

ITU-D Regional Development Forum for the Asia Pacific Region

**“NGN and Broadband, Opportunities and Challenges”
Yogyakarta, Indonesia, 27 – 29 July 2009**

WTSA-08 results, implementation and cooperation with ITU-D

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WTSA-08 Selected statistics

- Five regional preparatory meetings (Viet Nam, Brazil, Ghana, Uzbekistan, Syria) in association with Regional Development Forums on Bridging the Standardization Gap in collaboration with BR, BDT and Regional Offices
- Regional common proposals from five regions
- WTSA-08 adopted 49 Resolutions, 21 of them new
- WTSA-08 adopted 9 Recommendations, 2 of them new
- Total of 350 contributions
- Over 1000 attendees from 99 countries
- 13 ministers/vice-ministers
- VIPs spanning the world and the ICT industry sector

First Global Standards Symposium



- Held on 20 October 2008
- 500 participants
- Chaired by H.E. Mr Nguyen Thanh Hung,
 - Vice-Minister, MIC/Viet Nam
- High level speakers: ministers; ambassadors; heads of regulatory bodies; CTOs of multinationals; heads of major standards bodies
- Adopted nine page report which was presented next day to the first Plenary of the WTSA-08
- The conclusions addressed
 - ways to bridge the standardization gap;
 - challenges in the new standards landscape, including climate change and accessibility;
 - ways to strengthen collaboration amongst standards bodies.
- Conclusions were acted on by WTSA-08

Outcome on SG restructure

- Reduced from 13 study groups to 10
 - WTSA Committee 4 led by ASTAP Chairman, Bob Horton (Australia)
- Most study group management teams also changed, due to term limits on upper management

Outcome on Asia-Pacific leadership positions

- Chairmanships: Total of 15 chairs;
6 from Asia-Pacific (40%)
- Vice Chairmanships: Total of 81
VCs; 25 from Asia-Pacific (31%)

Asia-Pacific leadership in ITU-T 6 chairs !

Chairman	Member State	Group
Mr Ki-Shik Park	Republic of Korea	SG 3
Mr Wei Feng	China	SG 11
Mr Chae-Sub Lee	Republic of Korea	SG 13
Mr Yoichi Maeda	Japan	SG 15
Mr Yushi Naito	Japan	SG 16
Mr Byoung Nam Lee	Republic of Korea	SG 3 RG-AO

Asia-Pacific leadership in ITU-T: 25 vice chairs* !

Country	Number of Chairs	Number of VCs	Total
Republic of Korea	3	6	9
Japan	2	7	9
China	1	8	9
Iran	0	2	2
Australia	0	1	1
Indonesia	0	1	1

* See supplemental material for names

Yogyakarta, Indonesia, 27-29 July 2009

Action plan for the implementation of WTSA-08 outcomes

The following slides focus on actions to implement the outcomes, as embodied in the new and revised WTSA-08 Resolutions

WTSA-08 Resolutions

- Total of 49 new and revised Resolutions
- 37 Resolutions have action items for TSB Director
- 15 include reporting to ITU Council
- Even though Council meets in October 2009, urgency to act was recognized
- TSB developed an Action Plan on implementation of all Resolutions that was presented to TSAG
- Restructuring of TSB to provide resources for its implementation

Resolutions taking into consideration the needs of developing countries

- Standardization gap: 17, 44, 54, 56, 59, 71, 72, 74
- Internet: 64, 69, 75
- Conformance and interoperability testing: 76
- Other: 26, 29, 31, 32, 34, 35, 43, 50, 52, 53, 58, 61, 63, 68, 73

WTSA-08 Action Plan

- [WTSA-08 Action Plan](#) informs on TSB Director detailed actions to implement all 49 Resolutions
- Four items for this year's Council:
 - Conformance and interoperability (Res. 76)
 - IPv6 Internet addressing (Res. 64)
 - Reduced Sector Member fee for companies from developing countries (Res. 74)
 - New category of membership for academia (Res. 71)

WTSA-08 Action Plan

Per action, gives contact in TSB, milestones, who take action, collaboration, reporting and status

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S
1		WTSA-08 Action Plan, Version 1.0, 19 April 2009																	
2							Action by:					Collaboration with:			Report to:				
3	Res #	Title	TSB contact	Action item #	Action	Milestone	TSB	Gen Sec	MS	S M	SG	TSAG	GS	BDT	BR	Council	WTSA-12	TSAG	Status
115	64	Resolution 64 - IP address allocation and encouraging the deployment of IPv6	Yang	64-1	SG2 and SG3 to study allocation and economic aspects of IP addresses	ongoing					SG2								
116	64	Resolution 64 - IP address allocation and encouraging the deployment of IPv6	Yang	64-2	SG2 and SG3 to study allocation and economic aspects of IP addresses	ongoing					SG3								
117	64	Resolution 64 - IP address allocation and encouraging the deployment of IPv6	Yang	64-3	Director, in collaboration with BDT Director, to initiate a project to assist developing countries, responding to their regional needs as identified by BDT; will work in close collaboration with BDT ICT application and cybersecurity division. Project will be managed by BDT.	ongoing	TSB							BDT					
118	64	Resolution 64 - IP address allocation and encouraging the deployment of IPv6	Yang	64-4	TSB to develop website that provides information on global activities related to IPv6 and to training events.	01-May-09	TSB												about to be published
119	64	Resolution 64 - IP address allocation and encouraging the deployment of IPv6	Yang	64-5	Director to issue Circular 30 (27 March 2009) Questionnaire to MSs, SMs, As, on IPv6 address allocation and encouraging the deployment of IPv6; reply by 12 June 2009	27-Mar-09	TSB												Circular Letter issued
120	64	Resolution 64 - IP address allocation and encouraging the deployment of IPv6	Yang	64-6	Director, in collaboration with BDT Director, to promote awareness of importance of IPv6 deployment, facilitate training activities, and provide information to developing countries. Promotion activities will be under BDT.	ongoing	TSB							BDT					
121	64	Resolution 64 - IP address allocation and encouraging the deployment of IPv6	Yang	64-7	Director to report to Council-09 on question of IPv6 address allocation and registration for interested members and especially developing countries	15-Aug-09	TSB									C-09			Reporting to Council-09 also mentioned in TSB Circular 30 (27 March 2009).

Industry Advisory Group

- Resolution 68 and GSS proposal:
 - Meetings of high-level industry executives
 - Identify and coordinate priorities and subjects to minimize number of forums/consortia
 - Consult first with developing countries
 - Report to next WTSA on lessons learned

Council Group established

- Resolution 75 requests that Council establish a group on Internet public policy issues to be integrated within the Council WG on WSIS
- Implemented by Council-08. First meeting held 12 February 2009, second meeting held 23 June 2009
- <http://www.itu.int/council/groups/wsis/dedicatedgroup.html>

Standardization gap

(Res. 17, 44, 54, 71, 74) (1)

- Participation of developing countries in telecommunication standardization
 - Holding ITU-T meetings in the regions
 - Support establishment and operation of Regional Groups
 - Tariff and accounting, SG 3; Service provision, SG 2; EMF & climate change, SG 5; QoS, SG 12
 - Support establishment and operation of Flagship Groups
 - NNA (Egyptian IPv6 Task Force), SG 2
 - Partial fellowship for participants to all study groups

Standardization gap

(Res. 17, 44, 54, 71, 74) (2)

- Promoting standardization activities in the regions
- Developing webcasting systems
 - GoToMeeting, WebEx
- Developing handbooks, manuals or roadmaps for assisting the understanding and implementation of ITU-T Recommendations
 - Security, xDSL, Optical technology, converged networks, ...

Standardization gap (Res. 17, 44, 54, 71, 74) (3)

■ Reports to Council-09

- Director will propose that new members from developing countries can join ITU-T on level of financial contribution equal to that in ITU-D and report to PP-10 (Res. 74)
- Director will invite the ITU Council to consider the admission of academic institutions, universities and their associated research establishments in the work of ITU-T as Sector Members or Associates, at a reduced level of financial contribution, particularly academic institutions of developing countries (Res. 71)

Standardization gap

We also rely on you (Res. 56)

- Vice-chairmen of ITU-T TSAG and study groups
 - Mobilize ITU members in the region to participate in standardization activities
 - Report on mobilization and participation of the region
 - Prepare and submit mobilization programme for the region to TSAG or a study group
- Of 81 elected vice-chairmen, 25 are from Asia-Pacific (31 %)

Building confidence in use of ICT (Res. 50, 52, 58, 76) (1)

- Confidence and security are among the main pillars of the information society
- Res. 50, Cybersecurity is given a high priority in TSB and resources are assigned to support study group activities, development of awareness material (online), organization of workshops, terminology coordination, ...

Building confidence in use of ICT (Res. 50, 52, 58, 76) (2)

- Res. 52, *Countering and combating spam* is to be associated to Res. 50 with regard to TSB ongoing actions
- Res. 58, *Encourage the creation of national CIRTs, particularly for developing countries*. Study Group 17 is considering studies based on X.1056, *Security incident management guidelines for telecommunication organizations* for providing useful suggestions to the Director of TSB.

Building confidence in use of ICT (Res. 50, 52, 58, 76) (3)

- Res. 58 (continued), TSB is considering:
 - development of a questionnaire on establishment of CIRTs to identify where CIRTs are needed and best practices
 - development of a handbook
 - possible collaboration with ICANN, FIRST, and others as appropriate

Building confidence in use of ICT (Res. 50, 52, 58, 76) (4)

- Res. 76, *Studies related to conformance and interoperability testing, assistance to developing countries, and a possible future ITU mark programme*
 - Calls for increased work on conformance and interoperability
 - ITU created to ensure interoperability of international telecommunications
 - Conformity assessment important in the context of WTO standardization commitments
 - **Gives increased confidence in ICT**
 - **Assistance to developing countries to establish testing facilities**
 - **Assist the development of regional test centres**
 - Study of possible future ITU mark programme

Internet (Res. 64) (1)

- Res. 64, *IP-address allocation and encouraging the deployment of IPv6*
 - Initiate a project to assist developing countries
 - TSB Questionnaire issued on 27 March 2009
 - APNIC response published on 23 April 2009
 - NRO response published on 20 May 2009
 - Around 30 replies received so far
 - Establish a website providing information about IPv6

Internet (Res. 64) (2)

- Promote awareness about the importance of IPv6
- Study IPv6 address allocation for interested members (especially developing countries)

Internet (Res. 64) (3)

**International
Telecommunication
Union**



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IPv6

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IPv4 Exhaustion Counter

▼ Present status

Reserved blocks (IANA)

11%

30/256 blocks

Until X-day (estimation)

758 days

Num of IPv4 Address

489,337,994



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Welcome to this IPv6 Website

With the massive deployment of Internet-related resources worldwide and the integration of IP-enabled consumer devices connected directly to the network, the issue of the depletion of IPv4 (Internet Protocol, version 4) addresses is becoming pertinent. In addition to other features, IPv6 (Internet Protocol, version 6) with its 128 bit address space is aimed at addressing the current shortage of public IPv4 addresses. However, the transition from IPv4 to IPv6 is going at a rather slow rate.

During the World Telecommunication Standardization Assembly (WTSA-08, Johannesburg 2008), ITU Member States and Sector Members reached consensus and adopted [Resolution 64](#) 'IP address allocation and encouraging the deployment of IPv6' to promote awareness of the availability of IPv4 addresses and the deployment of IPv6.

The purpose of this website is to provide information about global activities related to IPv6, thus facilitating awareness-raising of IPv6 deployment, as well as providing information related to training events being undertaken by relevant entities in the Internet community, as requested by WTSA-08 Resolution 64.

What's New?

In order to collect information and structured feedback of ITU members' needs, an [ITU-TSB Questionnaire on IPv6 address allocation and encouraging the deployment of IPv6](#) was issued on 27 March 2009.

IPv6 News 

Issues ...

[NGN standards event: Sri Lanka](#)
mercredi, 18. mars 2009
ITU together with the Commonwealth Telecommunications Organisation (CTO) will hold a Forum on Next Generation Network (NGN) ...

[World Assembly heralds new era in setting global ICT standards](#)
lundi, 3. novembre 2008
The World Telecommunication Standardization Assembly (WTSA-08) drew to a close yesterday in Johannesburg, South Africa with

 [View all IPv6 News](#)

Events

Upcoming:

- ICANN 35, 21 - 26 June 2009, Sydney, Australia
- ITU Council Working Group - WSIS: Implementation of Outcomes, 22-24 June 2009, Geneva, Switzerland

[\[More...\]](#)

Conclusion

- WTSA-08 was a truly record breaking event with the highest participation and largest output ever.
- The results of WTSA put ITU in excellent shape to tackle the challenges ahead.
- TSB has put in place many mechanisms to progress the implementation of WTSA-08 Resolutions, many of them requiring close cooperation with BDT.
- Particular attention is given to those actions relevant to the needs of developing countries.
- Your collaboration is welcome to assist TSB in better addressing your priorities in the evolving ICT environment.



**Thank you for your
attention**



Supplemental slides

Yogyakarta, Indonesia, 27-29 July 2009

VCs from AP region (1)

Mr Haruo Okamura (Japan)	Japan	TSAG
Mr In-Seop Lee (Republic of Korea)	ROK	2
Ms Jie Zhang (China)	China	2
Mr Seiichi Tsugawa (Japan)	Japan	3
Mr Philip Day (Australia)	Australia	5
Mr Sung-Chul Kang (Republic of Korea)	ROK	5
Mr Li Xiao (China)	China	5
Mr Satoshi Miyaji (Japan)	Japan	9
Mr Dong Wang (China)	China	9
Mr Kaoru Kenyoshi (Japan)	Japan	11
Mr Hyeong-Ho Lee (Republic of Korea)	ROK	11
Mr Hyung-Soo Kim (Republic of Korea)	ROK	12

VCs from AP region (2)

Mr Akira Takahashi (Japan)	Japan	12
Mr Feng Qi (China)	China	12
Mr Davoud D. Gordeh (Iran)	Iran	13
Ms Duo Liu (China)	China	13
Mr Naotaka Morita (Japan)	Japan	13
Mr Sadegh A. Shahkooh (Iran)	Iran	15
Mr Shaohua Yu (China)	China	15
Mr Seong-Ho Jeong (Republic of Korea)	ROK	16
Mr Zhong Luo (China)	China	16
Mr Jianyong Chen (China)	China	17
Mr Koji Nakao (Japan)	Japan	17
Mr Heung-Youl Youm (Republic of Korea)	ROK	17
Mr Gunawan Hutagalung (Indonesia)	Indonesia	TAS

Resolutions requiring TSB action (1)

Res.	Action item for Director	Report to Council	Establish a group	report to WTSA
7	provide information to ISO and IEC; with TSAG to propose cooperation procedures with ISO and IEC			
17	provide BDT with all necessary support; cooperate with regional offices; strengthen CoCo with regional org'ns			
20	consult with relevant SGs, administrations, applicants. Follow up on misuse of NNAId resources	inform Council of misuses		
26	cooperate with BDT Director			
29	cooperate with BDT Director			
31	prepare logistics for participation of Associates			
32	Director to maintain EWM Action Plan			
38	Bring Resolution to attention of BR and BDT Directors			
43	one regional prep meeting per region before next WTSA (consult regional groups)			
44	work closely with BDT Director to implement objectives of annexed action plan and encourage formation of Partnerships as one means of financing the plan			

Resolutions requiring TSB action (2)

Res.	Action item for Director	Report to Council	Establish a group	report to WTSA
47	facilitate the Resolution	annual reporting		
48	facilitate the Resolution	annual reporting		
49	facilitate the Resolution	annual reporting		
50	prepare inventory of initiatives to promote worldwide harmonization of strategies and approaches; follow-up WSIS cybersecurity activities; cooperation with Sec-Gen cybersecurity initiative.	annual reporting		
52	assist to expedite efforts; cooperate with Sec-Gen cybersecurity initiative and BDT (Res. 45, Doha, 2006)			
53	support and advise to workshop and seminar coordination group; work closely with other Directors.		TSAG to implement WSG	
54	support creating and functioning of regional groups in collaboration with BDT Director	report to Council		
55	encourage mainstreaming gender perspective in TSB, encourage MSs and SMs and participation of women; annual review of progress and share findings with TSAG and WTSA			yes
56	work with BDT Director on support for regional mobilization for standardization; include funds identified for implementation of this resolution in the TSB budget proposal to Council; ensure ToR are known by aspiring VCs			

Resolutions requiring TSB action (3)

Res.	Action item for Director	Report to Council	Establish a group	report to WTSA
57	collaborate with other Directors and report to AGs			
58	support creation of national CIRTs; collaborate with BDT Director			
59	encourage SMs from DCs to promote participation in ITU-T			
60	facilitate work on evolution of numbering system			
62	support SG3 for its further work on this (dispute settlement)	annual reporting		
64	collaborate with BDT Director; initiate project to assist developing countries, jointly with BDT; establish website with information on IPv6 deployment; promote awareness; study IPv6 address allocation and registration	report to Council-09		
65	report on progress by SGs	possible		
66	formalize Technology Watch function in TSB; publish results.			yes
67	facilitate work of SCV; provide support and editor; collaborate with GS			
68	organize meetings of high-level executives; include needs of developing countries			yes
69	integrate and analyse information reported from MSs			
70	review accessibility of ITU-T services and facilities; ensure accessibility is taken into account in work of ITU-T; collaborate with other Directors on awareness and mainstreaming accessibility standards; collaborate on this with ITU-D for programmes for developing countries	report to Council as appropriate		

Resolutions requiring TSB action (4)

Res.	Action item for Director	Report to Council	Establish a group	report to WTSA
71	with advice from TSAG, explore and recommend ways to encourage cooperation with academia, etc.	invitation to consider reduced contribution		
72	in collaboration with other Directors, assist developing countries in implementing this Resolution			
73	establish calendar of events relevant to ICT and climate change based on proposals by TSAG, in collaboration with other Sectors; organize workshops and seminars in collaboration with other Directors for developing countries; report to TSAG on progress re. "invites the Sec-Gen"	annual reporting		yes
74	propose to Council it consider admission of SMs from developing countries at reduced level, as in ITU-D	report to Council for PP-10 preparations		
75	appoint focal points in TSB for relevant WSIS action lines; facilitate work of ITU WSIS Task Force	annual report on WSIS implementation and follow-up activities		
76	conduct exploratory activities, in cooperation with BR and BDT, in each region to identify and prioritize problems related to achieving interoperability; study effect on ITU and manufacturers; carry out studies with view to introduce a possible future ITU Mark programme; study financial and legal implications and all other concerns raised; involve experts and external entities as appropriate	report to Council 2009		