

ITU-T Workshop on Bridging the Standardization Gap and Interactive Training Session

(Cyberjaya, Malaysia, 29 June – 1 July 2010)

TTA's Activities on Bridging Standardization Gap

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Contents

- What has TTA been doing?
- What has TTA observed?
- What will TTA be doing?



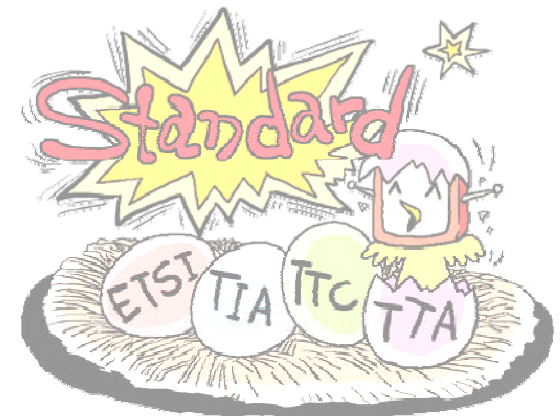
Part I

■ What has TTA been doing?

- ➔ A Consultation Programme on ICT Standardization for Developing Countries and domestic SMEs
- ➔ A Measurement Tool for Standard Capabilities of Developing Countries

■ What has TTA observed?

■ What will TTA be doing?



Consultation Program::1

■ Background

- Countries in Asia-Pacific region face difficulties in procedural and technical expertise in ICT standardization
- SMEs in Korea also need to be assisted
- Consultation programme on ICT standardization is recognized as an important action by Resolution 44 of WTSA

■ Objective

- Enriching standardization capabilities in terms of procedures and technology

Consultation Program::2

■ Consultation Procedure (*overseas*)

- ◆ 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**
(2-5 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 10 experts)
- ◆ **Technical topics** : TTA member companies
(about 10-15 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 setting 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

➤ Year 2008 : NGN in Detail

- Business Experiences for Deploying IPTV, M.Wimax, SoIP
- Considerations for IMS Implementation and Deployment
- Considerations for deployment of NGN Application & Service

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::7

■ Assistance to Domestic SMEs

- In collaboration with Korean Government, in particular, Small & Medium Business Administration
- TTA has been providing technical assistance on:
 - adopting and implementing standard;
 - advising technology selection
- To do this, TTA operates a designated pool with consulting capability from R&D institutions, Academia, Industries, etc.

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

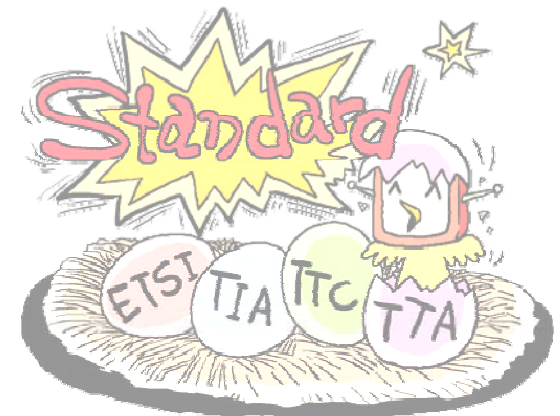
■ Components

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



Part II

- What has TTA been doing?
- **What has TTA observed?**
 - Insufficient resources
 - Mandatory vs. Voluntary Standard
 - Need for training programmes
- What will TTA be doing?



Insufficiencies

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

People are the major component

- 4Ps – Essential components for Govern. policy & SDO strategies



- A basic formula
 - **Standardization = Technology + People**
 - Making people meet together is the key



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**

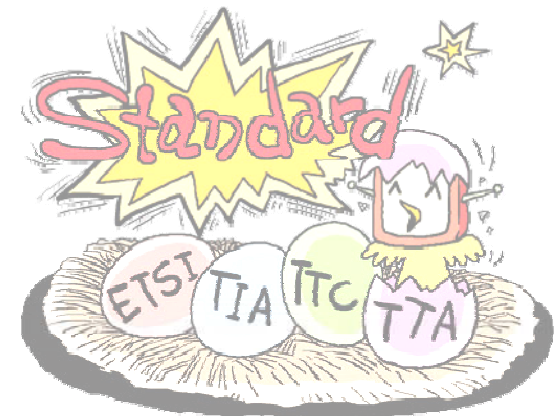


Training Programme

- Recognizing needs for training programs on:
 - 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.
 - Adopting international standards into national standards
 - Which elements need to keep vs. which elements need to be modified
 - Relationship between technical regulation and standards
 - Any other considerations

Part III

- What has TTA been doing?
- What has TTA observed?
- **What will TTA be doing?**



Future Directions

- Finalizing SCI (Standard Capability Index) with ITU-T
- Enriching consultation topics, in particular testing and certification framework
- Expanding target region
- Providing training program together with ITU-T

Thank you !

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