APEC TEL

54th Telecommunications and Information Working Group Meeting

(Draft)

Observer Report for INTUG

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54th APEC TEL WORKING GROUP MEETING

31st October – 4th November 2016

Keihanna Science City– Kyoto Prefecture, Japan

PLENARY

The meeting commenced with a high participation from all economies and several observer guests from Japan and internationally. All participants were given an excellent welcome by the Japanese hosts. Several Japanese companies based in Keihanna Science City took advantage of the location of the meeting for networking and learning about APEC work and activities.

In addition to the program of meetings, we were also hosted one afternoon by the University of Doshisha and given a presentation on cutting edge artificial Intelligence, speech recognition and robotics research and applications. In fact Keihanna regularly hosts leading ICT events in Japan with expos on smart cities 3 times already as well as AI and other neuroscience projects.

The steering group meetings, workshops and for the first time a joint regulatory and industry Roundtable provided excellent opportunities for sharing information and about best practices, achievements and current ICT global challenges. The APECTEL Chair noted in his opening address that ICT connects the majority of people around the globe with 7 billion now also using mobiles. He also highlighted the need to ensure those no yet using the internet get connected but this is a huge challenge for APEC and its member economies. In summary he highlighted that APECTEL has a vital role to play ensuring that communications services are affordable, trustworthy, secure and reliable.

The Japanese head of delegation encouraged all the partcipants to work over the next few days towards supporting the development and innovation in the ICT sector, to promote more digital literacy and a trusted ICT environment so that ultimately we can all contribute to enhancing the digital economy. Outcomes from the meeting would be presented at the APECC leaders Summit in Peru the following week.

Workshop Outcomes and Project Updates

Industry/Regulatory Roundtable

As host of TEL 54, Japan had opted to hold the Industry and Regulatory

Roundtables, traditionally held as two separate sessions, as a combined session under a single overarching theme on "Free Flow of Data". The Roundtables were held on 2 November 2016. During this half-day Roundtable, there were two sessions discussing "Business Models and the Use of Free Flow of Data" and "Policy and Regulatory Frameworks for Emerging Digital Economy and Society 5.0".

In his opening statement on the impact of Industry 4.0, Seiji Takagi, Director-General for International Affairs, Global ICT Strategy Bureau, Ministry of Internal Affairs and Communication (MIC), felt that there was a need to discuss the promotion of free flow of data in order to fully reap the potential benefits of the digital economy. Charles Chew, LSG Convenor, in his opening remarks, noted that given the increase in data flows from increased connectivity through mobile internet technology, the focus of key stakeholders should be on the wider data economy. In his opening speech, Keiichiro Seki, Director-General of Kinki Bureau of Telecommunications, MIC, highlighted the potential requirements on free flow of data in utilizing information and technology including Cyber-Physical Systems, IoT devices and cloud services which will lead to structural changes of industry and society.

This session was moderated by Jake Jennings, AT & T. Industry representatives from Yahoo! JAPAN, Sony Corporation, Rebright Partners and NC APEC explained the importance of Cross Border Data Flows in their businesses both in terms of providing new and innovated services to customers as well as in running their businesses (e.g. Human Resources, accounting and continuing education). The panelists highlighted how new innovation like the Internet of Things and Big Data/Data Analytics would further drive the need for cross border data flows. The panelists identified two crucial issues that would impact their abilities to provide services, invest and innovate in the digital economy: Data Privacy/Protection and Cyber Security. Accordingly, they recommend a flexible, interoperable and risk-based approach to address both Data Privacy and Cyber Security requirements. In addition, they recommend building off of existing global frameworks, including the APEC Cross Border Privacy Rules (CBPR) System and the National Institute Science and Technology (NIST) Cyber Security Framework.

For the subsequent session moderated by Dr Makoto Yokozawa, Kyoto University/NRI, policy makers from both MIC and METI (Japan), policy advisor from Japan Business Federation (Keidanren) and AT&T's regulatory affairs representative joined as the panelists in the Policy Session for free flow of data. Following the discussions in the first session by business representatives, the moderator posed three questions to participants to spur discussions during the Q&A session later: 1) the impact of free flow of data on APEC economies, 2) potential policy issues and its priority in free flow of data and 3) the role of APEC TELWG in promoting the free flow of data. After responses of suggestions and questions in the room, the overall consensus reached was

that:
- Requirements for free flow of data is a common understanding of all participants to be promoted in APEC, but it also needed globally accepted operational rules; and
- APEC TELWG needs to promote Digital Communications in the structure of free flow of data, as well as to work together with other related organizations and discussion bodies in APEC and other institutes

During the LSG meeting, Jennings commented that the modality of the combined round table gave the opportunity for both industry and government representatives to discuss this issue.   He further suggested that consumers and civil society could be included in future Roundtable session.

Stemming from Japan's summary of outcomes of the Roundtable, LSG agreed to table two proposed findings of the Roundtable to recommend that APEC Senior Officials to reaffirm the importance of the free flow of data and to promote policies.   The proposed text outlining this as follows:

Following the conclusions of the Industry/Regulatory RoundTable for Free Flow of Data, the LSG recommends to Plenary that APEC TEL WG call on APEC Senior Officials to;

i) *Reaffirm that Free Flow of Data is essential in inclusive growth and can catalyse innovation and creativity, support research and knowledge sharing, enhance trade and e-commerce, enable the development of new businesses and services, and increase peoples' welfare; and*

ii) *Promote Policy and Regulatory development for formulating inter-operable and flexible globally accepted rules, including but not limited to applicable frameworks for intellectual property protection, data and privacy protection, and cyber security.*

Workshop on promoting the next generation broadcasting (4K/8K)

MIC, Japan hosted the workshop on 4K/8K on 1 November 2016.   As part of the programme, a group of participants were brought to Tokyo, Japan, the day before where they visited the NHK and the SKY Perfect JSAT Corporation for a demonstration on the 4K/8K broadcasting.

The workshop was chaired by Yasuhito Tamada, Director of Satellite and Regional Broadcasting Division, MIC, Japan. The workshop commenced with a demonstration of 8K display on a special monitor after which Tamada delivered his key note speech. This was followed by 7 presentations with regard to on this subject of the next generation

terrestrial, satellite or cable broadcasting or 4K/8K.

Specifically, presentations were delivered by i) the Public Broadcasting Operator (NHK) on 8K BS trial broadcasting and contents creation, as well as 8K application for medical care; ii) the Association for Promotion of Advanced Broadcasting Services (A-PAB) on 4K BS trial broadcasting; iii) SKY Perfect JSAT Corporation (a Communication Satellite Operator) on 4K CS broadcasting in service; iv) Japan Cable and Telecommunications Association on 4K cable rebroadcasting; v) NTT Plala (an IPTV Operator) on 4K IP broadcasting; vi) NHK Media Technology, Inc. (a broadcasting contents and technology developer) on use and application of 4K/8K; and Next Generation Contents Distribution Forum on 4K/8K video.

CA and MRA Task Force Meeting Report

CA and MRA Task Force Convenor gave a brief update on activities at the CA and MRA Task Force. It was noted that the Conformity Assessment & MRA Task Force (CA & MRA TF) met over two sessions. The first session was on 1 Nov 2016 and second session was on 2 Nov 2016. The Meeting was attended by 26 delegates from 15 economies – namely Brunei Darussalam, P.R. China, Hong Kong China, Indonesia, Japan, Republic of Korea, Malaysia, Mexico, Papua New Guinea, Russia, Singapore, Chinese Taipei, Thailand, United States and Vietnam.

The salient discussion points of the CA & MRA TF meetings at TEL54 were:

i) Six economies updated on their progress in their MRA implementation activities.   They are Japan, ROK, Malaysia, Chinese Taipei, United States and Viet Nam.

ii) Chinese Taipei shared their efforts to update their test labs and CABs following the regulatory changes made by MRA partners. Workshops and trainings were conducted to ensure their test labs and CAB were compliant with the new regulations.

iii) Japan informed the TF of their new approach to MRA for Equivalence of Technical Requirements (MRA ETR).   This is Project E under the APECTEL MRA.   Although this MRA-ETR implementation guideline has been completed, no member economy has officially adopted the MRA-ETR currently.

iv) ROK presented their case study on Directions of Privatization on Technical Regulation and Conformity Assessment Procedure in ICT Equipment. The study was undertaken due to the shorter life cycle of ICT products and to simplify the test-certification procedure in order to accommodate the request of trading partners and to expand the market on private conformity assessment market.

v) Other issues discussed during the CA & MRA TF meetings was to review the documents and guidelines available in the APECTEL MRA website and to do perform the necessary updates to revise the documents where necessary. All economies were invited to go through those documents and the feedback received will be compiled and consolidated for the necessary approval.

vi) On the scope of APEC TEL MRA and Missions of Task Force:

    a) Chinese Taipei shared the accreditation of Program for Mobile App Security and how Chinese Taipei approached this issue with their stakeholders.

    b) New compliance marking was also discussed as it was difficult for compliance marking to be put into smaller devices such as wrist devices and other devices such as Bluetooth devices. Therefore, the compliance marking should consider in future how best handle the display of compliance markings such that the design of the product is not compromised.

    c) Japan also shared the Japanese 2020 Policy & Consideration for Telecommunication Equipment and how Japan planned to embark on the 5G technology and explore business opportunities with broader industries such as automotive field, industrial machinery field, smart meters, and other IoT fields.

    d) Another presentation from Japan was on the advantage on using Japan Calibration Service System (JCSS) where they had issued approximately 500, 000 certificated for the year 2016.

vii) Japan will conduct the annual MIC MRA International Workshop 2017 which plan to be held from 22 March to 23 March 2017 in United Nation University in Tokyo Japan. The workshop to be conducted are open to all APEC Economies.

LIBERALIZATION STEERING GROUP MEETING

The Liberalization Steering Group (LSG) meeting was held on 3 November 2016 and was convened by LSG Convenor, Mr Charles Chew, from Singapore with 1st Deputy Convenor, Mr Nguyen Duc Toan from Viet Nam present. A total of 15 economies were in attendance: Australia, Brunei, PR China, Indonesia, Japan, Republic of Korea (ROK), Malaysia, Mexico, Papua New Guinea, Philippines, Singapore, Chinese Taipei, Thailand, the United States and Viet Nam. Representatives from INTUG and ISOC were present as well.

1. **Opening**

Welcoming remarks from LSG Convenor

Convenor welcomed the delegates to the LSG TEL 54 meeting. He went on to recount the week's activities leading up to the LSG meeting which included the combined industry and regulatory roundtables and the 4K/8K tour to Tokyo that host, Japan, organised the day before on 2 November 2016.

Adoption of the Agenda

Giving an overview of the agenda, the Convenor highlighted the recent additions to the agenda stemming from a decision taken by the Chair at the HOD & ExComm meeting (31 October 2016) where the Chair requested SGs to look into endorsing documents such as the Strategic Action Plan (SAP) and TEL WG Work Plan 2017.   The agenda was adopted.

2. Overview of the TEL 53 LSG report

Deputy Convenor, Nguyen Duc Toan, highlighted the salient points of the TEL 53 report.   TEL 53 was chaired by then-LSG Convenor, Mr. Mitsuhiro Hishida, from Japan, with Deputy Convenor, Mr. Nguyen Duc Toan, from Viet Nam. A total of 8 economies participated; Australia, China, Indonesia, Japan, Peru, Chinese Taipei, USA, and Viet Nam.

The LSG Industry and Regulatory Roundtables were held on 14 June 2016.   The topic for the LSG Industry Roundtable was 'Connecting People and Things' and it discussed themes on bridging the digital divide, impact of a networked society and resource management.   As for the LSG Regulatory Roundtable on 'Public Policies for ICT', the themes discussed included challenges in rolling out ICT policies and various government digital initiatives.

As for the CA&MRA Task Force (CA&MRA TF) Meeting, it was reported that the meeting was chaired by the Vice-Chair Mr. Nob Nakanishi from Japan, as the Chair, Mr. Jailani Buntar, Brunei Darussalam was unavailable to attend TEL53. The CA&MRA TF met over three sessions.

On the area of LSG project proposals, there were no new projects tabled. On convenorship for LSG, Mr Charles Chew, Singapore, was endorsed to take up the role of LSG Convenor.

viii)

3. TEL work plan and TEL Strategic Action Plan
TEL Strategic Action Plan 2016 – 2020

Convenor provided a recap of the priority areas and projects under the TEL SAP 2016-2020. The Convenor further requested the meeting to look through the SAP with the view to remove assigned areas to LSG that may have been incorrectly allocated or no longer irrelevant to LSG. The context was that given that a mid-term review for TEL activities vis-à-vis the SAP will likely be undertaken next year, the goal was to ensure accuracy of the list of areas assigned to LSG and work towards implementing projects in relevant areas. The SAP was updated to reflect that a couple of projects have been completed.

Discussion on future activities

Singapore indicated its interest to deliver two self-funded projects in the areas of small cell deployment and green data centre in 2017. The concept notes for these two projects will be tabled intersessionally.

4. 2016 Independent Assessment for TELWG

The draft proposed response to the 2016 Independent Assessment report was surfaced for TELWG members' comments and inputs. While some economies had preliminary views, economies agreed to provide their considered comments to the proposed reply to the Independent Assessment Recommendation inter-sessionally.

5. Cross-fora Collaboration

Proposed Mechanism for AHSGIE & TELWG Cooperation

The Convenor introduced the draft proposed mechanism as a document to define the cooperation mechanisms between the APEC Ad Hoc Steering Group on the Internet Economy (AHSGIE) and TELWG. Economies agreed to provide their comments to the proposed Mechanism inter-sessionally.

Proposal on further cross-fora and external collaboration

The meeting noted that one of the recommendations stemming from the Independent Assessment pertained to the need for TEL WG to develop and execute an external engagement plan. This proposal on further cross-fora and external collaboration was therefore intended to detail TEL WG's proposd mechanism to implement the said recommendations. The meeting agreed that this document will be circulated to Economies for their comments with the view to formulating a common position by TEL55.

6. TELWG ToR Revision

The meeting agreed to compile Economies' comments on the TELWG ToR Revision by TEL55.

7. Information Exchange

Member's updates

Mexico shared key observations and trends in their telecom sector three years after their constitutional reform that resulted in the formation of the Instituto Federal de Telecomunicaciones, Singapore presented their ongoing spectrum auction and the US updated the meeting on recent FCC initiatives including new broadband consumer privacy rules, broadband health mapping tool, wireless emergency alerts and robocall strike force.

8. Next Meeting and Future Work

Next Industry/Regulatory Roundtable

Mexico updated that they would provide more details on the proposed theme for the Industry and Regulatory Roundtables by the end of this year. Recalling the suggestion by AHSGIE Chair on a possible LSG roundtable topic entitled "Developing the internet economy: Emerging regulations", Japan suggested Mexico might wish to consider this topic for its Roundtable.

9. Convenorship

As the positions of LSG Convenors and Deputy Convenors have already been filled, the meeting noted the table of convenors for TEL WG.

10. Other Business

There was no other issues raised.

11. Closing Remarks from the LSG Convenor

The LSG Convenor noted that the meeting had progressed smoothly and accomplished several action items for reporting to the HoD & ExComm meetings and at Plenary. He noted that there was still work to be done inter-sessionally, specifically with regard to the draft Proposed Mechanism for AHSGIE & TELWG Cooperation, draft Response to the Independent Assessment Recommendation and draft TELWG ToR Revision further with the goal to endorse them by TEL55. The Convenor thanked all Economies, Industry participants and Invited Guests for their cooperation, active participation and positive contributions.