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ITU-T report to the October 2009 meeting of JTC 1

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Liaison Officer from ITU-T to JTC 1



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Study groups & chairmen 2009-2012

SG	Title and chairman
2	Operational aspects of service provision and telecommunications management – <i>Ms Marie-Thérèse Alajouanine (France)</i>
3	Tariff and accounting principles including related telecommunication economic and policy issues – <i>Mr Ki-Shik Park (Republic of Korea)</i>
5	Environment and climate change – <i>Mr Ahmed Zeddami (France)</i>
9	Television and sound transmission and integrated broadband cable networks – <i>Mr Arthur Wesbter (USA)</i>
11	Signalling requirements, protocols and test specifications – <i>Mr Wei Feng (China)</i>
12	Performance, QoS and QoE – <i>Mr Charles A. Dvorak (USA)</i>
13	Future networks including mobile and NGN – <i>Mr Chae-Sub Lee (Rep. of Korea)</i>
15	Optical transport networks and access network infrastructures – <i>Mr Yoichi Maeda (Japan)</i>
16	Multimedia coding, systems and applications – <i>Mr Yushi Naito (Japan)</i>
17	Security – <i>Mr Arkadiy Kremer (Russia)</i>
TSAG	Telecommunication Standardization Advisory Group – <i>Mr John Visser (Canada)</i>

Other ITU-T groups

■ **Focus groups:** <http://itu.int/ITU-T/focusgroups>

- Focus Groups are used to address industry needs as they emerge, and when they are not covered within an existing Study Group. Focus Groups can be created very quickly, are usually short-lived and can choose their own working methods, leadership, financing, and types of deliverables
- [Focus Group on Future Networks](#) (FG FN)
- [Focus Group "From/In/To Cars Communication II](#) (FG CarCom)

■ **Joint Coordination Activities (JCA):** <http://itu.int/ITU-T/jca>

- The purpose of a JCA is to coordinate the standardization work in a particular domain. It is composed of representatives from the ITU Study Groups and invited representatives from external SDOs, consortia and forums
- [JCA on ICT and climate change](#) (JCA-ICT&CC)
- [JCA on Management](#) (JCA-Mgt)
- [JCA-Accessibility and Human factors](#) (JCA-AHF)
- [JCA for Identity Management](#) (JCA-IdM)
- [JCA on Network Aspects of Identification Systems \(including RFID/USN\)](#) (JCA-NID)
- [JCA on IPTV](#) (JCA-IPTV)
- [JCA on Conformance and Interoperability Testing](#) (JCA-CIT)
- [JCA on Home Networking](#) (JCA-HN)
- [JCA on NGN](#) (JCA-NGN)

■ **Global Standards Initiatives (GSI):** <http://itu.int/ITU-T/gsi>

- A GSI is a package of work to be conducted through co-located meetings of the involved study groups under the umbrella of a coordinated work plan in order to expedite the work in response to market need and to achieve a visible focus for the work
- [IdM-GSI](#)
- [IPTV-GSI](#)
- [NGN-GSI](#)

ITU-T work programme

- Network infrastructure: optical transport, network management, signalling, performance and QoS, electromagnetic compatibility (EMC), architecture, interoperability, etc
- Next Generation Network (NGN)
- IPTV
- Home networking
- Cybersecurity including Identity management
- Mobility
- Ubiquitous sensor networks
- Cars and telecoms
- Accessibility and disability
- ICTs and climate change
- Bridging the standardization gap

Some highlights of WTSA08

- *See also the Liaison report out of WTSA08 in document ISO/IEC JTC 1 N 9433*
- Cybersecurity ([Res. 50](#))
 - To evaluate standards with respect to their robustness
 - To raise awareness
 - To continue to liaise with other bodies such as JTC 1
 - ➔ *Work mainly done in Study Group 17*
- IP address allocation and encouraging the deployment of IPv6 ([Res. 64](#))
 - Telecommunication Standardization Bureau to study the question of IPv6 address allocation and registration for interested members (especially for developing countries)
 - ➔ *Questionnaire sent to all ITU Member States*
- ICTs and climate change ([Res. 73](#))
 - To study the reduction of energy consumption for ICT equipment
 - Members to work towards reductions in greenhouse gas emissions arising from the use of ICTs, in line with the United Nations Framework Convention on Climate Change
 - ➔ *Work allocated to Study Group 5 with revised name and ToR*

Some highlights of WTSA08 (Cont.)

- Telecommunication/ICT accessibility for persons with disabilities ([Res. 70](#))
 - To develop standards for accessible telecoms/ICTs products and services
 - To make ITU facilities accessible to persons with disabilities
 - ➔ *See the Joint Coordination Activity on Accessibility and Human Factors*
- Studies related to conformance and interoperability testing, assistance to developing countries, and a possible future ITU Mark programme ([Res. 76](#))
 - Voluntary program that (if accepted) will permit manufacturers and service providers to make a visible declaration that their equipment conforms to ITU-T Recommendations
 - ➔ *See the Joint Coordination Activity on Conformance and Interoperability Testing*
- Establishment of a workshop and seminar coordination group ([Res. 53](#))
 - Specifically responsible for agile monitoring of technological evolution, transparent oversight of the organization of workshops and seminars, and continued dissemination of outcomes and related documentation
 - ➔ *See slide 12*
- The creation of a Technology Watch Function in the Telecommunication Standardization Bureau ([Res. 66](#))
 - To survey new technologies for possible new standardization activities in ITU (see <http://www.itu.int/ITU-T/techwatch/>)
 - To collaborate with other SDOs
 - ➔ *See slide 13*

WTSA08 Resolution 7 "Collaboration with the ISO and IEC"

- The primary resolution setting forth the ITU-T collaboration with ISO, IEC and ISO/IEC JTC 1
- ISO and IEC to examine the ITU-T study programme in the early stages of its studies and vice versa, in order to identify subjects where coordination seems desirable
 - Done through the World Standards Cooperation (*see slide 13*) and Liaison mechanisms
- To maintain a database on the ITU-T website of the program of cooperation among ITU-T, ISO and IEC, and setting of priorities of the study items
 - *See slide 8*

Relations among ITU-T and JTC 1

ITU-T Study Group	JTC 1 Sub-Committee
ITU-T SG 11 "Signalling requirements, protocols and test specifications"	■ SC 6 "Telecommunications and information exchange between systems" (Liaison Officer: Shin-Gak Kang)
ITU-T SG 13 "Future networks including mobile and NGN" (see relationships)	■ SC 6 "Telecommunications and information exchange between systems" (acting Liaison Officer: Shin-Gak Kang) ■ SC 27 "IT Security techniques" (Liaison Officer: Richard Brackney)
ITU-T SG 16 "Multimedia coding, systems and applications" (see relationships)	■ SC 29 "Coding of Audio, Picture, Multimedia and Hypermedia Information (on multimedia coding)" (Liaison Officers: Claude Lamblin; for WG 1 and WG 11: Gary Sullivan; see also JVT " Joint Video Team ") ■ SC 31 "Automatic identification and data capture techniques" (Liaison Officer: Noboru KOSHIZUKA) ■ SWG Accessibility (Liaison Officer: Mitsuji Matsumoto)
ITU-T SG 17 "Security" (see relationships)	■ SC 6 "Telecommunications and information exchange between systems" (Liaison Officers: Olivier Dubuisson; for USN security: Heung Youl Youm) ■ SC 7 "Software and systems engineering" ■ SC 17 "Cards and personal identification" (Liaison Officer for telebiometrics: Yoshiaki Isobe) ■ SC 25 "Interconnection of information technology equipment" (Liaison Officer for home network: J.H. Baek) ■ SC 27 "IT Security techniques" (Liaison Officers: for IT security: Koji Nakao; for home network: Heung Youl Youm; for identity management: Richard Brackney; for security evaluation criteria: Sergey Lukovskiy; for security control of services: Vladimir Belenkorich) ■ SC 31 "Automatic identification and data capture techniques" (Liaison Officer for WG 6: Olivier Dubuisson) ■ SC 37 "Biometrics" (Liaison Officers: John Larmouth, Hakil Kim) ■ WSSG "Web Services Study Group" (Liaison Officers: Olivier Dubuisson, Jae Seung Lee)

Some highlights about the last TSAG meeting

- Last meeting: 28-30 April 2009
 - Name of Study Group 5 amended to “Environment and Climate Change” with extended ToR
 - New Joint Coordination Activity on ICTs and Climate Change ([JCA-ICT&CC](#))
 - Revised ITU-T A.23, Annex A | ISO/IEC JTC 1 Directives, Annex K was determined for TAP approval at the next TSAG meeting
 - Correspondence Group on revisions to ITU-T A.23
 - Correspondence Group on External Relations
 - Coordination with groups external to ITU, promotion of ITU-T, Technology Watch, and seminar and workshop coordination
- Next meeting: 8-11 February 2010 (Geneva)

Important work in progress between ITU-T TSAG and JTC 1

- Update of the Guide for ITU-T and ISO/IEC JTC 1 cooperation (ITU-T A.23, Annex | ISO/IEC JTC 1 Directives, Annex K)
 - ITU-T approval process:
 - Currently under TAP consultation among the ITU Member States
 - ITU-T TSAG Correspondence Group to discuss potential issues
 - Planned for approval by ITU-T on 11 Feb. 2010
 - JTC 1 approval process:
 - 2-month ballot in JTC 1 from 1 Nov. 2009
 - Subsequent JTC 1 ballot (if needed) to begin after ITU-T approval to ensure the same text is approved on both sides
 - NOTE: the announced milestones will insure the needed synchronized approval between ITU-T and JTC 1
- Joint leadership team meeting of JTC 1 Sub-Committee chairmen and ITU-T Study Group Chairmen (4 afternoon-5 Feb. 2010, Geneva)
 - Presentations about work on both sides
 - Common topics of interest to be discussed

IEC/ISO/ITU-T Agreement on Distribution of Common Texts

- Agreement signed on 20 August 2009
- ITU-T will make any Common Text freely available one year after ISO and IEC make it available for sale
 - An Amendment to a free Common Text is free
 - A superseded Common Text is free
 - Technical Corrigenda are free
 - Common texts free in ISO and IEC are free in ITU
- Exceptions
 - The ASN.1 and OID standards of JTC 1/SC 6 are free in ITU
 - 13 Common Texts of non-negligible commercial value to ISO and IEC will not be free in ITU

ITU-T Director's Ad hoc Group on Intellectual Property Rights

- Last meeting: 1 May 2009
 - Revisions proposed to the "Guidelines for Implementation of the Common Patent Policy for ITUT/ITU-R/ISO/IEC"
 - Should the results of any privately conducted patent "search" be shared with the other members of the relevant Study Group and under what terms and conditions?
 - Transfer/assignment of patent rights that were subject to an existing licensing undertaking
 - Essential Patent definition
- Next meeting: Feb. 2010
- Common ISO, IEC, ITU-T, ITU-R patent policy:
<http://www.itu.int/ITU-T/ipr>

World Standards Cooperation (WSC)

- Established in 2001 by ITU, ISO and IEC
- Objectives:
 - To strengthen and advance the voluntary consensus-based international standards systems of ITU, ISO, and IEC
 - To promote the adoption and implementation of international consensus-based standards worldwide
 - To resolve any outstanding issues regarding cooperation in the technical work of the three organizations
 - To implement the strategic role of international ICT standards for development and trade, as recognized and reflected in the declaration of principles and plan of action adopted by WSIS
- Undertaken initiatives:
 - workshops, education, training, promotion of the international standards system
- Website: <http://www.itu.int/ITU-T/wsc/>

GSC (Global Standards Collaboration)

- Members: 9 national & regional SDOs, and ITU
- About 100 participants (ATIS, ARIB, CCSA, ETSI, ISACC, TTC, TIA and TTA) at GSC-14, July 2009
- JTC 1 Chairman attended GSC-14 as invited observer
- Mandate: To exchange info, to collaborate, to support ITU as the preeminent global telecoms and radiocomms SDO
- GSC-14 adopted 25 Resolutions: 2 new ("Interoperability", "Telecommunications/ICT Accessibility for persons with disabilities")
- Website: <http://www.itu.int/ITU-T/gsc/gsc14/index.html>
- "GSC in a Nutshell after GSC-14:"
http://www.itu.int/dms_pub/itu-t/oth/21/05/T210500000B0002PPTE.ppt

Workshops and seminars

- "Fully Networked Car", at the Geneva International Motor Show, 3-4 March 2010; jointly organized by ISO, IEC, ITU (deadline for call for abstracts: 1 December 2009)
- See <http://www.itu.int/ITU-T/worksem/>
- Recent workshops
 - ITU Consultation on Conformance Assessment and Interoperability Testing (20-21 Jul. 2009, Geneva, Switzerland)
 - Asia-Pacific Regional Forum on Mainstreaming ICT Accessibility for Persons with Disabilities (25-27 Aug. 2009, Bangkok, Thailand)
 - Virtual International Symposium on ICTs and Climate Change (23 Sept. 2009, Seoul, Korea + videoconference)
 - Workshop on Accessibility (13-15 Oct. 2009, Bamako, Mali, TBC)
- ITU-T Kaleidoscope Events
 - Increase the dialogue between experts working on the standardization of ICTs and academia
 - Event held once a year in different parts of the world
 - Innovations for Digital Inclusion (31 Aug.-1 Sept. 2009, Mar del Plata, Argentina)

Technology watch reports

- Mobile applications (July 2009)
- The Future Internet (April 2009)
- Distributed Computing: Utilities, Grids & Clouds (March 2009)
- Standardization Activities for Intelligent Transport Systems (October 2008)
- NGNs and energy efficiency (August 2008)
- Technical aspects of Lawful Interception (May 2008)
- All reports: <http://www.itu.int/ITU-T/techwatch/reports.html>

Other documents of interest

- Mapping between ISO/IEC Standards and ITU-T Recommendations:
http://www.itu.int/dms_pub/itu-t/oth/0A/0D/T0A0D0000120004MSWE.doc
- Listing of common and technically aligned Recommendations | International Standards (including technical reports and international standardized profiles):
<http://www.itu.int/oth/T0A0D000011/en>
- Integrated database of ITU-R & ITU-T terms and definitions: <http://www.itu.int/pub/R-TER-DB/>



Thank you for your attention!

*Special thanks to Mr Herb Bertine,
previous Liaison Officer from ITU-T to JTC 1*



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