
ITU-D Regional Development Forum for the Asia Pacific Region

An overview of ITU-D Sector: Asia-Pacific Regional Initiatives and Activities

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ITU/BDT**



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Agenda

- ITU Vision and Membership
- ITU Developmental Activities
- ICT Status in Asia Pacific
- ITU Programs and Regional Initiatives
- ITU Asia Pacific Events and Activities
- Conclusions



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ITU Vision and Membership



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ITU Overview

- **Founded in 1865**
- **Leading UN Special Agency for ICTs**
- **HQ in Switzerland; 5 Regional Offices & 7 Area Offices**
- **191 Member States: including all APEC Economies**
- **700 Sector Members**
- **ITU has three Sectors:**
 - **ITU-Radiocommunication**
 - **ITU-T (Standardization)**
 - **ITU-Development**
- **ITU TELECOM Events**

ITU presence in the Asia-Pacific



- **Regional Office for Asia and the Pacific in Bangkok &**
- **Area Office for South East Asia in Jakarta.**
- **38 Member States**
- **63 Sector Members**



ITU Vision & Strategic Focus

Vision: By connecting the world and fulfilling everyone's fundamental right to communicate, we strive to make the world a better and safer place.

Strategic Focus

- Accessibility
- Confronting the financial crisis
- Climate Change and the ITU/ICT
- Cybersecurity, Spam and Cybercrime
- Connecting the unconnected by 2015
- Saving lives
- The networks of the future: NGN and Global Standards Initiative

Meet Goals for

- MDG
- WSIS

ITU Initiatives

Emergency Communication

Connect the World

Global Cybersecurity Agenda

Capacity Building

Enabling Environment

Climate Change



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ITU State Members: Asia-Pacific Region



Asia-Pacific Regional/Area Offices Member States

LDCs (13)

- Afghanistan
- Bangladesh
- Bhutan
- Cambodia
- Kiribati
- Samoa
- Solomon Is.
- Tuvalu
- Vanuatu
- Maldives
- Lao, PDR
- Nepal
- Myanmar

SIDSs (12)

- Fiji
- Marshall Islands
- Micronesia
- Nauru
- Tonga

Low Income States (10)

- PNG
- D.P.R. Korea
- India
- Indonesia
- Mongolia
- Pakistan
- Philippines
- Sri Lanka
- Vietnam
- [Timor Leste]

The Rest (9)

- Australia
- China/Hong Kong
- Iran
- Japan
- Malaysia
- New Zealand
- R.O. Korea
- Singapore
- Thailand



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ITU Developmental Activities

ITU Global Development Agenda (2007-2010)

Six Operational Programmes

- Programme 1: Regulatory reform
- Programme 2: Information and communication infrastructure and technology development
- Programme 3: E-strategies and ICT applications
- Programme 4: Economics & financing, including costs and tariffs
- Programme 5: Human Capacity Building
- Programme 6: Least developed countries (LDC) and Small Islands Developing States (SIDS), and emergency telecommunications

Special Initiatives

Gender, Children and Youth, Indigenous people and communities, Persons with disabilities, Communities living in Remote/Underserved areas

Asia-Pacific Regional Initiatives

Through
PPP

Delivery Mechanisms

Seminars &
Workshops

Country Specific
Actions

Human Capacity
Building:
Trainings /
Fellowships

Deployment for
Infrastructure

Proposed ITU Global Development Agenda (2011-2014)

Proposals made at the ITU Asia-Pacific Regional Preparatory Meeting
for WTDC-2010
At Kuala Lumpur, May 5-7 2009

Global Development Programmes

1. Programme 1: Information & Communication Infrastructure
2. Programme 2: Cybersecurity & ICT Applications
3. Programme 3: Enabling Environment
4. Programme 4: Capacity Building & Other Initiatives

Asia-Pacific Regional Initiatives

1. Unique ICT Needs of LDCs, SIDSs, & Landlocked Countries
2. Emergency Communication
3. Digital Broadcasting
4. Broadband Access & Adoption in Urban & Rural Areas
5. Telecom/ICT Policy & Regulation in Asia-Pacific Region



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ICT Status in Asia Pacific



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Asia and the Pacific has become a world leader in ICTs ...

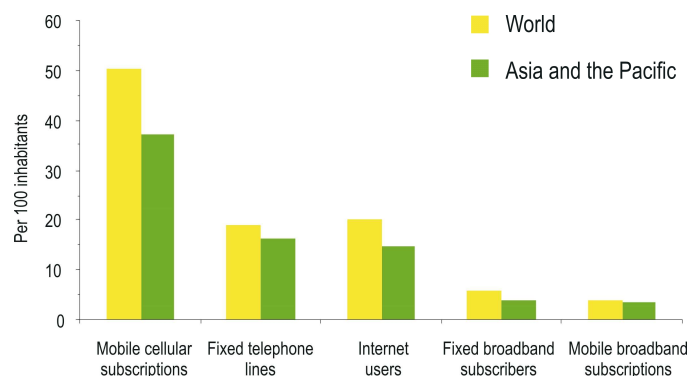
- 42 percent of the world's mobile cellular subscriptions
- 47 percent of the world's fixed telephone lines
- 39 percent of the world's Internet users
- 36 percent of the world's fixed broadband subscribers
- 42 percent of the world's mobile broadband subscriptions



By the end of 2007

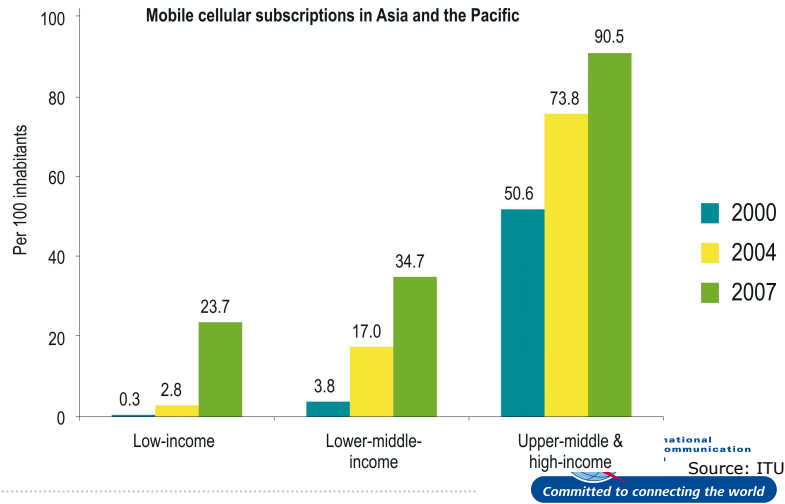
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... but ICT penetration in Asia and the Pacific is lower than in the world (2007)



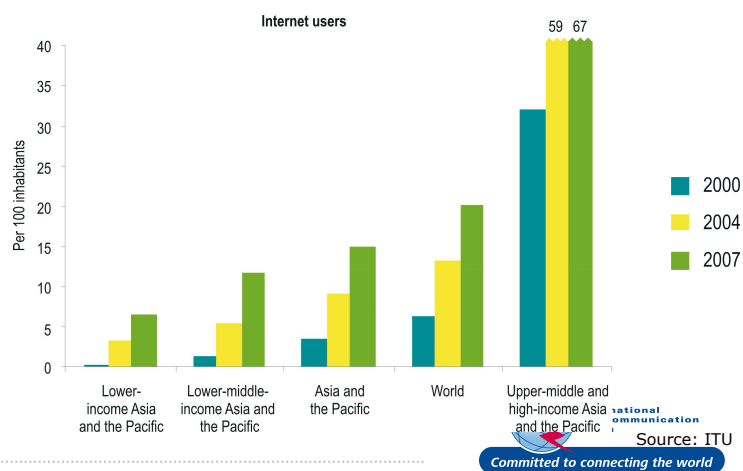
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Mobile cellular penetration inequalities persist according to income levels



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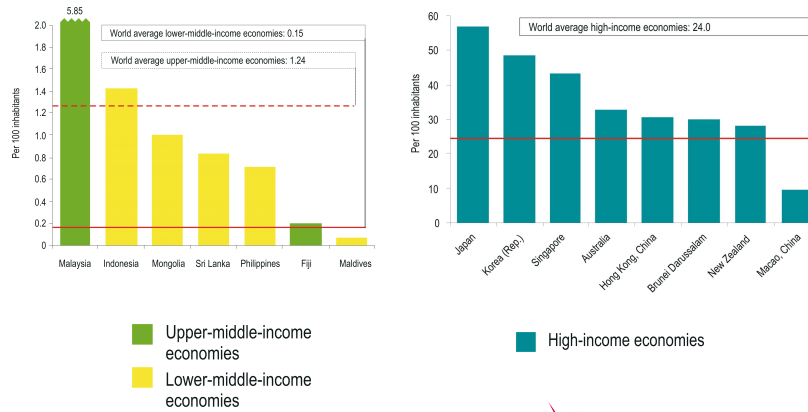
Major differences in Internet user penetration according to income levels



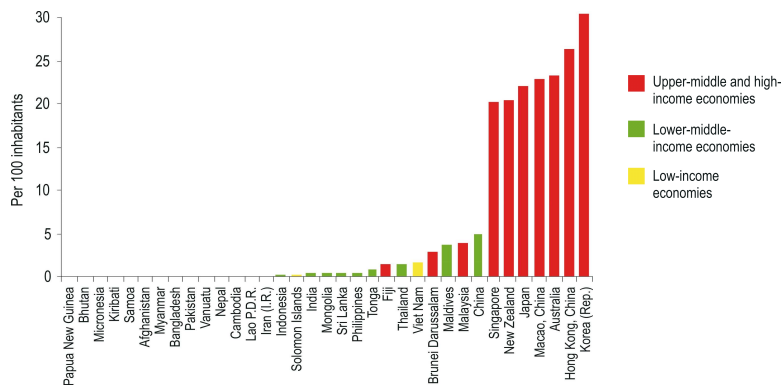
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High mobile broadband penetration in several economies in Asia and the Pacific

Mobile broadband subscriptions, 2007



Broadband divide in Asia and the Pacific: fixed broadband access



ITU Programs & Regional Initiatives

Asia-Pacific Regional Initiatives I (2007-2010)



Resolution 17
Annex 3



ASP Regional Initiative 1

Telecommunication/ICT policy and regulatory cooperation in the Asia-Pacific region

ASP Regional Initiative 2

Rural Communications - Infrastructure development

ASP Regional Initiative 3

Next Generation Networks (NGN) planning

ASP Regional Initiative 4

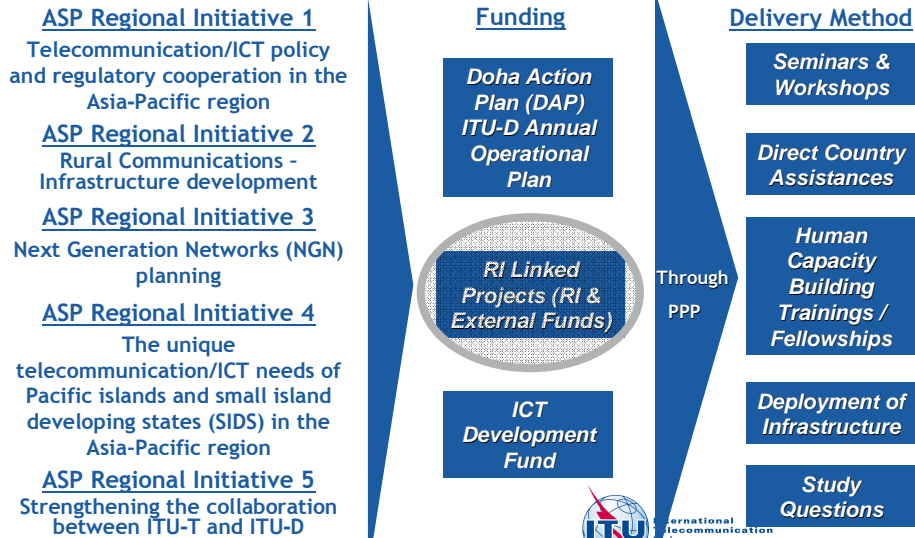
The unique telecommunication/ICT needs of Pacific islands and small island developing states (SIDS) in the Asia-Pacific region

ASP Regional Initiative 5

Strengthening the collaboration between ITU-T and



Asia-Pacific Regional Initiatives II (2007-2010)



ASP Regional Initiatives : At a Glance

- RI is an effective tool to serve for intended purposes defined by WTDC-06 in Resolution 17 (Rev. Doha, 2006)
- After adoption of the Resolution 17, BDT developed 16 projects for Asia-Pacific region
- Implementation of the RIs in the Asia-Pacific region has been at a commendable level:
 - USD 5.2 million mobilized for ASP RI projects (Dec 2008)
 - USD 1 million raised to support the RIs (Feb2009)
- Provision of external support from Member States, Regulators and Industries through PPP effectively enabled project implementation

ASP RI 1 Related Projects (Ongoing/Completed)

- Telecom/ICT Governance in the Asia-Pacific Region
- Policy and Regulatory Assistance in Asia and the Pacific
- Sub-regional Telecom. Meeting for CLMV
- Support for the establishment of harmonized policies for the ICT Market in the ACP Spectrum Management & Related Issues (2)
- Exec. Training Programme on Enabling Frameworks for Telecommunication /ICT Development (2008-2009)



Australian Government
Department of Broadband,
Communications and the Digital Economy



National Telecommunications
Commission (NTC), Thailand



Infocomm Development Authority of
Singapore



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ASP RI 2 Related Projects (Ongoing)

- Rural / Outer Island Communications in the Pacific
- Universal Service Obligations in Thailand and Asia-Pacific
- Rural ICT Policy Advocacy, Capacity Building and Knowledge Sharing for Asia-Pacific Region



Asian Development Bank



Servei de Telecomunicacions
d'Andorra



National Telecommunications
Commission (NTC), Thailand



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ASP RI 3 Related Projects (Completed)

- ITU TCI NGN Workshop on New Technologies and Applications: 14-18 June 2009, Iran
- NGN Access Network Planning (June 2009)
 - Case Study of TOT, Thailand
 - Guidelines for NGN Access Network Planning



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ASP RI 4 Related Projects (Ongoing/Completed)

- ASP ICT Policies and addressing unique ICT needs of the Pacific Island Countries
- Telecom/ICT Governance in the Asia-Pacific Region
- Policy and Regulatory Assistance in Asia and the Pacific
- Support for the establishment of harmonized policies for the ICT Market in the ACP



Australian Government
Department of Broadband,
Communications and the Digital Economy



European Commission



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ASP RI 5 Related Projects (Completed)

- Two Regional Trainings on Bridging the Standardization Gap (MIC Japan, 2007 and 2008)
- ITU Regional Development Forum on Bridging the Standardization Gap (VietNam, 2008)



MIC

Ministry of Internal Affairs and Communications, Japan



Ministry of Information and Communications, VietNam



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ASP RI Related Projects 2009 + Planned

- NTC Training Programme (ASP RI 1)
- ACMA Training (ASP RI 1)
- Executive Training Programme on Enabling Frameworks for ICT Development and Workshop on Policy and Regulation for Newly Established Regulators (ASP RI 1)
- Universal Service Obligations (ASP RI 2)
- Rural ICT Policy Advocacy, Capacity Building and Knowledge Sharing for Asia-Pacific Region(ASP RI 2)
- Workshop on New Technology and Applications (ASP RI 3)
- NGN Access Network Planning: A Case Study of TOT's Network (ASP RI 3)
- ASP ICT Development (ASP RI 1 & 4)

RI FUNDS

110,875USD

TOTAL

1'634'070 USD



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ASP Non RI Related Projects

1. Five Projects in Asia Pacific
 - Reconstruction of telecom infrastructure & early warning system (
 - Rehabilitation of the ICTI in Afghanistan
 - Afghanistan ICTI (3rd phase)
 - Iran Licensing 3rd Mobile Operator
 - CoE ASP
2. Nine Global Projects including Asia Pacific
3. Unfunded Projects: Issued Call for Partners

ICT-DF
469,500 USD

TOTAL
7'261'692 USD

TOTAL
4'000'000 USD



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ITU Asia-Pacific Events & Activities (2009 & 2010)



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ITU Asia-Pacific: Major Events (2009)

EVENTS	DATE	VENUE
Pacific ICT Ministerial Forum: Connecting the Unconnected	17-20 Feb	Tonga
NGN Workshop	7-10 Apr	Sri Lanka
ITU Asia-Pacific Regional Meeting (RPM) for World Telecommunication Development Conference 2010	5-7 May	Malaysia
ICT Measurement Issues, Challenges and Way Forward	12-14 May	India
ITU-AIBD Regional Seminar on Terrestrial Television Broadcasting	14-16 Jun	Singapore
ITU Workshop on New Technologies and Applications	14-18 Jun	Iran
ITU Regional Development Forum (RDF) for Asia-Pacific	27-29 Jul	Indonesia
ITU/IDA Executive Training Programme for Enabling ICT Frameworks	3-7 Aug	Singapore
ITU-ABU Regional Workshop on Digital Radio Implementation for Developing Broadcasters	4-7 Aug	Malaysia
ITU-ASEAN Mobile Commerce Forum	10-14 Aug	Indonesia
ITU-ESCAP Workshop on ICT Accessibility for People with Disabilities	25-27 Aug	Thailand
ITU-MCIT Regional Cybersecurity Forum for the Asia-Pacific	23-25 Sep	India
ITU Workshop on Spectrum Monitoring Techniques	Nov	China PRC
ITU-ACMA International Regulatory Training Programme	30 Nov – 4 Dec	Australia
Workshop on Telecommunication/ICT Policy and Regulations for Newly Established Regulators	8-10 Dec	Vietnam
Subregional Telecommunication Ministerial Forum for CLMV Countries	11 Dec	Vietnam
ITU Regional Forum on Human Capacity Development in Asia-Pacific Region	14-17 Dec	Brunei

<http://www.itu.int/ITU-D/asp/CMS/index.asp>

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ITU Asia-Pacific: Country-Specific Actions (2009)

Country Specific Actions	Beneficiary
Spectrum Management	Brunei
Development of ICT Applications for Rural Areas	Nepal
Establishment of the PacificCERT	Pacific
Costing Model for ICT Facilities and Services	Bhutan
Assistance in Policy and Regulation to ANPT	Lao PDR
Establishment of National Internet Exchange of Afghanistan (AIX)	Afghanistan
MIS and Statistical Tools	Bangladesh
NGN Access Network Planning: A Case Study of TOT's Network	Thailand
Study of Determination of Significant Market Power	Bangladesh
Study on Technology & Options for Connectivity	Maldives
Spectrum Management and Policy	Cambodia
Frequency Monitoring	Timor Leste
Spectrum Management	Papua New Guinea
NGN Policy & Regulation	Mongolia
Telecom/ICT Policy Advice	Samoa
Training Facilities in DPR Korea	DPR Korea

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ITU Asia-Pacific CoE Programs (2009)



PUSAN NATIONAL UNIVERSITY



Trainings	Dates (2009)	Node	Fees (USD)	Location
Broadband Technologies for Rural ICT Development	21 Jan - 26 Feb	UUM	Free	Online
NGN Planning and Migration	2-5 March	PNU	300	PNU, Pusan
Fundamentals of M-Wi-Max/ WiBro Technologies (2 editions)	22 June - 31 July 13 July - 21 Aug	PNU	Free	Online
Spectrum Management and National Frequency Allocations Table (3 editions)	4 July - 7 Aug 1 Aug - 11 Sep 14 Sep - 24 Oct	MICT, I.R. Iran	Free	Online
Network Cost Modeling for Pacific Islands Countries	20 - 24 July	ITU/PITA	Free	Auckland
Strategic HR Management	1 Sept - 9 Oct	MICT Thailand	Free	Online
4G Mobile (IMT Advanced) System and applications	7-10 Sept	PNU	400	PNU, Pusan
Spectrum Pricing for IMT Services	29 Sept - 2 Oct	MICT, I.R. Iran	400	TCI, Esfahan
QoS Parameters for CMT Service	Oct	PTA	Free	Online
Universal Service & Access and Rural Broadband	12 -15 Oct 2	UUM/NTC	Free	Bangkok
ICT Statistics on Households and Individuals	19-23 Oct	MICT Thailand	400	ToT Academy, Bangkok
Interconnection & Cost Modeling	10 Nov - 13 Nov	PTA/ MICT Thailand	Free	ToT Academy, Bangkok
Interconnection & Cost Modeling	23 Nov - 25 Dec	PTA	Free	Online
Efficient Utilization of Spectrum for Cellular Mobile	28 Nov - 1 Dec	MICT, I.R. Iran	400	TCI, Esfahan
Best Practices of Collective Rural ICT Initiatives	1- 4 Dec	UUM	400	UUM, Keddah

ITU Asia Pacific Centre of Excellence, please visit <http://www.itu.int/ITU-D/asp/CMS/index.asp>



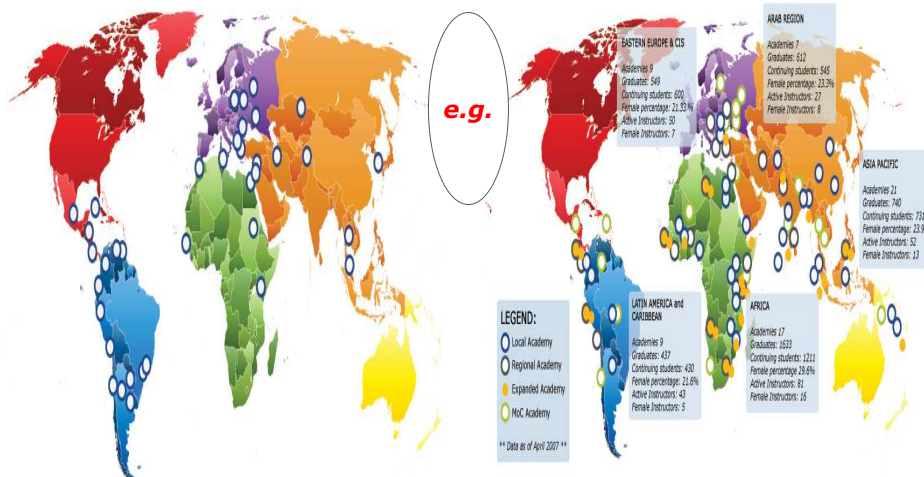
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ITU Academy

ITU Centres of Excellence

Internet Training Centres



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ITU Asia-Pacific Major Events planned: (2010)

Meetings & Trainings Proposed
ITU-AIBD Asia Media Summit: China
ITU World Telecommunication Development Conference-2010: India
ITU-ABU Workshop on Digital Broadcasting
ITU Regional Seminar on Cybersecurity
ITU Global Human Capacity Development Forum [R.O.Korea]
Online Protection for Women and Children
ITU-ACMA International Regulatory Training: Australia
ITU-R WP5D on IMT Advanced (4 th Generation): Vietnam
.... More with partnership with other agencies

In addition to above there would be about 15 Training Courses under ITU Asia Pacific Centre of Excellence Network.

For updated information on ITU Activities in Asia Pacific Region, please visit <http://www.itu.int/ITU-D/asp/CMS/index>



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ITU Country Specific Actions I planned: (2010)

Direct Country Assistance	Beneficiary
Numbering Plan	Cambodia, Tonga, Solomon Islands
Assistance on Establishment of TRA	Vietnam
Universal Service Obligation	Tonga
Assistance in Telecom/ICT Regulations	Solomon Islands
Pilot project on broadband over power lines	Bhutan
Broadband Infrastructure Master Plan	DPR Korea
IPTV Services	Nepal
Spectrum Management	Nepal, Tonga, Solomon Islands
E-Government Network and Applications	Vanuatu, F.S. Micronesia, Solomon Islands
Cybersecurity Legislation	Thailand
Capacity Building in ICT	Afghanistan, Myanmar, Maldives
National ICT Strategic Plan	Lao PDR
Disaster Mitigation e.g. Tsunami alert system	Tonga
Conducive and Enabling ICT Legal Framework	
Rural Internet Connectivity Systems (RICS)	



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ITU Country Specific Actions II planned: (2010)

Direct Country Assistance	Beneficiary
Establishment and Maintenance of ICT Indicators Database	Philippines
ICT Policy Roadmap for Persons with Disabilities	Thailand
Rural Communication Development (2009-2010)	Cambodia, Mongolia, India, the Philippines, P.R. China, Rep. of Korea, Sri Lanka
Universal Service Obligation (2009-2010)	Thailand
NGN Planning and Migration	Sri Lanka India
Quality of Service of telecom networks	Bangladesh
Unified Licensing Framework	Bangladesh
Pacific CERT	Pacific
Pacific Regional Resource Centre	



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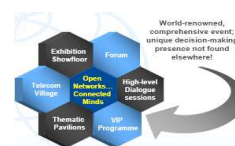
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ITU TELECOM WORLD 2009



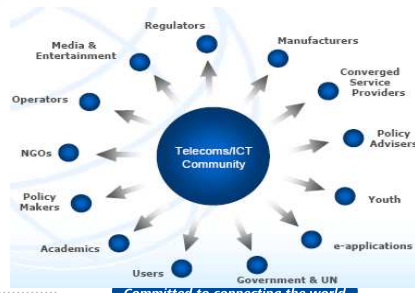
Open Networks...
Connected Minds

What? Comprehensive Event for the ICT Community
Where? Geneva, Switzerland
When? 5 to 9 October, 2009
Why? Develop & profit through interaction with the ICT industry globally
How? Participate in a variety of ways to influence all stakeholders



World-renowned, comprehensive event; unique decision-making presence not found elsewhere!

EXPECTED ATTENDANCE AT World 2009	
EXHIBITORS	700 from 40 countries including 25 Pavilions
TRADE VISITORS	35,000-45,000 from some 140 countries
VIPS	1,000 from 150 countries (including Ministers/ Ministerial Representatives, Regulators, Ambassadors, Directors General, CEOs/ CEO representatives and others.)
MEDIA	1,000 journalists from 50 countries
FORUM	3,000 from 90 countries including: 400-450 Speakers from 70 to 75 countries, 2,500 Delegates from 90 countries



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www.itu.int/world2009

Conclusions

- ITU Global programs and regional initiatives have contributed significantly towards achieving the goal of Information Society
- Challenges still remain for which ITU invites cooperation and partnership in the following:
 - **Connectivity with accessibility & affordability;**
 - Technology Transfer for **NGN Planning & Services;**
 - **Telecom/ICT Applications** e-governance, e-health, e-education etc;
 - Assistance in the area of **Policy & Regulation;**
 - **Emergency & Disaster Communications;**
 - Special initiatives on **disable people and youth & children**
- Human Capacity Building
 - Partnership in/through the ITU Asia-Pacific Centre of Excellence Project
- Your active participation is the key for migration from Information Society to Knowledge Based Society



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Thank You

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