



## Transportation Working Group's 2021 Work Plan

### Introduction

In 2021, the Transportation Working Group (TPT-WG) will implement structural reforms agreed at a Management Meeting of the TP-WG Heads of Delegation (HODs) in December 2020. These reforms will enable the TPT-WG's four Experts Groups (EGs) to each select a "Main Policy Theme" and focus the majority of their group's discussions and deliberations on that topic, leading to higher quality conversations and a focus on delivering work products as outcomes of these meetings.

### 1. Fora governance in 2021

1.1 The overarching TPT-WG governance work will focus on implementing the structural reforms endorsed by TPT-WG HODs in December 2020. The structural reforms to be implemented have four main directions:

- **Focusing on the Most Compelling Topics** by having each EG adopt a "Main Policy Theme" that the group will work on intersessionally and at their next meeting. At the end of each EG meeting, the group will discuss what to select as its next Main Policy Theme, ensuring that the topic remains relevant. EGs and participating economies are also encouraged to use the Main Policy Themes as a framework for future APEC and economy-funded projects.
- **Reducing Bureaucracy** through the retirement of all sub-groups, all of which will be retired formally on 19 March, 2021.
- **More Economy Support and Participation**, accomplished through economies volunteering to support the organization and hosting of the Main Policy Theme discussions intersessionally and during EG meetings, and also having economies identify the appropriate experts to attend these sessions.
- **Utilizing Digital Resources** by acknowledging the success of the 2020 virtual EG meetings and "thematic sessions," and encouraging all EGs and other TPT-WG to host more intersessional meetings virtually.

1.2 Conduct Deputy Chair selection process in March 2021.

1.3 Integrate the La Serena Roadmap into the work of the TPT-WG through a relaunch of the Women in Transportation in March 2021.

1.4 Undergo Sub-Fora Assessment in April 2021 and Refresh the Terms of Reference.

1.5 Develop new Terms of Reference to be endorsed prior to SCE3 in August 2021, which will incorporate the structural reforms endorsed by the HODs in December 2020.

1.6 Draft annual fora report for endorsement by the TPT-WG and SCE in October 2021.

## **2. Expected Outcomes/Deliverables for 2021**

- 2.1 Each of the four Expert Group meetings will hold virtual meetings in early March 2021 to nominate Main Policy Themes (see meeting calendar attached).
- 2.2 TPT-WG will hold a Virtual Plenary Session in late March 2021 to endorse the four EG's Main Policy Themes, and to decide on the hosting of a Virtual High-Level Meeting in mid-2021.
- 2.3 Each EG will host a "Virtual Thematic Session" based on their endorsed Main Policy Theme to launch their group's work on that topic. These meetings will be held in May-June 2021.
- 2.4 TPT-WG will organize (host economy TBD) a "Virtual High-Level Transportation Officials Meeting" that will invite APEC Transportation Ministers and other leaders. This meeting is tentatively proposed for August 2021, and is intended to give TPT-WG a new Joint Statement document with high-level guidance for the group.
- 2.5 Each of the four EGs will hold virtual meetings in September/October 2021 to nominate Main Policy Themes.

### 3. Itemized Work Plans for 2021

Title	Summary of Specific Plans	Mandate (Leaders/Ministers/SOM/SCE Priorities and Decisions, Strategic Plans and to ABAC recommendations)	ECOTECH Priorities and/or Host Year Priorities	Cross-fora collaboration (within APEC and beyond APEC)
<p>Promote Supply Chain Connectivity by Enhancing and Better Understanding Digital Innovation in APEC Port Industry (TPT 02 2019A)</p>	<ol style="list-style-type: none"> <li>1. Increase APEC economies' awareness and understanding of the different types of digitalization innovation currently used in the port industry and of the importance of port connectivity for promoting economic integration and development;</li> <li>2. Host a one-day workshop to review and share best practices on digital innovation in APEC ports, and Identify key success factors, challenges and trends in the adoption of digital innovations in APEC ports;</li> <li>3. Analyse the impact of digital innovation on port operation and management, and the role of digital innovation in promoting supply chain connectivity;</li> <li>4. Provide technical and policy recommendations on digitalization so as to strengthen the capacity of APEC ports and improve connectivity through digital innovation.</li> </ol> <p>The project end date will be expired on December 31, 2021, we are still pending for PO to conclude the summary of evaluation result of the submitted tenders.</p>	<ol style="list-style-type: none"> <li>1. APEC leaders have emphasized through the Declaration at the 25th APEC Economic Leaders' Meeting to develop eco-systems for harnessing the benefits of digitalization and better understanding the impacts of technological innovation.</li> <li>2. It is also required that the impacts of new technology and digitalization on the world of work need to be examined by Joint and Regional APEC research activities to provide APEC member economies a good indication of where, when and how digitalization and new technology will change production processes.</li> <li>3. The 10th Transportation Ministerial Meeting (TMM 10) highlighted the importance of identifying, addressing and removing barriers in existing regulations to allow technology to develop in a manner that does not hamper innovation.</li> </ol>	<p>2019 Host Year priorities: Digital economy and technology</p>	<p>The Final Report will be shared with TPTWG and other APEC fora as appropriate.</p>
<p>APEC SEN On-board Training to Foster Competent Young Future Maritime Global Leaders (TPT 03 2019A)</p>	<ol style="list-style-type: none"> <li>1. APEC SEN Expert Group Online Meetings (Feb.-April) – To discuss the APEC on-board curriculum and pilot on-board program that will be held around October 2020. Along with students selecting criteria, the minimum rate of women's participation will be thoroughly discussed during online meetings to make sure female cadets' participation rate reaches more than 20 percent.</li> <li>2. Draft of APEC On-board Curriculum (April) – Drafted version of on-board curriculum will be drawn up reflecting the needs and opinions of APEC economies.</li> <li>3. Workshop for discussing drafted on-board curriculum (June) – A workshop will be held in Chinese Taipei to discuss drafted on-board curriculum for further revision.</li> <li>4. APEC SEN Pilot On-board Training (Tentatively October) – Pilot on-</li> </ol>	<ol style="list-style-type: none"> <li>1. In the 2017 Transportation Ministerial Statement, leaders agreed on the importance of 'competent human resources in creating a safe, secure, reliable, effective and seamless transport system in the APEC region' by 'encouraging collaboration by APEC economies in developing joint personnel training'</li> <li>2. The 2017 Statement also mentioned that one of TPTWG's aims is 'to share best practices in terms of mechanisms and</li> </ol>	<p>Developing human capital through capacity building</p>	<ol style="list-style-type: none"> <li>1. This project will seek cooperation within APEC Human Resource Development Working Group and Oceans and Fisheries Working Group by sharing and exchanging information throughout the project.</li> <li>2. It will also try to further promote the active participation of the International Maritime Organization, International Labour Organization, and Association of Southeast Asian Nations by encouraging their active engagement as sponsors.</li> </ol>

Title	Summary of Specific Plans	Mandate (Leaders/Ministers/SOM/SCE Priorities and Decisions, Strategic Plans and to ABAC recommendations)	ECOTECH Priorities and/or Host Year Priorities	Cross-fora collaboration (within APEC and beyond APEC)
	<p>board training inviting students from each of the APEC economies to implement finalized on-board curriculum for around eight (8) days. This will be further discussed and the timeline may change according to opinions of each APEC economy.</p> <p>The project end date will be expired on December 31, 2021.</p> <p>The workshop planned around June 2021 in Chinese Taipei involves the process of soliciting opinions and views from different entities (government, academia etc.). It is taking more time to get approvals and understanding than usual, especially in this pandemic period.</p>	<p>programs that promote the integration by each economy of remote areas within their common transport area' (2017 10th Meeting of APEC Transportation Ministers Statement)</p> <p>3. As mentioned in the High-Level Policy Dialogue on Human Capacity Building in 2015, the APEC SEN project will 'encourage economies to continue improving the quality of education and training, and to work in partnership with the private sector, towards ensuring alignment of training with industry needs which facilitates trade and investment and employment.'</p> <p>4. Furthermore, this project is also aligned with the theme of 'Continuing to share information on the existing qualifications referencing frameworks to further explore mutually beneficial qualifications referencing arrangements for APEC economies to support increased labor mobility within the region.' (2015 APEC High-Level Policy Dialogue on Human Capacity Building)</p>		
<p>Combating Human Trafficking by Addressing Illicit Uses of Transportation (TPT 04 2019A)</p>	<ol style="list-style-type: none"> <li>Human trafficking is a scourge on the APEC region. Women and girls are disproportionately victimized by this crime, robbing them of their independence, economic opportunity, and ability to exercise agency over their careers.</li> <li>This project combats human trafficking by developing tools to help identify potential victims who utilize transportation systems.</li> <li>By surveying ongoing efforts among the APEC economies related to transportation, this project will develop a set of best practices and educational resources for employee training and public awareness to be shared in a spring 2020 workshop and then be developed into a report that shares best practices and identifies resources for use</li> </ol>	<ol style="list-style-type: none"> <li>Transportation Ministerial Statement, Papua New Guinea, 2017: "discouraging the use of any transportation network by human traffickers within and across our borders. By training the general public, transportation service providers and APEC transportation ministries to identify human trafficking that is hidden in plain sight, we can save lives, halt illicit economic activity, ...and demonstrate our integral role in</li> </ol>	<p>Human Capital Development</p> <p>Human Security</p>	<ol style="list-style-type: none"> <li>This project is funded through the Policy Partnership on Women and the Economy and directly supports that group's efforts to improve women's access to economic opportunity.</li> <li>Project organizers will also work with existing groups committing to ending human trafficking, both in the PO's economy and across the APEC region to identify pre-existing resources and information.</li> </ol>

Title	Summary of Specific Plans	Mandate (Leaders/Ministers/SOM/SCE Priorities and Decisions, Strategic Plans and to ABAC recommendations)	ECOTECH Priorities and/or Host Year Priorities	Cross-fora collaboration (within APEC and beyond APEC)
	<p>by APEC economies.</p> <ol style="list-style-type: none"> <li>These resources can be used by each economy to educate transportation employees and the traveling public to report potential human trafficking to the proper authorities.</li> <li>This project will emphasize the importance of partnerships across central and local government, non-governmental organizations, the private sector, and civil society.</li> </ol> <p>The project end date will be expired on November 2021.</p>	<p>the wellbeing of our respective societies.”</p> <ol style="list-style-type: none"> <li>Transportation Working Group Strategic Plan for 2018-2020: “encouraging more women’s activities in transport and more enforced measures against human trafficking.”</li> </ol>		
<p>Promote Maritime Education and Training (MET) of Women and Girls for APEC Economies to Empower Women in the Maritime Community (TPT 05 2019A)</p>	<ol style="list-style-type: none"> <li>This project seeks to address and engage in the issues of MET of women and girls who are cultivated to become qualified seafarers through cooperation among APEC economies, provide a platform for participants to share information and experience in maritime education of women and girls, and an on-the-spot opportunity for sharing experience between the speakers &amp; participants and the DMU trainers on-board the training vessel.</li> <li>Complete a preliminary research report by collecting public journal papers and reports on women’s maritime education and training in APEC and other economies around the world and reviewing them for problems of common interest.</li> <li>Develop a set of best practices by surveying the basic situation of seafarers’ human resources, especially of female seafarers in the APEC economies, and special arrangements already made for female MET.</li> <li>A two-day seminar on MET of Women and Girls for APEC Economies is scheduled to be held in the second half of 2020 in Dalian Maritime University in China. The activities of the seminar include a conference and a field study on-board.</li> </ol> <p>The project end date will be expired on February 2022.</p>	<ol style="list-style-type: none"> <li>People-to-People Connectivity in APEC Connectivity Blueprint for 2015-2025 aims to improve cross-border education (CBE) cooperation, facilitate people-to-people exchanges and promote economic development through knowledge and skills transfer.</li> <li>The Declaration of the 25th APEC Economic Leaders’ Meeting: “We encourage economies and the private sector to implement initiatives that enhance women’s economic empowerment, improve women’s access to capital, assets and markets, increase women’s participation in high-growth and high-wage sectors, and promote women’s leadership, entrepreneurship, skills and competencies.”</li> <li>The Declaration of the 24th APEC Economic Leaders’ Meeting: “We recognize women’s vital contribution to the economic and social development and we commit to strengthening our efforts to support the mainstreaming of gender equality and women’s empowerment in APEC’s work, to ensure that women enjoy equal access to</li> </ol>	<p>Developing human capital through capacity building</p> <p>2019 Host Year priorities: Increasing opportunities for women</p>	<ol style="list-style-type: none"> <li>This project will directly align with the priorities in the TPTWG strategic plan 2018-2021, and will support the TPTWG to address initiatives arising from the 10th APEC Transportation Ministerial Meeting (TMM10) to facilitate socio-economic improvement through engaging more in Women in Transport (WiT) activities and encouraging member economies to continue the implementation of WiT activities. Promoting the attraction, participation and development of women in transportation and related employment is one of the priorities for the TPTWG in its work plan for 2019.</li> <li>It will also try to further promote the active participation of International Maritime Organization and the Association of Southeast Asian Nations by encouraging their active engagement as sponsors</li> </ol>

Title	Summary of Specific Plans	Mandate (Leaders/Ministers/SOM/SCE Priorities and Decisions, Strategic Plans and to ABAC recommendations)	ECOTECH Priorities and/or Host Year Priorities	Cross-fora collaboration (within APEC and beyond APEC)
		<p>quality education and economic resources.”</p> <p>4. Transportation Ministerial Statement, Papua New Guinea, 2017: “...facilitating the creation, maintenance and expansion of economic and people-to-people linkages across the Asia-Pacific region, ...shared knowledge and experiences on the TPTWG’s sectoral approach to encourage women’s participation in the economic life of the Asia-Pacific transportation sector.”</p>		
<p>Enhancing Aviation Efficiency and Safety Via Performance-Based Communications and Surveillance (PBCS) (TPT 06 2019A)</p>	<ol style="list-style-type: none"> <li>1. Host a two-day PBCS workshop to help build capabilities in the APEC region to implement PBCS, which promotes efficiency—safely reducing aircraft spacing and offering direct routes, which supports harmonization and connectivity. If economies do not implement PBCS, they may i) restrict their aircraft operators’ ability to operate in parts of the global aviation network that require PBCS, negatively affecting connectivity, and/or ii) restrict their air navigation service providers’ (ANSPs’) ability to reduce aircraft spacing.</li> <li>2. The workshop will help accomplish this by sharing best practices for: <ul style="list-style-type: none"> <li>• Regulators of aircraft operators to establish PBCS policies, specifications and requirements;</li> <li>• Regulators of air navigation service providers (ANSPs) that implement reduced separation standards, predicated on PBCS requirements to establish PBCS policies, specifications and requirements;</li> <li>• ANSPs that implement reduced separation standards predicated on PBCS requirements to provide PBCS-compliant services; and</li> <li>• Aircraft operators to obtain authorization to use reduced separation standards predicated on PBCS.</li> </ul> </li> <li>3. In delivering the workshop, the organizers will strive for gender parity in workshop speakers and audience members. There will also be an effort to include networking opportunities for the PBCS small and medium enterprises (SMEs) representatives that are female to discuss science, technology, engineering and math (STEM) opportunities with women from attending economies.</li> </ol> <p>3-days Webinar scheduled from 2-4 February 2021.</p>	<ol style="list-style-type: none"> <li>1. APEC Joint Ministerial Statements, as well as TPTWG Policy Direction letters, directed modal Experts Groups to develop projects that will reduce emissions across all modes of transportation. PBCS implementation supports more direct routes, which reduces aircraft emissions.</li> <li>2. This project also directly addresses the Transportation and Energy Ministerial Action Statement from 2011 in that it significantly contributes to promoting regional economic integration by harmonizing international aviation technical regulations, and expanding and promoting the use of technologies specific to air traffic navigation and management.</li> <li>3. The project aligns with the APEC goal of conforming to international standards and best practices for managing and safely overseeing the PBCS implementation process at the government level.</li> </ol>	<p>Tech-Innovation</p>	<ol style="list-style-type: none"> <li>1. This would be a joint project between the TPTWG Aviation Experts Group and the Energy Working Group. We would seek input and participation from non APEC organizations as well, such as the International Civil Aviation Organization (ICAO), the International Air Transport Association (IATA), and the National Business Aviation Association (NBAA).</li> <li>2. We would welcome these entities to serve as speakers at the event, where appropriate, and would seek their input on what PBCS topics would be particularly valuable to hone in on during the workshop sessions based on the APEC region’s awareness of and capabilities with PBCS.</li> </ol>

Title	Summary of Specific Plans	Mandate (Leaders/Ministers/SOM/SCE Priorities and Decisions, Strategic Plans and to ABAC recommendations)	ECOTECH Priorities and/or Host Year Priorities	Cross-fora collaboration (within APEC and beyond APEC)
	The project end date will be expired on July 2021.			
Identifying Uses of App-Based Transportation Mobility Technologies for Inclusive Smart Cities (TPT 07 2019A)	<ol style="list-style-type: none"> <li>1. Cities within the APEC region are growing at an enormous pace, challenging governments to meet the increased transportation needs of urban citizens in new and innovative ways.</li> <li>2. At the same time, new technologies powered by mobile telephones in the form of mobility “apps” are empowering transportation users to adopt new forms of personal mobility, including ridesharing, carsharing, shared bicycles and electric scooters, and integrated transportation apps that combine multiple modes of transport.</li> <li>3. While these technologies present opportunities to improve how people move, they also challenge long-established transportation planning practices and incumbent industries.</li> <li>4. This project will take an inventory on how APEC economies have addressed the rise of these new forms of app-based mobility (to be completed by April 2020), and then host a workshop in mid-2020 (August-September) to identify best practices for how to integrate them successfully into the transportation planning process, focusing on supporting APEC efforts on Smart Cities and resiliency for transport networks.</li> </ol> <p>The project end date will be expired on January 2022.</p>	<ol style="list-style-type: none"> <li>1. The Chair’s Era Kone Statement, 2018: “Digital technologies and innovations are increasingly changing the way businesses and government operate across all sectors of our economies... We will promote the use of digital technology and innovation for high quality and sustainable development.”</li> <li>2. Da Nang Declaration, APEC Leaders’ Meeting, 2017: “We will work together to realize the potential of the internet and digital economy, including through appropriate regulatory and policy frameworks.”</li> <li>3. Transportation Ministerial Statement, Papua New Guinea, 2017: “Recognizing the fast pace of technological change, we highlight the importance of identifying, addressing and removing barriers in existing regulations to allow technology to develop in a manner that does not hamper innovation.”</li> </ol>	Tech-Innovation	<ol style="list-style-type: none"> <li>1. Project organizers will engage in cross-fora collaboration with the APEC Digital Economy Steering Group, which is also looking at app-based technologies and their role in driving innovation in the APEC region.</li> <li>2. Additionally, given the Smart Cities equities in this project, project organizers will also be working with other international bodies that are implementing Smart Cities projects, such as the Association of Southeast Asian Nations (ASEAN) and its ASEAN Smart Cities Network.</li> </ol>

Title	Summary of Specific Plans	Mandate (Leaders/Ministers/SOM/SCE Priorities and Decisions, Strategic Plans and to ABAC recommendations)	ECOTECH Priorities and/or Host Year Priorities	Cross-fora collaboration (within APEC and beyond APEC)
Building Randomness and Unpredictability into Aviation Security Countermeasure Development and Implementation (TPT 02 202019A)	<p>This project is designed to enhance Member Economies' risk mitigation capabilities by examining how to best leverage their existing resources to target specific threats and identify vulnerabilities, and to assist aviation security authorities to determine when, where, and how to allocate future resources. The workshops will cover: case studies of programs and best practices; how to create and tailor tactical responses to risk; the benefits of risk analysis; and identification of resources to leverage for risk mitigation. It will also include an overview of the international standards and recommended practices that promote the implementation of countermeasures using random and unpredictable techniques. This project will consist of two two-hour virtual workshop sessions, a three-day in-person workshop with activities and airport site visit, a follow-up survey, and targeted interviews. The virtual workshop is being considered for February 2021 and the in-person workshop for August 2021 in Oregon, United States.</p> <p>The project end date will be expired on December 2021</p>		Aviation Security Countermeasure Development	<p>The Proposed TPTWG Work Plan for 2020 lists priorities to advance APEC's overarching agenda, such as enhancing transportation accessibility, safety, security, resilience, efficiency, and sustainability, as well as encouraging cross-cutting socio-economic improvement. This project aligns with the Proposed TPTWG Work Plan priorities, because it will enable Member Economies to develop and institute more sustainable aviation security measures that will not only provide greater facilitation of passengers and goods in air transport, but also allow for sustained high levels of security across the operating system to contribute this quality transport vision. During the project, participants will learn how to better leverage existing resources to mitigate the insider threat, thereby affording all Member Economies, regardless of their economic means, equal opportunity to develop and implement countermeasures without additional resources. Thus, creating a more secure, efficient, and sustainable transportation environment. Within the Proposed TPTWG Work Plan, relevant APEC fora were identified with which to strengthen cross-fora collaboration, such as the CTWG. The Proposing APEC Economy proactively recognizes transportation as a key sector that impacts many economic initiatives and industries. Therefore, we will collaborate not only with the CTWG, but other fora for which the increase in security and efficiency of the aviation transportation sector would also, greatly benefit, such as the TWG.</p>



Title	Summary of Specific Plans	Mandate (Leaders/Ministers/SOM/SCE Priorities and Decisions, Strategic Plans and to ABAC recommendations)	ECOTECH Priorities and/or Host Year Priorities	Cross-fora collaboration (within APEC and beyond APEC)
<p>Building a Culture of Security and Countering the Insider Risk <b>(TPT 07 2020A)</b></p>	<p>The objectives of this project are three-fold: 1) ensure participants understand the importance and concepts of security culture and how they relate to their domestic AVSEC regimes; 2) increase participants' knowledge of the insider threat within the aviation domain and how to better leverage stakeholder buy-in to mitigate that threat within a resource-constrained environment; and 3) build support for participants' strategies for implementing security culture concepts and best practices within their domestic operations, and employing risk analysis and mitigation principles.</p>		<p>Aviation Security Countermeasure Development</p>	<p>This project will enable Member Economies to develop and institute more sustainable aviation security measures that will not only provide greater facilitation of passengers and goods in air transport, but also allow for sustained high levels of security across the operating system to contribute this quality transport vision.</p>