

ITU Workshop on “Bridging the Standardization Gap”

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ICT Standardization at the International Level

Mr. Gary FISHMAN

President, Pearlfisher International

ITU-T TSAG Chairman (1996-2008)

GRYFISHMAN@AOL.COM

Introduction to Session 3: Bridging the Standardization Gap

- This Session will talk about ITU-T activities and TTA (Korea) activities for Bridging the Standardization Gap
- This Session will talk about ICT Standardization challenges in Laos
- But – what is International Standardization? What is involved? Who is involved? What is it like?

International Aspects (1)

- There might not be a natural commonality of interests or goals
 - ➔ National and regional differences
 - ➔ Marketplaces are different
 - ➔ Regulations are different
- Large-scale competition
- Cultural differences
- Everyone comes with their own language but all work in one language

International Aspects (2)

- Translation is inherently imprecise but precision is demanded
 - Sometimes lack of precision has been deliberate
- International agreements can be used to help, or hinder, trade and national/regional influence
- And, in groups such as the ITU, there may be many governments
 - Issues and procedures are adjusted accordingly

Standardization Meetings (1)

- There are many types of meetings
 - ➔ The goal of a standards meeting is to create agreements
- Requires, at the end, written words
 - ➔ Definitions become critical
 - ➔ Language becomes critical
 - ➔ Clarity is demanded

Standardization Meetings (2)

- Usually involves:
 - Travel - leave sufficient time before and after the meeting!
 - Large amount of preparatory time
 - Clear, written rules to ensure openness, transparency, due process
 - Intense meetings and long hours
 - Written reports
 - Multiple iterations between first efforts and final product

Major Sources of Standards

■ Voluntary standards

➤ Traditional Standards Development

Organizations (SDOs): ITU, ISO, IEC, IEEE, CCSA (China), TTA (Korea), TTC (Japan), ATIS (US), ETSI (Europe), ASTM (US), CEN (Europe), ...

➤ Forums and consortia: tend to be product or market-focused

■ De Facto standards (e.g., Windows)

■ Regulatory standards – tend to be from governmental organizations like ITU-R (e.g., spectrum)

International Standards Environment

- There are 100's, or depending how one counts, 1000's of standards bodies
- Many are inter-related, some overlap
- All should be based on openness, transparency and due process
- Choose where to participate, where to monitor, which to ignore; decide where to lead and where to follow

ICT Organizations with ITU-T Relationships (1)

Forum/Consortium
<u>3G Association</u>
<u>ABNT (Brazilian Association of Technical Standards)</u>
<u>ARIB (Association of Radio Industries and Businesses)</u>
<u>ASN.1 Consortium (Abstract Syntax Notation 1 Consortium)</u>
<u>ATIS (Alliance for Telecommunications Industry Solutions)</u>
<u>ATM Forum (merged into the Broadband Forum)</u>
<u>ATSC (Advanced Television Systems Committee)</u>
<u>AVS (Audio-Visual coding Standard working group)</u>
<u>Broadband Forum</u>
<u>Cablelabs (Cablelabs)</u>

Forum/Consortium
CCSA (China Communications Standards Association)
CEA (Consumer Electronics Association)
CENELEC (European Committee for Electrotechnical Standardization)
CEPCA (Consumer Electronics Powerline Communication Alliance)
CSA (Cloud Security Alliance)
DMTF (Distributed Management Task Force, Inc.)
DSL Forum (merged into the Broadband Forum)
ECMA International (European Computer Manufacturer's Association)

ICT Organizations with ITU-T Relationships (2)

Forum/Consortium
ETIS (e-and telecommunication information services)
ETSI (European Telecommunications Standards Institute)
G3 PLC Alliance (G3 PLC Alliance)
GHG PI (Greenhouse Gas Protocol Initiative)
GSM Association (Global System for Mobile Communications Association)
Home Gateway Initiative
IEEE (Institute of Electrical and Electronics Engineers)
IMTC (International Multimedia Telecommunications Consortium)
IP/MPLS Forum (merged into the Broadband Forum)
IPDR Organization (merged into the TM Forum)

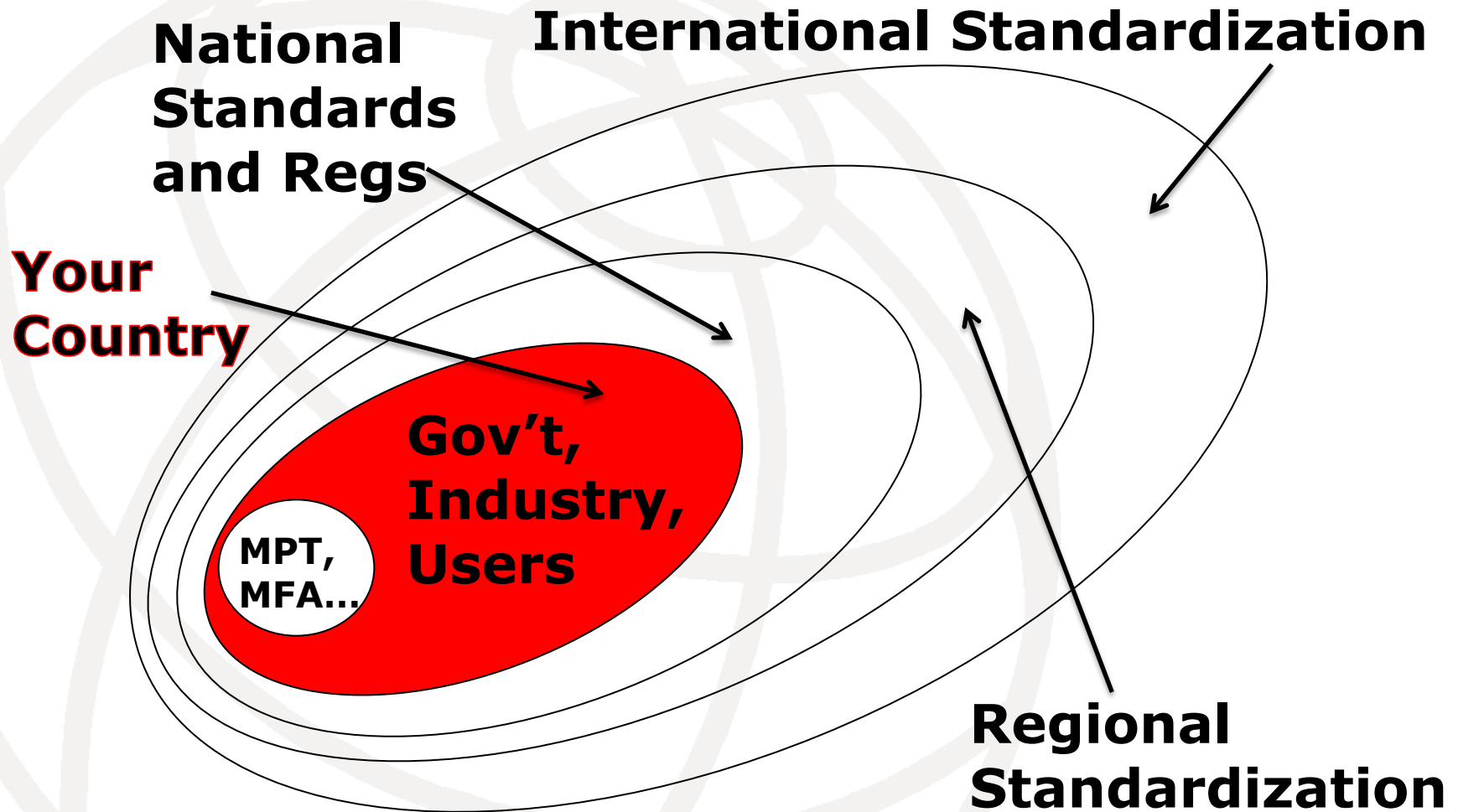
Forum/Consortium
IPsphere Forum
IPv6 Forum
ISOC/IETF (Internet Society/Internet Engineering Task Force)
JCP (JAVA Community Process)
JCTEA (Japan Cable Television Engineering Association)
JLabs (Japan Cable Laboratories)
Kantara Initiative
MEF (Metro Ethernet Forum)
MMTA (Mobile Multimedia Technology Alliance)
MSF (Multiservice Switching Forum)

ICT Organizations with ITU-T Relationships (3)

Forum/Consortium
NIST (National Institute of Standards and Technology)
NRO (Number Resource Organization)
OASIS (Advancing open standards for the information society)
OGC (Open Geospatial Consortium)
OIF (Optical Internetworking Forum)
OIPF (Open IPTV Forum)
OMA (Open Mobile Alliance)
OMG (Object Management Group)
SCTE (Society of Cable Telecommunications Engineers)
SDL Forum Society (System Design Languages/ Specification and Description Language)

Forum/Consortium
SMPTE (Society of Motion Picture and Television Engineers)
SNIA (Advancing Storage and Information Technology)
TIA (Telecommunications Industry Association)
TM Forum (TeleManagement Forum)
TTA (Telecommunications Technology Association)
TTC (Telecommunication Technology Committee)
UNICODE (The Unicode consortium)
UPA (Universal Powerline Association)
W3C (World Wide Web Consortium)

How does your country fit in this International environment?



Later in this BSG Regional Workshop we will discuss, in an interactive way

- Preparing for your role in international standardization
 - Setting up a national process (for ITU)
- Participation at the international level and how to do it well
 - Where do you want to be on The Standardization Development Ladder in 5 years? 10 years?
- Concrete steps to get started now



Thank you

Mr. Gary Fishman

PEARLFISHER INTERNATIONAL

Tel: +1 732 778-9572

Fax: +1 732 583-3051

gryfishman@aol.com