

# APEC Transportation Working Group's Electric Vehicle Efforts

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**Advancing** Free Trade  
for Asia-Pacific **Prosperity**



# Introducing the Transportation Working Group ("TPTWG")

- The Transportation Working Group is comprised of four "Experts Groups" that focus on specific modes of transportation:
  - Aviation (safety, security, air navigation, and econ. authorities)
  - "Land" (road/rail safety and interoperability)
  - Maritime (seaports, seafarers, and maritime supply chains)
  - Intermodal & Intelligent Transport Systems (technology, supply chain)
- Established in 1991, the group traditionally meets off-cycle and tries to host Ministerial Meetings approximately every three years.
- Our meetings range in size from 175-250 delegates and are customarily held in-person twice a year (but currently being hosted virtually).



# Recent TPTWG Reform

In December 2020, TPTWG agreed on four major reforms that would significantly change the future direction of the TPTWG:

- 1: “A Focus on Compelling Topics,” meaning that each EG should focus primarily on one “Main Policy Theme” per meeting, based on the consensus of that EG’s members.
- 2: “Reducing Bureaucracy” by retiring old sub-groups and reducing the number of chair and deputy chair positions.
- 3: “More economy support,” which means economies with a particular interest in a Main Policy Theme will be asked to volunteer to lead the organization and preparation of that discussion.
- 4: “Utilizing Digital Resources,” by having each EG host a virtual inter-sessional meeting on key topics to maintain interest from TPTWG members, as well as experts and industry representatives that do not normally attend in-person meetings.



# What is a Main Policy Theme?

- TPTWG's reforms resulted in the creation of "Main Policy Themes," or the main topics driving the discussions in each Experts Group throughout the year.
- Main Policy Themes balance both breadth and depth, in that they engage a broad cross section of experts across a subject, but then seek to leverage those different experts' viewpoints and focus areas to consider the topic in-depth.
- These allow for virtual meetings on selected elements of the theme, and once in-person/hybrid meetings resume, they will guide at least a day's worth of discussions and presentations.
- They are also meant to guide future Concept Notes, including the development of regional best practices, technical assistance, and more.



## 2021 TPTWG Main Policy Themes:

The TPTWG Experts Group chose a broad range of Main Policy Themes this year:

- Aviation EG: “Regulatory Challenges posed by Unmanned Aerial Vehicles, commonly known as Drones”
- Intermodal and ITS EG: “Facilitating Mobility Integration through Technological Innovation”
- Land EG: “Digital Solutions for Road Safety: Emergency Response Systems, Electric, Automated and Connected Vehicles, and Safe Infrastructure”
- Maritime EG: “Digitalization of Seafarers”



## Recent Focus on Electric Vehicles:

- The TPTWG's Land Experts Group chose “Digital Solutions for Road Safety: Emergency Response Systems, Electric, Automated and Connected Vehicles, and Safe Infrastructure,” which launched an initial conversation on the challenges and opportunities in promoting EVs in the APEC region.
- It was an initial scoping effort, given the limitations of the in-person meeting format, but we had five economies give an update on their policy setting efforts, the state of their EV markets, and challenges they faced.
- We learned a lot and it gave us a sense of opportunities for future work.



## Recent Focus on Electric Vehicles (2):

- For example:
  - New Zealand shared its legislative efforts to reduce emissions, including an emphasis on zero emission vehicles alongside increased shifts to cleaner transport modes.
  - The U.S. discussed policy efforts to encourage the purchase of EVs, and then also described safety efforts around battery testing and crashworthiness.
  - Chinese Taipei reported out on the status of EV market penetration, electrification of transit vehicles, and efforts to deploy EV charging networks.
  - Mexico share a readout of its early efforts to implement an electro-mobility policy, including challenges faced and examples of urban pilots.
  - Japan raised its zero-emission strategy and outlined EV facilitation efforts, including subsidy programs.



## Potential Future Work:

- Our Experts Groups are preparing to select their 2022 Main Policy Themes in late October.
- We are encouraging each group to focus on key elements of the Putrajaya Vision 2040, giving special attention to emerging and potentially disruptive technologies.
- Climate and electrification could play key roles in several ways:
  - Electric vehicles and EV charging infrastructure
  - Urbanization and future-proofing infrastructure development
  - Supply chains for battery materials and technologies
  - Addressing hard to abate transport sectors: aviation and maritime





# How Can We Work Together:

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  - Urbanization and future-proofing infrastructure development
  - Supply chains for battery materials and technologies
  - Addressing hard to abate transport sectors: aviation and maritime
- EGEEC experts can join these discussions once selected and enrich our discussions on the electrification of these transport modes.



# Conclusion

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