

# **Electric Vehicles and the Environment (EVE IWG)**

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**REPORT TO GRPE 65<sup>TH</sup> SESSION**

# Summary of Meetings

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- **EVE Session #2 – Baltimore, Maryland USA (13~14.9.2012)**
  - Many presentations by experts working on electrified vehicles
    - ✦ Informed the EVE on issues important to electrified vehicles
  - Initial discussion to focus on the regulatory reference guide as starting point for the EVE.
    - ✦ Reference guide will help identify areas for further research
    - ✦ Serve as the foundation for the final recommendations of the EVE IWG to the GRPE
- **EVE Session #3 – Conference Call and Webex (27.11.2012)**
  - Proposed a format for the reference guide and a questionnaire which will be used to gather the information required to populate the guide.
- **EVE Session #4 – Geneva (14.1.2013)**
  - Confirmed the framework and the content of the reference guide as well as the questionnaire.

# EVE Strategy: Reference Guide

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- **Regulatory reference guide will form the basis for the EVE recommendations to the GRPE.**
  - Through the completion of the guide, potential gaps in the regulatory landscape will be identified.
  - Recommendations from the EVE will be based on the gaps identified.
  - Research may be performed to bolster the conclusions of the EVE.
  - Definitions continue to be point of concern. EVE will use the common definitions from the other IWG's and VPSD.
  - Contractor has been identified to assist in the completion of the guide. Pending funding source.

# EVE Strategy: Questionnaire

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- Reference guide will be initially populated through the use of a questionnaire.
  - Stakeholders have been asked to identify an individual(s) to be a point contact for completing the questionnaire.
    - ✦ Commitment from the CP's is essential for completion of the guide.
  - EVE will share the questionnaire with the other related IWG's for input and feedback.
  - OICA has agree to review the format of the reference guide and the questionnaire, although they are not expected to provide input for the initial draft.

# EVE Roadmap

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## Proposed EVE Roadmap - Draft v1 (14Jan2013)

Task	start date	end date	status	EVE-01	--	EVE-02	EVE-03	--	EVE-04	--	EVE-05	EVE-06	--	EVE-07	--	EVE-08	--	EVE-09	EVE-10	--	--		
				Jun-12 GRPE	Jun-12 WP 29	Sep-12 USA	Nov-12 Webex	Nov-12 WP 29	Jan-13 GRPE	Mar-13 WP 29	Apr-13 Japan	Jun-13 GRPE	Jun-13 WP 29	Fall-13 TBD	Nov-13 WP 29	Jan-14 GRPE	Mar-14 WP 29	Spr-14 TBD	Jun-14 GRPE	Jun-14 WP 29	Nov-14 WP 29		
<b>1.0 Adopt EVE Terms of Reference</b>	Jun-12	Sep-12	completed	←																			
1.1 Submit to GRPE									◆														
1.2 Submit to WP 29 (expect: March 2013)									◆														
<b>2.0 Exchange of information (regulatory frameworks, other IWG, etc,...)</b>																							
2.1 Research and information sharing	Jun-12		on-going	←																			
2.2 Discuss potential research gaps and agree on test plan	Apr-13										◆												
2.3 Conduct research/test plan	Apr-13	Jun-14										←											
<b>3.0 Reference Guide Development</b>																							
3.1 Establish list of vehicle attributes	Nov-12	Jan-13	started			←																	
3.2 Develop questionnaire	Nov-12	Jan-13	started			←																	
3.3 Send questionnaire to EVE members (after EVE-04)	Jan-13	--							◆														
3.4 EVE & GRPE members fill-in questionnaire	Jan-13	Apr-13							←														
3.5 Compile information into report	Apr-13	Dec-13									←												
3.6 Develop recommendations on potential future gtr development	Apr-13	Dec-13									←												
3.7 Submit Draft Reference Guide to GRPE for comments	--	Jan-14														◆							
3.8 Approval of Reference Guide by GRPE	--	Jun-14																		◆			
3.9 Submit Reference Guide to WP 29	--	Nov-14																				◆	
-- Current EVE mandate ends (summary report of activities)																						◆	

# EVE Future Meetings

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- **EVE #5 – Tokyo, Japan (11~12.4.2013)**
  - Review the initial draft of the reference guide.
  - Begin to identify potential gaps and areas of additional research.
- **EVE #6 – Geneva (June, 2013)**
- **EVE #7 – Location and timing not yet fixed**
  - Considering a European location in September, 2013
- **EVE #8 – Considering Geneva (Ad-hoc GRPE in November, 2013)**