

Bali Statement of the Asia-Pacific Ministers on Strengthening Regional Collaboration towards a Broadband Economy in the Asia Pacific

PLAN OF ACTION

Policy Objective A:	
Widen broadband connectivity	
Key strategies	Actions & Targets
1. Establish effective policy and regulatory frameworks that would stimulate synergies in investment and competition in the development of broadband infrastructure, and in the delivery of services within and across borders.	<p>1.1 Member countries to review existing policy, regulatory and legal frameworks and market structure to ensure that the environment is conducive for investment.</p> <p>1.2 APT to establish a 'pool' of experts in consultation with other organizations and member countries to provide assistance to review and implement necessary changes to the ICT regulatory framework.</p> <p>1.3 Member countries to encourage, as appropriate, foreign or national investment in broadband infrastructure that could support national broadband policies. APT to provide consultative assistance in accelerating the ability of member countries to do so.</p>
2. Ensure that broadband networks and services are reasonably available with the greatest practical national coverage and use.	<p>2.1 Member countries to set their broadband penetration targets and to give priority in the development of domestic broadband backbone to populated areas.</p> <p>2.2 Member countries may consider, where appropriate, the inclusion of broadband services in universal service policies if there is difficulty in attracting commercial investment to improve broadband connectivity.</p>

<p>3. Ensure that provisions are made for people with special needs so that they can use broadband services to improve their quality of life.</p>	<p>3.1 Member countries to review and fulfill the requirement of people with special needs for broadband services.</p> <p>3.2 APT to exchange information on the provision of broadband technology and services for people with special needs.</p>
<p>4. Provide community facilities for those who cannot afford individual service.</p>	<p>4.1 Member countries to encourage and support Small and Medium Enterprises (SMEs) and communities to establish sustainable community facilities.</p> <p>4.2 Member countries may encourage commercial or non-commercial solutions through the private sector to enable the provision of community facilities.</p> <p>4.3 Member countries to provide incentives in areas where such facilities are not commercially feasible.</p> <p>4.4 APT to assist member countries implement such facilities through its ICT Pilot Project program.</p> <p>4.5 Member countries to share experiences in the establishment and management of community facilities.</p>
<p>5. Promote the use of broadband services and increase awareness and knowledge to use ICT for the betterment of lives.</p>	<p>5.1 Member countries to facilitate and promote the use of ICT broadband services in society and particularly in schools.</p> <p>5.2 Member countries to integrate ICT literacy and skills in the schools' curricula.</p>
<p>6. Take better advantage of wireless technologies to speed up delivery of broadband services, especially where fixed line services are not available.</p>	<p>6.1 APT to continue to run programs regarding wireless technology trends and future services to assist member countries to keep up-to-date with the latest technology.</p> <p>6.2 Member countries to select appropriate wireless technologies.</p>

7. Collaborate regionally to promote the establishment of affordable and reliable international broadband connectivity where appropriate.	7.1 Member countries to promote the benefits of reliable and affordable international broadband connectivity to their citizens 7.2 APT to facilitate the proposals for appropriate resolutions at appropriate fora to address affordable and reliable international broadband connectivity
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Policy Objective B: Provide a secure, safe and sustainable environment through ICT initiatives	
Key strategies	Actions & Targets
1. Enhance our regional collaborative efforts in combating cybercrimes, enhancing cyber-security and protecting intellectual property rights, digital identities, personal data and the privacy of individuals online.	1.1 Member countries are encouraged to join the Seoul-Melbourne multilateral memorandum of understanding on cooperation in countering spam. 1.2 Through the APT programs, member countries to share the knowledge, experience, and expertise on cyber security. 1.3 APT to coordinate assistance, where appropriate, to member countries in establishing Computer Emergency Response Teams (CERTs) to share expertise and possibly arrange for exchange of experts within the region. 1.4 Member countries and the APT to promote greater awareness of the issue of e-security through: <ul style="list-style-type: none"> - Developing best practice guidelines for e-security awareness raising - Collaborating on developing ISP codes of practice - Sharing information on e-security awareness activities.

<p>2. Provide special measures for the protection of children in cyberspace and provide them with a safe environment for education and enhancement of their creativity through ICT.</p>	<p>2.1 Member countries to consider joining the global effort in protecting children in cyberspace (internet).</p> <p>2.2 Member countries to provide a safer and more secure internet environment for children and to take measures to prevent the use of cyberspace (internet) which leads to child abuse and child trafficking.</p> <p>2.3 Member countries to promote cooperation between government authorities and other stakeholders to enable the apprehension of perpetrators who seek to use cyberspace (internet) to exploit children and to close off the avenues used by perpetrators.</p> <p>2.4 Member countries to prevent the exposure of children to inappropriate material in cyberspace (internet).</p> <p>2.5 Member countries in collaboration with APT to share the experiences and best practice techniques in combating child exploitation.</p>
<p>3. Make collaborative efforts in the region to manage harmful waste and to improve energy efficiency in the ICT industry.</p>	<p>3.1 Member countries to provide incentives to programs that promote the use of recycled ICT equipment.</p> <p>3.2 Member countries to reduce the adverse environmental impact of the ICT sector by:</p> <ul style="list-style-type: none"> - encouraging policy makers and regulatory authorities to collaborate and consult with ICT manufacturers and/or suppliers in the development of regional mandatory impact and performance requirements - promoting an investment in green ICT technologies to reduce the sector's impact on the environment - sharing experiences that encourage and promote the establishment of [e-waste] management initiatives and policies.

<p>4. Encourage the governments and private sector to harness the full potential of ICT in tackling global challenges related to improving energy efficiency and addressing climate change.</p>	<p>4.1 Member countries are encouraged to use ICT to address environmental challenges.</p> <p>4.2 Member countries to work in conjunction with relevant international bodies to promote and strengthen initiatives taken in the area.</p>
<p>5. Enhance national and regional efforts in improving the infrastructure and use of ICT for public safety and disaster management including disaster preparedness, relief and recovery efforts.</p>	<p>5.1 Member countries are encouraged to use broadband to enhance the dissemination of disaster warnings.</p> <p>5.2 Member countries to strengthen disaster preparedness and effective use of broadband infrastructure in disaster communications at national and regional levels.</p> <p>5.3 Member countries to consider the development of national emergency ICT plans.</p> <p>5.4 APT to establish ties with national and regional disaster management agencies in strengthening member countries disaster preparedness, relief and recovery efforts.</p> <p>5.5 APT to disseminate the information and assist in human resource development on disaster mitigation, preparedness, management and communication.</p>
<p>6. Enhance regional and country level efforts to improve intellectual property rights and patents for research and development (R&D) and for the products of our countries.</p>	<p>6.1 Member countries to provide guidance and support to the ICT industry in protecting intellectual property rights including patents.</p>

Policy Objective C:	
Facilitate effective convergence of services	
Key strategies	Actions & Targets
1. Encourage development and adoption of common standards in the region for deployment of broadband technologies and convergent platforms for multiple services and maintaining acceptable quality of service.	<p>1.1 Member countries to encourage and put additional effort into the timely implementation of the Internet protocol (IPv6) in related sectors.</p> <p>1.2 Member countries to encourage ICT service providers to migrate to convergent platform.</p> <p>1.3 Member countries to attain competitive interconnection tariff regime.</p> <p>1.4 Member countries to increase Quality of Service (QoS)/ Quality of Experience (QoE) of IP-based Platform to a regionally agreed standard.</p> <p>1.5 APT to encourage member countries to cooperate and share knowledge among APT members.</p>
2. Review licensing schemes wherever necessary to facilitate full benefits of the converged technologies and services to the service providers, operators and end users.	<p>2.1 Member countries are encouraged to establish regulator that adapts the convergence of telecom, IT and broadcasting, where appropriate.</p> <p>2.2 Member countries to encourage implementation of licensing scheme that is technology neutral and convergent where appropriate.</p>
3. Collaborate regionally where possible to harmonize the radio frequency bands allocated for broadband ICT application and services.	<p>3.1 Regional participation on a collaborative basis in activities related to the development of new standards for radiocommunication system especially in the ITU-R.</p> <p>3.2 Member countries to encourage frequency sharing studies in radio wave use.</p> <p>3.3 Member countries are encouraged to use the APT Frequency Information System (AFIS).</p>

<p>4. Facilitate advancement and adaptation of ICT broadband technologies in the region through regional collaboration.</p>	<p>4.1 Member countries to cooperate on best practices.</p> <p>4.2 APT to facilitate regional studies on Infrastructure sharing. (for example; spur the rollout of the network, optimum utilization of national resources and improve economic efficiency)</p> <p>4.3 Member countries are encouraged to facilitate international backbone to connect APT Member countries.</p> <p>4.4 APT to assist in collecting and disseminating best practice information regarding submarine cable protection and fault remediation.</p> <p>4.5 Member countries are encouraged to facilitate the setting of regional internet exchanges.</p>
<p>5. Collaborate regionally to promote lower international mobile roaming charges where appropriate</p>	<p>5.1 Promote cooperation among regulators to align and reduce international mobile roaming tariffs and costs where appropriate.</p> <p>5.2 Member countries to consider expanding the scope of roaming to include mobile broadband services.</p>

<p>Policy Objective D:</p>	
<p>Encourage development of content and applications</p>	
<p>Key strategies</p>	<p>Actions & Targets</p>
<p>1. Encourage policies that support the sharing of research information, promote innovation, entrepreneurship and business transformation.</p>	<p>1.1 APT to consider providing means and ways to facilitate regional collaboration of this strategy.</p>

<p>2. Encourage our governments and other public services to enhance their integration with the ICT broadband system in providing easy to use, transparent, and quality services to our citizens.</p>	<p>2.1 Member countries are encouraged to promote the implementation of e-government and e-applications such as e-learning, e-medicine and e-agriculture to facilitate deployment of broadband infrastructure in all member countries.</p> <p>2.2 APT to consider organizing workshops on e-government and e-applications where appropriate.</p>
<p>3. Encourage development of content in the local languages to help preserve culture and to serve as an accessible medium for the use of the people at community level.</p>	<p>3.1 Member countries to provide initiative in developing local content which contains knowledge useful to improve the quality of life.</p>
<p>4. Provide incentives to businesses, particularly SMEs and individuals, to develop applications and to provide appropriate mechanisms for sharing revenue for the use of their application and content.</p>	<p>4.1 APT to organize programs for sharing information on the experiences and good practices.</p>
<p>5. Encourage use of regional content and applications for widening the scope and extent of the regional market and to take the best advantages of regional needs and strengths.</p>	<p>5.1 Member countries to facilitate cooperation to promote and enhance affordable regional access to good content where appropriate.</p> <p>5.2 Member countries to facilitate the business sector to link and synergize the regional cooperation where appropriate.</p>
<p>6. Encourage content and application sharing among member countries in a non-commercial scheme for non-commercial use.</p>	<p>6.1 Members countries to share contents and applications for public benefits.</p> <p>6.2 APT to consider providing means and ways to facilitate regional collaboration of this strategy.</p>

Policy Objective E:	
Develop human resources capacity	
Key strategies	Actions & Targets
1. Collaborate among member countries to identify and to develop training programs and facilities for the special skills that are needed for the broadband economy.	1.1 With the support of APT members, the APT HRD Program to provide special skills that are needed for the Broadband economy.
2. Encourage development of specialized training programs to meet the needs of the region and increase availability of such programs by providing online training facilities.	2.1 APT to identify members who have specific areas of expertise and willing to share with members. 2.2 APT to study and implement on-line training program.
3. Encourage our experts and ICT professionals to be available for regional needs and coordinate through APT to establish a 'pool' of accredited ICT professionals for the service of the Asia-Pacific region.	3.1 Member countries to provide the information of the experts for the use of APT Secretariat programs.
4. Support collaborative research and development works in the field of ICT and its applications, and that are conducted jointly within the region, for sharing information and for transferring knowledge to build research and development capability of personnel in the region.	4.1 Member countries to support APT's joint research programs. 4.2 Member countries to identify joint research program to meet the needs of the member countries.

