DRAFT SUBMISSION OF [ORGANIZATION]
PROJECTS/ACTIVITIES/STUDIES
[Date]

Objective: This form is sent to the representative of each organization in order to prioritise activities and better align broadband connectivity gaps with solutions. All organization submissions will be consolidated as per AP-IS Pillar and subregion to develop an implementation plan for 2018 and will be presented by the Secretariat during the First Session of the Asia-Pacific Information Superhighway (AP-IS) Steering Committee, 1-2 November 2017, Dhaka, Bangladesh. A similar template is sent to ESCAP member countries to identify their planned activities.

Please complete this form and submit to ESCAP (escap-ids@un.org) by **no later than 25 October 2017.**

(a). Background Information
A non-government, not-for-profit, membership-based organization, APNIC is one of five RIRs worldwide charged with the responsible management of the critical number and addressing resources that are essential to the operation of the Internet (IPv4 and IPv6).
Serving 56 economies in the Asia Pacific, APNIC supports over 12,000 ISPs and other network operators, who together are building and maintaining the region's Internet infrastructure.
Its development focus is "capacity building" whether it be human, infrastructure or community capacity.

(i). Organization: APNIC Foundation

(ii). Organization's Focus: APNIC believes that to keep up with, to master, and to fully exploit the Internet, we need to build regional capacities in certain critical technical areas. To support this belief, APNIC has spent many years building a successful Development Program.
The APNIC Foundation
APNIC and the APNIC Foundation share a common vision of "a global, open, stable, and secure Internet that serves the entire Asia Pacific community".
Under its charter, the Foundation will "advance education, on a non-profit making basis, in technical, operational and policy matters relating to Internet infrastructure, through undertaking or funding activities in Hong Kong and elsewhere in the Asia and the Pacific region".
Incorporated in Hong Kong in September 2016, projects and activities funded by the Foundation are designed and managed by APNIC, in collaboration with funding partners interested in Internet development.

The primary focus of the APNIC Foundation is human capacity building; to advance professional development among APNIC's core community, the network operators who are building and running the Internet in our region. Along with training and education, the Foundation also supports direct technical assistance which is required in many specific circumstances.

Priority topics for this work includes: security of Internet and DNS infrastructure; the promotion and deployment of IPv6; the development of exchange points and related infrastructure, and the promotion of best operational practices.

(b). Challenges and Opportunities on promoting broadband connectivity:

Within the scope of the AP-IS four pillars

(1). Connectivity;
(2). Internet Traffic & Network Management;
(3). E-resilience; and
(4). Broadband for all,

ESCAP member countries and partners outlined seven strategic initiatives in the AP-IS Master Plan (http://www.unescap.org/sites/default/files/pre-ods/CICTSTI1_2E_rev1.pdf) to be implemented between 2016-2018 (please refer to attached chart of AP-IS 4 Pillars and AP-IS Strategic Initiatives).

The AP-IS seven strategic initiatives are as follows:

1. Identification, coordination, deployment, expansion and integration of the regional backbone networks at the cross-border intra- and interregional levels, in collaboration with member countries and subregional organizations;
2. Establish a sufficient number of Internet exchange points at the national and subregional levels and set out common principles on Internet traffic exchange to prevent Internet traffic tromboning, decrease transit costs and improve service quality
3. Regional social and economic studies;
4. Enhancing ICT infrastructure resilience in the Asia-Pacific region;
5. Policy and regulations for leveraging existing infrastructure, technology and inclusive broadband initiatives;
6. Capacity-building; and
7. Asia-Pacific information superhighway project funding mechanism based on public-private partnerships

(c). AP-IS 7 Strategic Initiatives Implementation Plan 2016-2018: priority challenges and proposed activities

Activity/Project/Study	Description
In order to match your organization's current and planned activities with country's/sub-region's/region's priorities within the scope of the AP-IS seven strategic initiatives, please complete the matrix below accordingly. Please add a row as deemed necessary.	
Description of the Activity/Project/Study (existing or planned)	(i) **Training** The aim of APNIC's technical training is to improve the knowledge and expertise of Internet professionals, ensuring they adopt and use best current practices in such areas as IXPs. IPv6, routing etc. This helps them make full and efficient use of their Internet resources and effectively apply new technologies and techniques to their networks. To support this important work, APNIC has established a Community Trainer program. Community Trainers are subject matter experts who work closely with the APNIC in-house training team to contribute awareness of local operational issues and facilitate interactive discussion among participants during trainings and workshops. **(ii) Technical Assistance** APNIC's Technical Assistance supports the region's Internet community in the deployment and maintenance of scalable and resilient networks using internationally-recognized, best current practices. APNIC works with recognized Internet specialists to provide customized technical mentoring on core APNIC competencies and services; improve the technical understanding of Internet technologies in practical ways; and provide technical support for the deployment of root servers and IXPs. (iii) **Security** Internet security is a fundamental concern for all businesses, governments and Internet users. It is also an increasing burden on Internet companies and network engineers. The key challenge is one of expertise: to recognise that cybersecurity starts with the engineers who are building and operating the Internet's infrastructure. A critical component of the security of the Internet ecosystem is Computer Emergency Response Teams (CERTs). APNIC supports CERT development and training in the region, and specific CERT projects in certain countries. (iv) **Infrastructure** APNIC supports and sponsors the deployment of important infrastructure such as Internet Exchange Points (IXPs), DNS root servers, and devices used to monitor and measure the Internet and its traffic. Starting in 2000, APNIC installed the first new DNS root server installations in the Asia Pacific. To ensure the efficient operation of this vital infrastructure, APNIC also provides technical training and assistance in the installation and management of IXPs with a particular focus on communities in developing nations. (v) **Fellowships** Every year, APNIC provides fellowships to members of the Asia Pacific Internet community to attend technical training and conferences, to engage and learn from recognized international experts. The APNIC fellowship program places special

	emphasis on supporting diversity in the community, ensuring the participation of women, young people and those from less developed economies.
	APNIC and the Asia Pacific Internet Association co-organise the annual Asia Pacific Regional Internet Conference on Operational Technologies (APRICOT). Along with a second annual APNIC conference, these are the region's two most important Internet engineering events, both run on a neutral non-profit basis.
	(vi) Community Development
	APNIC also actively supports the Asia Pacific's growing community of Network Operator Groups (NOGs), Peering Forums and professional technical organisations and events. Many of these are voluntary groups that play a key role in the operation of the Internet, by facilitating training and information exchange among local technical communities.
	In addition to sponsoring these events, APNIC provides technical presentations and training to ensure they become established as important, recognised activities at the national and sub-regional levels.
	(vii) Internet governance
	The multi-stakeholder community that helps manage and govern the Internet globally is a fundamental part of its success. APNIC works with, and supports, partners around the region to provide training in Internet governance to ensure the careful coordination of its addressing resources and domain names. APNIC support efforts by the Internet community to maintain a close dialogue with government agencies and regulators, and for them to participate actively in the development of the community's policies.
	(viii) Grants and Awards
	APNIC manages a successful grants and awards program called the Information Society Innovation Fund (ISIF Asia) that supports national and regional projects that use the Internet to achieve social and economic development in the region. An established and respected program that has supported numerous important initiatives, ISIF Asia has invested in Internet infrastructure and services that are affordable and efficient, innovative Internet applications that are successful and sustainable models for the provision of Internet services.
	(ix) Research
	APNIC undertakes world-class, research and development initiatives looking at routing, security, DNS, IPv6, policy and IP addressing issues. This research is designed to inform APNIC's operational and policy activities and to assist community members to better understand the operation of the global Internet.
	It also helps the APNIC community to better understand and identify technical problems and suggest possible solutions and strategies.
Link of the activity/project/study to	Strategic Initiative 2 – IXPs: Activities i (training), ii (technical assistance), and iv (infrastructure)
	Strategic Initiative 3 – Social and economic studies: Activity ix (research)

the AP-IS Strategic Initiatives (1-7)	Strategic initiative 4 - Enhancing ICT infrastructure resilience: Activities ii (technical assistance), iv (infrastructure), viii (Grants and Awards) Strategic initiative 5 - 5. Policy and regulations for leveraging existing infrastructure: Activities vii (Internet governance) Strategic Initiative 6 – Capacity building: Activities i (training), ii (technical assistance), iii (security) vii (Internet governance)
Link of the activity/project/study to the AP-IS Pillars (1-4)	(1). Connectivity; Activities i (training), ii (technical assistance), and iv (infrastructure) (2). Internet Traffic & Network Management; Activities i (training), ii (technical assistance), iv (infrastructure), ix (research) (3). E-resilience; Activities viii (grants and Awards)
Beneficiary Organizations/Countries of the Activity/Project/Study	1) ISP and commercial networks in the 56 economies of the Asia Pacific region 2) Relevant government networks 3) National research and extension networks (NRENs)
Outcome of the Activity/Project/Study for Beneficiaries	(i) More secure Internet (ii) More stable Internet (iii) More resilient Internet
Timeframe of the activity/project/study	On-going, continuing

(iv). Any other suggestions/issues:

(i)   [List any suggestions]

Based on and supporting the on-going development activities of APNIC, the APNIC Foundation seeks to develop specific projects with clear outcomes and results with interested partners.