



ASIA-PACIFIC TELECOMMUNITY  
**15th APT Telecommunication/ICT Development Forum (ADF-15)**

11 - 13 June 2018, Colombo, Sri Lanka

and

Joint APT-NIA Workshop on ICT Broadband Connectivity

14 June 2018

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## CONCEPT NOTE

### 1. Background/Context

The development of telecommunication and ICT infrastructure has been a major challenge for many countries in the Asia-Pacific region. APT Members have been making huge efforts to bring telecommunications and ICT facilities to their people at an affordable price. However, there are many issues in the areas of policy, technology, application, etc. that need to be addressed for effective deployment. The APT Telecommunication/ICT Development Forum (ADF) has been established as a special forum that facilitates a comprehensive, focus and result oriented dialogue to address the development needs and issues for the Asia-Pacific region. ADF has successfully provided a platform for that purpose and participants could get benefits from sharing information and experience of best practices as well as trend of services and technologies for bridging digital gap.

ADF also links to the achievements of the ICT Pilot Projects in Rural Areas and any other ICT projects funded by the Extra-Budgetary Contribution from Japan and Korea. The results of the projects are reported in the ADF allotted session for the sharing the fruitful results under the close co-operation of the local collaborators and Experts in the APT Members.

In November 2017, the 14th Session of the General Assembly of the APT (GA-14) adopted the Strategic Plan of the APT for 2018-2020, which serves as the guideline for APT's activities for the period 2018-2020. Each work programme of the APT including ADF will focus its work within the following five (5) Strategic Pillars of the Strategic Plan:

- a. Connectivity: Developing the digital Infrastructure;
- b. Innovation: Enabling conducive environments and harnessing the benefits of new technologies;
- c. Trust: Promoting security and resilience through ICT;
- d. Capacity Building: Promoting inclusiveness and enhancing expertise; and
- e. Partnership: Solidifying strategic cooperation with stakeholders.

This year, the 15th APT Telecommunication/ICT Development Forum (ADF-15) will be held in Colombo, Sri Lanka hosted by the Telecommunications Regulatory Commission of Sri Lanka (TRCSL). ADF-15 will address various topics which are in line with those Strategic Pillars and the main focus will be on Connectivity and Innovation Pillars.

One objective of the "Connectivity" Pillar is to increase access to broadband connectivity with an emphasis on unserved and under-served population. It will be covered by topics such as updates on national broadband plan, equitable and universal ICT services, and affordable and sustainable connectivity. The objectives of the "Innovation" Pillar are to foster the development of the new ICTs, to promote conducive environments for innovation and value creation in ICT,

and to enhance the use of ICT as an enabler for achieving the Sustainable Development Goals 2030. It will cover topics such as IoT and its applications, and Start-ups and SMEs as Grass roots of ICTs.

The EBC Projects are considered in line with the “Capacity Building” Pillar in providing a platform to promote collaboration amongst ICT experts, researchers, academia, engineers and technical experts through collaborative research, ICT projects, exchange of experiences and knowledge sharing. Some of EBC projects are related to Disaster Management, which is in line with the “Trust” Pillar in providing support to members that are prone to natural disasters in establishing ICT-based solutions to assist with disaster preparedness, risk reduction and response, including wireless and satellite-based technologies.

Besides, ADF-15 will include a panel discussion on Sustainability of the funded projects which invites representative of APT Projects, Funding Agencies, and Official Development Assistant to discuss how to make the projects sustainable. It will also include an Information session on ITU-D activities. These are in line with the “Partnership” Pillar where one of its objectives is to increase exchanges and collaboration with the related international, regional and multilateral organizations as well as funding bodies to enhance cooperation for ICT development.

In addition, this year APT in collaboration with National Information Society Agency, Republic of Korea will organize a joint APT-NIA Workshop on ICT Broadband Connectivity as a back-to-back event with ADF-15 on 14 June 2018.

## **2. Objectives**

The overall objectives of ADF are 1) to bring the telecommunications and ICT policy makers, regulators and other relevant officials from the region to a common platform for a dialogue on issues of common concern with special attention on the rural areas, 2) to provide opportunity for Members to share information on the best practices and experiences for the common issues on ICT development, and 3) to promote sharing of expertise for addressing key issues of concern to the APT members on ICT development issues.

The specific objectives for ADF-15 are:

- To address issues in increasing access to broadband connectivity with an emphasis on unserved and underserved populations;
- To address issues in promoting conducive environments for innovation and value creation in ICT;
- To address issues in enhancing the use of ICT as an enabler for achieving the Sustainable Development Goals 2030;
- To report outcomes and achievement of APT projects;
- To address challenges related to disaster preparedness, risk reduction and mitigation as implemented by APT projects;
- To discuss issues relevant for the sustainability of the funded projects
- To bring the focus of top policy makers, regulators and industry representatives of ICT sector in the Pacific countries towards the Strategic Plan of the APT for 2018-2020.

## **3. Expected outcomes**

The agenda of the ADF-15 covers the list of topics to discuss on the achievements and results of the APT ICT projects funded by the Extra Budgetary Contributions (EBC), Update on

National Broadband Plan, Equitable and Universal ICT Services, Affordable and Sustainable Connectivity, etc. The provisional agenda and tentative programme are enclosed herewith and annexed to the concept note (See Annex A and B for more information).

Specific outcomes include but not least:

- High-level views pertinent to the new Strategic Plan of the APT for 2018-2020;
- Update participants on achievements and results of the APT ICT projects implemented in fiscal year 2016 and 2017;
- Share best practices and issues to be tackled in implementing projects
- Update on recent development of national broadband plans
- Share recent development and update on maximizing the benefits of universal service funds
- Update on members activities in developing and promoting high-speed, affordable and sustainable broadband networks
- Update on policy and regulatory framework to enhance the use of ICT as enabler in high potential sectors
- Update on challenges and success stories of Start-ups and SMEs as well as policy and regulatory measures to facilitate and build up sustainable ecosystems
- Update on Development sector of ITU (ITU-D) in order to enrich up-stream and down-stream activities between the works of ITU and APT

#### **4. Timing and Location**

ADF-15 will be held from 11 to 13 June 2018, in Colombo, Sri Lanka.

In addition, the joint APT-NIA Workshop on ICT Broadband Connectivity will be held after ADF-15 on 14 June 2018 at the same venue. The Seminar will be co-organized by APT and National Information Society Agency (NIA), Republic of Korea. The tentative programme of the seminar is attached herewith. (See Annex C for more information)

#### **5. Participation**

All APT Members, Associate Members, Affiliate Members, International/Regional Organizations, and eligible Non-Members can participate in ADF-15. For those who are under fellowship invitation will be contacted separately via focal organizations by the APT. Non-APT members may be invited to participate in the activities of the Forum as a guest at the discretion of the Chairman of the Forum and the Secretary General in consultation with the relevant Member administration as appropriate. Other non-APT members may participate as observer with the payment of the participation fee and subject to consultation between the Secretary General and the relevant Member Administrations as appropriate.

#### **6. Contact persons**

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**15th APT Telecommunication/ICT Development Forum (ADF-15)**

**Provisional Agenda**

1. Opening
2. Adoption of Agenda
3. Outcomes of the 14th Session of the General Assembly of the APT and 41st Session of the Management Committee of the APT Relevant to ADF
4. Strategic Plan of the APT for 2018-2020
5. Outcome and Achievements of the Projects via Extra Budgetary Contributions (EBCs)
6. Thematic Sessions
  - a. Update on National Broadband Plan
  - b. Equitable and Universal ICT Services
  - c. Affordable and Sustainable Connectivity
  - d. Sustainability of the Funded Projects
  - e. IoT and its Applications
  - f. Start-ups and SMEs
  - g. Information session on Development Sector of ITU
7. Way Forward
8. Any other matters
9. Closing

## 15th APT Telecommunication/ICT Development Forum (ADF-15)

## Tentative Programme

Time	Monday, 11 June 2018
09:30 – 10:00	<p><b>Opening</b></p> <ul style="list-style-type: none"> <li>• Welcome Address – Ms. Areewan Haorangsi, Secretary General of APT</li> <li>• Welcome Remarks –Chairman of ADF</li> <li>• Inaugural Address – TRCSL, Sri Lanka</li> <li>• Presentation of Token of Appreciation</li> </ul> <p>(Group Photograph)</p>
10:00 – 10:30	Coffee/Tea Break
10:30 – 10:45	<p><b>Session 1 – Plenary</b></p> <ul style="list-style-type: none"> <li>• Adoption of Agenda</li> <li>• Outcomes of the 14th Session of the General Assembly of the APT and the 41st Session of the Management Committee of the APT Relevant to ADF Session of the Management Committee of the APT Relevant to ADF</li> <li>• Strategic Plan of the APT for 2018-2020</li> </ul>
10:45 – 12:30	<p><b>Session 2 – <i>Updates on national Broadband Plan</i></b></p> <p><i>This session shares the recent development of national broadband plans, emphasizing the importance of the development of fair, predictable and transparent policy and regulatory environments that promote investment, productivity, competition and consumer safeguards</i></p> <p><i>Session Chairman : (TBD)</i></p> <ul style="list-style-type: none"> <li>• Member Administrations (TBD);</li> </ul>
12:30 – 14:00	Lunch Break
14:00 – 15:30	<p><b>Session 3 – <i>Equitable and Universal ICT service</i></b></p> <p><i>This session intends to support members in exchanging the recent developments and updates on maximizing the benefits of universal service funds in the areas of access and backhaul broadband networks and source of power supply in bringing telecommunications/ICTs to unserved and underserved populations</i></p> <p><i>Session Chairman : (TBD)</i></p> <p>Member Administrations (TBD);</p>
15:30 – 15:45	Coffee/Tea Break
15:45 – 17:15	<p><b>Session 4 – <i>Affordable and Sustainable Connectivity</i></b></p> <p><i>This Session invites Affiliate Members to share their activities in developing and promoting high-speed, affordable and sustainable broadband networks,</i></p>

	<p><i>taking into account that both quality fixed and mobile broadband networks are crucial in the region.</i></p> <p><i>Session Chairman : (TBD)</i></p> <ul style="list-style-type: none"> <li>• Mobile operator (TBD);</li> <li>• Facebook (TBC);</li> <li>• Community Network, ISOC (TBC)</li> </ul>
<b>Time</b>	<b>Tuesday, 12 June 2018</b>
09:00 – 10:30	<p><b>Session 5 - <i>Outcome and Achievements of the Projects via Extra Budgetary Contributions (EBCs)</i></b></p> <p><i>The session introduces the outcomes and achievements of the APT projects via extra budgetary contributions (EBCs).</i></p> <p><i>Session Chairman: (TBD)</i></p> <ul style="list-style-type: none"> <li>• Pilot Project : Academic Cloud System for the nationwide computer universities in Myanmar for ICT capacity building including countermeasures for Cybersecurity by Myanmar</li> <li>• ViPhyD : Virtual Telepathology and Radiology for Quick Diagnosis by Indonesia</li> <li>• Communication Network for Dam Safety Remote Monitoring System in Disaster Scenario by NECTEC, Thailand</li> </ul>
10:30 – 10:45	Coffee/Tea Break
10:45 – 12:15	<p><b>Session 6 – <i>Outcome and Achievements of the Projects via Extra Budgetary Contributions (EBCs)</i></b></p> <p><i>The session introduces the outcomes and achievements of the APT projects via extra budgetary contributions (EBCs).</i></p> <p><i>Session Chairman: (TBD)</i></p> <ul style="list-style-type: none"> <li>• Pilot Project for Disaster Related Information Dissemination (DID) by ICT utilization for rural areas in Lao PDR by Lao PDR</li> <li>• Uttaradit FS Pilot Test for Sustainable and Regional Cooperative Flood and Disaster Prevention System by New Sensing Solution to Contribute Complete Thailand Disaster System by Thailand</li> <li>• International Collaborative Research of Disaster Response Model using Vehicle Communication by Philippines</li> </ul>
12:30 – 14:00	Lunch Break
14:00 – 15:30	<p><b>Session 7 – <i>Outcome and Achievements of the Projects via Extra Budgetary Contributions (EBCs)</i></b></p> <p><i>The session introduces the outcomes and achievements of the APT projects via extra budgetary contributions (EBCs).</i></p> <p><i>Session Chairman : (TBD)</i></p>

	<ul style="list-style-type: none"> <li>• Implementation of GIS Integrated Asset Management System</li> <li>• Implementation of Document Management and Archival System and Digitization of Court Records</li> <li>• Community-based Disaster Informatics for Building a Resilient Nation</li> </ul>
15:30 – 15:45	Coffee/Tea Break
15:45 – 17:15	<p><b>Session 8 – Panel discussion : Sustainability of the funded projects</b></p> <p><i>Given the importance of ICT Projects which can be used for developing society and for saving lives of people, sustainability was an important factor. How each project can be sustainable after APT fund is finished is important. This session invites representative of APT Projects, Funding Agencies, and Official Development Assistant to discuss on the how to make the projects sustainable.</i></p> <p><i>Session Chairman : (TBD)</i></p> <ul style="list-style-type: none"> <li>• One of Project Coordinator/Manager of APT Project (TBD);</li> <li>• Funding organization (ADB/World Bank/JICT, etc) (TBD);</li> <li>• Official Development Assistance (ODA) Organizations (TBD)</li> </ul>
<b>Time</b>	<b>Wednesday, 13 June 2018</b>
09:00 – 10:30	<p><b>Session 9 - IoT and its applications</b></p> <p><i>This session intends to support members in exchanging and updates on policy and regulatory framework to enhance the use of ICT as enabler in high-potential sectors such as agriculture, energy, transportation.</i></p> <p><i>Session Chairman : (TBD)</i></p> <ul style="list-style-type: none"> <li>• IoT in Agriculture, Member Administration / Operator (TBD);</li> <li>• IoT in Energy, Member Administration / Operator (TBD);</li> <li>• IoT in Transportation, Member Administration / Operator (TBD)</li> </ul>
10:30 – 10:45	Coffee/Tea Break
10:45 – 12:15	<p><b>Session 10 – Start-ups and SMEs as Grass roots of ICTs</b></p> <p><i>This session invites Start-ups and SMEs which run the business in the area of ICTs and its applications to share their challenges and success stories and to discuss which policy or regulatory measures could facilitate and build up sustainable ecosystem.</i></p> <p><i>Session Chairman : (TBD)</i></p> <ul style="list-style-type: none"> <li>• Start-ups and SMEs of APT Members (TBD);</li> <li>• APT Member Administration (TBD)</li> <li>• Telecommunication Regulatory Commission of Sri Lanka (TRCSL)</li> </ul>
12:30 – 14:00	Lunch Break



14:00 – 15:30	<p><b>Session 11 – Information session on ITU-D activities</b></p> <p><i>This session facilitates the understanding of APT members on Development sector of ITU (ITU-D) and other international agencies/organizations in order to enrich up-stream and down-stream activities between the works of ITU and other international agencies/organizations and APT, in particular Study Groups of ITU-D and ADF of APT.</i></p> <p><i>Session Chairman : ITU representative or Office bearer of ITU-D SG (TBD)</i></p> <ul style="list-style-type: none"> <li>• Study questions of ITU-D Study Group, <i>Office bearer of ITU-D SG (TBD)</i>;</li> <li>• Working methods of ITU-D Study Group, ITU (TBC);</li> <li>• Case study of Study Question driven by APT members, Member Administration (TBD)</li> </ul>
15:30 – 15:45	Coffee/Tea Break
15:45 – 17:15	<p><b>Session 12 – Plenary and Closing</b></p> <ul style="list-style-type: none"> <li>• Way Forward</li> <li>• Any other matters <ul style="list-style-type: none"> <li>○ APT Ministerial Meeting</li> <li>○ Celebration of the 40th Anniversary of APT</li> </ul> </li> <li>• Closing <ul style="list-style-type: none"> <li>○ Secretary General</li> <li>○ Chairman ADF</li> </ul> </li> </ul>

## Joint APT-NIA Workshop on ICT Broadband Connectivity

### Tentative Programme

Time	Thursday, 14 June 2018
09:00 – 09:30	<p><b>Opening</b></p> <ul style="list-style-type: none"> <li>• Welcome Address – Ms. Areewan Haorangsi, Secretary General of APT</li> <li>• Welcome Remarks – Representative of NIA / Korea</li> <li>• Congratulatory Remarks – A representative of TRCSL / Sri Lanka</li> </ul> <p>(Group Photograph)</p>
09:30 - 10:30	<p><b>Session 1 – <i>Challenges in implementing National Broadband Plan</i></b></p> <p><i>Session Topics:</i></p> <ul style="list-style-type: none"> <li>• Overview of global landscape in terms of Broadband connectivity;</li> <li>• Implementation Status of national Broadband Plan and its challenges (in the case of Korea, Rep. of);</li> <li>• Lessons learnt and Recommendations</li> </ul>
10:30 – 10:45	Coffee Break
10:45 – 12:15	<p><b>Session 2 – <i>Enabling technologies for the Broadband Connectivity</i></b></p> <p><i>Session Topics:</i></p> <ul style="list-style-type: none"> <li>• Technologies to improve and facilitate seamless international broadband connectivity, such as Internet Exchange Points (IXPs), IPv6, IoT or 5G, etc.;</li> <li>• Resource management for the quality broadband connectivity including spectrum management</li> </ul>
12:15 – 14:00	Lunch Break
14:00 – 15:30	<p><b>Session 3 – <i>Sustainability of Broadband Connectivity</i></b></p> <p><i>Session Topics:</i></p> <ul style="list-style-type: none"> <li>• Financing models and Public-Private Partnerships (PPP) for the Broadband Connectivity;</li> <li>• Business models for inviting a number of stakeholders to make broadband connectivity sustain</li> </ul>
15:30 – 15:45	Coffee/Tea Break
15:45 – 16:15	<b>Wrap up and Closing</b>