**APT SYMPOSIUM ON SPECTRUM MANAGEMENT 2018**

3 – 5 September 2018, Manila, Philippines

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**CONCEPT NOTE**

1. **Background**

Recognizing the importance of ICT and its role for coming Digital Economy, many countries formulate National ICT Strategy as their guideline to move forward. At the same time, emergence of latest wireless technologies has drastically changed ICT environment. Therefore, it is now crucial to have effective and efficient spectrum management policy and regulation in drafting and implementing National ICT Strategy. However, there is a necessity to answer a number of policy and regulatory questions in the context of spectrum management. Among such questions include how to address the increasing demand for additional spectrum and formulate a roadmap for allocating spectrum; how to valuate the role of radio spectrum in national economy and society; and what industry policy to be adopted. These questions are important to be studied and answered and it is national and regional interest to do so.

The Strategic Plan of the APT for 2018-2020 adopted by the 14th Session of the General Assembly of the Asia-Pacific Telecommunity in November 2017, addresses the new challenges in spectrum management. The Strategic Plan has emphasized APT to work with its members on improving spectrum management practices to mitigate digital infrastructure constraints relating to the use of spectrum resource. A number of action items has been listed in this regards in terms of ensuring the availability of spectrum for new applications, efficient use of spectrum, developing spectrum roadmap, harmonization of the use of spectrum at regional and global level and sharing best practices.

APT being the only inter-governmental organization on telecommunication/ICT in the Asia-Pacific has considered the importance of spectrum management since its inception. Spectrum Management has always been an integral part of APT’s activities towards the development of telecommunication/ICT in the region. The APT Conference Preparatory Group for WRCs (APG) is involved in developing APT Common Proposals for WRC. On the other hand, the APT Wireless Group (AWG) is dealing with the implementation of the decisions of WRCs for achieving harmonization as well as technical aspects of the latest wireless technologies. However, a number of key aspects, as mentioned above, in relation to policy and regulatory aspects of spectrum management has yet not been dealt enough in APT activities even though there is considerable interest from members.

Considering the interest and demand of the members on policy and regulatory aspects of spectrum management, the Symposium on Spectrum Management 2018 was proposed and approved by the 41st Session of the Management Committee of the APT.

1. **Objectives**

2.1 Discuss and share understandings on policy and regulatory issues in spectrum management, possible approaches toward new ICT trends and to facilitate regional cooperation in relevant areas, emphasizing on but not limited to:

* Role and function of spectrum management policy in the context of National ICT Strategy
* Spectrum policy and regulation with recent industry trends;
* Related industry/competition policy and regulation (licensing, spectrum re-farming, etc.)
* Coordination to minimize the cross-border interference;
* Best practices and experiences in spectrum management among member countries;

2.2 There will be a dialogue among high level policy makers, regulators and industry in the region on those issues mentioned above.

1. **Tentative Programme:**

Tentative Programme is attached in Annex A

1. **Expected outcome**

4.1 Understanding of role and function of spectrum management

4.2 Facilitating appropriate policy and regulatory actions in the Asia-Pacific region

4.3 Enhanced greater regional cooperation in the area of spectrum management

1. **Date and Venue**

3-5 September 2018 in Manila, Philippines.

1. **Participants**

The Symposium has been developed for the high level executives and officials of the policy makers, telecom regulators and industry in Asia-Pacific who are involved and have interests in spectrum policy, regulation and management. Open to all APT Members, Associate Members and Affiliate Members as well as international/regional organizations. A number of regional and global eminent experts on spectrum policy, regulation and management would be invited as resource persons.

It is expected that the Symposium would be attended about 80 – 100 delegates.

1. **Contact persons**

|  |  |
| --- | --- |
| **APT Secretariat** | **Local Secretariat** |
| Asia-Pacific Telecommunity (APT)  12/49 Soi 5, Chaeng Watthana Road  Bangkok 10210, Thailand  Tel: + 66 2 573 0044  Fax: +66 2 573 7479  E-mail: [apt-ssm@apt.int](mailto:apt-ssm@apt.int) |  |

**Annex A**

**APT Symposium on Spectrum Management 2018**

**Tentative Programme**

|  |  |
| --- | --- |
| **Time** | **Monday, 3 September 2018** |
| 09:30 – 10:00 | **Opening**   * Welcome Address by APT Secretariat * Inaugural Address by DICT, Philippines * Presentation of Token of Appreciation   (Group Photograph) |
| 10:00 – 10:15 | Coffee/Tea Break |
| 10:15 – 10:30 | **Session 1 – Updates of APT Policies and Strategic Plan**   * Outcomes of the 14th Session of the General Assembly of the Asia-Pacific Telecommunity   + The Strategic Plan of the APT for 2018-2020   + APT Ministerial Meeting   + Celebration of the 40th Anniversary of APT |
| 10:30 – 12:15 | **Session 2 – Roundtable: *National Broadband Policy and spectrum management***    *The session overviews and discusses on the role and function as well as expectation of spectrum management in respect to implementing and achieving national ICT goals (such as National ICT Strategy).*    *Moderator: (TBD)*  ***Discussion Topics:***   * How the issues Spectrum Management has been addressed in the context of national broadband policy? * Why it is important to have a spectrum policy in national ICT strategy * Q&A   ***Panelists:***   * High-level Policy Makers and Regulators; |
| 12:15 – 14:00 | Lunch Break |
| 14:00 – 15:30 | **Session 3 – *Understanding the spectrum needs and developing a roadmap for spectrum***  *Wireless technologies and services are changing rapidly and policy makers and regulators need to digest them into related policies and regulations. First half of two sessions focuses on identifying the issues to be accommodated into spectrum roadmap and its implementation in order to facilitate ICT trends.*  *Moderator: (TBD)*  ***Discussion Topics:***   * Need for spectrum for various economies * Industry demand of spectrum * Best practice of developing a Spectrum Roadmap * Priorities of spectrum allocation * Industry view * Q&A   ***Panelists:***   * Policy makers and regulators; * Industry Representatives |
| 15:30 – 15:45 | Coffee/Tea Break |
| 15:45 – 17:15 | **Session 4 – *Understanding the spectrum needs and developing a roadmap for spectrum (Continue)***  *Second half of two sessions will be dedicated to share the experiences of formulating and implementing national spectrum roadmap.*  *Moderator: (TBD)*  ***Discussion Topics:***   * Experience sharing from member countries * Industry views and Q&A   ***Panelists:***   * Policy makers and regulators; * Industry Representatives |
| **Time** | **Tuesday, 4 September 2018** |
| 09:00 – 10:30 | **Session 5 - *Economic and social valuation of spectrum in digital society***  *Economic and social valuation of spectrum with respect to digital society can be varied in the context of each National ICT Strategy, which in turn reflects the policy/regulatory approaches towards licensing, pricing, efficient usage of scarce resource etc. This session introduces and discusses about possible principles and concepts of licensing and pricing including auction as a method, covering industry policies in the field of competition, investment and R&D etc.*  *Moderator: (TBD)*  ***Discussion Topics:***   * Valuation of spectrum in national context * Different methods of spectrum valuation * Spectrum pricing, auction and licensing * Industry views and Q&A   ***Panelists:***   * Policy makers and regulators; * Industry Representatives; * Experts/Academia |
| 10:30 – 10:45 | Coffee/Tea Break |
| 10:45 – 12:15 | **Session 6-  *Economic and social valuation of spectrum in digital society (Continue)***  *During this session the members may share their experience of developing their economic and social valuation of spectrum.*  *Moderator: (TBD)*  ***Discussion Topics:***   * Experience sharing from member countries * Industry views and Q&A   ***Panelists:***   * Policy makers and regulators; * Industry Representatives; * Experts/Academia |
| 12:30 – 14:00 | Lunch Break |
| 14:00 – 15:30 | **Session 7 – *Spectrum re-farming and re-deployment***  *This session will cover discussions on the feasible re-farming/re-deployment opportunities and the way to implement it from technical aspects, policy and regulatory aspects as well as business aspects.*  *Moderator: (TBD)*  ***Discussion Topics:***   * The principles of re-farming/re-deployment * Possible opportunities of re-farming and its affects * Industry views and Q&A   ***Panelists:***   * Policy makers and regulators; * Industry Representatives ; * Experts/Academia |
| 15:30 – 15:45 | Coffee/Tea Break |
| 15:45 – 17:15 | **Session 8 –  *Spectrum re-farming and re-deployment (Continue)***  *During this session the Practices and experiences of spectrum re-farming and re-deployment in member countries are to be shared.*  *Moderator: (TBD)*  ***Discussion Topics:***   * Experience sharing from member countries * Industry views and Q&A   ***Panelists:***   * Policy makers and regulators; * Industry Representatives; * Experts/Academia |
| **Time** | **Wednesday, 5 September 2018** |
| 09:00 – 10:30 | **Session 9 - *Spectrum Management in the evolution of new technologies***  *This session will discuss about policy and regulatory challenges in coping with emerging new technologies and services in terms of market dynamics and social benefit. It may include unlicensed spectrum and spectrum sharing etc.*  *Moderator: (TBD)*  ***Discussion Topics:***   * Spectrum management challenges of New Technologies (IoT and 5G) * Experience sharing from member countries * Industry views and Q&A   ***Panelists:***   * Policy makers and regulators; * Industry Representatives; * Experts/Academia |
| 10:30 – 10:45 | Coffee/Tea Break |
| 10:45 – 12:15 | **Session 10 – *Cross-Border Coordination for Spectrum Harmonization***  *There are needs to coordinate spectrum harmonization with neighboring countries and some mechanisms do exist in this region. This session will share some practices of existing mechanisms and discuss about possible way forwards.*  *Moderator: (TBD)*  ***Discussion Topics:***   * Discuss the principles of cross-border coordination issues * Experience sharing from member countries * Industry views and Q&A   ***Panelists:***   * Policy makers and regulators |
| 12:30 – 14:00 | Lunch Break |
| 14:00 – 15:30 | **Session 11 – Future perspective**  *As ICT environment is continuously changing, it is necessary to foresee and consider necessary preparations and actions while dealing with current issues at hand. This session will discuss about future visions and possible policy agenda with respect to future spectrum management including wireless broadband, spectrum allocation, R&D etc.*  *Moderator: (TBD)*  ***Discussion Topics:***   * Long term spectrum vision and policies * Industry views and Q&A   ***Panelists:***   * Policy makers and regulators; * Industry Representatives; * Experts/Academia |
| 15:30 – 15:45 | Coffee/Tea Break |
| 15:45 – 17:15 | **Session 12 – Wrap-up and Closing**   * Wrap-up of the Symposium and way forward * Closing |