, and EPPR
  - Presentations from industry, NGO's, and technical experts (>20 presented to-date)
  - Presentations of national frameworks by appropriate country representatives (4 presented to-date)

# EVE #9 Meeting Summary, Ann Arbor

February 2014

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- **Line-by-line review of draft 4 of the Guide:**
  - Details of the review can be found in the EVE-9 report (EVE-09-12e)
  - At the end of the meeting, participants agreed in principle with the document; most time was dedicated to drafting the recommendations
  - The meeting produced Draft 5, which was circulated for review and comment
  - Draft 6 was created using these comments (final draft) and submitted to GRPE (ECE/TRANS/WP.29/GRPE/2014/13)
- **Discussion of a new EVE mandate:**
  - Agreed a new mandate should be pursued, to continue work on Guide recommendations and potential GTR development
  - USA and China to lead drafting of the new mandate request, informed by European Commission's proposal (EVE-09-08e)
- **Updates from other IWGs: WLTP, EVS, VPSD, HDH, EPPR**
- **EV information sharing presentations by Canada, China, USA:**
  - Testing a RWD xEV on a 2 and 4 wheel dynamometer (Canada)
  - Research on Vehicle Energy Consumption Evaluation System (China)
  - Calculation of upstream CO<sub>2</sub> for EVs (USA)
- **Tour of EPA's National Vehicle & Fuel Emissions Lab**

# EVE #10 Meeting Summary, Geneva

June 2, 2014

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- Updates from other IWGs: WLTP, EVS, VPSD, HDH, EPPR
- EV information sharing presentation by Peter Mock, ICCT:
  - Driving Electrification: A global comparison of fiscal incentive policy for EVs
- Discussion of EV Reference Guide: ECE/TRANS/WP.29/GRPE/2014/13
  - Reviewed changes made to the Guide from the EVE-9 session to final submission to the GRPE Secretariat (early March 2014)
- Discussion of a new EVE mandate proposal: GRPE-69-14
  - Prior to EVE-10:
    - ✦ Document was agreed to by Canada, China, Japan, USA (EVE leadership)
    - ✦ Document was distributed to EU and GRPE Chair for comment and submitted informally to the GRPE Secretariat
  - During EVE-10 comments from parties above were discussed

# EVE Documents for consideration by GRPE

June 5-6, 2014

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- **EV Reference Guide: ECE/TRANS/WP.29/GRPE/2014/13**
  - Several minor changes were suggested during EVE-10.
    - ✦ Decision by EVE leadership to not adopt these changes:
      - Addition of phrase or table indicating CPs that provided information to clarify maps
      - Adjustment to para. 33 – EU Labeling information
      - Change to name of recommendation 5.2, Method of Stating Energy Consumption
      - Clarification of ‘emissions’ in para. 83.
    - Overall, consensus by parties the Guide is complete
- **Goal: Approval of the formal document by GRPE**

# EVE Documents for consideration by GRPE

June 5-6, 2014

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- New EVE mandate proposal: GRPE-69-14
  - Mandate objectives:
    - ✦ Part A: a) further work on Guide recommendations, b) identify potential gtr(s) suitable for development, c) develop workplan
    - ✦ Part B: Assuming not all gtr(s) identified in b) are suitable for development by other WP.29 informal working groups, the EVE IWG will develop new gtr(s) identified in the workplan. Prior to initiating work on a gtr, **a request will be submitted to AC.3**, which will include a specific description of gtr development.
  - Agreement the new EVE group should maintain current leadership
  - Comments submitted and discussing during EVE-10:
    - ✦ GRPE Chair – Delete ii., para.6, Section 3 and ‘Part B’
    - ✦ EU – Agreement with GRPE Chair comments, modification of iv., para.6, Section 3 text on ‘EV expert group’
    - ✦ China – ‘Part B’ should be included in the text
    - ✦ OICA – Ensure coordination with WLTP and E-Lab. sub-group timelines

# EVE Documents for consideration by GRPE

June 5-6, 2014

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- Cont'd, New EVE mandate proposal: GRPE-69-14
  - Decision by EVE leadership on comments:
    - ✦ GRPE Chair – Delete ii., para.6, Section 3 and 'Part B'
      - Delete ii., para.6, Section 3 – text was agreed to in first EVE mandate
    - ✦ EU – Agreement with GRPE Chair comments, modification of iv., para. 6, Section 3 text on 'EV expert group'
      - After discussion with EU, text on 'EV expert group' was not adjusted
    - ✦ China – 'Part B' should be included in the text
      - Part B maintained; to address EU and GRPE Chair concerns, minor revisions to the text and Timeline were made to satisfy the desire for flexibility and includes the request for AC.3 approval
    - ✦ OICA – Ensure coordination with WLTP and E-Lab. sub-group
      - Noted in the Timeline and iii., para.6, Section 3
- Goal: Agreement on the informal document by GRPE, with minor amendments (GRPE-69-14, rev1)

# Next Steps

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- **June, 2014 GRPE session:**
  - Approval of the EV Reference Guide
  - Agreement on the new EVE mandate proposal
- **June, 2014 WP.29 session:**
  - Informal consideration of the new EVE mandate
- **November 2014 WP.29 session:**
  - Anticipated approval of the EV Guide
  - Anticipated approval of the new EVE mandate
- **Next EVE meeting: Fall 2014**
  - Location and timing T.B.D