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How to Bridge Standardization Gap

Jongbong Park,
Director, TTA

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Rationale

- PP Resolution 123 (Rev. Antalya, 2006)
 - ➔ Recognizing “the continued shortage of human resources in the standardization field in developing countries, resulting in a low level of developing country participation in ITU-T and ITU-R meeting and, consequently, in the standards-making process, leading to difficulties when interpreting ITU-T and ITU-R recommendations”

Rationale

- Resolution 44 (WTSA-04)
 - ➔ Resolving “objectives of the action plan annexed to the resolution, aimed at bridging the standardization gap between developed and developing countries, should be implemented to the extent feasible without delay”

Rationale

- Action Plan of Resolution 44 (WTSA-04)
 - Strengthening standards-making capabilities
 - Assisting ITU-D in enhancing application of standards
 - Human resource building
 - Flagship groups for bridging the gap
 - Fundraising

Rationale

- Action Plan of Resolution 44 (WTSA-04)
 - ➔ Developing guidelines to assist developing countries in their involvement in ITU-T activities
 - ➔ Conducting a certain number of consultancy projects designed to support developing countries in the development of standardization plans, strategies, policies, etc

Current Status – ITU-T

- BSG group was created in TSAG
- Conducting survey on BSG issues
- Leading ITU Regional Development Forums with a focus on bridging the standardization gap.
- Preparation of guiding documents to assist in the implementation of ITU-T Recommendations

Current Status – ITU-T

- Holding remote meetings
- BSG Fund
 - ➔ Over \$200,000 from Nokia Siemens, MS, Cisco, KCC of Korea
- Collaboration with ITU-D
- Developing methodology to measure standardization gap
 - ➔ **Concept of ICT Standardization Ladder**

Current Status – AP region

- BSG WG created in ASTAP (2007)
- Case Study on BSG proposed (2008)
 - Study on origin of the gap and the mechanism
 - Study on a method to bridge the gap with latest technologies and solutions

Issues to be solved

- Defining “Standardization Gap”
- Measuring the Standardization Gap
- Developing methodology to strengthen standardization competitiveness of developing countries based on the measurement model of standardization gap

Issues to be solved

- ICT Standardization Ladder is good approach to define and measure the standardization gap,
- But, the ladder is limited to ITU activities
- And, ITU activities could be activated by strengthening standardization capabilities of member states

Issues to be solved

■ Std Infrastructure vs. Results

Competitiveness
of the Industry
Domestic Standards

Chairmanships
Contributions
Delegations

States

ITU

Industry

Human resources

Domestic ITU Committee

INFRASTRUCTURE

Standard setting body

R & D

Std. Policy

Legislation

How to bridge the gap

- Development of measurement model of ICT standardization capability
 - Defining and analyzing input factors to standardization activities
- Development of application matrix to enhance standardization capability according to measured level

How to Bridge the Gap - Measurement Model

- Input Factors to standardization can be indicators (qualitative or quantitative) of measurement model

Ex) Policy

Legislation

Std Setting Body

Training/Education

Domestic ITU Committee

R&D Capability

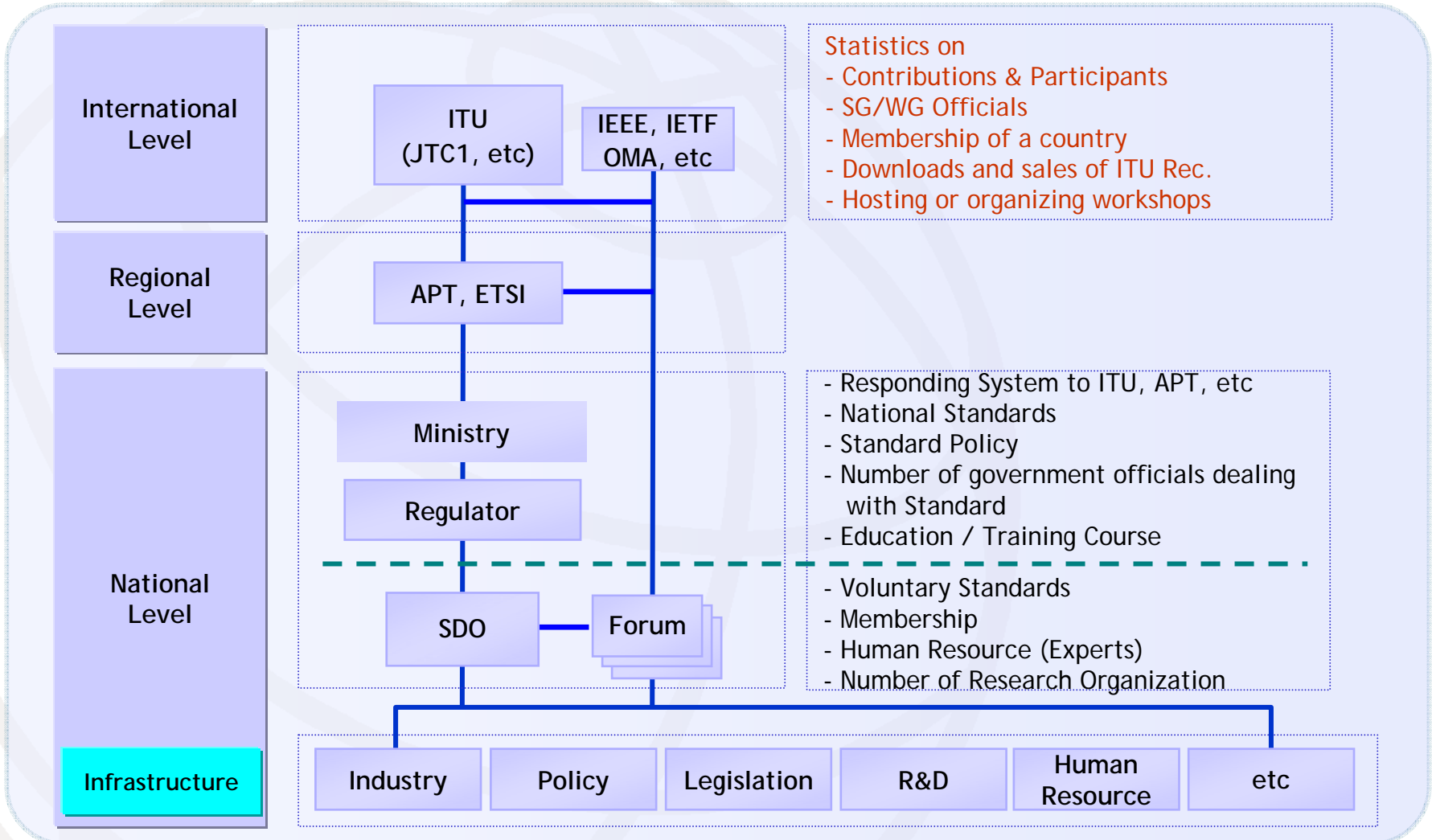
- Technology

Industry

Human Resource

Domestic Standard

How to Bridge the Gap - Measurement Model

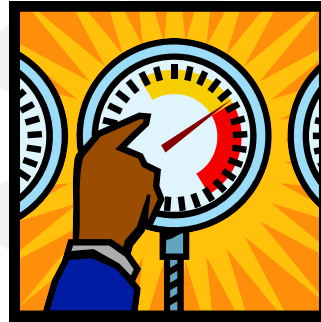


How to Bridge the Gap - Application Matrix

- Input factors to standardization can be indicators of measurement model as well as objects to be enhanced for standardization
- Development of application matrix on each areas (factors)

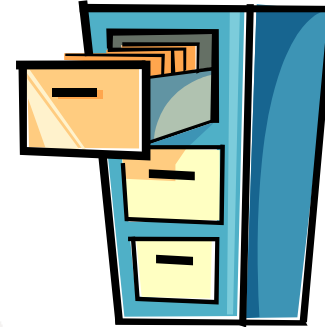
How to Bridge the Gap - Application Matrix

Measurement
&
Customization



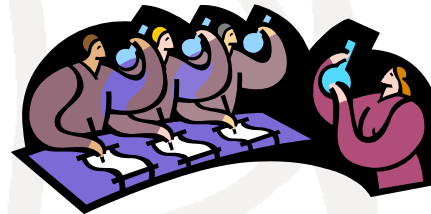
(Measurement Model)

+



(Application Matrix)

Consultation



Implementation



Reference Case - Consulting Project for ICT Standardization

- Preparation for the Project
 - Selection of a beneficiary country and drawing out requirements
- Contents of the Project
 - How to facilitate competitiveness of standardization including technical issue
- Consultation Method
 - Experts Dispatch (3 ~ 4 times)
 - Study Visit (1 ~ 2 times)

Reference Case - Consulting Project for ICT Standardization

Areas	Contents
Policy	<ul style="list-style-type: none">- Overall plan for ICT Standardization policy including R&D projects of standardization (standard development, human resource development, infrastructure, etc)- Case study of foreign countries which have unique standards even though they do not have industry basis
Legislation	<ul style="list-style-type: none">- Standardization Legislation including case studies
Standards Development	<ul style="list-style-type: none">- Methods on;<ol style="list-style-type: none">1. Introducing international standards to domestic market2. Internationalization of domestic standards

Reference Case - Consulting Project for ICT Standardization

Areas	Contents
Framework	<ul style="list-style-type: none">- Methods on;<ol style="list-style-type: none">1. Setting up a standardization developing organization2. Setting up & operating standardization committees3. Setting up or improving correspondence system to international standards organization such as ITU
Technical Workshop	<ul style="list-style-type: none">- Technical Workshop based on requirements



Thank you

Any Question?