

ITU Workshop on “Bridging the Standardization Gap”

(Vientiane, Lao People’s Democratic Republic, 30-31 July 2012)

TTA’s Activities on Bridging Standardization Gap

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Contents

- Who is TTA?
- Observations?
- Experiences of TTA
- Future Plan



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Telecom. Technology Association

- a W-class organization for ICT Technologies
 - Planning and setting ICT standards
 - Testing and certifying ICT products



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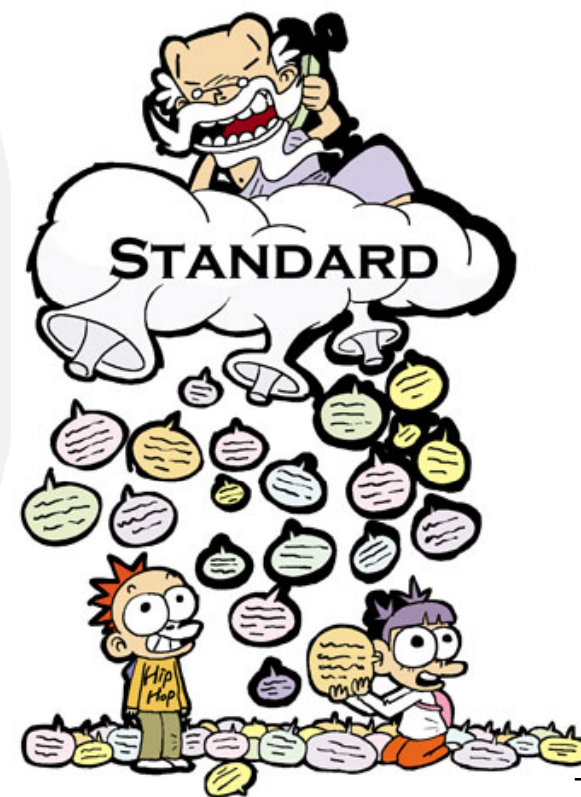


Insufficiencies

- Developing countries insufficient with:
 - ◆ Government Policy;
 - ◆ Government R&D budget;
 - ◆ Personnel in government and/or SDOs;
 - ◆ Standardization expert; and
 - ◆ Industry participation, etc.
- ◆ in short, low level of recognition of its importance

Mandatory Standard vs. Voluntary Standard

- No need for voluntary standard or no distinction
 - ◆ Mandatory standards (Technical Regulation) regulate the market
 - ◆ Need to consider the agreement of WTO/TBT and the era of liberalization of telecom. market
: **Technology Neutrality**



Training or Consultation

- Recognizing needs for training programs on:
 - ◆ Adopting international standards into national standards
 - Which international standards should be chosen
 - Which elements need to keep vs. which elements need to be modified
 - Relationship between technical regulation and standards
 - Any other considerations
 - ◆ Participating international standard meetings;
 - General introduction of ITU, APT, ETSI, IEEE, etc.
 - Their working methods
 - Way to acquire information at SDOs' websites
 - Way to draft and present contribution
 - Way to convene a meeting, etc.

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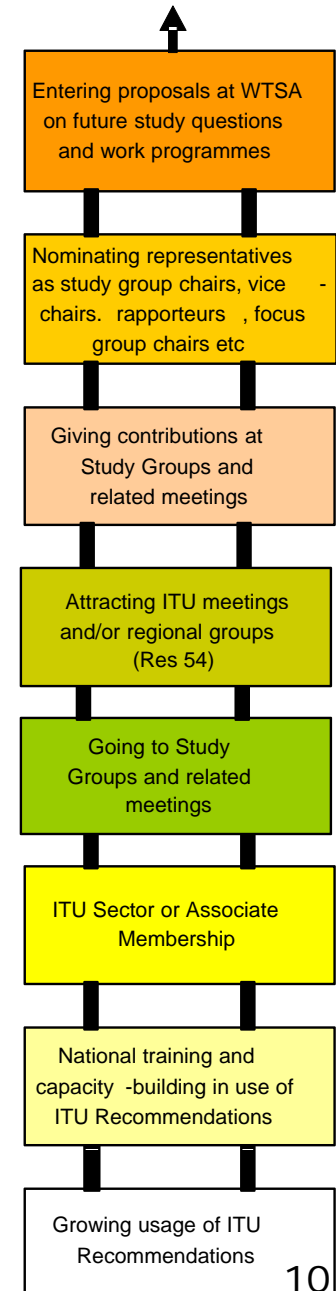
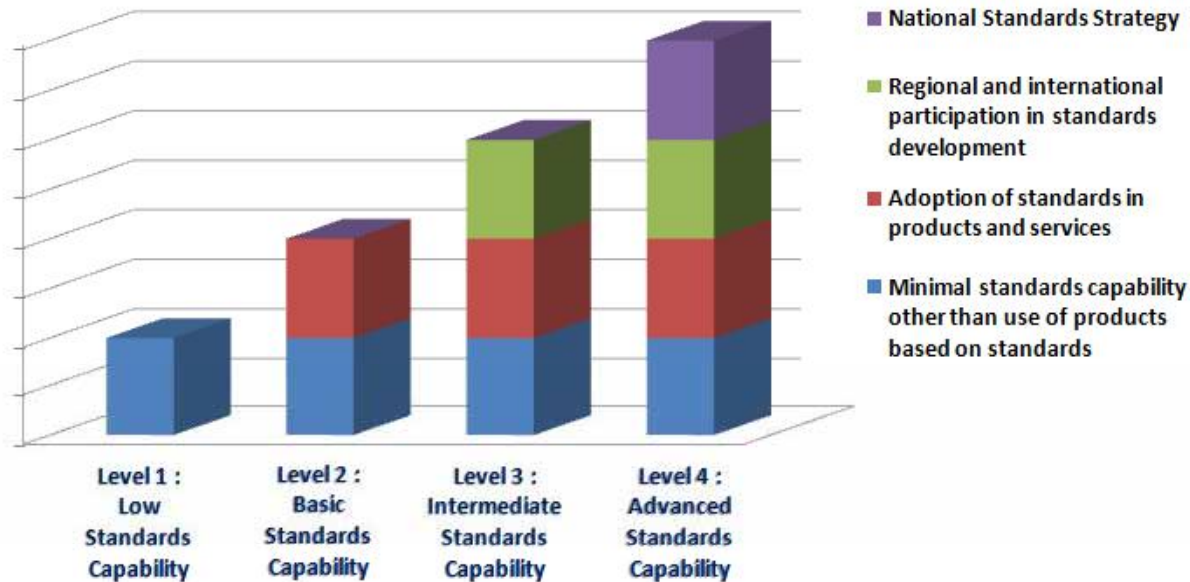
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ITU Initiatives::1

- Measuring standardization gap
 - Standardization Development Ladder
 - Standards Capability Index (w/ TTA)
 - Tools for Assessing Standards Capability

Four Levels of National Standards Capability



ITU Initiatives::2

- Case study and Best practices
- Standardization W/S & Tutorial
 - (e.g.) ITU-T Workshop on Bridging Standardization Gap and Interactive Session in AP countries
 - organized by ITU and TTA
 - supported by Korean Communication Commission (KCC)



Vientiane, Lao People's Democratic Republic, 30-31 July 2012



ITU Workshop on Bridging the Standardization Gap & Interactive Training Session

Cyberjaya, Malaysia
29 June - 1 July 2010



Measurement Tool-SCI ::1

■ Background

- Standardization Ladder developed by TSB is intuitive, but needs further examinations, in particular, activities at national level
- If we could measure and quantify standardization capability, we could understand where the gap comes from

■ Objective

- Identifying components involving in standardization activities
- Indexing standardization capabilities

Measurement Tool-SCI ::2

■ Components

- ◆ Legislation and Policy;
- ◆ Standardization System;
- ◆ Research and Development (R&D);
- ◆ Human Resources;
- ◆ International Standardization Activities;
- ◆ ICT Infrastructure.



Consultation Program::1

■ Background

- ◆ Countries in Asia-Pacific region face difficulties in procedural and technical expertise in ICT standardization
- ◆ Consultancy project is recognized as an important action plan by ITU WTSA Resolution 44 & ITU PP Resolution 123

■ Objective

- ◆ Enriching standardization capabilities in terms of procedures and technology

Consultation Program::2

■ Consultation Procedure

- Step 1: **Select a beneficiary country** (1 per year)
- Step 2: **Identify requirements**
- Step 3: **Setup task force groups** (both parties)
- Step 4: **Conduct consultation**
(2-4 times, depending on requirements)
- Step 5: **Spot visit** (to Rep. of Korea)
- Step 6: **Final Report**

■ Composition of Task Force Group

- **Procedural topics** : mainly TTA staff (about 5-10 experts)
- **Technical topics** : TTA members
(about 5-10 experts)

Consultation Program::3

- Topics for **Procedural Consultation**
 - ✦ Legislation framework of ICT standardization
 - ✦ Diagnosis on current standard setting process, and suggestions
 - ✦ Suggestions for topics for R&SD
 - ✦ Relationship between mandatory and voluntary standard
 - ✦ Guide for setting up standard developing body
 - ✦ Corresponding system to international standardization activities, like ITU, APT, etc.
- * All the above topics include case studies of various foreign countries*

Consultation Program::4

- Topics for **Technical Consultation**
- Year 2008 : NGN in General

Topics	Sub items
ITU-T NGN and Applications	NGN Architecture and Framework
	Standardization Trend for NGN Application Service (IPTV, VoIP, MoIP)
IMS	Introduction to IMS (IP Multimedia Subsystem)
NGN Standardization and Field Trial	NGN Standardization Roadmap
	NGN Service Field Trial

Consultation Program::5

- Topics for **Technical Consultation**
- ◆ Year 2009 : Business Experiences and Considerations for implementation

Topics	Sub items
Mobile Comm.	Technology Roadmap of Mobile Communication
	Business Experiences for Deployment of Mobile Comm.
IPTV	Standardization Roadmap of (mobile) IPTV : Global trends, Standardization Items, Government policy direction, etc
	Implementation of IPTV Content Delivery network and NG-CD Technology
NGN	Standardization Roadmap of NGN : Global trends, Standardization Items, Government policy direction, etc
	Considerations for Implementation of NGN
	An Experience for Development of NGN Application Services in Korea

Consultation Program::6

- Topics for **Technical Collaboration**
- ◆ Year 2010 : Business Experiences and Considerations for implementation

Topics	Sub items
Mobile Comm.	Business experiences in implementation of WiMax : Service Providers' perspectives
	Business experiences in implementation of WiMax : Vendors' perspectives
Digital Broadcasting	Implementation of Digital Terrestrial Television System Software Upgrade Standard and 3D technology in Korea
	Business experiences in implementation of Mobile TV and SDMB
IPTV	Business experiences in implementation of IPTV
	Implementation of IPTV Content Delivery network and NG-CD Technology

Consultation Program::6

- Topics for **Technical Collaboration**
- ◆ Year 2011 : Business Experiences and Considerations for implementation

Topics	Sub items
	Conformance assessment activities in Korea
Emergency Comm.	Emergency Communication and Disaster Management
Broadband Technology	NGN Deployment and Its Consideration
	Broadband Applications including VoIP
Mobile Comm.	4G Technologies and spectrum issues
	Mobile Wimax service experience
	LTE and Network Evolution

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Future Plan

- Procedural Consultation
 - spot visit (to Korea)
 - develop final report
- Continue to provide consultation program to AP country
- Collaboration program with AfDB (Africa Development Bank)
 - ICT training program
 - ICT expert dispatch program



Thank you !

Contact information

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