Interactive Workshop:
APEC Electric Vehicle Connectivity Conditions

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APEC Electric Vehicle Connectivity Workshop
Wellington, New Zealand
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Session Outline

1. Overview (10 mins)
2. Interactive Question & Answer (50 mins)
3. Open Discussion (15 mins)
Some Guidelines

• We will ask you three questions, one at a time.
• Discuss each question at your table (small tables can combine)
• Appoint a scribe and discussion facilitator
• Please take 5 minutes to discuss your response to the question and document your answer.
• We will call on tables to report back for each question.
• Ready? Set. Go!
This is why we are here today

**Market A**
- Charging infrastructure
- Grid configuration
- Energy market design
- Standards and regulations

**Trade of PEV equipment**

**Market B**
- Charging infrastructure
- Grid configuration
- Energy market design
- Standards and regulations

**Barriers to trade**
Question 1

Please identify at least one clean technology product (preferably a PEV product) that is difficult to import to / export from your economy due to trade barriers.

What is the problem? Which economy? Who is involved in resolving it?
<table>
<thead>
<tr>
<th>Major Barriers</th>
<th>Easy Barriers</th>
<th>Hard Barriers</th>
</tr>
</thead>
<tbody>
<tr>
<td>Inductive charging and battery exchange - recognition</td>
<td>Incomplete info re APEC PEV connectivity conditions</td>
<td>Conductive charging harmonization</td>
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<tr>
<td>Smart Grid-PEV integration – architecture and interfaces</td>
<td>Electrical safety – classification of PEV</td>
<td>Grid configuration harmonization</td>
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<td>Electrical safety – classification of PEV</td>
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<td>Smart Grid-PEV integration – unknown treatment across APEC</td>
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<td>Electrical safety harmonization</td>
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<td>Vehicle homologation</td>
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<td>Local PEV market factors</td>
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<td>Minor Barriers</td>
<td>Inductive and battery exchange - standardization</td>
<td>EVSE network regulations</td>
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<td>Smart Grid-PEV integration – incomplete standards</td>
<td>Electrical safety market lockouts</td>
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<td>Energy market arrangements PEV lockouts</td>
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Question 2

Do you agree with Verdant Vision’s identification and ranking of PEV barriers to trade?

What would you change or add?

Are there any other barriers (unrelated to PEV connectivity conditions) that you think we should discuss in this forum?
Video: EU Trade Commissioner Karel De Gucht addressing the political imperative for transatlantic cooperation in e-mobility standards and the importance of this area in the context of the Transatlantic Economic Council (12 October 2011).
Question 3

What should APEC do to promote PEV uptake:

a) Within APEC economies?

b) In the global arena generally?