AUTOMOTIVE DIALOGUE (AD)

CONVENORS REPORT AND INPUTS FOR 2020 CTI ANNUAL REPORT TO MINISTERS

Key Achievements in 2020
- AD held the first virtual Thematic Meeting of AD 32 on Capacity Building and Economy Updates including Impacts of COVID019 on 28 August 2020.
- AD will convene the second virtual Thematic Meeting of AD 32 on New Technologies on 13 November 2020.
- AD will finalize its policy initiative on autonomous vehicles tiled with "APEC AV Principles and Guidelines" at the second meeting of AD 32.
- As part of cross-fora collaboration, an AD Representative presented the APEC AV Principles and Guidelines to TPTWG members for their comments at the first virtual Thematic Meeting of TPTWG 49 on Autonomous Vehicles, which was held in 17 September 2020.

Work Undertaken by the Fora in Response to COVID-19 (if applicable)
- AD members presented their respective auto market situations impacted by COVID 19 at the first virtual meeting of AD 32.
- AD members briefed AD on their respective policy responses to the impacts of COVID 19 on the auto industries and markets.

Key Issues Under Discussion by the Fora
- AD members will finalize the attached "APEC AV Principles and Guidelines" at the coming second Thematic Meeting on New Technologies which will be held in 13 November 2020.

Items to submit to Senior Officials or Ministers/Leaders at the end of 2020 (if applicable)
- AD submits the "APEC Autonomous Vehicles Principles and Guidelines" to CTI and SOM.

Attachment: APEC Autonomous Vehicles Principles and Guidelines.

Autonomous Vehicle Principles and Guidelines

Recognizing the importance of automated/autonomous vehicles (AVs), the APEC Automotive Dialogue supports the development of the framework guidance and processes being pursued at the global level in the World Forum for Harmonization of Vehicle Regulations Working Party 29 (UN WP.29).[1]

Specifically, the APEC Automotive Dialogue highlights the following AV priorities for the purpose of encouraging harmonization of approaches to AVs across the region:

1. **Enhancement of Safety**: AVs hold great promise to significantly increase the level of road safety, but also introduce some new challenges. The APEC Auto Dialogue supports advancing the life-saving potential of automation.

2. **Technology Neutrality:** To facilitate technology advancement, we support the development of technology-neutral policies through an open process with input from all relevant stakeholders.

3. **Performance-Based:** To avoid restricting or limiting future innovation, we support utilization of performance-based standards for AVs.

4. **Consumer Information and Training**: To address the anticipated differences in the use and operation of automated vehicles from those of conventional vehicles, education and training programs should be developed, documented, and maintained.

5. **Cyber-Security**: To defend against cyber-attacks and protect consumers' and drivers' privacy, automated vehicles should be protected in accordance with established best practices for cyber vehicle physical systems.

5. **Rational Standards/ Testing:** Manage/oversee AVs in a manner that avoids unnecessary, unwarranted, or premature regulations and allow AV testing in the operational design domains that match where deployments will ultimately occur (e.g., testing permitted in urban environments)

6. **Complementary Infrastructure**: Facilitate the development of complementary infrastructures and technologies that enhance the benefits of automation, such as communications between vehicles and the surrounding environment. AVs should be able to safely operate based on on-board systems and should not be reliant on external infrastructure for any safety-critical functions.

7. **Trade Policies:** To ensure that the introduction of AVs will not lead to new trade barriers (i.e., tariff, quotas and non-tariff measures).

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[1] As outlined in Document ECE/TRANS/WP.29/2019/34 at the World Forum for Harmonization of Vehicle Regulations Working Party 29.