

**First Session of the Asia-Pacific Information Superhighway Steering Committee, 1-2 November 2017, Dhaka, Bangladesh.**

**DRAFT SUBMISSION OF KIRIBATI**  
**Broadband Priorities for the Asia-Pacific Information Superhighway Master Plan**  
[23.10.17]

**Objective:** This form is sent to the representative of each country in order to prioritise activities and better align broadband connectivity gaps with solutions. All country 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 partners to identify their planned activities.

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

**(a). Background Information**

**(i). Government Ministry/Organization in charge of ICT connectivity:** Ministry of Information, Communication, Transport & Tourism Development (MICTTD) / ICT Department

**(ii). National Broadband Policy:** No particular Broadband Policy, however the **National ICT Policy** has a Broadband component

**(iii). Completed/Current/planned fibre-optic broadband project:** [Status, capacity of cable, countries involved, funding mechanism and partners]

Submarine Cable Project	TARAWA ISLAND (Capital)	KIRITIMATI ISLAND
<b>Status</b>	<ul style="list-style-type: none"> <li>Planned</li> <li>To expand to the outer islands later.</li> <li>Funding approved in May 2017</li> <li>Establishment of new SOE to operate this project is in progress awaiting Cabinet's decision</li> <li>Discussions on technical design of cable are still ongoing between KI (Kiribati), FSM and Nauru</li> <li>TA is working on MOU with FSM and Nauru</li> <li>Site survey been carried out by Lands Department</li> <li>Frequency interference tests been run by CCK but more tests are required</li> </ul>	<ul style="list-style-type: none"> <li>Planned</li> <li>Marine survey been completed</li> <li>Environment and Social Impact Assessment has been carried out</li> <li>Currently reviewing Capacity Use Agreement</li> <li>Cable Landing Station plot had been reserved</li> </ul>
<b>Cable Capacity</b>	100Gbps (estimated 10Gbps per operator)	

<b>Countries Involved</b>	FSM & Nauru	
<b>Funding Mechanism</b>	Grant of US\$57m of which \$20m is share of Kiribati Govt.	US\$20m Grant, yet there's a \$7m shortfall anticipated the ADB is working on.
<b>Partners</b>	World Bank	ADB

**(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](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:

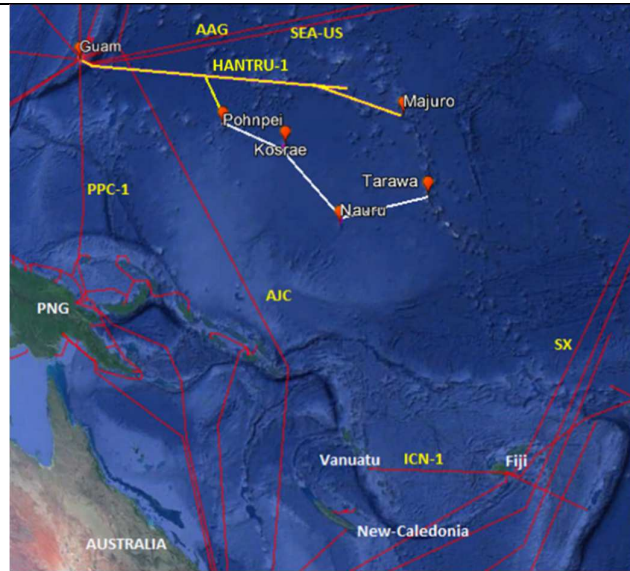
1. Identification, coordination, deployment, expansion and integration of the regional backbone networks at the cross-border intra- and interregional levels, in collaboration with member countries and subregional organizations;
2. Establish a sufficient number of Internet exchange points at the national 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**

In order to match country's sub-region's and 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.

Priority Challenges	Focus Area	AP-IS Strategic Initiatives (1-7)	AP-IS Pillars (1-4)	Remarks
<b>Priority Challenges:</b>	(i) Limited technical capacity on developing cyber security regulation. (ii) Lack of infrastructure to support roll out of mobile and internet services on all outer islands (rural area). (iii) Limited internet capacity/speed to the majority of the population (iv) Limited Staff Capacity (v) Inefficiency in public service delivery (vi) Lack of Government Datacentre (vii) Improving Government network on the Capital	(i) AP-IS Strategic Initiative 7: (ii) AP-IS Strategic Initiative 5 (iii) AS-IS Strategic Initiative 2 (iv) AS-IS Strategic Initiative 6 (v) (vi) (vii)	(i) AP-IS Pillar 2: Internet Traffic & Network Management. (ii) AP-IS Pillar 1 (iii) AP-IS Pillar 2 (iv) All AP-IS Pillars	
<b>Opportunities</b>	(i) Improve telecommunication infrastructure and connectivity on all outer islands (ii) Improve internet capacity/speed to the majority of the population (iii) Improve accountability, transparency and efficiency in public service delivery through the use of ICT			

<p><b>Proposed solutions/actions</b></p>	<ul style="list-style-type: none"> <li>(i) Increase mobile subscription</li> <li>(ii) Increase of internet penetration (access to internet)</li> <li>(iii) Enhance national gateway bandwidth capacity</li> <li>(iv) Increase number of islands with access to submarine cable bandwidth</li> <li>(v) Increase number of Government Ministries and Offices connected to Government Wide Area Network</li> <li>(vi) Increase number of online services available to public</li> <li>(vii) Backup Communication System for Disaster Recovery</li> </ul>	
<p><b>(d). Update to terrestrial/submarine fibre-optic cable projects: Based on the ESCAP/ITU interactive transmission map (access via link: <a href="http://www.unescap.org/our-work/ict-disaster-risk-reduction/asia-pacific-information-superhighway/asia-pacific-information-superhighway-maps">http://www.unescap.org/our-work/ict-disaster-risk-reduction/asia-pacific-information-superhighway/asia-pacific-information-superhighway-maps</a> ), please check and list down if there is any recent fibre-optic cable project completed/planned for your country, which is not reflected in the interactive map. The input provided below will be used to update the interactive map accordingly.</b></p> <ul style="list-style-type: none"> <li>(i) [For example, terrestrial/submarine cable project X, connecting country A and country B, location(s) (city) of landing station(s) in all countries involved , estimated cost USDX million, if not completed, indicate estimated date of completion].</li> </ul>		



(e). Any other suggestions/issues:

- (i) [List any additional suggestions].