Regional Development Forum 2008
"Bridging the Standardization Gap in Developing Countries"
for the Asia-Pacific Region
Hanoi, Vietnam, 15-17(am) September 2008

ITU-T Structure: Status of Discussions

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Hanoi, Vietnam, 15-17(am) September 2008

ITU Commitment / ITU-T Strategy

WSIS "full" commitment
   Turning digital divide into
   digital opportunity

WSIS: World Summit on the Information Society endorsed by the UN
   1st phase: Geneva, Dec. 2003
   2nd phase; Tunis,   Nov 2005

ITU Secretary-Gen. two main objectives

Press release
Nov. 2006

   (1) Eliminate the digital divide
   (2) Ensure the more secure cyberspace

ITU-T strategy (PP2006)

04-07 market driven, bottom-up, competition- oriented

08-11 member-needs driven, cooperative, for "global" STDDs

History of SG restructuring discussions

(1)Mar. 2007 TSAG
   SG restructuring correspondence G established

(2)Dec. 2007 TSAG meeting

(3)April 2-4 Teleconference (using GoToMeeting)
Seven countries and 8 SG Chairs(4, 6, 11, 13, 15, 16, 19 & TSAG) attended, 15 documents submitted

(4)SGs identified desired SG structure(By May, 08)

(5)July '08 TSAG meeting WTSA inputs developed

Principles for SG Restructuring
– some key words, July 2008 TSAG Mtg.

1: Manageable size and scope of SGs

2: Clear responsibilities, efficiency, effective-ness, optimised core competence and expertise

3: Cost-effectiveness, attractiveness within/outside ITU.

4: Market needs, socio-public needs, timely fashion, toward fully connected societies,

5: Assist developing countries, enhance participation, use of e-working methods.

ITU-T Study Groups (2005-2008)

SG2   Operational aspects of service provision,,,
SG3   Tariff and accounting principles
SG4   Telecommunication management
SG5   Protection against electromagnetic environment
SG6   Outside plant and related indoor installations
SG9   Integrated BB cable networks, television/sound
SG11   Signaling requirements and protocols
SG12   Performance and quality of service
SG13   Next Generation Networks (Architecture)
SG15   Optical and other transport network infra.
SG16   Multimedia terminals, systems and applications
SG17   Security, languages and telecom software
SG19   Mobile telecommunication networks

Results of TSAG discussions forwarded to WTSA2008

Significant convergence on many points
but much to be further discussed at WTSA

SG 2
Operational aspects of service provision & performance

Provisional Agreement

Move Q.4/2 (and QSDG) to Block 12A and Move Q.5/2 (and SNO group) to Block 4X and merge expanded Block 4X and Block 2A, forming SG 2

Q.4/2   Operat'al Aspects of Telecom NW Service Quality
12A   Performance and quality of service
Q.5/2   Network and Service Operations
4X   Telecom manag'nt, including the manag'nt of NGN
2A   numbering, naming, addressing and identification

*QSDG: Quality of Service Development Group
**SNO: Service and Network Operations group

SG 3
Tariff and accounting principles including related telecom economic and policy issues

Agreement:
Maintain SG 3, including Block 3A

3A = whole SG 3

SG 4
Telecommunication management

Agreement:

Move 4Y to SG 15 (Block 15C)

Delete   Block 4Z

SG 4 will be closed.

   4Y   Test & measurement techniques and instrumentation

 15C   Transport network structure

  4Z   Service and operations

Provisional Agreement:

Move Q.5/2 and SNO* group to Block 4X

Merge expanded Block 4X & Block 2A

and place in SG 2

 Q.5/2 Network and Service Operations

 4X   Telecom management, including the management of NGN

 SG2 Operational aspects of service provision & performance

SG 5
Protection against electromagnetic environment

Agreement:
Maintain SG 5, including Block 5A

5A = whole SG5

Refinement (No agreement):
Transfer Block 6D to SG 5

6D   Copper cables & infra.: Q.C, E/6(cont. of Q.3, 5/6)
 C/6   Technical aspects of unbundling and sharing of outside   plant elements in networks
 E/6   Copper cables, networks and fibre-optic connection
          hardware for broadband access

SG 6
Outside plant and related indoor installations

No Agreement (Options):

1. Maintain SG 6, including Blocks 6A, 6B, 6C, 6D.
2. Merge Blocks 6A, 6B, 6C with SG 15.

6A   Optical physical layer
6B   Physical network planning
6C   Protection & security of other aspects of the outside plant

Refinements of the Above Options:

a. Move Block 6D to SG 15
b. Move Block 6D to SG 5.

SG 6 to merge
with SG15??

6D   Copper cables and infrastructures

SG 9

Integrated broad band cable networks, television/sound

No Agreement (Options):

1. Maintain SG 9 (currently Blocks 9A, 9B)

2. Merge SG 9 with SG 16 (+ fine tunings)

Refinements of Option 1 and Option 2
   a. Move Qs. B & M/9 to SG 12.
   b. Move Qs. A, J, L/9 to SG 15

3. Move Qs. B & M/9 to SG 12

Move Qs. part* A, J, L/9 to SG 15

Move Qs.E, G, part I, K, N, part** A/9 to SG 16

* Except source coding part   ** Source coding part

See next slide for Questions of SG9

SG 9

Integrated broad band cable networks, television/sound

Questions: not Exhaustive

A/9 Trans. of TV & sound programme signals for contribution, primary &
        secondary distribution

B/9 Measurement & control of QoS for TV trans. on cont. & dist. NWs

E/9 Functional requirements for a universal integrated receiver or set-top box
        for advanced cont. dist. services

G/9 Dig. Prog'me delivery controls for multiplexing, switching & insertion in
        compressed bit streams, possibly encapsulated in TS or IP packet

I/9   Voice & video IP appls. over cable TV NWs Revised/Merged with Q.6/9

J/9 Ext. of NW-based cont. dist. services over broad band & in Home NWs

K/9 Requirements & methods to delivery sound & TV prog'mes & other
        multimedia services over IP NWs for advanced service platforms

L/9 Trans. of m-channel analogue &/or dig. TV signals over opt. access NWs

M/9 Objective & subjective methods for evaluating perceptual audiovisual
        quality in multimedia services

N/9 Transmission of Large Screen Digital Imagery prog'mes for contribution
        & distribution purposes

SG 11
Signaling requirements and protocols

No Agreement (Options):

1. Maintain SG 11, including Block 11A.

2. Merge SG 11, SG 13 and SG 19.

SG 12
Performance and quality of service

Agreement:

Maintain SG 12, including Block 12A

Provisional Agreement:

Move Q.4/2 (and associated QSDG*) into SG 12

Q.4/2 Operational Aspects of Telecom NW Service Quality

No Agreement (Refinement):

Move Q.B, M/9 (cont. of Q.2, 14/9) to SG 12

B/9 Measure't & control of QoS for TV trans. on cont. & dist. NWs
M/9 Objective & subjective methods for evaluating perceptual
audiovisual quality in multimedia services

*QSDG: Quality of Service Development Group

SG 13
Next Generation Networks (Architecture)

Agreement:
1. Move Block 13H(Q.E/13 cont. Q.5/13)to SG15
2. Revised Q.P/13

   Q.E/13 OAM and network management for NGN
   Q.P/13 Future networks

Options (No agreement):
1. Maintain SG 13 except Block 13H
     and maintain separate SGs 11, 13, 19
2. Merge SG 13 and SG 19
3. Merge SG 11, SG 13 and SG 19

SG 15
Optical and other transport network infrastructure

Agreement:

Maintain SG 15 (Blocks: A, B1, B2, C/15)

Move Block 13H (Q.E/13: cont.Q.5/13) to SG 15

Move Block 4Y to SG 15 (Block 15C)

  4Y   Test & measurement techniques and instrumentation
  E/13 OAM and network management for NGN

No Agreement (Options):

Move Blocks 6A, 6B and 6C to SG 15

  (except 6D:Copper cables and infrastructures)

Merge with SG 6.

Move Qs. A, J, L/9 (cont. Q.1, 10, 12/9) to SG 15

  (see SG9 Option 2)

SG 16
Multimedia terminals, systems and applications

No Agreement (Options):

1. Maintain SG16(all current Blocks16A, B, C , D)

2. Merge SG 9 with SG16 (with some fine tuning)

3. Move Q.E, G, part of I, K, N, + source coding
   part of A/9 (cont. Q.5, 7, 9, 11, 15 + source-
   coding part of 1/9) to SG 16
   (See the slide for SG9 Questions)

SG 17
Security, languages and telecom software

Agreement:
Maintain SG17, including Blocks 17A, 17C, 17D

Block 17B does not exist

No Agreement (Refinement)
Move Q.F/17(cont.Q.1/17) to appropriate SG

Q.F/17 End-to-end Multicast

SG 19
Mobile telecommunication networks

No Agreement (Options):

1. Maintain SG 19, including Block 19A
   Note that 19A=whole SG19

2. Merge SG 11, SG 13 and SG 19.

3. Merge SG 13 and SG 19

New SGs proposed (1)
TSAG R27 9.2.7.1-9.2.7.1

Japan

(1) SG-Video Delivery Application for IPTV, CATV
(2) SG-Ubiquitous multimedia application
  for e.g., Accessibility, Networked ID,
  Networked Car, Sensor Network, HN,
  Multi-media system and service, Mobility.

Italy

  SG for Application of telecommunication for
  emergency telecommunication, disaster relief
  aspects and accessibility.

New SGs proposed (2)
TSAG R27 9.2.7.1-9.2.7.1

Viet Nam
A network operator-oriented approach to form
a JCA for future networks deployment.

WTSA2008 Chair person (South Africa) noted:
In keeping an open mind to new proposals,
these ideas can be kept open for further
discussion between now and WTSA-08.
At WTSA-08 we can see how work in the next
study period could be carried out using these
proposals.

SG Restructuring Contributions
WTSA2008, posted as of Sept. 11

C2-C26	Texts of Qs for SGs 2-19
C31	TSAG report including List of Qs
C40	Italy
C41	Brazil
C48	USA
C53	Korea
C54	BT plc, FT, Nokia Siemens NWs
C56	CITEL
C58	Brazil
C77	China
C82	Canada
C86	Japan

Proposed positions are largely in line with the TSAG outcomes

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Summary(1)
TSAG discussions on SG restructuring

(1)   All the SGs identified their positions by using indivisible work-area blocks

(2) Text of new questions already available (will be affected by the new SG structure)

(3) Objectives & principles of Restructuring identified

Summary(2)
TSAG discussions on SG restructuring

(4) TSAG July 08 agreed to:

Maintain   SGs 3, 5, 12, 15, 17
Terminate   SG4

(5) New SGs proposed: WTSA will see how works next study period could use these proposals

SG- Video Delivery(Cont. of SG 9)

SG- Ubiquitus Multimedia Application (Cont. of SG16)
SG- emergency telecom., disaster relief & accessibility

(6) Contributions submitted to WTSA08 posted http://www.itu.int/md/T05-WTSA08-081021-C/en

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Summary(3)
A key for APT countries to consider for SG restructuring at WTSA2008: Author's view

The author recognizes that
(1) APT countries to become the key player in the Global Telecom Market in next 4-year study period.
(2) We should implement and utilize ICT services and applications, such as e-education, e- medicine, etc., in a well-focused manner to close the digital divide.
(3) New SG structure should thus allow us to well identify and prioritize services and applications for standardization particularly from socio-public viewpoint in a user-friendly manner.
→ So, establishment of new category of service and application-oriented SGs, in addition to conventional technology-oriented SGs, could be a key for APT countries to consider for SG restructuring at WTSA08

Thank you !

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