Asia-Pacific
Economic Cooperation

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Telecommunications and Information Working Group Proposed Workplan for 2017

Purpose: Consideration
Submitted by: TELWG Chair

**SOM Steering Committee on Economic and Technical Cooperation - Committee of the Whole Meeting
Nha Trang, Viet Nam
28 February 2017**

TELWG Work Plan for 2017

Introduction

In 2017, TELWG will continue implementation of the Strategic Action Plan 2016-2020 (SAP), focusing discussions in three main directions that aim to lead to prosperity of people in the APEC Region: ICT development and innovation, liberalisation of ICT and security of ICT. In 2017, TELWG will focus on delivering in relation to the following items set out in the table at Section 6 of the SAP:

i)   Promote a Secure, Resilient and Trusted ICT Environment (Priority Area 2);
ii)   ICT implementation for emergency response, social inclusion, accessibility, especially for people with disabilities, people who live in the remote areas and socially deprived people. (Priority Areas 1.1 (e), (f) and 1.2 (b));
iii)   ICT infrastructure development, i.e. next generation broadband (Priority Area 1.2 (c));
iv)   Internet and Digital Economy (Priority Area 4);
v)   ICT for Micro, Small and Medium Enterprises (MSMEs) participation in the globalised economy (Priority Areas 1.1 (a). 1.4 and 4.2 (a));
vi)   ICT start-ups support (Priority Areas 1.1 (a), 1.4 and 4.2 (a));
vii)   E-Government in the APEC region (Priority Areas 1.1 and 3.2);
viii)   Asia-Pacific Information infrastructure (Priority Area 3.1 and 3.2);
ix)   New ICT developments and implementation, including LTE, Big Data, IoT, Cloud computing (Priority Areas 1.1, 3.4 and 4).

TELWG will continue to actively engage the private sector and academia to assist in its consideration of ways to stimulate innovation and competition in all APEC economies. This engagement will facilitate free and secure trade in the APEC Region and help regulators and public sector to better address the expectations of different stakeholders

TELWG will also take necessary measures to implement the recommendations that were provided by the Independent Assessment Report and SCE, including through the revision of its Terms of Reference (TOR), which will define main mechanisms of TELWG for the following years in accordance with priorities and action lines set up in the Strategic Action Plan 2016-2020.

TELWG will continue cooperation with other APEC fora, including the Ad Hoc Steering Group on the Internet Economy (AHSGIE)[1], Counter-Terrorism Working Group (CTWG), Emergency Preparedness Working Group (EPWG), APEC Group of Friends on Disability (GOFD), Group on Services (GOS), Human Resources Development Working Group (HRDWG), APEC's Policy Partnership on Science, Technology and Innovation (PPSTI), Policy Partnership on Women and the Economy (PPWE), and Small and Medium Enterprises Working Group (SMEWG). TELWG will continue contributing into implementation of the following cross-fora initiatives:

i)   Boracay Action Agenda to Globalize MSMEs;

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[1] AHSGIE's mandate ends during the third quarter 2017

ii) APEC Emergency Preparedness Group on APEC Disaster Risk Reduction (DRR) Framework;

iii) APEC Services Cooperation Framework; and

iv) APEC Education Strategy.

TELWG will continue close cooperation with international partners such as the International Telecommunication Union (ITU), the Organization for Economic Cooperation and Development (OECD), the Asia Pacific Network Information Centre (APNIC), the Internet Society (ISOC) and the International Telecommunications Users Group (INTUG).

TELWG will continue to invite different international public and private stakeholders to participate in its meetings.

TELWG will be open to any international organization that is interested in participating in TELWG activities to strengthen cooperation between various international stakeholders in the APEC region. Participation of international organizations and stakeholders in TELWG will be conducted in line with the Guidelines on Managing Cooperation with Non-Members (2015/SOM3/005).

1. **Expected Outcomes/Deliverables for 2017.**

1.1. Revise Terms of Reference (TOR) by the end of 2017;

1.2. Finalize "Mechanisms for AHSGIE & TELWG Cooperation";

1.3. Hold ICT Innovation Industry Roundtables at TEL55 and TEL56;

1.4. Hold ICT Industry Roundtables at TEL55 and TEL56;

1.5. Hold ICT Regulatory Roundtables at TEL55 and TEL56;

1.6. Finalize work on the project "Cybersecurity Framework";

1.7. Conduct an annual Cyber Security Awareness Day in October 2017;

1.8. Continue work on APEC e-Government Research Center, APII Testbed Project and the ICT Applications for People with Special Needs (Ageing and Disabilities);

1.9. Complete the report on the survey of initiatives in APEC Economies to promote access to ICTs for people with hearing and/or speech impairments

1.10. Resubmit three project proposals for APEC Funding in 2017-2018:

i) Improvement of the living standards of socially deprived and vulnerable people through ICTs";

ii) Earthquakes and Waterfloods Monitoring System with the application of the Internet of Things (IoT); and

iii) Policies and Regulatory Practices for Mobile Financial Services in APEC Region.

1.11. TELWG will also continue to update the of two attachments to the Strategic Action Plan 2016-2020:

i) Planning and Prioritization Table; and

ii) Cooperation with AHSGIE and Other Fora Table.

2. Itemized Work Plan for 2017.

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)
Policies and Regulatory Practices for Mobile Financial Services (MFS) in APEC region APEC-funded (application to BMC in 2017)	The project aims to find a space for cooperation on promoting mobile financial services (MFS) by carrying out a survey, case-studies and organizing workshops on the issue of "Policies and Regulatory Practices for MFS in the APEC region. Mobile devices (mobile phone, tablet and data dongle) have become an inseparable tool in one's daily life. The multi-functionalities of the mobile devices have extended its basic calling functionality to diversified lucrative services. The innovation of MFS is one of such advancements, which has enormously changed the lives of people all around the world. However, there are 4.7 billion mobile phones on the planet, as compared to only 1.2 billion banking customers. Based on study and discussion, a review of MFS policy and regulatory practices in APEC region will be done. The project will start from November 2017 and end by November 2018. A workshop is planned during a APEC TEL meeting held in 2018. The project outcomes will contain mid-term and final reports on supportive policy framework and best practices in MFS in APEC region.	APEC Strategy to Ensure a Trusted, Secure, and Sustainable Online Environment (TSSOE) of 2005. APEC Services Cooperation Framework (2015).	- Technologies and Innovation; - Inclusive Growth; - Sustainable Growth.	Ad Hoc Steering Group on the Internet Economy (AHSGIE); Group on Services (GOS);
Improvement of the living standards of socially deprived and vulnerable people through ICTs APEC-funded (application to BMC in 2017)	This project aims to study ways of ICTs implementation for improvement of the living standards of socially deprived and vulnerable population groups including low income earners, senior citizens, single parent families and young families. These groups of ICT users are rather numerous and have the greatest potential for living standards improvement through the use of up-to-date ICTs, but up to now these groups of users have not been given special attention unlike, for example, children, women and people with special needs. However, the region's economy would highly benefit from revealing of the barriers that prevent these groups from the use of ICTs and discovering the ways of removing them.	Increased human development potential through consideration of possible ways to actively include remoted and socially deprived and vulnerable people into economic activities, enhancing people-to-people connectivity (APEC	- Human Capital Development; - Technologies and Innovation; - Inclusive Growth; - Sustainable Growth.	Policy Partnership on Women and the Economy, Human Resources Development Working Group, Electronic Commerce Steering Group, Emergency Preparedness

	The project requires an experience exchange between APEC economies and the development of recommendations on the use of ICTs in order to improve the living standards of socially deprived and vulnerable groups of population. To increase capacity building and share best practices as well as discuss and adopt the outcomes of the project a workshop will be organized in the framework of the TEL Working Group meeting. The project will start in September 2017 and end in December 2018. The Workshop is planned to be conducted in the first half of 2018 during the TELWG meeting.	Connectivity Blueprint 2015-2025). APEC Disaster Risk Reduction Framework (2015); APEC Disaster Risk Reduction Action Plan (2016);		Working Group and Ad Hoc Steering Group on Internet Economy.
Earthquakes and Waterfloods Monitoring System with the application of the Internet of Things (IoT) APEC-funded (application to BMC in 2017)	The project aims at maintaining the basis for a monitoring system on earthquakes and waterfloods, through the application of the Internet of Things. Cooperation on the data proceeding through synchronization of the data that is received from the existing monitoring systems and IoT detectors will help to detect emergency (earthquakes and waterfloods) signals on the earliest stages and considerably increase predictability of the existing systems. It would reduce damage of property and number of victims that occur in result of earthquakes and waterfloods as people, who are warned about an emergency earlier, have more chances to rescue themselves. It will help to increase effectiveness of the decision making in ICT sphere, share best practices and coordinate actions through the special platform, develop a unified selection and application of the IoT technologies strategy in the current monitoring of the global natural and technogenic processes systems that would meet the requirements of all member economies. The project will start in September 2017 and end in December 2018. The Workshop is planned to be conducted in the first half of 2018 during the TELWG meeting.	APEC Disaster Risk Reduction Framework (2015); APEC Disaster Risk Reduction Action Plan (2016);	- Human Security; - Technologies and Innovation; - Inclusive Growth; - Sustainable Growth	Emergency Preparedness Working Group (EPWG)
Cybersecurity Framework (self-funded by Thailand)	The project aims at the development of the APEC Cybersecurity Framework, which aims at helping APEC economies improve their understanding and awareness of work going on across the region and in relevant international bodies, promote discussions of best practices for addressing key issues on the topic and begin to identify common themes and frameworks in regional and global approaches to secure, safe and trustful Online environment.	APEC Strategy to Ensure a Trusted, Secure, and Sustainable Online Environment (TSSOE) of 2005.	- Technologies and Innovation, - Human Security.	Ad Hoc Steering Group on the Internet Economy (AHSGIE); Counter-Terrorism Working Group (CTWG).

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Cybersecurity Awareness Day (self-funded by United States)	The project aims at raising awareness, which will contribute to a safe and trusted ICT environment in the APEC region. Interested member economies conduct cybersecurity awareness activities and inform TELWG on their progress.	APEC Strategy to Ensure a Trusted, Secure, and Sustainable Online Environment (TSSOE) of 2005.	- Human Security.	No
Survey of initiatives in APEC Economies to promote access to ICTs for people with a hearing and/or speech impairment (self-funded by Australia)	The project proposes to survey APEC Economies to learn about their policies, legislation and initiatives to promote access to ICTs for people with hearing and/or speech impairments, and to develop a report presenting this information and providing an analysis of current trends. The proposed survey is foreshadowed in the TEL Strategic Action Plan 2016-2020: Planning and Prioritization under Priority Area 1.1: Promote innovation and value creation in ICTs. It will build on Peru's Seminar on Social Inclusion of People with Disabilities through Access to Telecommunications held at TEL 53.	Increased human development potential through consideration of possible ways to actively include remoted and socially deprived and vulnerable people into economic activities, enhancing people-to-people connectivity (APEC Connectivity Blueprint 2015-2025).	- Human Capital Development; - Technologies and Innovation; - Inclusive Growth; - Sustainable Growth.	Group of Friend of Disability (GOFD)
Extension of ICT Application for the People with Special Needs (Seniors and People with Disabilities) (self-funded Japan)	The main goal of this project is to extend the APEC funded project (2011) that has created an effective platform for knowledge exchange on innovation for assistive ICT applications for elderly and disabled people. The project included evaluation of experiences in implementation and manpower training of ICT applications for people with special needs in participating Economies. The planned activities are as below: Firstly, Stakeholders Review Meeting in Italy in June 2016 by Japan, Singapore, USA, Thailand and Chinese Taipei. Secondly, EU Global Summit on e-Ageing in Brussels in Dec. 2016 – Participating as speaker. Thirdly, publication on Smart Silver innovation in APEC region in April 2017.	Increased human development potential through consideration of possible ways to actively include remoted and socially deprived and vulnerable people into economic activities, enhancing people-to-people connectivity (APEC Connectivity Blueprint 2015-2025).	- Human Capital Development; - Technologies and Innovation; - Inclusive Growth; - Sustainable Growth.	Group of Friend of Disability (GOFD)
Extension of APEC e-Government Research Center (self-funded by Japan)	The APEC e-Government Research Center at Waseda University was established to provide assistance in looking for solutions to the various challenges of e-Government. The main objective of the APEC e-Government Research Center is to develop recommendations for the improvement of e-Government implementation and organize the discussions on the related topics.	Enhancing Institutional Connectivity (APEC Connectivity Blueprint 2015-2025).	- Human Capital Development; - Technologies and Innovation; - Inclusive Growth; - Regional Economic Integration;	Waseda University (Japan)

			- Structural Reform; - Sustainable Growth.	
Extension of APII Testbed Project (self-funded by Korea)	The proposal promotes the construction and expansion of Asia Pacific Information Infrastructure (APII) to realize the vision of Asia Pacific Information Society and common prosperity of APEC. The proposal aims to improve the interconnectivity and interoperability of intra/inter-regional networks to enhance regional and global connectivity. The project touched on e-medicine in cooperation with Malaysia. Medical operations have been live-streamed using 4k technology and remote medical consultation videoconferencing. Other project updates on the Korean language learning program broadcasting with Vietnam, a broadcasting network to smartphones. Korea plans to open a new network operation network, with an opening ceremony at the end of the year. Korea also highlighted some events that had been run under the APII; (1) Korean Future Netowork Centre) agreement ceremony; (2) K-ICT NET Challenge Camp 2; and (3) 40th APAN Conference. Korea plans a contract with new international network service providers for 2016-18. Establishment of PS-LTE testbed site in KOREN FNC. Korea wants to expand the workshop to invite more of its partner economies to open up the workshop to share common interests in ICT and Telecommunications.	Enhancing Physical Connectivity through development of ICT infrastructure and improvement of provision of the access to broadband Internet (APEC Connectivity Blueprint 2015-2025).	- Human Capital Development; - SMEs; - Technologies and Innovation; - Inclusive Growth; - Regional Economic Integration; - Sustainable Growth	No
ICT Innovation Industry Roundtables (self-funded by TEL Host Economies)	Two roundtables are expected to be held at TEL55 and TEL56 by the Host Economy. The exact priorities of the Roundtables will be defined by the Host Economies in cooperation with TELWG members later.	Depends on the Roundtable Agenda	Depends on the Roundtable Agenda	The Roundtables will be open for TELWG Guests (APNIC, APLAC, APTLD, INTUG, ISOC and other guests, invited by the Host Economies).
ICT Industry Roundtables (self-funded by TEL Host Economies)	Two roundtables are expected to be held at TEL55 and TEL56 by the Host Economy. The exact priorities of the Roundtables will be defined by the Host Economies in cooperation with TELWG members later.	Depends on the Roundtable Agenda	Depends on the Roundtable Agenda	The Roundtables will be open for TELWG Guests (APNIC, APLAC, APTLD, INTUG, ISOC and , invited by the Host Economies).

ICT Regulatory Roundtables (self-funded TEL56 Host Economies)	Two roundtables are expected to be held at TEL55 and TEL56 by the Host Economy. The exact priorities of the Roundtables will be defined by the Host Economies in cooperation with TELWG members later.	Depends on the Roundtable Agenda	Depends on the Roundtable Agenda	The Roundtables will be open for TELWG Guests (APNIC, APLAC, APTLD, INTUG, ISOC and other guests, invited by the Host Economies).
Small Cells Deployment in APEC Economies (self-funded by Singapore)	The key objective of this project is to drive the adoption of Small Cells for mobile networks in APEC to support existing and new wireless applications and services. It also aims to enhance mutual learning and understanding in Small Cells deployment to enable APEC economies to benefit from such deployment. A planned half-day workshop is proposed to provide policy makers and regulators a platform to look into facilitating new wireless services and applications, or enabling service providers to utilise Small Cells to supplement and enhance their existing networks.	Strategic Action Plan 2016-2020	- Technologies and Innovation;	No