WTSA-08 Action Plan Progress Report, V.8.0

(22 June 2012)

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# Section I - List of WTSA-08 Resolutions

**Table 1**

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| [1](http://www.itu.int/dms_pub/itu-t/opb/res/T-RES-T.1-2008-MSW-E.doc) | [Resolution 1](#Resolution_01) - Rules of procedure of the ITU Telecommunication Standardization Sector (ITU-T) |
| [2](http://www.itu.int/dms_pub/itu-t/opb/res/T-RES-T.2-2008-MSW-E.doc) | [Resolution 2](#Resolution_02) - Study Group responsibility and mandates |
| [7](http://www.itu.int/dms_pub/itu-t/opb/res/T-RES-T.7-2008-MSW-E.doc) | [Resolution 7](#Resolution_07) - Collaboration with the International Organization for Standardization (ISO) and the International Electrotechnical Commission (IEC) |
| [11](http://www.itu.int/dms_pub/itu-t/opb/res/T-RES-T.11-2008-MSW-E.doc) | [Resolution 11](#Resolution_11) - Collaboration with the Postal Operations Council (POC) of the Universal Postal Union (UPU) in the study of services concerning both the postal and the telecommunication sectors |
| [17](http://www.itu.int/dms_pub/itu-t/opb/res/T-RES-T.17-2008-MSW-E.doc) | [Resolution 17](#Resolution_17) - Telecommunication standardization in relation to the interests of developing countries |
| [18](http://www.itu.int/dms_pub/itu-t/opb/res/T-RES-T.18-2008-MSW-E.doc) | [Resolution 18](#Resolution_18) - Principles and procedures for the allocation of work to, and coordination between, ITU-R and ITU-T |
| [20](http://www.itu.int/dms_pub/itu-t/opb/res/T-RES-T.20-2008-MSW-E.doc) | [Resolution 20](#Resolution_20) - Procedures for allocation and management of international telecommunication numbering, naming, addressing and identification resources |
| [22](http://www.itu.int/dms_pub/itu-t/opb/res/T-RES-T.22-2008-MSW-E.doc) | [Resolution 22](#Resolution_22) - Authorization for TSAG to act between WTSAs |
| [26](http://www.itu.int/dms_pub/itu-t/opb/res/T-RES-T.26-2008-MSW-E.doc) | [Resolution 26](#Resolution_26) - Assistance to regional groups of Study Group 3 |
| [29](http://www.itu.int/dms_pub/itu-t/opb/res/T-RES-T.29-2008-MSW-E.doc) | [Resolution 29](#Resolution_29) - Alternative calling procedures on international telecommunication networks |
| [31](http://www.itu.int/dms_pub/itu-t/opb/res/T-RES-T.31-2008-MSW-E.doc) | [Resolution 31](#Resolution_31) - Admission of entities or organizations to participate as Associates in the work of ITU-T |
| [32](http://www.itu.int/dms_pub/itu-t/opb/res/T-RES-T.32-2008-MSW-E.doc) | [Resolution 32](#Resolution_32) - Strengthening electronic working methods for the work of ITU-T |
| [33](http://www.itu.int/dms_pub/itu-t/opb/res/T-RES-T.33-2008-MSW-E.doc) | [Resolution 33](#Resolution_33) - Guidelines for ITU-T strategic activities |
| [34](http://www.itu.int/dms_pub/itu-t/opb/res/T-RES-T.34-2008-MSW-E.doc) | [Resolution 34](#Resolution_34) - Voluntary contributions |
| [35](http://www.itu.int/dms_pub/itu-t/opb/res/T-RES-T.35-2008-MSW-E.doc) | [Resolution 35](#Resolution_35) - Appointment and maximum term of office for chairmen and vice-chairmen of ITU-T study groups and of TSAG |
| [38](http://www.itu.int/dms_pub/itu-t/opb/res/T-RES-T.38-2008-MSW-E.doc) | [Resolution 38](#Resolution_38) - Coordination among ITU-T, ITU-R and ITU-D for activities relating to IMT |
| [40](http://www.itu.int/dms_pub/itu-t/opb/res/T-RES-T.40-2008-MSW-E.doc) | [Resolution 40](#Resolution_40) - Regulatory aspects of ITU-T work |
| [43](http://www.itu.int/dms_pub/itu-t/opb/res/T-RES-T.43-2008-MSW-E.doc) | [Resolution 43](#Resolution_43) - Regional preparations for WTSAs |
| [44](http://www.itu.int/dms_pub/itu-t/opb/res/T-RES-T.44-2008-MSW-E.doc) | [Resolution 44](#Resolution_44) - Bridging the standardization gap between developing and developed countries |
| [45](http://www.itu.int/dms_pub/itu-t/opb/res/T-RES-T.45-2008-MSW-E.doc) | [Resolution 45](#Resolution_45) - Effective coordination of standardization work across study groups in ITU-T and the role of TSAG |
| [47](http://www.itu.int/dms_pub/itu-t/opb/res/T-RES-T.47-2008-MSW-E.doc) | [Resolution 47](#Resolution_47) - Country code top-level domain names |
| [48](http://www.itu.int/dms_pub/itu-t/opb/res/T-RES-T.48-2008-MSW-E.doc) | [Resolution 48](#Resolution_48) - Internationalized (multilingual) domain names |
| [49](http://www.itu.int/dms_pub/itu-t/opb/res/T-RES-T.49-2008-MSW-E.doc) | [Resolution 49](#Resolution_49) - ENUM |
| [50](http://www.itu.int/dms_pub/itu-t/opb/res/T-RES-T.50-2008-MSW-E.doc) | [Resolution 50](#Resolution_50) - Cybersecurity |
| [52](http://www.itu.int/dms_pub/itu-t/opb/res/T-RES-T.52-2008-MSW-E.doc) | [Resolution 52](#Resolution_52) - Countering and combating spam |
| [53](http://www.itu.int/dms_pub/itu-t/opb/res/T-RES-T.53-2008-MSW-E.doc) | [Resolution 53](#Resolution_53) - Establishment of a workshop and seminar coordination group |
| [54](http://www.itu.int/dms_pub/itu-t/opb/res/T-RES-T.54-2008-MSW-E.doc) | [Resolution 54](#Resolution_54) - Creation of regional groups |
| [55](http://www.itu.int/dms_pub/itu-t/opb/res/T-RES-T.55-2008-MSW-E.doc) | [Resolution 55](#Resolution_55) - Mainstreaming gender in ITU-T activities |
| [56](http://www.itu.int/dms_pub/itu-t/opb/res/T-RES-T.56-2008-MSW-E.doc) | [Resolution 56](#Resolution_56) - Roles of TSAG and ITU-T study group vice-chairmen from developing countries |
| [57](http://www.itu.int/dms_pub/itu-t/opb/res/T-RES-T.57-2008-MSW-E.doc) | [Resolution 57](#Resolution_57) - Strengthening coordination and cooperation among ITU-R, ITU-T and ITU-D on matters of mutual interest |
| [58](http://www.itu.int/dms_pub/itu-t/opb/res/T-RES-T.58-2008-MSW-E.doc) | [Resolution 58](#Resolution_58) - Encourage the creation of national Computer Incident Response Teams, particularly for developing countries |
| [59](http://www.itu.int/dms_pub/itu-t/opb/res/T-RES-T.59-2008-MSW-E.doc) | [Resolution 59](#Resolution_59) - Enhancing participation of telecommunication operators from developing countries |
| [60](http://www.itu.int/dms_pub/itu-t/opb/res/T-RES-T.60-2008-MSW-E.doc) | [Resolution 60](#Resolution_60) - Responding to the challenges of the evolution of the numbering system and its convergence with IP-based systems / networks |
| [61](http://www.itu.int/dms_pub/itu-t/opb/res/T-RES-T.61-2008-MSW-E.doc) | [Resolution 61](#Resolution_61) - Misappropriation of international telecommunication numbering resources |
| [62](http://www.itu.int/dms_pub/itu-t/opb/res/T-RES-T.62-2008-MSW-E.doc) | [Resolution 62](#Resolution_62) - Dispute settlement |
| [63](http://www.itu.int/dms_pub/itu-t/opb/res/T-RES-T.63-2008-MSW-E.doc) | [Resolution 63](#Resolution_63) - Studies regarding nomadic telecommunication services and applications |
| [64](http://www.itu.int/dms_pub/itu-t/opb/res/T-RES-T.64-2008-MSW-E.doc) | [Resolution 64](#_Resolution_64_-) - IP address allocation and encouraging the deployment of IPv6 |
| [65](http://www.itu.int/dms_pub/itu-t/opb/res/T-RES-T.65-2008-MSW-E.doc) | [Resolution 65](#Resolution_65) - Calling party number delivery |
| [66](http://www.itu.int/dms_pub/itu-t/opb/res/T-RES-T.66-2008-MSW-E.doc) | [Resolution 66](#Resolution_66) - The creation of a Technology Watch Function in the Telecommunication Standardization Bureau |
| [67](http://www.itu.int/dms_pub/itu-t/opb/res/T-RES-T.67-2008-MSW-E.doc) | [Resolution 67](#Resolution_67) - Creation of a Standardization Committee for Vocabulary (SCV) |
| [68](http://www.itu.int/dms_pub/itu-t/opb/res/T-RES-T.68-2008-MSW-E.doc) | [Resolution 68](#Resolution_68) - The implementation of Resolution 122 (Rev. Antalya, 2006) on the evolving role of the World Telecommunication Standardization Assembly |
| [69](http://www.itu.int/dms_pub/itu-t/opb/res/T-RES-T.69-2008-MSW-E.doc) | [Resolution 69](#_Resolution_69_-) - Non discriminatory access and use of Internet resources |
| [70](http://www.itu.int/dms_pub/itu-t/opb/res/T-RES-T.70-2008-MSW-E.doc) | [Resolution 70](#Resolution_70) - Telecommunication/ICT accessibility for persons with disabilities |
| [71](http://www.itu.int/dms_pub/itu-t/opb/res/T-RES-T.71-2008-MSW-E.doc) | [Resolution 71](#Resolution_71) - Admission of academia, universities and their associated research establishments to participate in the work of ITU-T |
| [72](http://www.itu.int/dms_pub/itu-t/opb/res/T-RES-T.72-2008-MSW-E.doc) | [Resolution 72](#Resolution_72) - Measurement concerns related to human exposure to electromagnetic fields |
| [73](http://www.itu.int/dms_pub/itu-t/opb/res/T-RES-T.73-2008-MSW-E.doc) | [Resolution 73](#Resolution_73) - Information and communications technologies and climate change |
| [74](http://www.itu.int/dms_pub/itu-t/opb/res/T-RES-T.74-2008-MSW-E.doc) | [Resolution 74](#Resolution_74) - Admission of Sector Members from developing countries in the work of ITU-T |
| [75](http://www.itu.int/dms_pub/itu-t/opb/res/T-RES-T.75-2008-MSW-E.doc) | [Resolution 75](#Resolution_75) - ITU-T’s contribution in implementing the outcomes of the World Summit on the Information Society, and the establishment of a Dedicated Group on Internet-related Public Policy Issues as an integral part of the Council Working Group on the WSIS |
| [76](http://www.itu.int/dms_pub/itu-t/opb/res/T-RES-T.76-2008-MSW-E.doc) | [Resolution 76](#Resolution_76) - Studies related to conformance and interoperability testing, assistance to developing countries, and a possible future ITU mark programme |

\* Numbers in the Resolution Number column are hyperlinked to the full texts of the published Resolutions

\*\* The Resolution titles are hyperlinked to the status reports in this document below

# 1.1 Relationship of WTSA-08 Resolutions to PP-10 Decisions and Resolutions

The Action Plan for WTSA-08 Resolutions includes references and linkages ITU-T documents and activities, and also to documents and activities of Council, Plenipotentiary Conference and the other Sectors. These references and links are updated with each update to the Action Plan. [**Annex 1**](#Annex_1) shows the updated relationship between all in-force Decisions and Resolutions as of PP-10 and the WTSA-08 Resolutions.

# Section II - Progress reports on implementation of the WTSA-08 Resolutions

This section of the report shows the name of each WTSA-08 Resolution, followed by the text of the “operative” portion of the Resolution, i.e., the *resolves*, *calls upon*, *instructs*, etc., a listing of the Action Items and due dates, with a column that indicates if a particular Action Item is ongoing by nature that has been met periodic goals, and another column that indicates if a particular Action Item has been completed. A box colored with red indicates an item requiring attention or one that is in jeopardy. Further on in each section, detailed information on each Action Item is provided. The Action Item number, in the first column of the chart of Action Items, is hyperlinked to the status report for that particular Action Item.

# Resolution 1 - Rules of procedure of the International Telecommunication Union-T (ITU-T)

***Resolution 1***

*resolves*

*that the provisions referred to in considering e), f) and g) above shall be further elaborated by the provisions of this resolution and in the resolutions to which they refer, bearing in mind that in the case of inconsistency, the Constitution, the Convention, the International Telecommunication Regulations (ITR) and the General Rules of Conferences, Assemblies and Meetings of the Union (in that order) shall prevail over this resolution*

| Action Item | Action | Milestone | Periodic Goals Met | Completed |
| --- | --- | --- | --- | --- |
| [01-01](#Item01_01) | TSB to prepare agreement with host country for WTSA-12 | 31-Dec-11 |  | ✓ |
| [01-02](#Item01_02) | Director to prepare proposal for organization and structure of WTSA-12 | 30-Sept-12 |  | ✓ |
| [01-03](#Item01_03) | Director to prepare report to WTSA-12 (§1.9.1) | 01-Jul-12 |  | ✓ |
| [01-04](#Item01_04) | TSAG to examine the proposal for "simultaneous adoption and approval by correspondence" (see attached comment). | Apr-09 and ongoing | ✓ |  |

**Action Items 01-01 through 01-03: TSB**

Done.

Resolution 1 provides the overall framework for the structure and operations of the ITU-T Telecommunication Standardization Sector of the ITU. The WTSA-08 Action Plan regarding Resolution 1 focuses mainly on preparations for WTSA-12, including preparation of a host country agreement, proposals on the structure of the Assembly and preparation of the appropriate reports. Implementation of the relevant Action Items 01-01 to 01-03 has begun since end-2011. Each study group and TSAG will be advised on preparation of their reports for the Assembly, including action by TSB to provide appropriate templates for study group reports, new and revised Questions, and a timeline that meets the notification requirements of Resolution 1. The Director, the study group chairmen and TSAG chairman normally discuss and agree on these items through regular meetings of the SG Chairmen.

**Action Item 01-01: TSB**

Done.

The key events associated with Action Item 01-01 were the initiation of these preparations in last quarter of 2011, with final deliverables available by 31 March 2012. A model host country agreement has been done and will be used for WTSA-12.

**Action Item 01-02: TSB**

Done.

The key events associated with Action Item 01-02 will be the initiation of these preparations in 2011, with final deliverables available by September 2012 following consultations at regional preparatory meetings. A draft TSB Director’s report to WTSA-12 was submitted to TSAG July 2012 meeting.

**Action Item 01-03: TSB**

Done.

Following the final, normally-scheduled meetings of the study groups and TSAG in the first half of 2012, TSB collected all final results for the 2009-2012 period and published the draft TSB Director’s report to TSAG by 1 July 2012.

**Critical Path items:**

* Timely preparation of all study group and TSAG reports
* Availability of statistics for reporting to WTSA-12
* Negotiation of host country agreement.
* Notification of all MSs and ITU-T SMs on arrangements for WTSA-12 in accordance with requirements of ITU CS/CV and Resolution 1.
* Final preparation by TSAG of proposals on revision of Resolution 1, and all WTSA-08 Resolutions, at its July 2012 meeting.
* Note that preparations for the Global Standardization Symposium (GSS) and WCIT-12 will also be progressing at the same time as WTSA-12 preparations and are inter-related to some degree.

**Action Item 01-04: TSAG**

Done.

Consideration of this proposal was put on the agenda of TSAG, April 2009. TSAG invited further contributions to its next meeting in February 2010 (report [TSAG R1TSAG R1](http://www.itu.int/md/T09-TSAG-R-0001/en), §6.1). No contributions were received by the February 2010 TSAG meeting. Unless new contributions are submitted for consideration of this proposal, this Item is closed.

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# Resolution 2 - Study Group responsibility and mandates

**Resolution 2**

*resolves*

*1 that the mandate of each study group, which it shall use as the basis for organizing its study programme, shall consist of:*

*– a general area of responsibility, as set out in Annex A, within which the study group may amend existing Recommendations, in collaboration with other groups, as appropriate;*

*– a set of Questions related to particular areas of study, which are compatible with the general area of responsibility and which should be results-oriented (refer to Section 7 of Resolution 1 of this assembly);*

*2 to encourage the study groups to consider collocation (e.g. of study group plenaries, working parties or rapporteur meetings) as a means to improve cooperation in some areas of work; the study groups involved will need to identify the areas in which they need to cooperate, based on their mandates, and keep TSAG and TSB informed,*

*instructs the Telecommunication Standardization Bureau*

*to support and facilitate the operational aspects of such collocation.*

| Action Item | Action | Milestone | Periodic Goals Met | Completed |
| --- | --- | --- | --- | --- |
| [02-01](#Item02_01) | TSB Counsellor to insert pointer on Resolution 2 webpage to location of updated SG structure, mandate or Annex C information within 1 month of change. Updated Annex C located at <http://www.itu.int/ITU-T/info/sp14-r2-annexc.html> | ongoing | ✓ |  |

**Action Item 02-01: TSB**

30 April 2009: Mandate of SG5 changed to include ICT and Climate Change; Updates to relevant sections of Resolution 2 have been approved by TSAG (see [TSAG R1](http://www.itu.int/md/T09-TSAG-R-0001/en), Annex J, July 2009) ([http://www.itu.int/md/T09-TSAG-R-0001](http://www.itu.int/md/T09-TSAG-R-0001/en)); descriptions on the SG5 webpage have been updated; the ToR of JCA-ICT&CC have been updated (see [TSAG R1](http://www.itu.int/md/T09-TSAG-R-0001/en), Annex K, July 2009); the membership informed in [TSB Circular 38](http://www.itu.int/md/T09-TSB-CIR-0038/en) ([http://www.itu.int/md/T09-TSB-CIR-0038](http://www.itu.int/md/T09-TSB-CIR-0038/en)) ; a pointer on the Resolutions webpage to revised sections of Resolution 2 are yet to be done

TSAG (Feb’10) approved addition of L-Series Recommendations under SG5, Resolution 2, Annex C. Report [TSAG R3](http://www.itu.int/md/T09-TSAG-R-0003/en), clause 11.1.5 ([http://www.itu.int/md/T09-TSAG-R-0003](http://www.itu.int/md/T09-TSAG-R-0003/en)) states: “TSAG agreed to modify Annex C of Resolution 2 by adding the listed L-series Recs under the responsibility of ITU-T SG 5”. The list of all Recommendations under the responsibility of SG5 is found on the SG5 web page at: <http://www.itu.int/ITU-T/recommendations/index_sg.aspx?sg=5>. However, the corresponding Resolution 2, Annex C webpage has not been updated.

The current status of the “List of Recommendations under the responsibility of the respective Study Groups and TSAG in the 2009-2012 Study Period”, found in Annex C of [Resolution 2](http://www.itu.int/pub/T-RES/publications.aspx?lang=en&parent=T-RES-T.2-2008) (<http://www.itu.int/pub/T-RES/publications.aspx?lang=en&parent=T-RES-T.2-2008>) is being maintained online at <http://www.itu.int/ITU-T/info/sp14-r2-annexc.html>. Updates have been incorporated for some study groups.

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# Resolution 7 - Collaboration with the International Organization for Standardization (ISO) and the International Electrotechnical Commission (IEC)

**Resolution 7**

*resolves*

*1 to continue inviting ISO and IEC to examine the ITU T study programme in the early stages of its studies and vice versa, and to further examine such programmes to take into account ongoing changes, in order to identify subjects where coordination seems desirable, and to so advise the Director of the Telecommunication Standardization Bureau (TSB);*

*2 to request the Director of TSB, after consultation with the study group chairmen concerned, to reply, and to furnish any additional information requested by ISO and IEC, as it becomes available;*

*3 to request the Director of TSB to examine and update the programme of cooperation and priority of the study items among ITU-T, ISO and IEC and highlight this information on the ITU T website on a regular basis;*

*4 to request the Director of TSB, the study groups and the Telecommunication Standardization Advisory Group to consider and propose further improvements to the procedures for cooperation between ITU-T and ISO and IEC, including setting the priorities for such cooperation;*

*5 that the necessary contacts with ISO and/or IEC should be at the appropriate levels and coordination methods should be mutually agreed and regular coordination events arranged:*

* *for work where text should be drawn up mutually and kept aligned, procedures in accordance with Recommendation ITU-T A.23 and the Guidelines for Cooperation therein apply;*
* *for other activities where coordination between ITU T and ISO and IEC is required (for example in relation to any mutual agreements, such as the Memorandum of Understanding on standardization in the field of electronic business), clear means of coordination shall be established and regular coordination contacts made;*

*6 to request the chairmen of study groups to take into account the related work programmes and the progress of projects in ISO, IEC and ISO/IEC JTC 1; further, to cooperate with these organizations as widely as possible and by appropriate means, in order to:*

* *ensure that the specifications which have been jointly drawn up remain aligned;*
* *collaborate in drawing up other specifications in fields of joint interest;*

*7 that, for reasons of economy, any necessary collaborative meetings take place as far as possible in association with other meetings;*

*8 that the report concerning such coordination indicate the status of alignment and compatibility of draft texts on points of common concern, in particular identifying any subject which could be dealt with in a single organization, and cases where cross-referencing would be helpful to users of published International Standards and Recommendations;*

*9 to invite administrations to contribute significantly to the coordination between ITU T on the one hand and ISO and IEC on the other by ensuring adequate coordination of national activities associated with the three organizations.*

| Action Item | Action | Milestone | Periodic Goals Met | Completed |
| --- | --- | --- | --- | --- |
| [07-01](#Item07_01) | Director to consult with ISO and IEC on work programmes and follow through with study group chairmen according to Resolves of Resolution 7. | ongoing | ✓ |  |
| [07-02](#Item07_02) | TSAG and relevant experts of SG17 to update the Annex to Recommendation A.23 | 30-Dec-10  ongoing | ✓ |  |
| [07-03](#Item07_03) | TSAG to appoint new liaison from ITU-T to ISO/IEC JTC1 | 30-Apr-09 |  | ✓ |
| [07-04](#Item07_04) | TSB, in consultation with the study groups, to update programme of cooperation and priority among ITU-T, ISO and IEC, and update website | 30-Dec-09 and  ongoing | ✓ |  |

**Action Item 07-01: TSB and SGs**

13 Feb 2009: World Standards Cooperation (WSC) met on 13 Feb 2009, hosted by ITU-T. The WSC meeting report was submitted to TSAG (April 2009) as [TSAG TD/15](http://www.itu.int/md/T09-TSAG-090428-TD-GEN-0015/en) (http://www.itu.int/md/T09-TSAG-090428-TD-GEN-0015). An ITU-T website has been established for [WSC](http://www.itu.int/en/ITU-T/extcoop/Pages/wsc.aspx) at [http://www.itu.int/ITU-T/extcoop](http://www.itu.int/en/ITU-T/extcoop/Pages/wsc.aspx).

WSC held its 2010 meeting on 12 February 2010, hosted by ISO, the day following the TSAG meeting. The meeting report, submitted to the February 2011 meeting of TSAG, is found in [TD151/TSAG](http://www.itu.int/md/T09-TSAG-110208-TD-GEN-0151/en) (http://www.itu.int/md/T09-TSAG-110208-TD-GEN-0151)

WSC held its 2011 meeting, hosted by ITU, on 18 February 2011, the week after the 8-11 February 2011 TSAG meeting. The 2012 WSC meeting will be held on 17 February 2012.

TSB continues to consult with ISO and IEC on the Standards Community Management Course. Further information on WSC is found at [http://www.itu.int/ITU-T/wsc](http://www.itu.int/ITU-T/wsc/index.html)

The report of the Joint Leadership meeting of ITU-T study group chairmen and ISO/IEC/JTC1 leadership, held on 4-5 February 2010, is in [TSAG TD/133R1](http://www.itu.int/md/dologin_md.asp?lang=en&id=T09-TSAG-100208-TD-GEN-0133!R1!MSW-E) (<http://www.itu.int/md/T09-TSAG-100208-TD-GEN-0133!R1!MSW-E>). A matrix showing the relationship between ITU-T work and that of ISO/IEC was submitted in [TSAG TD/104](http://www.itu.int/md/dologin_md.asp?lang=en&id=T09-TSAG-100208-TD-GEN-0104!!ZIP-E) (<http://www.itu.int/md/T09-TSAG-100208-TD-GEN-0104!!ZIP-E>).

JTC 1 hosted the second meeting of the ITU-T study group chairmen and ISO/IEC/JTC1 leadership on 6 November 2011 in San Diego (USA), just prior to the JTC 1 plenary.

ITU, ISO and IEC jointly sponsored The Fully Networked Car Workshops on [4-5 March 2009](http://www.itu.int/ITU-T/worksem/ict-auto/200903/index.html) ([http://www.itu.int/ITU-T/worksem/ict-auto/200903](http://www.itu.int/ITU-T/worksem/ict-auto/200903/index.html)) and [3-4 March 2010](http://www.itu.int/ITU-T/worksem/ict-auto/201003/index.html) ([http://www.itu.int/ITU-T/worksem/ict-auto/201003](http://www.itu.int/ITU-T/worksem/ict-auto/201003/index.html)) at the Geneva International Motor Show. The sixth jointly sponsored The Fully Networked Car Workshop was held at the Geneva International Motor Show on [2-3 March 2011](http://www.itu.int/ITU-T/worksem/ict-auto/201103/index.html) (<http://www.itu.int/ITU-T/worksem/ict-auto/201103>).

WSC organized the [International Workshop “Accessibility and the contribution of International Standards” on 3-4 November 2010](file:///C:\Users\Documents%20and%20Settings\Gary\Application%20Data\Microsoft\Word\International%20Workshop%20), followed by a meeting of standards developers on 5 November 2010 (http://www.iso.org/sites/WSC\_Accessibility\_2010).

WSC organized Academic Week on 4 – 9 July 2010 ([http://www.iso.org/sites/WSCAW2010](http://www.iso.org/sites/WSCAW2010/index.html)) where representatives of academia, standards bodies and the public and private sectors met to stimulate cooperation among all players, increase awareness of academia about standards development and examine economic and social benefits of standardization. WSC Academic Day 2011 was held on 29 June 2011 in Hangzhao, China. Information is found at <http://www.worldstandardscooperation.org/assets/pdf/wsc_2011_academic_day_programme.pdf>.

ITU-T and ISO/IEC JTC1 have created a new joint project in January 2010. Experts from ITU-T SG16 and ISO/IEC JTC1 SC29/WG11 (MPEG) will work on a new video coding Joint Collaboration Team on Video Coding (JCT-VC) to develop a successor to the very successful H.264 codec. For additional details, see ITU-T [Newslog of 28 Jan 2010](http://www.itu.int/ITU-T/newslog/New+Video+Codec+Partnership.aspx) (<http://www.itu.int/ITU-T/newslog/New+Video+Codec+Partnership.aspx>), and the [JCT-VC webpage](http://www.itu.int/en/ITU-T/studygroups/com16/video/Pages/jctvc.aspx) at [http://www.itu.int/ITU-T/studygroups/com16/video](http://www.itu.int/en/ITU-T/studygroups/com16/video/Pages/jctvc.aspx). The JCT-VC has held 9 meetings, the most recent being in Geneva, 22 April-7 May 2012. In May 2012, another collaborative group was established with MPEG to work on the development of efficient 3D video coding extensions applicable to ITU-T H.262, ITU-T H.264 and the future H.HEVC.

SG 17 continues to work jointly with several ISO TCs, IEC TCs and ISO/IEC JTC 1 SCs on work items of common interest.

[TSB Circular 208](http://www.itu.int/md/T09-TSB-CIR-0208/en) ([http://www.itu.int/md/T09-TSB-CIR-0208](http://www.itu.int/md/T09-TSB-CIR-0208/en)), 8 July 2011, announced that ISO and ITU will join forces to work on Intelligent Transport Systems (ITS). The intent of the Collaboration on ITS Communication Standards (<http://itu.int/en/ITU-T/extcoop/cits/>) is to provide a globally recognized forum for the creation of an internationally accepted, globally harmonized set of ITS communication standards of the highest quality in the most expeditious manner possible to enable the rapid deployment of fully interoperable ITS communication-related products and services in the global marketplace.

In June 2012 ITU-T Study Group 13 has established two new collaborative teams with ISO/IEC JTC 1 SC 38/WG3 to work on the common texts in the area of vocabulary and reference architecture for cloud computing. The start of the work is envisaged for September 2012 and the common texts to be ready for initiation of approval process at the end of 2013.

**Action Item 07-02: SG17 and TSAG**

Ongoing.

30-Apr-09: TSAG DETERMINED draft revised Annex A to Recommendation A.23, "Collaboration with the ISO and IEC on information technology" in April 2009, with approval to be considered at TSAG, February 2010. TSAG established a correspondence group on the revision of Recommendation ITU-T A.23. Proposals for the update to Annex A were sent to the February 2010 TSAG meeting. With final modifications, TSAG approved the revised Annex A of Recommendation A.23 on 11 February 2010. It will next be considered for approval by ISO and IEC, following ISO and IEC approval procedures.

19-Jan-10: ITU-T/JTC1 leadership meeting was held on 4 February 2010, with discussion of this item on the agenda. ITU-T approval was anticipated when TSAG would consider the Decision to approve Revised Annex A of ITU-T Rec A.23 at its meeting during the week of 8 February 2010.

At TSAG (11 Feb 2010), following further discussion of contributions and final revisions, Annex A was approved. The approved text is found in [TSAG TD115R1](file:///C:\Users\yang\Documents\WTSA\WTSA%20Action%20Plan\TSAG%20TD115R1) (<http://www.itu.int/md/T09-TSAG-100208-TD-GEN-0115!R1!ZIP-E>). ISO/IEC JTC1 started its approval process in parallel with that of ITU on 24 Feb 2010. Their approved document is published as ISO/IEC JTC1 Standing Document 3. ITU-T SG 17 has implemented these updated procedures.

TSAG January 2012 setup a correspondence group on the synchronized appointment of a registration authority by ITU-T and ISO/IEC JTC 1 with the aim to developing an Amendment to Rec. ITU T A.23, Annex A | ISO/IEC JTC 1 Standing Document 3. A report of this effort was submitted to TSAG July 2012 in [TSAG TD391](http://www.itu.int/md/T09-TSAG-120702-TD-GEN-0391/en) ( [http://www.itu.int/md/T09-TSAG-120702-TD-GEN-0391](http://www.itu.int/md/T09-TSAG-120702-TD-GEN-0391/en)).

**Action Item 07-03: TSAG**

Done.

On 30-Apr-09, TSAG appointed Mr. Olivier Dubuisson (France Telecom) as the new liaison from ITU-T to ISO/IEC JTC1, replacing Mr. Herbert Bertine, former Chairman of SG17.

Mr Dubuisson submitted a report of the JTC1 Plenary meeting, 8-13 November 2010, to the 8-11 February 2011 meeting of TSAG in [TSAG TD201](file:///C:\Users\yang\Documents\WTSA\WTSA%20Action%20Plan\TSAG%20TD201) (<http://www.itu.int/md/T09-TSAG-110208-TD-GEN-0201> ), and a report of the JTC1 Plenary meeting, 7-12 November 2011, to the 10-13 January 2012 meeting of TSAG). Mr. Dubuisson was also the convener of the correspondence group on the revision of Rec. ITU T A.23 Annex A (see Action Item 07-02 above).

**Action Item 07-04: TSB and SGs**

Ongoing

* A dynamically list of all common and twin texts between ITU-T and JTC1 is found at <http://itu.int/ITU-T/recommendations/iso.aspx?ser=-1&status=F&iso=&type=T>.
* The mapping of SG 17 Questions with TC or SC in IEC, ISO or ISO/IEC JTC 1 continues to be updated. See <http://www.itu.int/ITU-T/studygroups/com17/refdocs/relationships.html>
* TSB produced a detailed document in December 2009 on the relations with ISO, IEC and ISO/IEC JTC1.
* The TSB Director, ISO Secretary General and IEC General Secretary meet periodically to discuss cooperation.
* The ICT Security Standards Roadmap was updated in January/February 2011. This roadmap includes information on ITU-T, ISO and IEC, as well as IETF, and is found at [http://www.itu.int/ITU-T/studygroups/com17/ict](http://www.itu.int/ITU-T/studygroups/com17/ict/index.html).

**Summary of Roadmap Updates**

| **Roadmap part** | **Release number** | **Last update** |
| --- | --- | --- |
| Introduction (Main page) | 2.4 | 25th January, 2011 |
| Part 1 | 4.4 | 23rd February, 2011 |
| Part 2 | 4.3 | 31st January, 2011 |
| Part 3 | 5.1 | 25th January, 2011 |
| Part 4 | 4.1 | 25th January, 2011 |
| Part 5 | 5.1 | 25th January, 2011 |

* Similar coordination is done on e-business standardization.

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# Resolution 11 - Collaboration with the Postal Operations Council (POC) of the Universal Postal Union (UPU) in the study of services concerning both the postal and the telecommunication sectors

**Resolution 11**

*resolves*

*1 that the relevant ITU-T study groups should continue to collaborate with the POC committees as necessary, on a reciprocal basis and with a minimum of formality;*

*2 that, for ITU-T, Study Group 2 should continue to act as the main point of contact for POC/ITU T collaborative studies;*

*3 that the Director of the Telecommunication Standardization Bureau should encourage and assist this collaboration between the two organs.*

| Action Item | Action | Milestone | Periodic Goals Met | Completed |
| --- | --- | --- | --- | --- |
| [11-01](#Item11_01) | TSAG to review which study group shall act as the main point of contact with the POC |  |  |  |

**Action Item 11-01: TSAG**

TSAG meetings from April 2009 to January 2012 did not discuss this matter yet.

Since UPU has expressed interest in the work of SG17 (Security), UPU has been invited to SG17 meetings, in particular regarding matters related to identity management (Q10/17). UPU participated in the August 2011 SG 17 meeting and with particular interest in Q10/17 matters. However, SG 17 does not feel positioned to act as the main point of contact with the POC.

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# Resolution 17 - Telecommunication standardization in relation to the interests of developing countries

**Resolution 17**

*resolves*

*1 to request the Director of TSB to cooperate with the ITU regional offices, including the possibility of holding ITU T meetings in the regions;*

*2 to request the Director of TSB to strengthen cooperation and coordination with the relevant regional organizations, in particular those of developing countries;*

*3 subject to approval by the Council, to provide administrations of developing countries with free electronic copies of available documents, such as:*

*a) ITU handbooks, directives, etc., related to the understanding and implementation of ITU-T Recommendations, particularly with respect to planning, operation and maintenance of telecommunication networks;*

*b) the ITU collection of basic texts, to improve and enhance participation of developing countries in the standardization process,*

*instructs the Director of the Telecommunication Standardization Bureau*

*to provide, subject to a decision of the Council, the Telecommunication Development Bureau with all the necessary support with a view to:*

*• encouraging and increasing the participation of developing countries in telecommunication standardization activities;*

*• assisting and advising in the organization and holding of information meetings concerning the work of the ITU-T study groups;*

*• assisting developing countries with their studies in respect of their priority questions, such as, but not limited to, VoIP, mobile technology, multimedia, emergency and disaster relief, security of networks, next-generation networks (NGN), the transition from IPv4 to IPv6, triple and quadruple play and cybersecurity;*

*• encouraging and supporting the establishment and operation of flagship groups addressing the above questions;*

*• working with Sector Members, manufacturers, academia and research and development organizations in particular, on exchanging information on new technologies and requirements of developing countries, and on providing technical assistance to encourage the establishment of standardization programmes in academia and research and development organizations in the field of information and communication technology;*

*• assisting developing countries in formulating draft Questions and in making proposals;*

*• developing standardization activities in the regional offices;*

*• launching a campaign to promote standardization activities in order to attract new Sector Members and Associates from developing countries;*

*• assisting developing countries in examining interconnection, numbering, naming, addressing and refiling, in accordance with ITU-T Recommendations;*

*• providing additional support to help bridge the standardization gap between the developed and the developing countries;*

*• continuing and consolidating the efforts on NGN deployment studies and standards-development activities, particularly those designed for rural areas and for bridging the digital divide and the development divide, including, for example, the upgrading of skills necessary for migration to NGN,*

*further instructs the study groups*

*1 to take appropriate steps to have studies carried out on questions connected with standardization which are identified by world telecommunication development conferences;*

*2 to take account of the specific characteristics of the telecommunication environment of the developing countries in the process of establishing standards in the fields of planning, services, systems, operation, tariffs and maintenance, and to provide solutions/options relevant to developing countries wherever possible;*

*3 to develop methods for increasing the awareness of ITU-T Recommendations, taking account of ways and means to increase usage of ITU-T Recommendations in developing countries;*

*4 to continue liaising with study groups of the ITU Telecommunication Development Sector, where appropriate, when developing new or revised ITU-T Recommendations, on the specific needs and requirements of developing countries, in order to broaden the appeal and applicability of the Recommendations in those countries.*

| Action Item | Action | Milestone | Periodic Goals Met | Completed |
| --- | --- | --- | --- | --- |
| [17-01](#Item17_01) | Director to organize meetings, seminars and workshops in the regions with close cooperation with ITU Regional Offices, making presentation material available to BDT.  (Also see, inter alia, Resolutions 26, 38, 43, 44, 53, 54, 56, 57, 59, 60, 63, 64, 71, 72, 74.) | ongoing | ✓ |  |
| [17-02](#Item17_02) | TSB to investigate development of a web-based feedback mechanism, including a statistical analysis tool, to collect information from meeting participants in the regions. | 30-Sep-09 |  | ✓ |
| [17-03](#Item17_03) | Director to continue cooperation and participation by TSB in meetings of the Regional Telecom Organizations | ongoing | ✓ |  |

**Action Item 17-01: TSB**

Ongoing

ITU-T Workshops and Seminars calendar is shown at [http://www.itu.int/ITU-T/worksem](http://www.itu.int/ITU-T/worksem/index.html).

A report on workshops and seminars was presented to TSAG (April 2009) in TD33R1 ([http://www.itu.int/md/T09-TSAG-090428-TD-GEN-0033](http://www.itu.int/md/T09-TSAG-090428-TD-GEN-0033/en) ). In 2009, there were some 29 events for a total of 56 days, engaging over 2550 participants. TSB participated in other events organized by others, e.g. BDT Development Forums in the five regions. ITU-T also provided speakers to other events, e.g., BB Broadcasting, organized in 2009. Approximately 75% of the seminars, workshop and other events took place outside of Geneva. The next report, covering these 2009 activities and six workshops currently planned for 2010, was presented to the February 2010 meeting of TSAG in TD103R1 ([http://www.itu.int/md/T09-TSAG-100208-TD-GEN-0103](http://www.itu.int/md/T09-TSAG-100208-TD-GEN-0103/en) )

A report on workshops and seminars was submitted to TSAG (Feb 2011) in [TD 222](http://www.itu.int/md/T09-TSAG-110208-TD-GEN-0222/en) ([http://www.itu.int/md/T09-TSAG-110208-TD-GEN-0222](http://www.itu.int/md/T09-TSAG-110208-TD-GEN-0222/en)) with list of workshops and seminars held in 2010. There were 23 workshops in 2010, of which 70% were held outside Geneva, for a total of 55 days. Information is also included on the approximately 40 workshops and seminars planned for 2011.

TSB led the organization of 91 workshops in the 2009-2012 study period (24 (2012); 34(2011); 23 (2010), 30 (2009)).

**Action Item 17-02: TSB**

Done.

1 July 2009: An On-line Survey tool is available on the ITU-T Workshops and Seminars web pages since July 2009. Participants can give a satisfaction rating on a scale of 1 (low) to 5 (high), with responses being used by TSB to improve performance. To date, ratings are in range of 4-5. Posting statistics and submission to TSAG is being considered.

**Action Item 17-03: TSB**

Ongoing

ITU-T participated regularly in meetings of APT/ASTAP, CITEL PCC.I, RCC, ATIS, ETSI and IEEE, etc.

In the preparatory process of WTSA-12 and WCIT, ITU-T organized jointly with APT, CITEL, ATU, RCC, etc, preparatory meetings in Asia-Pacific region, Arab States, RCC Countries, Americas region and Africa region; and also participated in regional preparatory meetings organized by other regional telecommunication organizations such as CEPT for Europe (see [http://www.itu.int/ITU-T/wtsa-12/prepmeet](http://www.itu.int/en/ITU-T/wtsa-12/prepmeet) ).

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# Resolution 18 - Principles and procedures for the allocation of work to, and coordination between, ITU-R and ITU-T

**Resolution 18**

*resolves*

*1 that TSAG and RAG, meeting jointly as necessary, shall continue the review of new and existing work and its distribution between ITU T and ITU R, for approval in accordance with the procedures laid down for the approval of new and/or revised Questions;*

*2 that, if considerable responsibilities in both Sectors in a particular subject are identified:*

*a) the procedure as given in Annex A to this resolution should be applied; or*

*b) a joint group should be established; or*

*c) the matter should be studied by relevant study groups of both Sectors with appropriate coordination (see Annex B to this resolution).*

| Action Item | Action | Milestone | Periodic Goals Met | Completed |
| --- | --- | --- | --- | --- |
| [18-01](#Item18_01) | TSAG to continue to review work and its distribution and possible coordination between ITU-T and ITU-R | ongoing |  |  |

**Action Item 18-01: TSAG**

Ongoing, but no TSAG coordination actions under Resolution 18 have been required in this study period.

Discussions on the relationship of work in ITU-T and the other Sectors was discussed at the February 2010 meeting of TSAG in response to documents regarding work on Power Line Transmission in ITU-R and ITU-T. TSAG (February 2010) sent a liaison to ITU-R SG1 to address coordination of NID/USN/RFID Standardization and requested that the TSB Director report to TSAG on a regular basis on any issues, and their solutions, that might arise between ITU-T and ITU-R.

The Director suggested the possibility of holding meetings among the study group leadership of the three Sectors. Such a meeting could be considered when appropriate issues are identified which require discussion and resolution of the study group leaders.

A joint workshop was discussed between ITU-R and ITU-T on Power Line Transmission/Home Networking. The [ITU Forum on Technical Compatibility between Power Line Telecommunication systems (PLT) and Radiocommunication Services](http://www.itu.int/ITU-R/index.asp?category=conferences&rlink=itu-plt-forum-11&lang=en) took place on 27 May 2011 and involved ITU-T SG5 and SG15 with ITU-R WP1A. Many other ITU-R Study Groups are also interested in the emissions issue. (<http://www.itu.int/ITU-R/index.asp?category=conferences&rlink=itu-plt-forum-11&lang=en> )

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# Resolution 20 - Procedures for allocation and management of international telecommunication numbering, naming, addressing and identification resources

**Resolution 20**

*resolves to instruct*

*1 the Director of TSB, before assigning, reassigning and/or reclaiming international numbering, naming, addressing and identification resources, to consult:*

*i) the chairman of Study Group 2, in liaison with the chairmen of the other relevant study groups, or if needed the chairman's delegated representative; and*

*ii) the relevant administration(s); and/or*

*iii) the authorized applicant/assignee when direct communication with TSB is required in order to perform its responsibilities.*

*In the Director's deliberations and consultations, the Director will consider the general principles for the allocation of numbering, naming, addressing and identification resources, and the provisions of the relevant E-, F-, Q- and X-series ITU-T Recommendations, and those to be adopted with respect to identification;*

*2 Study Group 2, in liaison with the chairmen of the other relevant study groups, to provide to the Director of TSB:*

*i) advice on technical, functional and operational aspects in the assignment, reassignment and/or reclamation of international numbering, naming, addressing and identification resources in accordance with the relevant Recommendations, taking into account the results of any ongoing studies;*

*ii) guidance in cases of reported complaints about misuses of an international telecommunication numbering resource, including numbering, naming, addressing and identification resources;*

*3 the Director of TSB to take the appropriate measures where Study Group 2, in liaison with the other relevant study groups, has provided advice and guidance in accordance with resolves to instruct 2 above;*

*4 the Director of TSB, in close collaboration with Study Group 2, and any other relevant study groups, to follow up on the misuse of any numbering, naming, addressing and identification resources and inform the ITU Council accordingly;*

*5 Study Group 2 to study, urgently, necessary action to ensure that the sovereignty of ITU Member States with regard to country code numbering, naming, addressing and identification plans is fully maintained, as enshrined in Recommendation ITU-T E.164 and other relevant Recommendations; this shall cover ways and means to address and counter any misuse of any numbering, naming, addressing and identification resources, and of call progress tones and signals, through proper development of a proposed resolution and/or the development and adoption of a Recommendation towards this aim.*

| Action Item | Action | Milestone | Periodic Goals Met | Completed |
| --- | --- | --- | --- | --- |
| [20-01](#Item20_01) | Director to use procedures in relevant Recommendations upon receipt of new numbering, addressing and identification resource requests | ongoing | ✓ |  |
| [20-02](#Item20_02) | SG2 to provide Director with advice and guidance related to Resolution 20 | ongoing | ✓ |  |
| [20-03](#Item20_03) | Director, in close collaboration with SG2 and other relevant study groups, to follow-up on misuse of resources and inform Council accordingly | ongoing | ✓ |  |
| [20-04](#Item20_04) | SG2 to study necessary action to ensure sovereignty of ITU Member States with regard to country code numbering, naming, addressing and identification plans is maintained. | ongoing |  |  |

**Action Item 20-01: TSB**

Requests are processed on a regular basis, in particular in accordance with Q.708 and E.164.1 and advice is obtained, as required, from the Chairman of SG2.

All resulting assignments are published in the Operational Bulletin. Since 1 January 2010, the [ITU Operational Bulletin](http://www.itu.int/pub/T-SP/e) has been disseminated electronically with free online access (<http://www.itu.int/pub/T-SP/e>).

Shared network codes are also published on a dedicated portion of the ITU-T web site and are examples of this resource management process.  Those current lists of shared network codes are published in the document found at: [http://www.itu.int/oth/T0207000001](http://www.itu.int/oth/T0207000001/en)

**Action Item 20-02: SG2**

June 2011: At the meeting of SG2 (1-10 June 2011), advice was provided to the TSB Director on numbering applications including advice related to conditions regarding E.164 number assignments, to unused resources and to misused resources. Other guidance was provided to TSB regarding collection of up to date information on Emergency Telecommunication Numbers actually in use.

**Action Item 20-03 and 20-04: SG2**

14 Sept 2009:

Director submitted report to Council 2009 ([C09/35, Add.1](file:///C:\Users\yang\Documents\WTSA\WTSA%20Action%20Plan\C09\35,%20Add.1), clause 2) ([http://www.itu.int/md/S09-CL-C-0035](http://www.itu.int/md/S09-CL-C-0035/en)). The Director also submitted a report to Council 2010 ([C10/35](http://www.itu.int/md/S10-CL-C-0035/en), clause 60b) ([http://www.itu.int/md/S10-CL-C-0035](http://www.itu.int/md/S10-CL-C-0035/en)) noting continuation of this work and web site.

Study group 2 is studying this matter under Q1/2.

A web site has been previously created to capture reported misuse and track responses and actions. That web site is at: [http://www.itu.int/ITU T/secured/misuse](http://www.itu.int/ITU%20T/secured/misuse/index.html). There were 11 reported instances of misuse of E.164 numbers made to ITU through this process in the 2009-2012 study period (3 (2009), 4 (2010), 1 (2011), 3 (2012)).

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# Resolution 22 - Authorization for TSAG to act between WTSAs

**Resolution 22**

resolves

*1 to assign to TSAG the following specific matters within its competence between this assembly and the next assembly to act in the following areas in consultation with the Director of TSB, as appropriate:*

*a) maintain up-to-date, efficient and flexible working guidelines;*

*b) assume responsibility, including development and submission for approval under appropriate procedures, for the ITU-T A series Recommendations (Organization of the work of ITU T);*

*c) restructure and establish ITU T study groups and assign chairmen and vice chairmen to act until the next WTSA in response to changes in the telecommunication marketplace;*

*d) issue advice on study group schedules to meet standardization priorities;*

*e) while recognizing the primacy of the study groups in carrying out the activities of ITU-T, create, terminate or maintain other groups, including focus groups, appoint their chairmen and vice-chairmen, and establish their terms of reference with a defined duration, in accordance with Nos. 191A and 191B of the Convention, in order to enhance and improve the effectiveness of ITU T's work as well as promoting flexibility in responding rapidly to high-priority issues; such groups shall not adopt Questions or Recommendations, but work on a specific mandate;*

*f) review reports of and consider appropriate proposals made by coordination groups and other groups, and implement those that are agreed;*

*g) establish the appropriate mechanism and encourage the utilization, for example, of coordination groups or other groups, to address key topics of work which span several study groups, with a view to ensuring effective coordination of standardization topics in order to achieve suitable global solutions;*

*h) advise the Director of TSB on financial and other matters;*

*i) approve the programme of work arising from the review of existing and new Questions and determine the priority, urgency, estimated financial implications and time-scale for the completion of their study;*

*j) group, as far as practicable, Questions of interest to developing countries, including the least developed countries, small island developing states and countries with economies in transition, in order to facilitate their participation in these studies;*

*k) other specific matters within the competence of WTSA, subject to the approval of Member States, using the approval procedure contained in Resolution 1 of this assembly, Section 9;*

*2 that revisions to the relevant procedures for adoption of Questions and Recommendations by study groups, other than those referred to in Nos. 246D, 246F and 246H of the Convention, may be initiated by TSAG for approval by Member States between WTSAs, using the approval procedure contained in Resolution 1 of this assembly, Section 9;*

*3 that TSAG provide liaison on its activities to organizations outside ITU in consultation with the Director of TSB, as appropriate;*

*4 that TSAG consider the implications, for ITU-T, of market needs and new emerging technologies that have not yet been considered for standardization by ITU-T, establish an appropriate mechanism to facilitate the examination of their consideration, for example assigning Questions, coordinating the work of study groups or establishing coordination groups or other groups, and nominate their chairmen and vice-chairmen;*

*5 that TSAG consider the result of this assembly concerning GSS and take follow-up actions, as appropriate;*

*6 that a report on the above TSAG activities shall be submitted to the next WTSA.*

| Action Item | Action | Milestone | Periodic Goals Met | Completed |
| --- | --- | --- | --- | --- |
| [22-01](#Item22_01) | TSAG to consider results of WTSA concerning GSS, for appropriate action (Resolves 5) | 30-Apr-09 | ✓ |  |
| [22-02](#Item22_02) | TSAG to establish a technology watch mechanism (Resolves 4) | 30-Apr-09 |  | ✓ |
| [22-03](#Item22_03) | TSAG report on its activities under Resolution 22 to WTSA-12 (Resolves 6) | 30-Jun-12 |  | ✓ |

**Action Item 22-01: TSAG**

Done

6-Oct-09: An ITU-T Chief Technical Officer (CTO) event (per Resolution 68) was held on 6 October 2009 in conjunction with TELECOM. The communiqué from that meeting is posted on the ITU-T CTO Meeting website (<http://www.itu.int/dms_pub/itu-t/oth/3D/01/T3D010000020002MSWE.doc>) See also Resolution 68 on Evolving role of WTSA and high-level industry executive meeting.

The communiqué of the second CTO meeting, held 29 October 2010 in Paris, is posted on the ITU-T CTO website at <http://www.itu.int/dms_pub/itu-t/oth/3D/04/T3D040000030001MSWE.docx>.

**Action Item 22-02: TSAG**

Done

Technology Watch function has been established within TSB; no further action by TSAG was required. Also see [Resolution 66](#Item66_01) on creation of a Technology Watch function in TSB, and the list shown under [Action Item 66-02](#Item66_02) of Technology Watch and TechWatch Alert reports that have been published as of March 2010.

Technology Watch reports are being issued about every 2-3 months. A shorter version called TechWatch Alerts, a 3-5 page concise overview of new technology areas, has been instituted. A full list of all Technology Watch Reports and TechWatch Alerts is available on the ITU-T website at: <http://www.itu.int/ITU-T/techwatch/reports.html>.

**Action Item 22-03: TSAG**

See report in above action items.

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# Resolution 26 - Assistance to regional groups of Study Group 3

**Resolution 26**

*calls upon the Director of the Telecommunication Standardization Bureau*

*to cooperate with the Director of the Telecommunication Development Bureau in order to:*

*i) continue to provide specific assistance to the current and future regional groups of Study Group 3 for pursuing the study of the methods and/or methodologies and criteria to be used in setting rates and collection charges;*

*ii) encourage the continuing development of computerized application tools related to their cost methodology by the members of the regional groups of Study Group 3;*

*iii) take appropriate steps to facilitate meetings of the current and future regional groups of Study Group 3 and promote the necessary synergies between the two Sectors.*

| Action Item | Action | Milestone | Periodic Goals Met | Completed |
| --- | --- | --- | --- | --- |
| [26-01](#Item26_01) | Director, in cooperation with BDT Director, to provide cost model and related software developed by BDT for use of SG3 regional groups | ongoing | ✓ |  |
| [26-02](#Item26_02) | Director to grant fellowships for participation in regional groups of SG3 | ongoing | ✓ |  |

**Action Item 26-01: TSB**

4-Mar-09: Done for Regional Group of SG3 for Asia and Oceania, 4-6 March 2009 (Hanoi); 26-30 April 2010 (Beijing), 8-11 March 2011 (Phuket), 28-30 May 2012 (Bali); Regional Group of SG3 for Africa, 4-8 May 2009 (Maputo), 18-19 March 2010 (Dakar) , 19-20 May 2011 (Gaborone), 8-11 May 2012 (Cotonou); Regional Group of SG3 for Latin America and Caribbean, 23-26 June 2009 (Lima) ), 6-9 July 2010 (Santo Domingo), 15-18 February 2011 (San Salvador), 15-16 March 2012 (Asuncion). Software developed by BDT has been made available for countries to further develop for their own specific needs.

Revised Question 4/3 (modified former Q3/3), "Regional studies for the development of cost models together with related economic and policy issues", was approved by SG3, 19-23 January 2009, for the work of Regional Tariff Groups. See Circular Letter 43, 27 May 2009, at [http://www.itu.int/md/T09-TSB-CIR-0043](http://www.itu.int/md/T09-TSB-CIR-0043/en).

**Action Item 26-02: TSB**

Fellowships were granted in 2009, 2010, 2011 and 2012 for the following regional group meetings of SG3:

* SG3RG-AFR, Maputo, Mozambique; Dakar, Senegal; Gaborone, Botswana; and Cotonou, Benin;
* SG3RG-LAC, Lima, Peru; Santo Domingo, Dominican Republic; San Salvador, El Salvador; and Asuncion, Paraguay; and
* SG3RG-AO, Hanoi, Viet Nam; Beijing, China; Phuket, Thailand; and Bali.

In 2008, the groups met as follows:

SG3RG-AO: 16-18 January 2008, Jakarta, Indonesia. The meeting was attended by 49 participants from 9 countries. It produced 4 contributions to SG3 and 1 contribution to the ITR-EG.

SG3RG-AFR: 30-31 January 2008, Djibouti. The meeting was attended by 48 participants from 21 countries. It produced 5 contributions to SG3 and 1 contribution to the ITR-EG.

SG3RG-LAC: 20-22 February 2008, Tobago, Trinidad and Tobago. The meeting was attended by 46 participants from 19 countries. It produced 7 contributions to SG3 and 1 contribution to the ITR-EG.

In 2009, the groups met as follows:

SG3RG-AO: 5-6 March 2009, Hanoi, Vietnam. The meeting was attended by 60 participants from 9 countries. It was preceded by a seminar focusing on tariff issues and country case studies. It produced 1 contribution to SG3 and 1 contribution to the ITR-EG.

SG3RG-AFR: 6-8 May 2009, Maputo, Mozambique. The meeting was attended by 68 participants from 23 countries. It was preceded by a two-day seminar focusing on economics and finance aspects related to Programme 4 of the BDT Doha Action Plan. It produced 5 contributions to SG3 and 1 contribution to the ITR-EG.

SG3RG-LAC: 25-26 June 2009, Lima, Peru. The meeting was attended by 50 participants from 10 countries. It was preceded by a two-day seminar focusing on economic and financial aspects of telecommunications. It produced 2 contributions to SG3.

In 2010, the groups met as follows:

SG3RG-AFR: 18-19 March 2010, Dakar, Senegal. The meeting, following a seminar organized by BDT on tariff issues and country case studies, was attended by 90 participants from 22 countries. It produced 4 contributions to SG3.

SG3RG-AO: 27-28 April 2010, Beijing, China. The meeting, following a seminar organized by BDT on tariff issues and country case studies, was attended by 50 participants from 12 countries. It produced 4 contributions to SG3, 3 contributions to the CWG-WCIT12 and it agreed to send appropriate statements to regional regulatory and policy bodies.

SG3RG-LAC: 8-9 July 2010, Santo Domingo, Dominican Republic. The meeting, following a seminar organized by BDT on economic and financial aspects of telecommunications, was attended by 101 participants from 12 countries. It produced 3 contributions to SG3 and 1 contribution to the CWG-WCIT.

In 2011, the groups met as follows:

SG3RG-LAC: 17-18 February 2011, San Salvador, El Salvador. The meeting, following a seminar on economic and financial aspects of telecommunications organized by the Telecommunication Development Bureau (BDT), was attended by 75 participants from 12 countries. It approved 10 contributions to SG3 and a contribution to the CWG-WCIT.

SG3RG-AO: 10-11 March 2011, Phuket, Thailand. The meeting, following a seminar on tariff issues and country case studies organized by the Telecommunication Development Bureau (BDT) for SG3RG-AO member countries, was attended by 42 participants from 6 countries. It approved 4 contributions to SG3 and a contribution to the CWT-WCIT.

SG3RD-AFR: 19-20 May 2011, Gaborone, Botswana: The meeting, following a seminar on tariff issues and country case studies organized by the Telecommunication Development Bureau (BDT) for SG3RG-AFR member countries, was attended by 81 participants from 21 countries. It approved 4 contributions to SG3 and a contribution to the CWG-WCIT.

In 2012, the groups met as follows:

SG3RG-LAC: 15-16 March 2012, Asunción, Paraguay. The meeting, following a seminar on economic and financial aspects of telecommunications organized by the Telecommunication Development Bureau (BDT), was attended by 75 participants from 12 countries. It approved 2 contributions to SG3 and a contribution to the CWG-WCIT.

SG3RG-AO: 28-30 May 2012, Bali, Indonesia. The meeting, following a seminar on economic and financial aspects of telecommunications organized by the Telecommunication Development Bureau (BDT), was attended by 96 participants from 12 countries. It approved 3 contributions to SG3.

SG3RD-AFR: 08-11 May 2012, Cotonou, Benin. The meeting, following a seminar on economic and financial aspects of telecommunications organized by the Telecommunication Development Bureau (BDT), was attended by 100 participants from 30 countries. It approved 3 contributions to SG3 and a contribution to CWG-WCIT.

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# Resolution 29 - Alternative calling procedures on international telecommunication networks

**Resolution 29**

*resolves*

*1 that administrations and operating agencies authorized by Member States should take all reasonable measures, within the constraints of their national law, to suspend the methods and practices of call-back which seriously degrade the quality and the performance of the PSTN, such as constant calling (or bombardment or polling) and answer suppression;*

*2 that administrations and operating agencies authorized by Member States should take a cooperative and reasonable approach to respecting the national sovereignty of others, and suggested guidelines for this collaboration are attached;*

*3 to continue developing appropriate Recommendations concerning alternative calling procedures and, in particular, the technical aspects of the methods and practices of call-back which seriously degrade the quality and the performance of the PSTN, such as constant calling (or bombardment or polling) and answer suppression;*

*4 to request Study Group 2 to study other aspects and forms of alternative calling procedures, including refiling and non-identification;*

*5 to request Study Group 3 to study the economic effects of call-back on the effort of developing countries, including the least developed countries, small island developing states and countries with economies in transition, for sound development of their local telecommunication networks and services, and to evaluate the effectiveness of the suggested guidelines for consultation on call-back,*

*calls upon the Director of the Telecommunication Standardization Bureau*

*to cooperate with the Director of the Telecommunication Development Bureau in order to facilitate the participation of countries with economies in transition, developing countries, and especially least developed countries, in these studies and to take care of such studies.*

| Action Item | Action | Milestone | Periodic Goals Met | Completed |
| --- | --- | --- | --- | --- |
| [29-01](#Item29_01) | SG2 to study other aspects and forms of alternative calling procedures, including refiling and non-identification | ongoing |  |  |
| [29-02](#Item29_02) | SG3 to study the economic effects of call-back on the effort of developing countries for sound development of their local telecommunication networks and services, and to evaluate the effectiveness of the suggested guidelines for consultation on call-back | ongoing |  |  |
| [29-03](#Item29_03) | Director to grant fellowships for participation in the work of SG2 and SG3 on alternative calling procedures | ongoing | ✓ |  |

**Action Item 29-01 and 29-02: SG2 and SG3**

Studies on these subjects will take place subject to submission of contributions to SG2 and SG3. There is no activity to report in this study period.

**Action Item 29-03: TSB**

Done for meetings of SG2 (24 March-2 April 2009, Geneva; 16-24 November 2009, Geneva; 9-18 November 2010, Geneva; 1-10 June 2011, Geneva) and SG3 (19-23 Jan 2009, Geneva; 21-25 September 2009, Kampala, Uganda; 17-21 May 2010, Seoul, Republic of Korea; 28 March-1 April 2011, Geneva, Switzerland).

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# Resolution 31 - Admission of entities or organizations to participate as Associates in the work of ITU-T

**Resolution 31**

*resolves*

*1 that an interested entity or organization may join ITU-T as an Associate and be entitled to take part in the work of a selected single study group;*

*2 that Associates are limited to the study group roles described below and excluded from all others:*

*• Associates may take part in the process of preparing Recommendations within a study group, including the following roles: meeting participant, contribution submitter, Recommendation editor, and, during the alternative approval process, provider of comments during the Last Call period;*

*• Associates may have access to documentation required for their work;*

*• an Associate may serve as rapporteur, responsible for directing the studies for the relevant study Question within the selected study group, except for taking part in any decision-making or liaison activities which are to be handled separately, in accordance with No. 248B of the Convention;*

*3 that the amount of the financial contribution for Associates be based upon the contributory unit for Sector Members as determined by Council for any particular biennial budgetary period,*

*requests*

*1 the Secretary-General to admit entities or organizations to participate as Associates in the work of a given study group or subgroups thereof following the principles set out in Nos. 241B, 241C, 241D and 241E of the Convention;*

*2 the Telecommunication Standardization Advisory Group to review on an ongoing basis the conditions governing the participation (including financial impact on the Sector budget) of Associates based on the experience gained within ITU-T,*

*instructs the Director of the Telecommunication Standardization Bureau*

*to prepare the necessary logistics for the participation of Associates in the work of ITU-T, including possible impacts of study group reorganization*

| Action Item | Action | Milestone | Periodic Goals Met | Completed |
| --- | --- | --- | --- | --- |
| [31-01](#Item31_01) | TSAG to review conditions governing participation of Associates | ongoing | ✓ |  |
| [31-02](#Item31_02) | Director to prepare necessary logistics for participation of Associates | ongoing | ✓ |  |

**Action Item 31-01: TSAG**

Done

28 April 2009: TSAG (28-30 April 2009) reviewed Action Items for which it is responsible; no issues were identified in relation to participation of Associates.

**Action Item 31-02: TSB**

All necessary logistics have been provided.

Since the concept was introduced by WTSA-2000, the participation of Associates has grown steadily, reaching a total of 147 ITU-T Associates in June 2012. New Associates have joined all ITU-T Study Groups, but with Study Group 15 profiting the most. After a slight decline in 2009 and 2010, the number of Associates has continued to grow. The 2011 upsurge coincided with the launch of a membership service in TSB and a new membership strategy across ITU’s three Sectors to attract and retain members.

In addition, the automatic exclusion of Sector Members and Associates for non-payment of membership fees (as instructed by the revised provisions of Resolution 152 by PP-10) was suspended as of January 2011 by Council 2011, for a trial period of one year. Associates at risk of leaving were contacted and offered options, including financial installments, to maintain their membership, which resulted in a record low number of denunciations of Associates in 2012.

Originally created to increase the participation of small companies and entities located in developing countries in ITU-T, the Associate category has attracted more entities than Sector membership, including some large multinational companies. In financial terms, the rising number of new Associates has not compensated for the loss resulting from Sector members’ denunciations, which lead to a net decline in revenue coming from membership fees.

This issue is being examined as part of a broader review of Sector Membership. The Council Working Group on Financial and Human Resources was tasked by Council 2011 to prepare recommendations on potential reforms, in follow up to the outcomes of the 2010 Plenipotentiary Conference (PP-10).

The current list of Associates may be found at

<http://www.itu.int/cgi-bin/htsh/mm/scripts/mm.list?_search=ASSOCIATES&_languageid=1>.

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| End of Year | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012\* |
| Total number of Associates | 30 | 57 | 82 | 90 | 101 | 112 | 116 | 134 | 128 | 125 | 136 | 148 |

\* As of 15 June 2012

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | 2009 | 2010 | 2011 | 2012 |
| New Associates | 24 | 19 | 23 | 16 |
| Denounced Associates | 20 | 15 | 12 | 4 |
| Excluded Associates | 10 | 7 | - | - |
| Net Balance | -6 | -3 | +11 | +12 |

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# Resolution 32 - Strengthening electronic working methods for the work of ITU-T

**Resolution 32**

*resolves*

*1 that the principal EWM objectives of ITU-T are:*

*• that collaboration between members on development of Recommendations should be by electronic means;*

*• that ITU-T should provide facilities and capabilities for EWM at meetings;*

*• that TSB should provide all members of ITU-T with appropriate and ready access to electronic documentation for their work, including a global, unified and consolidated view of document traceability; and*

*• that TSB should provide appropriate systems and facilities to support the conduct of ITU T's work by electronic means;*

*2 that these objectives should be systematically addressed in an EWM Action Plan, including individual action items identified by the ITU-T membership or TSB, and prioritized and managed by TSB with the advice of the Telecommunication Standardization Advisory Group (TSAG),*

*instructs*

*1 the Director of TSB to:*

*• maintain the EWM Action Plan to address the practical and physical aspects of increasing the EWM capability of ITU-T;*

*• identify and review costs and benefits of the action items on a regular basis;*

*• report to each meeting of TSAG the status of the Action Plan, including the results of the cost and benefit reviews described above;*

*• provide the executive authority, budget within TSB, and resources to execute the Action Plan with all possible speed;*

*• develop and disseminate guidelines for the use of ITU-T EWM facilities and capabilities;*

*• take action, in order to provide appropriate electronic participation or observation facilities (e.g. webcast, audioconference, webconference/document sharing, videoconference, etc.) in ITU-T meetings for delegates unable to attend face-to-face meetings,*

*2 the TSAG EWM Working Party to continue to:*

* *act as the point of contact between ITU-T membership and TSB on EWM matters, in particular providing feedback and advice on the contents, prioritization and implementation of the Action Plan;*

*• identify user needs and plan the introduction of suitable measures through appropriate subgroups and pilot programmes;*

*• request study group chairmen to identify EWM liaisons;*

*• encourage participation by all participants in the work of ITU-T, especially EWM experts from TSAG, the study groups, TSB and appropriate ITU Bureaux and departments;*

*• continue its work electronically outside TSAG meetings as necessary to carry out its objectives.*

| Action Item | Action | Milestone | Periodic Goals Met | Completed |
| --- | --- | --- | --- | --- |
| [32-01](#Item32_01) | TSB to maintain EWM Action Plan with items related to the work of the members (e.g., work programme database, approval process) and users (e.g., Formal Description database, Test Signal database) | ongoing | ✓ |  |
| [32-02](#Item32_02) | TSB to report status of EWM Action Plan to each meeting of TSAG | ongoing | ✓ |  |
| [32-03](#Item32_03) | TSB to review and recommend new and revised capabilities of ITU-T tools and applicationsto each TSAG meeting | ongoing | ✓ |  |
| [32-04](#Item32_04) | TSB to report to ITU-T membership on enhancements in document access | ongoing | ✓ |  |
| [32-05](#Item32_05) | Director to develop budget estimate to implement EWM Action Plan; include in budget request to Council | 15-May-09 |  |  |
| [32-06](#Item32_06) | TSB to develop and disseminate guidelines for use of ITU-T EWM facilities and capabilities | ongoing | ✓ |  |
| [32-07](#Item32_07) | TSAG to provide feedback and advice on the EWM Action Plan to TSB at each meeting | ongoing | ✓ |  |
| [32-08](#Item32_08) | TSB to draft a guidelines document on “hybrid” meetings as more experience is gathered | ongoing | ✓ |  |

**Action Item 32-01: TSB**

28-Apr-09: EWM Action Plan is being maintained. The first report of this period was made to TSAG in April 2009 (28-30 April 2009) in TSAG [TD42](http://www.itu.int/md/T09-TSAG-090428-TD-GEN-0042/en). At that time, TSAG agreed to set up an EWM correspondence group under Mr Stephen Trowbridge, vice-chairman of TSAG.

February 2010 report on the EWM Action Plan is found in in section 4 of [TD95](http://www.itu.int/md/T09-TSAG-100208-TD-GEN-0095/en), the EWM report to TSAG, Feb’10, “Updates on Electronic Working Methods Services and Database Applications”.

EWM report to TSAG (8-11 February 2011) is found in TSAG TD203 ([http://www.itu.int/md/T09-TSAG-110208-TD-GEN-0203](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=T09-TSAG-110208-TD-GEN-0203) ) includes updates on:

* Liaison statement database (<http://www.itu.int/net/itu-t/ls/ols.aspx> )
* New version of the TSB Work Programme (<http://www.itu.int/ITU-T/workprog/>)

TSAG (8-11 February 2011) reported progress and an updated EWM Action List in TSAG TD246 ([http://www.itu.int/md/T09-TSAG-110208-TD-GEN-0246](http://www.itu.int/md/T09-TSAG-110208-TD-GEN-0246/en)). One suggestion was made to collect all information about electronic tools into a comprehensive user guide and TSB is drafting such a guide for possible internal use.

EWM report to TSAG (10-13 January 2012) is found in TSAG TD 293 (http://www.itu.int/md/T09-TSAG-120110-TD-GEN-0293), includes updates on:

• A new EWM Services page containing comprehensive information about ITU electronic tools, Frequently asked Questions (FAQs) and comprehensive user guides is available at: http://groups.itu.int/itu-t/EWMServices.aspx.

• A new version of SG 17 Approved ICT Security Standards Roadmap database is available (http://www.itu.int/ITU-T/security). This new version is faster, it supports search capacities, and its results can be exported into MS Word or Excel reports.

EWM report to TSAG (2-4 July 2012) is found in TSAG TD 400 (http://www.itu.int/md/T09-TSAG-120702-TD-GEN-0400), includes updates on the following:

• A new version of the ITU-T Recommendations and Supplements search website is available (http://www.itu.int/ITU-T/recommendations/) since April 2012. While search functionalities are kept, top menu and screens have been simplified to ease the navigation across ITU-T Recommendations, their respective editions, metadata and materials (associated work, approval process, patent statements, supplements, test signals, formal languages, implementer’s guide, etc.).

• The implementation of the QualityPie application according to Rec. ITU-T P.505 is available at http://www.itu.int/net/itu-t/qualitypie/workplace/index.php. This tool provides a novel quality representation methodology that is easy to use and understand for non-experts, and can serve as a basis for commercial decisions on a management or marketing level.

Plenipot-10 Resolution 167 (Strengthening ITU capabilities for electronic meetings and means to advance the work of the Union) also addresses implementation of electronic meetings, remote participation and associated procedures, and consultations with the Sector Advisory Groups.

**Action Item 32-02: TSB**

28 April 2009: EWM Action Plan is being maintained. Report made to TSAG (28-30 April 2009) in [TD42](http://www.itu.int/md/T09-TSAG-090428-TD-GEN-0042/en).

8 February 2010: Report to TSAG (Feb’10) in [TD95](http://www.itu.int/md/T09-TSAG-100208-TD-GEN-0095/en) includes reports on:

• Recommendation web interface

• Liaison statements database

• ITU-T Conformity Database

• New Informal FTP area system, including capability to allow selected document access by authorized GUEST accounts

• New Sharepoint Collaboration sites are available for groups of users who need to work together and share information and documents

• Increased use of web-conferencing tools: 120 e-meetings for 769 online attendees; used by most SGs and JCAs

• Statistics on paperless meetings and delegates working electronically

EWM report to TSAG (February 2011) is found in TSAG [TD203](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=T09-TSAG-110208-TD-GEN-0203) ([http://www.itu.int/md/T09-TSAG-110208-TD-GEN-0203](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=T09-TSAG-110208-TD-GEN-0203)) and includes updates on

* Meeting documents sync tool (Examples shown for [SG 11](http://www.itu.int/en/ITU-T/studygroups/com11/Pages/syncdocs.aspx), [SG 12](http://www.itu.int/en/ITU-T/studygroups/com12/Pages/syncdocs.aspx) and [SG 13](http://www.itu.int/en/ITU-T/studygroups/com13/Pages/syncdocs.aspx) )
* XML Project
* Rapid increase in the use of web conferencing tools: 346 e-meetings for 2580 registered attendees.
* Improved VoIP capability in GoToMeeting
* New ITU audio conferencing service with means for the audio connection to be made so the remote participant does not incur calling charges

EWM report to TSAG (10-13 January 2012) includes updates on the following completed Action Items shown in Section 5 of TSAG TD 293 (http://www.itu.int/md/T09-TSAG-120110-TD-GEN-0293)

• Establishment of the Direct Document Posting System which allows ITU-T members to reserver contribution numbers and to upload/revise contributions directly to the ITU-T web server.

• To improve delegate badging procedures, RFID badges are now provided to delegates. The badges can be used to gain access to the ITU building and other UN organizations. The badges can also be used for the E-lockers and the conference facilities in the Popov room.

• To address the requirement for Accessible electronic meetings, real-time captioning was provided to various meetings on accessibility. Several workshops and meetings were broadcasted online with captioning.

• In order to improve the organization of liaison statements and to satisfy the request of having a one-file incoming liaison statement transformed into a one-file TD, a tool has been made available for study groups since September 2011.

EWM report to TSAG (2-7 July 2012) shows the EWM Action Items in Section 5 of TSAG TD 400 (http://www.itu.int/md/T09-TSAG-120702-TD-GEN-0400/en). It includes updates on the following:

• All Action Items for the Study Period 2009-2012 have been done except for Accessible Electronic Meetings where more trials on the most suitable system for fully accessible electronic meetings are still on going.

• Ongoing activities will be kept and will be dealt with as required.

**Action Item 32-03: TSB**

28-Apr-09: A report was made to TSAG (28-30 April 2009) on the use of XML in ITU-T Recommendations (see TSAG [TD34](http://www.itu.int/md/T09-TSAG-090428-TD-GEN-0034/en)). TSB provided a “Roadmap for paperless meetings” to TSAG in TSAG [TD43](http://www.itu.int/md/T09-TSAG-090428-TD-GEN-0043/en).

Follow-up report on use of XML in ITU-T Recommendations is in [TD85](http://www.itu.int/md/T09-TSAG-100208-TD-GEN-0085/en) to TSAG, Feb’10 . An XML-based prototype system has been developed. About 95% of Recommendations published since 2007 have been converted with little or no human intervention.

A report on the XML tool is being prepared for submission to the Standardization Committee for Vocabulary.

[TSAG-TD/203](http://www.itu.int/md/T09-TSAG-110208-TD-GEN-0203/en) ([http://www.itu.int/md/T09-TSAG-110208-TD-GEN-0203](http://www.itu.int/md/T09-TSAG-110208-TD-GEN-0203/en)), Updates on Electronic Working Methods Services and Database Applications, contains information on EWM implementations. These include establishment of the liaison statements database, an enhanced work programme database, use of an application to synch meeting documents, XML extraction tool, updated WiFi system and improved facilities for hybrid and remote meetings.

TSAG TD 400 (http://www.itu.int/md/T09-TSAG-120702-TD-GEN-0400/en), EWM report to TSAG (2-4 July 2012) includes updates on tools and applications developed by TSB and ITU IS Departments:

• An improved quick link facility to create short URLs is near completion. Users will be able to create very short URLs (typically under 20 characters), in place of long and complex URLs found on some of the pages on the ITU web site.

• A new version of the International Numbering Resources Database is available from the ITU-T website since 6 June 2012. This database allows ITU members to have access to all the ITU-T E.212 related resources:

o mobile country code MCC

o mobile network code MNC

o International Mobile, shared codes

o MCC and MNC used extra-territorially

As for ISPC and SANC, this database is searchable on codes, countries/areas and operators, when relevant. Search results can be exported as MS Word or Excel files, and they can be bookmarked as favourites in a browser.

**Action Item 32-04: TSB**

There are regular demonstrations at SG meetings on enhancements in document access. Items regarding document access are part of the EWM Action Plan (see Action Item 32-01 above). A report on these matters was made to TSAG (28-30 April 2009) in TSAG-[TD42](http://www.itu.int/md/T09-TSAG-090428-TD-GEN-0042/en), to TSAG (8-11 February 2010) in TSAG-[TD95](http://www.itu.int/md/T09-TSAG-100208-TD-GEN-0095/en), to TSAG (8-11 February 2011) in [TSAG-TD203](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=T09-TSAG-110208-TD-GEN-0203), and to TSAG (2-4 July 2012) in [TSAG-TD400](http://www.itu.int/md/T09-TSAG-120702-TD-GEN-0400/en).

February 2011: A “sync application” enhancement for document access has been implemented. It was first used at the 2010 Plenipotentiary Conference and is now available for all ITU-T study group meetings. For a given study group, the sync application will automatically download to the user’s hard drive new Collective Letters, Contributions, Temporary Documents and Reports. For example, the ITU-T [SG13 sync application](http://www.itu.int/en/ITU-T/studygroups/com13/Pages/syncdocs.aspx) web page is at <http://www.itu.int/ITU-T/studygroups/com13>.

September 2011: The sync application has undergone revisions to improve the user interface. Following the request of some members, a version 2 of the Sync Application is now available for the Study Groups. Some of the improvements are:

* No installation needed to run the Sync application tool.
* More secure with the use of TIES Accounts.
* No more third party program required. This prevents unwanted pop-ups during operation.
* Safer and secure settings to prevent accidental modifications to the FTP area.
* Option to select which drive to download the documents.
* Display of the status of on-going and finished downloads.
* Report on the last synchronization.

A Direct Document Posting system was introduced, first for SG17, in August 2011, by which contributions are submitted, posted and automatically assigned a contribution number. It was developed to address the request of TSAG for a more automated document submission system that will reduce time to document posting. The direct posting system allows ITU-T members to reserve contribution numbers and to upload/revise contributions directly to the ITU-T web server. The new direct posting system complements the traditional document submission, which members may continue to use.

EWM report to TSAG (2-7 July 2012) is found in TSAG TD 400 (http://www.itu.int/md/T09-TSAG-120702-TD-GEN-0400/en) and it includes updates on the following enhancements in document access:

• A new and much improved version of the Meeting Documents Sync application which aims to optimize the download and synch times of documents has been developed by ITU C&P and is now available for upcoming Study Group meetings.

• The Liaison statement tracking which now makes it possible to see an exchange of LSs as a conversation (thread) from the ITU webpage. This feature was implemented in response to feedback received from members and is expected to improve and to facilitate LS tracking.

• Several enhancements were implemented to the Direct Document Posting system since the last TSAG meeting as a result of members’ feedback.

**Action Item 32-05: TSB**

28 Aug 2009: Rolling Four-Year Operational Plan, including resource requirements, was submitted to Council-2009 in document [C09/14-detailed](http://www.itu.int/council/C2009/pd/014detailed.doc)

9 August 2010: Rolling Four-Year Operation Plan (2011-2014), including resource requirements, was submitted to the final meeting of the 2010 session of Council in document [C10/100](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=S10-CL-C-0100)  ([http://www.itu.int/md/S10-CL-C-0100](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=S10-CL-C-0100%20) )

8-11 February 2011: Rolling Four-Year Operation Plan (2012-2015), including resource requirements, was submitted to TSAG (8-11 February 2011) in TSAG TD228 ([http://www.itu.int/md/T09-TSAG-110208-TD-GEN-0228](http://www.itu.int/md/T09-TSAG-110208-TD-GEN-0228/en)) and to Council 2011 in [C11/29](http://www.itu.int/md/S11-CL-C-0029/en) ([http://www.itu.int/md/S11-CL-C-0029](http://www.itu.int/md/S11-CL-C-0029/en) ). The Operational Plan (2012-2015) is also referenced in Council 2011 [C11/10](http://www.itu.int/md/S11-CL-C-0010/en) (Budget 2012-2013) ([http://www.itu.int/md/S11-CL-C-0010](http://www.itu.int/md/S11-CL-C-0010/en) ).

July 2012: Rolling Four-Year Operation Plan (2013-2016), including resource requirements, was submitted to Council 2012 in Document [C12/19](file:///C:\Users\yang\Documents\WTSA\WTSA%20Action%20Plan\C12\19) ([http://www.itu.int/md/S12-CL-C-0019](http://www.itu.int/md/S12-CL-C-0019/en)).

**Action Item 32-06: TSB**

TSB maintains a web site on Electronic Working Methods Facilities and Support at [http://www.itu.int/ITU-T/edh](http://www.itu.int/ITU-T/edh/index.html). Every study group home page has a hotlink to this EWM site. A list of [Frequently Asked Questions on EWM](http://www.itu.int/net/ITU-T/info/faqs.aspx?ewm=True) is also maintained by TSB. Among other items, it includes latest updates on Web conferencing tools.

The TSB Director requested in [Circular 150 (10 November 2010) (http://www.itu.int/md/T09-TSB-CIR-0150)](http://www.itu.int/md/T09-TSB-CIR-0150/en) that MSs, SMs and Associates confirm that those still receiving paper copies of circulars, collective letters and reports by post will support efforts to work electronically and to reduce the cost of paper mailings. By doing so, they can receive an electronic notice through the E-Mail Notification System (<http://www.itu.int/tiesutils/asp/notify.asp>?) when such documents are available for downloading from the ITU-T website.

TSAG (8-11 February 2011) reported progress and an updated EWM Action List in TSAG TD246 ([http://www.itu.int/md/T09-TSAG-110208-TD-GEN-0246](http://www.itu.int/md/T09-TSAG-110208-TD-GEN-0246/en)). One suggestion was made to collect all information about electronic tools into a comprehensive user guide and TSB is drafting such a guide for possible internal use.

EWM report to TSAG (10-13 January 2012) found in TSAG TD 293 (http://www.itu.int/md/T09-TSAG-120110-TD-GEN-0293/en) includes an update on a new EWM Services webpage containing comprehensive information about ITU electronic tools, Frequently Asked Questions (FAQs) and comprehensive user guides. It is available at: <http://groups.itu.int/itu-t/EWMServices.aspx>.

**Action Item 32-07: TSAG**

Resolution 32, Instructs 2, addresses actions for an EWM Working Party in TSAG. However, instead of a Working Party the 28-30 April 2009 TSAG set up a correspondence group on Working Methods, including EWM, under Mr Stephen Trowbridge, vice-chairman of TSAG. The mailing list is at [09tsagwm@lists.itu.int](mailto:t%2009tsagwm@lists.itu.int). A TSAG EWM Working Party has not been established. The ad hoc group on Working Methods, including EWM, met during TSAG, 8-11 Feb 2010. Its report is in TSAG TD140 ([http://www.itu.int/md/T09-TSAG-100208-TD-GEN-0140](http://www.itu.int/md/T09-TSAG-100208-TD-GEN-0140/en)). The EWM Action Item list appears in Annex A, with 8 Ongoing Items and 9 Action Items.

The report to TSAG in 8-11 February 2011 is in [TSAG TD203](http://www.itu.int/md/T09-TSAG-110208-TD-GEN-0203/en) ([http://www.itu.int/md/T09-TSAG-110208-TD-GEN-0203](http://www.itu.int/md/T09-TSAG-110208-TD-GEN-0203/en)). The updated EWM Action Item list appears in section 4 of the report.

**Action Item 32-08: TSB**

Plenipot-2010 Resolution 167 (Strengthening ITU capabilities for electronic meetings and means to advance the work of the Union) also addresses implementation of electronic meetings, remote participation and associated procedures, and consultations with the Sector Advisory Groups.

TSB, in collaboration with the other Bureaux and General Secretariat, is collecting data from on-line workshops and meetings with the goal to prepare an ITU guide for “hybrid” (i.e., both face-to-face and remote participant) meetings.

Almost all ITU-T study groups are now using online meetings as part of their regular working methods. For the period January to December 2010, 346 sessions were held with a total duration of 896 hours (equivalent to 112 8-hour working days) and online participation from 769 attendees. Various meetings also regularly provide real-time captioning used as an accessibility accommodation for local and remote participants with hearing difficulties. (Excerpt from C11/ 37, clause 2.2.1)

Experience in holding e-meetings has been increased. For example, in the first half of 2011, there were 208 e-meetings with 1494 online participants. During the same period in 2010, there were 173 e-meetings with 1290 online participants, showing an increase of 16% in the number of online participants and a 20% increase in the number of e-meetings. ITU is also providing an audio conferencing service as an option for participants to use during online meetings.

As of mid-2011, dedicated e-meeting organizer accounts for GoToMeeting have been created by TSB for some study groups. The GoToMeeting organizer account can be used to schedule, run and end an online meeting without any intervention from TSB. The advantages of having an organizer account include:

* The organizer can schedule a GoToMeeting at any day or time as required without being limited to the ITU Geneva working hours followed by TSB-established sessions.
* The organizer has full control of the account and can make any changes/updates to the e-meeting sessions as required.

Captioning has been provided for some meetings. More details are reported under WTSA-08 [Action Item 70-03](#Item70_03).

EWM report to TSAG (10-13 January 2012) found in TSAG TD 293 (http://www.itu.int/md/T09-TSAG-120110-TD-GEN-0293/en) includes updates on a new EWM Services site containing comprehensive information about ITU electronic tools, Frequently asked Questions (FAQs) and comprehensive user guides is available at: http://groups.itu.int/itu-t/EWMServices.aspx. Included in this new EWM Services website are the E-meeting Guidelines pages detailing the different e-meeting facilities, remote participation systems, ITU meeting room facilities and conference bridge/audio options available for the members. It also contains user guides, tutorials, videos, tips and other useful information on electronic meetings and remote participation tools provided by ITU to address Resolution 167 of the 2010 Plenipotentiary Conference ‘Strengthening ITU capabilities for electronic meetings and means to advance the work of the Union’. The E-meetings Guidelines page is available at: <http://groups.itu.int/itu-t/EWMServices/Emeetings.aspx>.

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# Resolution 33 - Guidelines for ITU-T strategic activities

**Resolution 33**

*resolves to invite Member States and Sector Members*

*to continue contributing their insights on the strategic plan and priorities of ITU-T to the TSAG strategic planning process,*

*instructs the Telecommunication Standardization Advisory Group*

*1 to monitor the Sector's work during the current study period in light of the current strategic plan adopted in Resolution 71 (Rev. Antalya, 2006) and the evolution of the telecommunication environment, including:*

*• setting appropriate priorities during the course of the study period in order to achieve the Sector's objectives against which the performance of the Sector can be measured;*

*• obtaining regular reports from study group chairmen and other responsible entities as to the achievement of such priorities;*

*• implementing appropriate action to enable priorities and strategic objectives to be amended in light of changes in the telecommunication environment, or non-achievement of anticipated events;*

*• evaluating the continuing relevance and applicability of the current plan and proposing the necessary changes, as required;*

*2 to prepare proposals to assist in preparation of the Union's draft strategic plan for the coming study period that duly reflect:*

*• the seven main objectives in the current strategic plan that continue to be relevant;*

*• new and converging technologies, their priority outcomes and the need to develop, rapidly and reliably, appropriate global standards;*

*• ongoing and new changes in the telecommunication environment;*

*• the need to define clearly, and establish broadly, formal relationships with the broadest practicable population of international, regional and other standardization bodies, based on guidelines already agreed in relevant ITU-T A-series Recommendations, and to implement the relevant conclusions of the Global Standards Symposium (GSS), in accordance with Resolution 122 (Rev. Antalya, 2006) of the Plenipotentiary Conference;*

*• the ongoing evolution in the role of ITU-T to an increasingly inclusive and market-oriented organization that coordinates and cooperates with, and draws upon the work of, other relevant entities, in order to accelerate the efficient development of internationally useful standards;*

*• the implementation of Resolution 123 (Rev. Antalya, 2006) of the Plenipotentiary Conference on bridging the standardization gap between developed and developing countries, including the least developed countries, small island developing states and countries with economies in transition.*

| Action Item | Action | Milestone | Periodic Goals Met | Completed |
| --- | --- | --- | --- | --- |
| [33-01](#Item33_01) | MSs and SMs to contribute to TSAG strategic planning process | 17Apr-09  Feb10  and ongoing |  |  |
| [33-02](#Item33_02) | TSAG to monitor Sector's work, setting priorities and implementing appropriate actions at each meeting | ongoing | ✓ |  |
| [33-03](#Item33_03) | TSAG to prepare proposals for action by WTSA-2012 | 13-Jul-12 |  | ✓ |
| [33-04](#Item33_04)R1 | TSAG to prepare proposals for preparation of the Union's strategic plan; begin drafting ITU-T portion of Strategic Plan at April 2009 meeting | 01-Feb-10 |  | ✓ |
| [33-05](#Item33_05)R1 | TSAG to prepare proposals for preparation of the Union's strategic plan for reporting to Council 2010 | 01-Feb-10 | Reported to C-10 | ✓ |

**Action Item 33-01: MS and SM**

30-Apr-09: A correspondence group was formed under Mr Haruo Okamura, Vice-chairman of TSAG to gather input on drafting ITU-T portion of Strategic Plan. The mailing list for the correspondence group is at [t09tsagsop@lists.itu.int](mailto:t09tsagsop@lists.itu.int)

**Action Item 33-02: TSAG**

30 April 2009: TSAG endorsed revisions to 5 Questions from SGs 2, 5, 9, 15, 16; moved Q19/15 to SG5; revised the mandate of SG5 and approved the relevant amendment to Resolution 2.

30-Apr-09: TSAG reviewed the Joint Coordination Activities (JCA’s) on IPTV (IP Television), NGN (Next Generation Network), IdM (Identity Management), NID (Network Aspects of Identification systems, including RFID), Mgt (Management), AHF (Accessibility and Human Factors), CIT (Conformance and Interoperability Testing), HN (Home Networking) including approval of revised ToR for five of these JCAs. TSAG also endorsed that future JCA Terms of Reference will indicate that they are consistent with Recommendation ITU-T A.1 clause 2.2.1. Listing of all JCAs is found at [http://www.itu.int/ITU-T/jca](http://www.itu.int/ITU-T/jca/index.html)

30-Apr-09: TSAG instructed Chairmen of SGs comprising Global Standards Initiatives (GSI's) to review the terms of reference of the GSIs taking into consideration clause 2.2 of Recommendation ITU-T A.1

11 February 2010: TSAG endorsed proposed new Questions (Q14/9) and revised Questions (Q7/2, Q16/13) . New Q 14/9 was approved by SG9 as announced in [CL 218](http://www.itu.int/md/T09-TSB-CIR-0218/en) ([http://www.itu.int/md/T09-TSB-CIR-0218](http://www.itu.int/md/T09-TSB-CIR-0218/en))

11-Feb-10: TSAG endorsed continuation of JCA-Mgt and JCA-ICT&CC (ICT and Climate Change); appointed co-chairs of JCA-HN; terminated JCA-IdM (under TSAG) with an invitation for SG17 to consider a new JCA-IdM under SG17; endorsed objectives of JCA-NID for 2010; liaised with ITU-R SG1 for involvement in JCA-NID; approved recommendation not to join GRIFS Forum. TSAG approved discontinuation of the IdM-GSI; endorsed modified ToRs for NGN-GSI and IPTV-GSI. TSAG approved creation and Terms of Reference (ToR) for a Focus Group on Smart Grid ([TSAG R-3](http://www.itu.int/md/T09-TSAG-R-0003/en), Annex H) and Cloud Computing ([TSAG R-3](http://www.itu.int/md/T09-TSAG-R-0003/en), Annex I). TSAG will be parent body for these two FGs.

11-Feb-2011: TSAG endorsed proposed new Question (Q18/12) and revised Questions (Q11, 13/12). TSAG endorsed the new Questions Q22/13 (merger of Q8/13 and Q11/13), Q24/13 (merger of Q13/13 and Q14/13) and Q25/13 (merger of Q1/13 and Q2/13). TSAG approved Questions Q24/13 and Q25/13. TSAG noted new Question Q5/16 and endorsed revised Question Q27/16. TSAG endorsed new Questions Q22/5 and Q23/5. TSAG agreed to change the name of JCA-NID to JCA-IoT (Internet of Things) with a new scope and Terms of Reference ([TSAG R-4](http://www.itu.int/md/T09-TSAG-R-0004/en), Annex C). TSAG agreed to establish an IoT-GSI (Global Standards Initiative on Internet of Things ([TSAG R-4](http://www.itu.int/md/T09-TSAG-R-0004/en), Annex D).TSAG endorsed the continuation of JCA-HN (Home Networking), continuation of JCA-ICT&CC, revised Terms of Reference of the JCA-Mgt.TSAG agreed that the FG-Smart (Grid) and the FG-Cloud both continue until December 2011.

13-Jan-2012: TSAG

* noted that JCA-Mgt was terminated on 19 August 2011.
* designated SG13 as the lead study group to coordinate activities related to cloud computing and established a JCA on cloud computing with SG13 as parent group (see [TSAG R-5](http://www.itu.int/md/T09-TSAG-R-0005/en), Annex A).
* established a joint JCA on Smart Grid and Home Networking (JCA-SG&HN) replacing the existing JCA-HN(see [TSAG R-5](http://www.itu.int/md/T09-TSAG-R-0005/en), Annex B).
* extended lifetime of the Focus Group on Driver Distraction until December 2012.
* established a Focus Group on “Bridging the Gap: from Innovations to Standards” (FG Innovation) (see [TSAG R-5](http://www.itu.int/md/T09-TSAG-R-0005/en), Annex E).
* established a Focus Group on M2M Service Layer (FG M2M) (see [TSAG R-5](http://www.itu.int/md/T09-TSAG-R-0005/en), Annex C).
* Established a Focus Group on Disaster Relief Systems, Network Resilience and Recovery (FG-DR&NRR) (see [TSAG R-5](http://www.itu.int/md/T09-TSAG-R-0005/en), Annex D)
* endorsed the merger of Question 13/9 with Question 1/9 into revised Question 1/9 “Transmission of television and sound programme signal for contribution, primary distribution and secondary distribution.”
* endorsed the merger of Question 17/5 and Question 20/5 into revised Question 17/5 “Energy efficiency for ICT equipment and Climate Change standards harmonization”.
* endorsed the new Question 16/11 “Protocol procedures relating to specific services over IPv6”
* endorsed the splitting of Q4/15 into three Questions:
  + Q4a "Broadband access over metallic conductors" (including a draft Rec. ITU-T G.fast);
  + Q4b "Broadband home networking";
  + Q4c "Communications for smart grid" (including narrowband wireless solutions)

**Action Item 33-03: TSAG**

TSAG will prepare proposals for WTSA-12

**Action Item 33-04 and 33-05: TSAG**

30-Apr-09: A correspondence group was formed under Mr Haruo Okamura, Vice-chairman of TSAG to gather input on drafting ITU-T portion of Strategic Plan. The mailing list for the correspondence group is at [t09tsagsop@lists.itu.int](mailto:t09tsagsop@lists.itu.int).

TSAG (Feb 2010) considered contributions made to the Council WG and from the General Secretariat, and approved a draft of the ITU-T portion of the Strategic Plan to be submitted to Council-2010 (see TSAG [TD/148](http://www.itu.int/md/dologin_md.asp?lang=en&id=T09-TSAG-100208-TD-GEN-0148!!MSW-E), Annex B )

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# Resolution 34 - Voluntary contributions

**Resolution 34**

*resolves*

*1 to encourage the financing of specific projects, focus groups or other new initiatives, including any activities which help achieve the objectives of Resolution 44 of this assembly on bridging the standardization gap, by voluntary contributions;*

*2 to invite Member States, Sector Members and Associates from both developing and developed countries to submit to the Director of the Telecommunication Standardization Bureau projects and other initiatives of interest for ITU-T to be financed under voluntary contributions.*

| Action Item | Action | Milestone | Periodic Goals Met | Completed |
| --- | --- | --- | --- | --- |
| [34-01R1](#Item34_01) | Director to solicit Voluntary Contributions for specific activities, e.g., projects, meetings, workshops | ongoing |  |  |
| [34-02](#Item34_02) | TSB presentations at workshops, regional meetings and other promotional events to include encouragement of voluntary contributions to fund new initiatives (also see Resolution 44) | ongoing |  |  |

**Action Item 34-01: TSB**

This Action Item has been revised, as a generic Circular Letter soliciting voluntary contributions is not deemed to be as effective as a request for voluntary contributions associated with the announcement of a specific initiative or project. For example, it is noted that voluntary contributions have been received for the Bridging the Standardization Gap fund (see <http://www.itu.int/ITU-T/gap/>), and an additional example is noted in the TSB Director's contribution to Council WG-FINREGS, [WG-RG-17/13](http://www.itu.int/md/S10-RFINREGS-C-0013/en) on admission of academia:"A pilot project could be conducted to offer a couple of research fellowships in 2010 financed by external voluntary contributions exclusively."

TSB submitted a document, TSAG [TD116](http://www.itu.int/md/dologin_md.asp?lang=en&id=T09-TSAG-100208-TD-GEN-0116!!MSW-E), to the February 2010 meeting of TSAG concerning resource limitations, in particular with regard to regional groups created under WTSA Resolution 54 (Johannesburg, 2008).

There is an MoU with TTA of Korea under which voluntary contributions have been made to support BSG events in 2009, 2010, 2011 and 2012.

**Action Item 34-02: TSB**

Ongoing.

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# Resolution 35 - Appointment and maximum term of office for chairmen and vice-chairmen of ITU-T study groups and of TSAG

**Resolution 35**

*resolves*

*1 that candidates for the posts of chairmen and vice chairmen of the ITU-T study groups and candidates for the posts of chairman and vice chairmen of TSAG should be appointed according to the procedures given in Annex A to this resolution and the qualifications given in Annex B to this resolution;*

*2 that candidates for the posts of study group chairmen and vice chairmen and candidates for the posts of chairman and vice chairmen of TSAG should be identified, taking into account that, for each study group and for TSAG, WTSA will appoint the chairman and only the number of vice chairmen deemed necessary for the efficient and effective management and functioning of the group in question;*

*3 that nominations for the posts of study group chairmen and vice chairmen or for a post of chairman and vice chairmen of TSAG should be accompanied by a biographical profile highlighting the qualifications of the individuals proposed and that the Director of the Telecommunication Standardization Bureau will circulate the profiles to the heads of delegation present at WTSA;*

*4 that the term of office for both chairmen and vice chairmen should be limited so as to terminate at the end of the WTSA at which they will have served for a period of more than seven years;*

*5 that the term of office in one appointment does not count towards the term of office for another appointment and that steps should be taken to provide some continuity between chairmen and vice chairmen;*

*6 that the counting of a term of office is effective from WTSA-2000 and is not retrospective*

| Action Item | Action | Milestone | Periodic Goals Met | Completed |
| --- | --- | --- | --- | --- |
| [35-01](#Item35_01) | Director to issue Circular soliciting candidates for SG chairmen and vice chairmen | 31-Jan-12 |  | ✓ |

**Action Item 35-01: TSB**

The invitation to submit candidates for study group chairmen and vice chairmen has been issued on 25 January 2012 ([TSB Circular 251](http://www.itu.int/md/T09-TSB-CIR-0251/en), [http://www.itu.int/md/T09-TSB-CIR-0251](http://www.itu.int/md/T09-TSB-CIR-0251/en)). An addendum with invitation to submit candidates for the Standardization Committee for Vocabulary (SCV) was issued 18 June 2012.

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# Resolution 38 - Coordination among ITU-T, ITU-R and ITU-D for activities relating to IMT

**Resolution 38**

*resolves*

*1 that ITU-T maintain a roadmap for all of its standardization activities relating to IMT;*

*2 that the effective coordination currently established between ITU-T, ITU-R and ITU-D for activities relating to IMT be continued so as to ensure full alignment and harmonization of the work programmes, including the roadmaps, of the three Sectors,*

*instructs the Director of the Telecommunication Standardization Bureau*

*to bring this resolution to the attention of the Director of the Radiocommunication Bureau (BR) and the Director of the Telecommunication Development Bureau (BDT),*

*encourages the Directors of the three Bureaux*

*to investigate new ways to improve the efficiency of ITU work on IMT.*

| Action Item | Action | Milestone | Periodic Goals Met | Completed |
| --- | --- | --- | --- | --- |
| [38-01](#Item38_01) | TSB to investigate ITU-R program for future issues of the Handbook on deployment of IMT and to communicate to SG 13 | 30-May-09 | ✓ |  |
| [38-02](#Item38_02) | TSB and SG 13 to participate in creation of the roadmap for all standardization activities related to IMT in accordance to each ITU Sector’s responsibilities. | ongoing | ✓ |  |

**Action Item 38-01: TSB**

Done:

LSs exchange with ITU-R and ITU-D is an ongoing effort.

Information on ITU-R Handbook was obtained.

Investigations were also expanded to include ITU-D programmes on IMT and the following information was obtained:

* ITU-D Guidelines: “[Guidelines on the smooth transition of existing mobile networks to IMT-2000 for developing countries (GST)](http://www.itu.int/dms_pub/itu-d/opb/stg/D-STG-SG02.18-1-2006-PDF-E.pdf)” (2006) (<http://www.itu.int/dms_pub/itu-d/opb/stg/D-STG-SG02.18-1-2006-PDF-E.pdf>)
* “[Supplement to Guidelines on the Smooth Transition of existing mobile networks to IMT-2000 for developing countries](http://www.itu.int/md/D06-SG02-C-0248/en)” (27 October 2009) ([http://www.itu.int/md/D06-SG02-C-0248](http://www.itu.int/md/D06-SG02-C-0248/en))

In Nov 2010 ITU-R WP 5D sent a [liaison](http://www.itu.int/md/T09-SG13-110117-TD-WP2-0169/en) ([http://www.itu.int/md/T09-SG13-110117-TD-WP2-0169](http://www.itu.int/md/T09-SG13-110117-TD-WP2-0169/en)) to ITU-T SG13 (Q13/13) with a progress update on development of the Handbook on Global Trends in IMT.

ITU-R WP-5D (May 2011) followed up with another [liaison](http://www.itu.int/md/T09-SG13-110520-TD-GEN-0209/en) to ITU-T SG13 at its August 2011 meeting ([http://www.itu.int/md/T09-SG13-110520-TD-GEN-0209](http://www.itu.int/md/T09-SG13-110520-TD-GEN-0209/en)) with a proposal for a joint handbook on “Global Trends in IMT” which would cover satellite components and backhaul.

Jan 2011: Details for the work programme on the ITU-T Q.13/13 product “Scenarios for migration of NGN with enhanced network capability” is found at <http://www.itu.int/ITU-T/workprog/wp_item.aspx?isn=7275>. The most recent text (September 2010) is found at [http://www.itu.int/md/T09-NGN.GSI-100906-TD-GEN-0529](http://www.itu.int/md/T09-NGN.GSI-100906-TD-GEN-0529/en) . Questions 13/13 “Step-by-step migration to NGN networks” and 14/13 “Service scenarios and deployment models of NGN” were merged into new Question 24/13 "Service scenarios, deployment models and migration issue" at the 17-28 January 2011 meeting of SG13. The text of new Q24/13 is found in Circular [CL167](http://www.itu.int/md/T09-TSB-CIR-0167/en) ([http://www.itu.int/md/T09-TSB-CIR-0167](http://www.itu.int/md/T09-TSB-CIR-0167/en) ). The published version of this Q.24/13 (former Q.13/13) output, dated January 2011, is found at [http://www.itu.int/rec/T-REC-Y.Sup13](http://www.itu.int/rec/T-REC-Y.Sup13/en) .

ITU-D (Q25/2) expressed interest in cooperative work with SG13 and their intention to use information from SG13 in a proposed “Global Trends in IMT” Handbook being prepared by ITU-T SG2.

The work done to date by Q.15/13 “Applying IMS and IMT in developing country mobile telecom networks” is found at [http://www.itu.int/md/T09-SG13-100419-TD-WP1&question=Q15/13](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=T09-SG13-100419-TD-WP1&question=Q15/13) .

The handbook "[Converging Networks (2010)](http://www.itu.int/publ/T-HDB-IMPL.07-2010/en)" has been published by TSB and is available for purchase at [http://www.itu.int/publ/T-HDB-IMPL.07-2010](http://www.itu.int/publ/T-HDB-IMPL.07-2010/en)

Q.15/13 agreed to contribute to the development of ITU-D “Handbook on Global Trends in IMT”.

**Action Item 38-02: TSB and SG13**

Done:

Roadmap information is being maintained via the texts of the seven Questions transferred from former ITU-T SG19 to ITU-T SG13.

ITU-T website on IMT-2000 Network Aspects (<http://www.itu.int/ITU-T/imt-2000/network.html>) was last updated for September 2011 by TSB

ITU-D SG2, Question 22/2 (Migration from existing networks to next-generation networks for developing countries: technical, regulatory and policy aspects) sent a [liaison](http://www.itu.int/md/T09-SG13-110117-TD-GEN-0184/en) ([http://www.itu.int/md/T09-SG13-110117-TD-GEN-0184](http://www.itu.int/md/T09-SG13-110117-TD-GEN-0184/en)) to ITU-T SG13(January 2011) regarding its work and requesting continued exchange of information on NGN physical architecture and network elements.

August 2011:

ITU-R WP 5C proposed in a [liaison](http://www.itu.int/md/T09-SG13-111010-TD-GEN-0222/en) to ITU-T SG13 to revise together or to develop a new version of [Report ITU-R F.2060](http://www.itu.int/pub/R-REP-F.2060) “Fixed service use in the IMT-2000 transport network” ([http://www.itu.int/md/T09-SG13-111010-TD-GEN-0222](http://www.itu.int/md/T09-SG13-111010-TD-GEN-0222/en) ). [ITU-R Report F.2060](http://www.itu.int/pub/R-REP-F.2060) is found at <http://www.itu.int/pub/R-REP-F.2060>.

ITU-R WP 1B, in a [liaison](http://www.itu.int/md/T09-SG13-111010-TD-GEN-0226/en) to ITU-T SGs 13, 16 and 17, asks for review of its draft “Technical characteristics, standards, and frequency bands of operation for RFID and potential harmonization opportunities” ([http://www.itu.int/md/T09-SG13-111010-TD-GEN-0226](http://www.itu.int/md/T09-SG13-111010-TD-GEN-0226/en)). ITU-R WP1B expects this Report to be approved in June 2012.

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# Resolution 40 - Regulatory aspects of ITU-T work

**Resolution 40**

*resolves*

*1 that, when determining whether a Question or Recommendation has policy or regulatory implications, particularly Questions or Recommendations which relate to tariff and accounting issues and relevant numbering and addressing issues, study groups shall more generally consider possible topics such as:*

* + *the right of the public to correspond;*
  + *protection of telecommunication channels and installations;*
  + *use of the limited natural resources of numbering and addressing;*
  + *naming and identification;*
  + *secrecy and authenticity of telecommunications;*
  + *safety of life;*
  + *practices applicable to competitive markets; and*
  + *any other relevant matters, including those identified by a decision of Member States, or recommended by TSAG, or Questions or Recommendations where there is any doubt about their scope;*

*2 to request TSAG to consult Member States on any relevant issues other than those specified above,*

*invites Member States*

*to contribute actively to the work to be carried out on this matter.*

| Action Item | Action | Milestone | Periodic Goals Met | Completed |
| --- | --- | --- | --- | --- |
| [40-01](#Item40_01) | Study Groups to consider the Resolution when determining whether a Question or Recommendation has policy or regulatory implications | ongoing |  |  |

**Action Item 40-01: SGs**

Study groups have applied appropriate Resolutions (e.g., Resolution 1, Resolution 2, Resolution 40) to decide which approval process should be utilized for draft Recommendations

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# Resolution 43 - Regional preparations for WTSAs

**Resolution 43**

*resolves to instruct the Director of the Telecommunication Standardization Bureau*

*to maintain the organization, within the financial limitations established by the Plenipotentiary Conference, of one regional preparatory meeting per region, the closest in time possible to the next WTSA, followed by an informal meeting of the chairmen and vice-chairmen of the regional preparatory meetings and other interested parties, to be held not earlier than six months prior to WTSA,*

*invites the Secretary-General, in cooperation with the Directors of the Bureaux of the three Sectors*

*1 to consult with Member States and regional and subregional telecommunication organizations on the means by which assistance can be provided in support of their preparations for future WTSAs, including support for the organization of a "Bridging the Standardization Gap Forum" per region to address major issues of the next WTSA of interest to developing countries ;*

*2 on the basis of such consultations, to assist Member States and regional and subregional telecommunication organizations in such areas as:*

*i) the organization of informal regional and interregional preparatory meetings, and formal regional preparatory meetings if a region so requests;*

*ii) the identification of major issues to be resolved by the next WTSA;*

*iii) the development of coordination methods;*

*iv) the organization of information sessions on expected work for WTSA;*

*3 to submit, no later than the 2009 session of the ITU Council, a report on feedback from Member States concerning WTSA regional preparatory meetings, their results and the application of this resolution,*

*invites Member States*

*to participate actively in the implementation of this resolution,*

*invites regional and subregional telecommunication organizations*

*1 to participate in coordinating and harmonizing the contributions of their respective Member States in order to generate common proposals where possible;*

*2 to convene, if possible, informal interregional meetings in order to arrive at interregional common proposals.*

| Action Item | Action | Milestone | Periodic Goals Met | Completed |
| --- | --- | --- | --- | --- |
| [43-01](#Item43_01) | Director to organize, at the request of the region, one regional preparatory meeting per region for WTSA-12 between 6 months and 9 months before WTSA-12 | 30-Sep-11 |  | ✓ |
| [43-02](#Item43_02) | Director to invite Secretary General to consult Member States and regional telecommunication organizations on the means by which their preparations for WTSA-12 can be supported, including support for a Bridging the Standardization Gap Forum per region. | 30-Jun-11 | ✓ |  |
| [43-03](#Item43_03) | Director to submit a report to Council on feedback from MSs concerning regional preparatory meetings for WTSA-08. | 01-Sep-09 |  | ✓ |

**Action Item 43-01: TSB**

Regional preparatory meetings have been organized prior to WTSA-12.

Note that PP-10 Resolution 58, “Strengthening of relations between ITU and regional telecommunication organizations and regional preparations for the Plenipotentiary Conference” also resolves “(1) that the Union should continue developing stronger relations with regional telecommunication organizations, including the organization of six ITU regional preparatory meetings for plenipotentiary conferences, as well as other Sector conferences and assemblies, as necessary”

TSB should begin contacting the regional telecommunication organizations by 2Q’11 to request their schedules to hold WTSA-12 regional preparatory meetings so they can be coordinated with other meetings to be held between approximately 6 to 12 months before WTSA-12.

A report on the Preparatory Process for WTSA-12 and WCIT-12 was submitted to TSAG (8-11 February 2011) in [TSAG TD/204](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=T09-TSAG-110208-TD-GEN-0204) ([http://www.itu.int/md/T09-TSAG-110208-TD-GEN-0204](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=T09-TSAG-110208-TD-GEN-0204) ). Interest in hosting WTSA-12 has been expressed by a Member State, but pending an official invitation to host the Assembly, the following dates have been reserved at CICG in Geneva:

* Global Standards Symposium: 5 November 2012
* WTSA-12: 6 to 15 November 2012
* WCIT-12: 19 to 23-30 November 2012

Subsequent to February 2011, it was announced that GSS, WTSA-12 and WCIT-12 will be held in 19 Nov, 20-29 Nov, and 3-14 Dec 2012 respectively in the United Arab Emirates.

Council WG-WCIT will be the preparatory process for WCIT-12. Meetings of CWG-WCIT are scheduled:

* 4-6 April 2011
* 28-30 September 2011 (just prior to other CWGs)
* 27-29 February 2012
* 23-25 April 2012 and
* 20- 22 June 2012 (just after other CWGs)

TSB recommends a series of regional preparatory meetings with time allocated for a Regional Development Forum on Bridging the Standardization Gap, WTSA-12 and WCIT-12.

As of June 2012, regional preparatory meetings held and planned for WTSA-12 and WCIT-12 are:

ATU: 1st preparatory meeting for WTSA and WCIT: 14-17 Nov 2011 (Cairo, Egypt)

2nd preparatory meeting for WTSA and WCIT: 21-24 May 2012 (Durban, South Africa)

APT: 1st preparatory meeting for WTSA and WCIT: 27 May 2011 (Bangkok, Thailand)

2nd preparatory meeting for WTSA and WCIT: 27-28 and 28-29 Oct 2011 (Manila, Philippines), following 24-26 Oct 2011 meeting of ASTAP

3rd preparatory meeting for WTSA and WCIT, 19-24March 2012 (Cairns, Australia)

CITEL: PCC.1 meeting on WCIT: 30 Aug – 2 Sept 2011 (Mar del Plata, Argentina)

Special Meeting of CITEL Rapporteurship on preparation for WTSA and WCIT, 13-16 December 2011, Washington, D.C., USA

Americas Regional Preparatory meeting for WTSA and WCIT, 14-15 May 2012 (Buenos Aires, Argentina)

CEPT: ITU Com, 6-8 Sept 2011 (Lisbon, Portugal)

ITU Com, 30 Nov – 2 Dec 2011 (Copenhagen, Denmark)

ITU Com, 31 Jan – 2 Feb 2012 (Bienne, Switzerland)

ITU Com, 3 – 4 April 2012 (Copenhagen, Denmark)

ITU Com, 22 – 25 May 2012 (Copenhagen, Denmark)

ITU Com, 10 – 14 Sept 2012 (Copenhagen, Denmark)

RCC: 2-6 April 2012 (Tashkent, Uzbekistan)

Arab States: 1st preparatory meeting for WTSA and WCIT: 11-14 December 2011, Dubai, UAE

2nd preparatory meeting for WTSA and WCIT: 8 April – 1 May 2012 (Cairo, Egypt)

**Action Item 43-02: TSB and General Secretariat**

After WTSA-08, the strategy of organizing regional meetings, co-located with other events, continued and ITU held three forums on the “Implementation of WTSA-08 Decisions”, one of which was co-located with a workshop on Bridging the Standardization Gap (see [Council-2009 Doc 35, Add.1](http://www.itu.int/md/S09-CL-C-0035/en), clause 3.1) ([http://www.itu.int/md/S09-CL-C-0035](http://www.itu.int/md/S09-CL-C-0035/en) ):

* TSB organized a two day Forum on the Implementation of WTSA-08 Decisions in Accra, Ghana, from 16-17 June 2009, followed by the first meeting of the Study Group 12 regional group on Quality of Service (QoS) for the Africa region, which took place in the same venue from 18-19 June 2009.
* The second Forum organized by TSB was held on 7 July 2009 in Quito, Ecuador, and was hosted by CITIC, followed by the third ITU Symposium on ICTs and Climate Change, which took place from 8-10 July 2009.
* The third Forum on the implementation of WTSA-08 decisions was collocated with a workshop on Bridging the Standardization Gap organized jointly with Commonwealth Telecommunication Organization. Both meetings were hosted by the Government of Fiji, and took place from 16-17 September 2009 in Nadi, Fiji.

Three regional Bridging the Standardization Gap workshops were held in 2011 in Fiji, Algeria and Moldova respectively and in 2012 one regional BSG workshop is being held in Lao.

ITU secretariat participation and support to the regional preparatory process see Action Item 43-01 above.

TSB participated in four Development Forums organized by BDT in the regions. TSB assisted in events of ITU-D with presentations on results of WTSA-08.

**Action Item 43-03: TSB**

Done

The regional telecommunication organizations (APT, ATU, Arab Group, CEPT, CITEL, RCC) held preparatory meetings for WTSA-08. In addition, ITU, in cooperation with ATU and CITEL, organized regional preparatory meetings for Africa and the Americas regions respectively. In association with the regional preparatory meetings in each region, the three Sectors of ITU jointly held a Regional Development Forum on Bridging the Standardization Gap between developed and developing countries. These were included in the Annual report to Council-2008; and full details regarding the regional preparatory meetings are found at [http://www.itu.int/ITU-T/wtsa-12/prepmeet](http://www.itu.int/en/ITU-T/wtsa-12/prepmeet/Pages/default.aspx)

Report on the preparations for the Global Standards Symposium (GSS-12) and the World Telecommunication Standardization Assembly (WTSA-12) were submitted to Council 2009, 2011 and 2012 in [C09/35](http://www.itu.int/md/S09-CL-C-0035/en), [C11/39](http://www.itu.int/md/S11-CL-C-0039/en), and [C12/31](http://www.itu.int/md/S12-CL-C-0031/en).

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# Resolution 44 - Bridging the standardization gap between developing and developed countries

**Resolution 44**

*resolves*

*1 that the objectives of the action plan annexed to this resolution, aimed at bridging the standardization gap between developed and developing countries, should be implemented to the extent feasible without delay;*

*2 that the ITU regional offices shall be encouraged to work closely with the Telecommunication Standardization Bureau (TSB) in order to carry out the objectives of the action plan;*

*3 to encourage more highly developed countries to establish cooperation programmes with developing countries in the drafting of national technical regulations and conformity assessment procedures as a way of assimilating information technologies and telecommunications and incorporating them into world standardization activities, and to establish regulatory cooperation programmes through the Telecommunication Developing Bureau (BDT);*

*4 that due to the insufficient resources in the regular budget for essential assistance to developing countries, including for bridging the standardization gap, the annual budget structure should be improved in order to identify and include a separate expenditure line item for bridging standardization gap activities, while at the same time voluntary contributions towards a fund for bridging the standardization gap should be encouraged, and a management mechanism for this fund should be implemented by TSB in close coordination with BDT for the purpose of implementing the action plan,*

*instructs the Director of the Telecommunication Standardization Bureau*

*1 to work closely with the Directors of BDT and the Radiocommunication Bureau (BR) on implementing the objectives of the action plan annexed to this resolution;*

*2 to establish an implementation group within TSB, which organizes, mobilizes resources, coordinates efforts and monitors work related to the action plan;*

*3 to report on the implementation of this plan to future WTSAs with a view to reviewing this resolution and introducing the appropriate amendments in the light of implementation outcome,*

*invites the Director of the Telecommunication Standardization Bureau*

*to work closely with the Directors of BDT and BR in order to encourage the formation of partnerships under the patronage of ITU-T as one of the means for financing the action plan,*

*instructs study groups and the Telecommunication Standardization Advisory Group*

*to be actively involved in the implementation of the programmes set forth in the action plan annexed to this resolution,*

*encourages Member States and Sector Members*

*to take the objectives set out in the action plan into account in their participation in ITU-T.*

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Action Item | Action | Milestone | Periodic Goals Met | Completed |
| [44-01](#Item44_01) | Director, via SecGen, to propose that Council consider improvement to the annual budget structure to identify a separate expenditure line item for bridging the standardization gap activities | 15-May-09 |  | ✓ | |
| [44-02](#Item44_02) | TSB presentations at workshops, regional meetings and other promotional events to include encouragement of voluntary contributions to the bridging the standardization gap fund (see also [Resolution 34](#Resolution_34)) | ongoing |  |  | |
| [44-03](#Item44_03) | Director to establish a Bridging the Standardization Gap (BSG) implementation group within TSB. Also see Resolutions 17, 59. | 30-Apr-09 |  | ✓ | |
| [44-04](#Item44_04) | Director to report to WTSA on implementation of BSG programmes (Annex to [Resolution 44](#Resolution_44)) | 30-June-12 |  | ✓ | |
| [44-05](#Item44_05) | TSB to plan holding ITU-T meetings in the regions | ongoing | ✓ |  | |
| [44-06](#Item44_06) | TSB to develop action plan, in cooperation with regional offices and BDT, on capacity building to strengthen standards-making capability of developing countries | 30-Sep-11 | ✓ |  | |
| [44-07](#Item44_07) | TSB to develop metrics in regard to assessing effectiveness of developing countries in the standardization work of ITU-T, with possible revision to the "Standardization Development Ladder" | 31-Dec-09 |  | ✓ | |
| [44-08](#Item44_08) | TSB to plan for cooperative participation in regional development events, such as workshops and Regional Development Forums | ongoing | ✓ |  | |
| [44-09](#Item44_09) | TSB to support and encourage creation of Flagship Groups | ongoing |  |  | |
| [44-10](#Item44_10) | TSB to explore use of e-learning tools regarding ITU-T Recommendations | Dec-12 |  |  | |
| [44-11](#Item44_11) | TSB to set up an online forum where developing countries can raise questions concerning their understanding and application of Recommendations and seek advice from SG experts | 31-Sep-11 |  | ✓ | |
| [44-12](#Item44_12) | TSB to organize training courses on application of specific Recommendations and on methods of examining compliance of manufactured products with these Recommendations. | Ongoing | ✓ |  | |
| [44-13](#Item44_13) | TSB to conduct consultancy projects to support developing countries in development of standardization plans, strategies, policies, etc. | 30-Aug-11 | ✓ |  | |
| [44-14](#Item44_14) | Establish a mentoring programme for developing countries | Aug-11, ongoing |  | ✓ | |

**Action Item 44-01: TSB**

Done.

The Draft Budget of the Union for 2010-2011, found in Council document C-09/10 section 72, page 22), shows a new line item, Bridging the Standardization Gap, for ITU-T Expenses. This is in support of WTSA Resolutions 17, 44 and 59, Objective 7 of the ITU Strategic Plan for ITU-T (Resolution 71, Antalya, 2006) and Objective 3 of the ITU Strategic Plan for ITU-T (Resolution 71, Guadalajara, 2010).

20 August 2009: TSB budget for 2010-2011 includes a new line item for BSG, funded at a level of 685,000 CHF for the biennium (Ref: Council 2009 [C09/10](http://www.itu.int/md/S09-CL-C-0010/en), clause 72) ([http://www.itu.int/md/S09-CL-C-0010](http://www.itu.int/md/S09-CL-C-0010/en)).

The TSB budget for 2012-2013 will continue to include the BSG line item, funded at a level of 473,000 CHF for the biennium (Ref: Council 2011, [C11/10](file:///C:\Users\yang\Documents\WTSA\WTSA%20Action%20Plan\C11\10), clause 64) ([http://www.itu.int/md/S11-CL-C-0010](http://www.itu.int/md/S11-CL-C-0010/en) )

**Action Item 44-02: TSB**

Information regarding voluntary contributions is normally included in TSB presentations to events in the regions. Voluntary contributions continue to be received for the BSG Fund. A total amount of CHF 289,070 has been received from Nokia Siemens Networks, Microsoft, Cisco and the Korean Communications Commission (KCC) in the BSG Fund. The Fund was used, inter alia, for supporting more events taking place in developing countries, including the tutorial on optical fibre cables and systems in Rwanda and Mexico. Funds were also used to provide fellowships to participants from developing countries to attend BSG Workshops.

Each year TSB makes presentations at many regional ITU-T meetings, at meetings of regional telecommunications organizations and at Bridging the Standardization Gap Forums held jointly with ITU-D. These present the opportunity to mention and encourage voluntary contributions to the BSG Fund. One standard slide could be developed and made available to all TSB personnel to include when making such presentations.

**Action Item 44-03: TSB**

Done

4/2009: Pursuant to WTSA-Res. 44, Res. 17 and 59, Bridging the Standardization Gap (BSG) remains a key focus of activities. An internal task force on BSG was established to implement the Action Plan in Res. 44 and meets every 3 months. A major research report on BSG was completed and published with metrics, case studies, training materials and best practices and additional data is being gathered. A workshop was held in Fiji in September 2009 and future workshops will be held. An updated report on progress in BSG was published in April 2009. There was a significant increase in the role and participation of developing countries in Study Group management, following decisions taken at WTSA-08. Written contributions from developing countries have also risen steadily to 19% of total, up from 6% in 2000. In 2008, a record 48 meeting days took place in developing countries, with 74% rise in delegate participation since 2000. Periodic reports are also made to TSAG.

TSB undertook a research study in September 2009 on national standards capability readiness of developing countries to identify the primary gaps that must be overcome to improve standards development and propose actionable steps to improve national standards capacity in the developing world. TSB developed the questionnaire, Tool for Assessing Standards Capability (TASC), and sent it to ITU member states of the developing world. 16 countries responded to the study. In December 2009, TSB published the “[ITU-T Research Project: Measuring and Reducing the Standards Gap](http://www.itu.int/dms_pub/itu-t/oth/32/02/T32020000010001PDFE.pdf)”, which was a preliminary report based on the findings of the survey and contained case studies on the importance of ICT standards for developing countries and recommendations for best practices. Based on the replies received from the study, countries were categorized under four levels on the National Standards Capability Scale: low standards capability, basic standards capability, intermediate standards capability and advanced standards capability. This report, the “[ITU-T Research Project: Measuring and Reducing the Standards Gap](http://www.itu.int/oth/T3202000001/en)”, (<http://www.itu.int/dms_pub/itu-t/oth/32/02/T32020000010001PDFE.pdf>) was published in December 2009.

\* (See Action Items 44-04, 44-07)

This report identifies six primary, interrelated standards gaps in the developing world:

• Lack of Understanding of the National Importance of Standards

• Relatively Less Private Industry Involvement in Standards

• Inadequate Funding of Standardization

• Insufficient Standardization Human Resources

• Insufficient Involvement in International Standards Development Processes

• Inadequate Technical Infrastructure for Standards Participation.

BSG activities, including the BSG Task Force, is managed under the new Telecommunication Standardization Policy Department, created as part of the TSB reorganization described in Council-2009 [Doc 32](http://www.itu.int/md/S09-CL-C-0032/en) ([http://www.itu.int/md/S09-CL-C-0032](http://www.itu.int/md/S09-CL-C-0032/en))

**Action Item 44-04: TSB**

(see Action Item 44-03 above)

June 2012:

The following technical manuals have been produced during the period 2009-2012 to provide more information to developing countries on the best practices to implement ITU-T Recommendations:-

* [Handbook on Testing (2011)](http://www.itu.int/publ/T-HDB-IMPL.07-2010/en),
* [Convergent Networks (2010)](http://www.itu.int/publ/T-HDB-IMPL.07-2010/en),
* [ITU-T Manual on Optical Transport Networks from TDM to Packet (2010)](http://www.itu.int/pub/T-HDB-IMPL.08-2010/en) ,
* [DSL Story (2010)](http://www.itu.int/publ/T-HDB-IMPL.06-2010/en),
* [Deployment of packet based networks (2009)](http://www.itu.int/publ/T-HDB-IMPL.05-2009/en)
* [Handbook on Fibre Optic Cables and Systems (2009)](http://www.itu.int/publ/T-HDB-IMPL.05-2009/en),
* [Security in Telecommunications and IT (2009)](http://www.itu.int/publ/T-HDB-SEC.04-2009/en)

Future handbooks planned during 2012 include: Handbook of Future Networks; Handbook on Access Networks; Handbook on the Impacts of MTC and Non-MTC Mobile Data Applications on Mobile Networks and Security Manual.

TSB organized 26 and 32 workshops and seminars in 2010 and 2011 respectively around the world, some in collaboration with BR and BDT, on implementation of WTSA-08 decisions, bridging the standardization gap and standardization activities related to climate change, cybersecurity, conformance and interoperability, IPTV, and accessibility. Three regional Bridging Standardization Gap workshops were held in 2011 in Fiji, Algeria and Moldova respectively and in 2012 one regional BSG workshop is being held in Lao.  
  
In depth tutorials about the application of ITU-T recommendations was initiated in 2010. A two-week tutorial on Optical Fibres, Cables, and Systems Recommendations was held in Rwanda in 2010 based on the Handbook on Fibre Optic Cables and tutored by experts from Study Group 15. It was highly appreciated by participants and obtained an overall satisfaction score of 4.3 on a scale of 5. The technical tutorial on Optical cables and systems was carried out in September 2011 in Mexico and an online webinar on optical transport network was also carried out.

**Action Item 44-05: TSB**

Meetings held in the regions (i.e., outside Geneva) in 2009 include:

| Month (2009) | Group | Meeting | Country |
| --- | --- | --- | --- |
| Mar-09 | SG3RG-AO | Study Group 3 Regional Group for Asia and Oceania | Viet Nam |
| Mar-09 | FG ICT & CC | Focus Group on ICTs and Climate Change | Japan |
| Apr-09 | Forum | Workshop on Next Generation Network Standardization | Sri Lanka |
| May-09 | SG3RG-AFR | ITU Regional Seminar on Costs and Tariffs and Meeting of the SG 3 Regional Group for Africa | Mozambique |
| May-09 | Workshop | Next Generation Networks and Applications | Greece |
| Jun-09 | Forum | Forum on "Implementation of decisions of ITU-T World Telecommunication Standardization Assembly-08 (WTSA-08)" | Ghana |
| Jun-09 | FG CarCom | From/In/To Cars Communication II | France |
| Jun-09 | SG12RG-AFR | Study Group 12 Regional Group for Africa | Ghana |
| Jun-09 | SG3RG-LAC | Study Group 3 Regional Group for Latin America | Peru |
| Jun-09 | Workshop | Workshop on Accessibility | Tanzania |
| Jun-09 | FG-FN | Focus Group on Future Networks | Sweden |
| Jul-09 | Forum | Forum on "Implementation of decisions of ITU-T World Telecomunication Standardization Assembly-08 (WTSA-08)" | Ecuador |
| Jul-09 | SG2RG-ARB | Study Group 2 Arab Regional Group | Lebanon |
| Jul-09 | Symposium | ITU Symposium on ICTs and Climate Change | Ecuador |
| Jul-09 | Panel | ITU panel “Globalization of Standardization and Making the International Telecommunication Union (ITU) Accessible” at the 18th Biennal TDI Conference “Where Access begins” | USA |
| Aug-09 | Workshop | Workshop on Accessibility | Thailand |
| Aug-09 | Kaleidoscope event | Innovations for Digital Inclusion | Argentina |
| Sep-09 | NGN-GSI | NGN Global Standards Initiative | Argentina |
| Sep-09 | SG/WP 11 | Signalling requirements and protocols | Argentina |
| Sep-09 | SG/WP 13 | Future networks including mobile and NGN | Argentina |
| Sep-09 | IPTV-GSI | Internet Protocol Television Global Standards Initiative | Argentina |
| Sep-09 | FG CarCom | From/In/To Cars Communication II | Sweden |
| Sep-09 | Forum | Forum on "Implementation of decisions of ITU-T World Telecommunication Standardization Assembly-08 (WTSA-08)" | Fiji |
| Sep-09 | SG/WP 3 | Tariff and accounting principles including related telecommunication economic and policy issues | Uganda |
| Sep-09 | Symposium | ITU Virtual Symposium on ICTs and Climate Change | Korea (Rep. of) |
| Sep-09 | Conference | Conference on ICTs and Climate Change | Korea (Rep. of) |
| Oct-09 | Workshop | Workshop on Accessibility | Mali |
| Nov-09 | Workshop | Workshop on Accessibility | Egypt |
| Nov-09 | FG-FN | Focus Group on Future Networks | USA |
| Nov-09 | Meeting | Meeting of the Dynamic Coalition on Accessibility and Disability (DCAD) | Egypt |
| Nov-09 | Workshop | Workshop on Accessibility | Egypt |
| Nov-09 | Workshop | Next Generation Networks and Applications | Italy |

Meetings held in the regions in 2010 include:

| Month (2010) | Group | Meeting | Country |
| --- | --- | --- | --- |
| Jan-10 | FG CarCOM | Focus Group on Car Communication | Canada |
| Mar-10 | SG3RG-AFR | ITU Regional Seminar on Costs and Tariffs and Meeting of the SG 3 Regional Group for Africa | Senegal |
| Mar-10 | WP 2/9 | Terminals and applications | China |
| Mar-10 | JCA-NID | Joint Coordination Activity on Network Aspects of Identification Systems (including RFID) | Korea (Rep. of) |
| Mar-10 | FG-FN | Focus Group on Future Networks | Japan |
| Apr-10 | SG/WP 5 | Environment and climate change | Argentina |
| Apr-10 | Workshop | ITU-T Workshop on “Interactions of Voiceband Signal Processing Functions and their End-to-End Coordination" | USA |
| Apr-10 | SG3RG-AO | Study Group 3 Regional Group for Asia and Oceania | China |
| May-10 | FG CarCOM | Focus Group on Car Communication | Germany |
| May-10 | Workshop | Workshop on ICTs | China |
| May-10 | SG/WP 3 | Tariff and accounting principles including related telecommunication economic and policy issues | Korea (Rep. of) |
| Jun-10 | Workshop | ITU-T Workshop on Bridging the Standardization Gap | Malaysia |
| Jul-10 | SG3RG-LAC | Study Group 3 Regional Group for Latin America | Dominican Rep. |
| Jul-10 | Consultation | ITU Consultation on Conformance Assessment and Interoperability Testing | Ecuador |
| Jul-10 | Workshop | Workshop on ICTs | China |
| Jul-10 | Workshop | Workshop on “Delivering Good Quality Telecommunication Service in a Safe Environment in Africa" | Kenya |
| Jul-10 | SG12RG-AFR | Study Group 12 Regional Group for Africa | Kenya |
| Jul-10 | SG5RG-AFR | Study Group 5 Regional Group for Africa | Kenya |
| Jul-10 | Consultation | ITU Consultation on Conformance Assessment and Interoperability Testing | Kenya |
| Aug-10 | FG CarCOM | Focus Group on Car Communication | USA |
| Sep-10 | Tutorial | Tutorial for Chairmen and Vice-Chairmen | Rwanda |
| Sep-10 | Workshop | ITU-T Workshop on Bridging the Standardization Gap | Sri Lanka |
| Sep-10 | Workshop | Workshop on Accessibility | Lithuania |
| Sep-10 | Workshop | Workshop on rights of persons with Disabililities | Lithuania |
| Sep-10 | Workshop | Dynamic Coalition on Accessibility and Disability | Lithuania |
| Sep-10 | Consultation | ITU Consultation on Conformance Assessment and Interoperability Testing | Australia |
| Sep-10 | WP 2/12 | Objective models and tools for multimedia quality | Germany |
| Sep-10 | IPTV-GSI | Internet Protocol Television Global Standards Initiative | Singapore |
| Sep-10 | ITU-T Interop : Events | ITU Interop Event on IPTV | Singapore |
| Sep-10 | Workshop | Workshop on ICTs | USA |
| Oct-10 | WP 3/5 | ICT and climate change | Italy |
| Oct-10 | Workshop | 6th Workshop on System Analysis and Modelling (SAM 2010) | Norway |
| Oct-10 | FG-FN | Focus Group on Future Networks | Korea (Rep.of) |
| Nov-10 | Symposium | ITU Symposium on ICTs, the Environment and Climate Change | Egypt |
| Nov-10 | FG CarCOM | Focus Group on Car Communication | Japan |
| Nov-10 | WP 1/9 & WP 2/9 | Video transport and quality & Terminals and applications | USA |
| Nov-10 | FG Smart | Focus Group on Smart Grid | USA |
| Nov-10 | FG-FN | Focus Group on Future Networks | Slovenia |
| Nov-10 | FG Cloud | Focus Group on Cloud Computing | France |
| Dec-10 | Kaleidoscope event | Innovations for Digital Inclusion | India |
| Dec-10 | IPTV-GSI | Internet Protocol Television Global Standards Initiative | India |
| Dec-10 | ITU-T Interop : Events | ITU Interop Event on IPTV | India |
| Dec-10 | Seminar | Seminar | Argentina |
| Dec-10 | Workshop | Workshop on IPTV | India |

Meetings held in the regions through 2011 include:

| Month (2011) | Group | Meeting | Country |
| --- | --- | --- | --- |
|  |  |  |  |
| Jan-11 | [FG Smart](http://www.itu.int/ITU-T/focusgroups/smart/) | Focus Group on Smart Grid | Japan |
| Jan-11 | [FG Cloud](http://www.itu.int/ITU-T/focusgroups/cloud/) | Focus Group on Cloud Computing | China |
| Feb-11 | [Workshop](http://www.itu.int/ITU-T/worksem/index.html) | Workshop/Seminar on ITU-T Standardization and other key ITU Activitie | Cuba |
| Feb-11 | [SG3RG-LAC](http://www.itu.int/ITU-T/othergroups/tal/index.html) | Study Group 3 Regional Group for Latin America | El Salvador |
| Mar-11 | [SG3RG-AO](http://www.itu.int/ITU-T/othergroups/tas/index.html) | Study Group 3 Regional Group for Asia and Oceania | Thailand |
| Mar-11 | [FG CarCOM](http://www.itu.int/ITU-T/focusgroups/carcom/) | Focus Group on Car Communication | Germany |
| Apr-11 | [FG Smart](http://www.itu.int/ITU-T/focusgroups/smart/) | Focus Group on Smart Grid | France |
| Apr-11 | [SG2RG-ARB](http://www.itu.int/ITU-T/studygroups/com02/rg2arb/index.html) | Study Group 2 Arab Regional Group | Sudan |
| May-11 | Seminar | Seminar | Botswana |
| May-11 | [SG3RG-AFR](http://www.itu.int/ITU-T/othergroups/taf/index.html) | ITU Regional Seminar on Costs and Tariffs and Meeting of the SG 3 Regional Group for Africa | Botswana |
| Jul-11 | Workshop | ITU-T Workshop on Bridging the Standardization Gap | Fiji |
| Jul-11 | [Symposium](http://www.itu.int/ITU-T/worksem/climatechange/) | ITU Symposium on ICTs and Climate Change | Ghana |
| Jul-11 | [IPTV-GSI](http://www.itu.int/ITU-T/gsi/iptv/) | Internet Protocol Television Global Standards Initiative | Brazil |
| Jul-11 | [Workshop](http://www.itu.int/ITU-T/worksem/index.html) | Workshop on IPTV | Brazil |
| Jul-11 | Seminar | Seminar | Brazil |
| Jul-11 | [Workshop](http://www.itu.int/ITU-T/worksem/index.html) | ITU Workshop on "Practical measurement of EMF exposure" | Botswana |
| Jul-11 | [SG5RG-AFR](http://www.itu.int/ITU-T/studygroups/com05/rg5afr/index.html) | Study Group 5 Regional Group for Africa | Botswana |
| Jul-11 | [SG12RG-AFR](http://www.itu.int/ITU-T/studygroups/com12/rg12afr/) | Study Group 12 Regional Group for Africa | Botswana |
| Sept-11 | Workshop | ITU Tutorial of Optical Cables and Systems | Mexico |
| Sept-11 |  | ITU-T Workshop on Bridging the Standardization Gap | Algeria |
| Sept-11 | Workshop | Mainstreaming the disability perspective for an inclusive society | Kenya |
| Sept-11 | Workshop | How can we reach the media have-nots of the developed and developing countries | Kenya |
| Oct-11 | Workshop | ITU-T Workshop on Bridging the Standardization Gap | Moldova |
| Dec-11 | Kaleidoscope | ITU Kaleidoscope | South Africa |
| Dec-11 | Workshop | ITU Workshop on Standards and IPR issues | India |

The full list of past and future Workshops and Seminars is found at: [http://www.itu.int/ITU-T/worksem](http://www.itu.int/ITU-T/worksem/index.html) . In accordance with Resolution 44, the intention is to continue encouragement of SG, WP, seminars and workshops in the regions.

TSB took the initiative with BDT to consider the Joint Inspection Unit (JIU) report to Council 2009, Recommendation 4. The JIU report is found in Council Doc [C09/55](http://www.itu.int/md/S09-CL-C-0055/en) (http://www.itu.int/md/S09-CL-C-0055). Recommendation 4 was considered in order to optimize use of regional offices' resources and cooperation, and to promote and disseminate information on standardization activity. TSB is working with BDT & BR to analyse and report to Council 2010 on what is being done to implement recommendations of the JIU.

JIU Recommendation 4 states:

*To ensure that the regional offices efficiently and effectively represent ITU as a whole, the Directors of the Radiocommunication and Standardization Bureaux should:*

*(a) Formulate and clearly articulate the expected contributions from the regional offices;*

*(b) Improve information sharing on the activities and concerns of their Sectors;*

*(c) Contribute to the enhancement of the human and financial resource capabilities of the regional offices.*

PP-10 Resolution 25 on “Strengthening the regional presence” addressed these issues and added further direction for the regional and area offices to represent all the Sectors and for improved coordination.

**Action Item 44-06: TSB**

On-going: (see Action Item 44-05 above)

BSG report to TSAG (8-11 February 2011) in [TSAG TD/198](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=T09-TSAG-110208-TD-GEN-0198) reports on the BSG Action Plan, including Programme 5 (of the BSG Action Plan): Fundraising for BSG. ([http://www.itu.int/md/T09-TSAG-110208-TD-GEN-0198](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=T09-TSAG-110208-TD-GEN-0198) )

**Action Item 44-07: TSB**

Done

December 2009 : (see Action Item 44-03 above)

September 2010: Participation statistics were updated and presented in the BSG Forum (Sri Lanka, September 2010), including:

* Number of participants from developing countries grew from 598 in 2000 to 1788 in 2008 to 2052 in 2009
* Contributions from developing countries to study groups grew from 6% of the total in 2000 to 19% in 2008 to 48% in 2009.
* Number of meetings in developing countries grew from 19 in 2008 to 24 in 2009
* Number of meeting days in developing countries grew from 48 in 2008 to 84 in 2009
* ITU-T Sector Members and Associates from developing countries constituted 27% of all ITU-T SMs and Associates in 2010
* Number of study group officials grew from 23 in 2000 to 46 in 2010

September 2011:

* The number of Study Group leadership positions during the Study Period 2009-2012 has increased to four Chairmen and 47 Vice Chairmen from developing countries, including five Vice Chairs from least developed countries.
* Increased participation of developing countries in ITU-T study groups is evident at each study group meeting since 2008.  In 2010, for the first time participants from developing countries outnumbered participants from developed countries in study group meetings participation.  Since beginning of 2009, 17 new countries have started participating in ITU-T Study Group Meetings.

**Action Item 44-08: TSB**

(Same as the note under Action Item 44-02 above)

**Action Item 44-09: TSB**

Activities have been started; and a kick-off meeting was planned in Mexico for a Flagship Group for Spanish-speaking countries. On 3 April 2009 a letter was sent to the Administration of Mexico to organize a kick-off meeting for the Latin-America flagship group. TSB participated in CITEL PCC.I meeting 5-8 May 2009 (Cuzco, Peru). In December 2009 CITEL took a decision on Terms of Reference for the flagship group. One option under consideration is to hold the initial meeting of the Flagship Group in conjunction with CITEL PCC.I (May 2010), although that turned out not to be possible.

TSB has contacted the CITEL headquarters in regard to implementation of their December 2009 decision.

**Action Item 44-10: TSB**

This is part of the TSB programme for BSG for 2011. As of September 2011, TSB is working on a feasibility study to develop e-learning applications aimed at improving developing countries application of ITU-T Recommendations and ITU-T working methods. The main objective of the e-learning platform will be to enable participants from developing countries to learn about ITU-T Recommendation and working methods at their own pace and convenience. A tender for the development of a web based e-learning application on ITU-T Meeting Procedures was initiated in March 2012 and the development of the application is expected to be completed by end 2012.

**Action Item 44-11: TSB**

Standards Q&A is an online forum where developing countries can submit their queries or comments on the application of ITU-T Recommendations directly to the study group experts. Standards Q&A was launched by TSB on 15 September 2011 and can be accessed at <http://groups.itu.int/itu-t/StandardsQA.aspx>. Standards Q&A will promote more interactive discussion between the experts creating ICT standards and those applying them. The pilot project has been launched to enable the submission of queries on all aspects of ITU-T Recommendations, in particular from developing countries.

**Action Item 44-12: TSB**

In-depth tutorials about the application of ITU-T Recommendations were initiated in 2010 with a two-week tutorial on [Optical Fibres, Cables, and Systems Recommendations](https://mailweb.itu.int/owa/redir.aspx?C=92ca10cf426a4061bc93baf2d1209889&URL=http%3a%2f%2fwww.itu.int%2fITU-T%2fworksem%2foptical-fibre%2f201009%2f) held in Rwanda (ID and password required; contact TSB). This tutorial was based on the Handbook on Fibre Optic Cables and tutored by experts from Study Group 15. It was highly appreciated by participants with a very high overall satisfaction score. The second in-depth tutorial is being held in Mexico City on 19-30 September 2011 hosted by the new ITU-T Academy Member, Instituto Politécnico Nacional (IPN).

**Action Item 44-13: TSB**

The [ITU-T research report: Measuring and Reducing the Standards Gap](http://www.itu.int/dms_pub/itu-t/oth/32/02/T32020000010001PDFE.pdf), published in 2009, recommends a national standards capability scale for assessing standards readiness (<http://www.itu.int/dms_pub/itu-t/oth/32/02/T32020000010001PDFE.pdf> ). The research report identifies the primary standards gaps between developing and developed countries based on country case studies and proposes best practices and actionable steps for improving national standards capacity in the developing world.

As a follow up to improve the response rate of the study which was undertaken in 2009 to produce the ITU-T research report and to make an assessment of the standardization capability of developing countries, the TASC questionnaire was sent out again in December 2010 to some 95 ITU member states of the developing world that did not respond to the initial survey. TSB completed the report on the survey to assess the standardization capability of developing countries in September 2011. 35 countries responded to the survey. The study was carried out with the generous support of the Korea Communications Commission (KCC) and the Telecommunications Technology Association (TTA). In 2012, TSB has been working on the development of a guide to help developing countries to set up and manage a standards secretariat in order to enhance their involvement in ITU-T study groups.

**Action Item 44-14: TSB**

A mentoring programme for ITU-T Study Group members from developing countries was introduced for the first time in August 2011 to provide more information to new delegates about the procedures of ITU-T meetings and to enhance the contribution from developing countries. It has since featured as a regular part of ITU-T study group meetings and TSAG. At the TSAG meeting in January 2012, a new position of mentor was established in Study Groups. The main role of the mentor will be to co-ordinate with representatives from developing countries in the study group with the objective of sharing information and best practices with regards to the application of ITU-T Recommendations to enhance the standardization activities in developing countries and in the regional groups. Through interaction with members from developing countries, the mentor could also identify capacity building programmes for ITU-T Recommendations which could be implemented by TSB thereafter under BSG.

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# Resolution 45 - Effective coordination of standardization work across study groups in ITU-T and the role of TSAG

**Resolution 45**

*resolves*

*that the coordination of ITU-T activities in regard to high-priority standardization issues and work related to more than one study group should ensure:*

*i) the identification of high-level objectives and priorities for ITU-T studies from a global viewpoint;*

*ii) cooperation between study groups, including the avoidance of duplication of work and the identification of linkages between related work items;*

*iii) the planned coordination of time-frames, deliverables, objectives and milestones for standardization activities;*

*iv) that the interests of developing countries, including the least developed countries, small island developing states and countries with economies in transition, are taken into account;*

*v) cooperation and coordination with the ITU Radiocommunication and Telecommunication Development Sectors and with other, external, standardization bodies,*

*instructs the Telecommunication Standardization Advisory Group*

*1 to take an active role in ensuring coordination between study groups, particularly on high-priority standardization issues that are being studied in more than one study group, including inviting coordination groups to hold the necessary meetings to achieve the objectives set for them;*

*2 to take into account, and implement as necessary, advice given to TSAG by other groups established in the interests of effective coordination on high-priority and joint standardization topics.*

| Action Item | Action | Milestone | Periodic Goals Met | Completed |
| --- | --- | --- | --- | --- |
| [45-01](#Item45_01) | TSAG, at each meeting, to review status on the coordination of standardization work involving multiple study groups, ITU-R and/or ITU-D, and take necessary action to ensure effective coordination. | ongoing | ✓ |  |

**Action Item 45-01: TSAG**

TSAG, at its meetings of April 2009, February 2010, February 2011 and January 2012, has reviewed and approved appropriate revision to all Joint Coordination Activities (JCAs) and Global Standardization Initiatives (GSIs).

An [ITU-T JCA](http://www.itu.int/en/ITU-T/jca/Pages/default.aspx) web page has been established at which to find summary information and further links to all Joint Coordination Activities ([http://www.itu.int/ITU-T/jca](http://www.itu.int/en/ITU-T/jca)). This web page is updated following each TSAG meeting.

TSAG (8-11 February 2010) considered several inputs relating to work, such as that on Power Line Transmission, which appears in both ITU-R and ITU-T. As a result, a joint forum on compatibility was held on 27 May 2011 (<http://www.itu.int/ITU-R/index.asp?category=conferences&rlink=itu-plt-forum-11&lang=en>)

TSAG (8-11 February 2011):

* Agreed to change the name of JCA-NID to JCA-IoT (Internet of Things) and it approved a new scope and Terms of Reference, found in Annex C of report [TSAG R-4](http://www.itu.int/md/T09-TSAG-R-0004/en) ([http://www.itu.int/md/T09-TSAG-R-0004](http://www.itu.int/md/T09-TSAG-R-0004/en) ). The first meeting took place in May 2011.
* Agreed to establish an IoT-GSI (Global Standards Initiative on Internet of Things), with Terms of Reference found in [TSAG R-4](http://www.itu.int/md/T09-TSAG-R-0004/en), Annex D ([http://www.itu.int/md/T09-TSAG-R-0004](http://www.itu.int/md/T09-TSAG-R-0004/en) )
* Endorsed the continuation of JCA-HN (Home Networking), continuation of JCA-ICT&CC, revised Terms of Reference of the JCA-Mgt.
* Agreed that the FG-Smart (Grid) and the FG-Cloud both continue until December 2011.
* Approved a new Focus Group on multimedia accessibility, reporting to SG16.

TSAG (10-13 January 2012):

* noted that JCA-Mgt was terminated on 19 August 2011.
* designated SG13 as the lead study group to coordinate activities related to cloud computing and established a JCA on cloud computing with SG13 as parent group (see [TSAG R-5](http://www.itu.int/md/T09-TSAG-R-0005/en), Annex A).
* established a joint JCA on Smart Grid and Home Networking (JCA-SG&HN) replacing the existing JCA-HN(see [TSAG R-5](http://www.itu.int/md/T09-TSAG-R-0005/en), Annex B).
* extended lifetime of the Focus Group on Driver Distraction until December 2012.
* established a Focus Group on “Bridging the Gap: from Innovations to Standards” (FG Innovation) (see [TSAG R-5](http://www.itu.int/md/T09-TSAG-R-0005/en), Annex E).
* established a Focus Group on M2M Service Layer (FG M2M) (see [TSAG R-5](http://www.itu.int/md/T09-TSAG-R-0005/en), Annex C).
* Established a Focus Group on Disaster Relief Systems, Network Resilience and Recovery (FG-DR&NRR) (see [TSAG R-5](http://www.itu.int/md/T09-TSAG-R-0005/en), Annex D)

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# Resolution 47 - Country code top-level domain names

**Resolution 47**

*instructs Study Group 2*

*to continue studies, and to work with Member States and Sector Members, in their respective roles, recognizing the activities of other appropriate entities, to review Member States' ccTLD experiences,*

*instructs the Director of the Telecommunication Standardization Bureau*

*to take appropriate action to facilitate the above and to report to the ITU Council annually regarding the progress achieved in this area,*

*invites Member States*

*to contribute to these activities,*

*further invites Member States*

*to take appropriate steps within their national legal frameworks to ensure that issues related to delegation of country code top-level domains are resolved.*

| Action Item | Action | Milestone | Periodic Goals Met | Completed |
| --- | --- | --- | --- | --- |
| [47-01](#Item47_01) | SG2 to review and study contributions regarding MS' ccTLD experiences | ongoing |  |  |
| [47-02](#Item47_02) | Director to report to Council annually regarding progress in ccTLDs. | ongoing, 3 months before Council | ✓ |  |

**Action Item 47-01: SG2**

Actions by SG2 will depend on contributions. There is no activity to report from SG2 in this study period.

**Action Item 47-02: TSB**

28 August 2009: Report made to Council-2009 in [C09/49](http://www.itu.int/md/S09-CL-C-0049/en), “ITU Internet Activities: Resolutions 101, 102 and 133” (http://www.itu.int/md/S09-CL-C-0049)

Reports from TSB on Internet-related issues have been submitted to the General Secretariat for incorporation into the ITU report to Council-2010 on Internet-related issues.

Reports on “ITU Internet Activities: Resolutions 101, 102 and 133” were made to Council-2010 in [C10/13](file:///C:\Users\yang\Documents%20and%20Settings\yang\My%20Documents\WTSA\C10\13), Council-2011 in Document [C11/31](http://www.itu.int/md/S11-CL-C-0031/en), and Council 2012 in Document [C12/28](http://www.itu.int/md/S12-CL-C-0028/en) .

Also see WTSA [Resolution 48](#Resolution_48) on internationalized ccTLDs.

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# Resolution 48 - Internationalized (multilingual) domain names

**Resolution 48**

*resolves to instruct Study Group 16 and other relevant study groups*

*to study internationalized (multilingual) domain names, and to continue to liaise and cooperate with appropriate entities, whether intergovernmental or non-governmental, in this area,*

*instructs the Director of the Telecommunication Standardization Bureau*

*to take appropriate action to facilitate the above and to report to the ITU Council annually regarding the progress achieved in this area,*

*invites Member States, Sector Members and concerned regional groups*

*to contribute to these activities.*

| Action Item | Action | Milestone | Periodic Goals Met | Completed |
| --- | --- | --- | --- | --- |
| [48-01](#Item48_01) | SG16, and other relevant SGs, considering input contributions, to study internationalized (multilingual) domain names | ongoing |  |  |
| [48-02](#Item48_02) | Director to report to Council annually regarding progress achieved in internationalized (multilingual) domain names | ongoing, 3 months before Council | ✓ |  |

**Action Item 48-01: SG16**

Stakeholders were consulted on starting studies on visual confusion for Arabic URLs. Feedback received from ICANN and IETF indicated (most recently in a LS received in April 2012) that necessary measures are being taken in ICANN and IETF to solve this concern. Lack of expert attendance in SG 16 prevented to-date further investigation of the matter.

**Action Item 48-02: TSB**

28 August 2009: Report made to Council-2009 in [C09/49](http://www.itu.int/md/S09-CL-C-0049/en), “ITU Internet Activities: Resolutions 101, 102 and 133” ([http://www.itu.int/md/S09-CL-C-0049](http://www.itu.int/md/S09-CL-C-0049/en))

Reports from TSB on Internet-related issues have been submitted to the General Secretariat for incorporation into the ITU report to Council-2010 on Internet-related issues. Reports on “ITU Internet Activities: Resolutions 101, 102 and 133” were made to Council-2010 in [C10/13](file:///C:\Users\yang\Documents%20and%20Settings\yang\My%20Documents\WTSA\C10\13), Council-2011 in Document [C11/31](http://www.itu.int/md/S11-CL-C-0031/en), and Council 2012 in Document [C12/28](http://www.itu.int/md/S12-CL-C-0028/en) .

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# Resolution 49 - ENUM

**Resolution 49**

*resolves to instruct Study Group 2*

*to study how ITU could have administrative control over changes that could relate to the international telecommunication resources (including naming, numbering, addressing, and routing) used for ENUM,*

*instructs the Director of the Telecommunication Standardization Bureau*

*to take appropriate action to facilitate the above and to report to the ITU Council annually regarding the progress achieved in this area,*

*invites Member States*

*to contribute to these activities,*

*further invites Member States*

*to take appropriate steps within their national legal frameworks to ensure proper implementation of this resolution.*

| Action Item | Action | Milestone | Periodic Goals Met | Completed |
| --- | --- | --- | --- | --- |
| [49-01](#Item49_01) | SG2 to study how ITU could have administrative control over changes that could relate to the international telecommunication resources used for ENUM | ongoing | ✓ |  |
| [49-02](#Item49_02) | Director to report to Council annually regarding progress achieved in ENUM | ongoing, 3 months before Council | ✓ |  |

**Action Item 49-01: SG2**

There was a liaison from IETF Internet Architecture Board (IAB) requesting ENUM status in SG2 - the response to IETF was approved in November 2009 by SG2 stated[[1]](#footnote-2) that “it was felt that the existing procedures have enabled the deployment of ENUM-based - applications, these procedures will continue to be maintained and updated as required. These procedures have been stable for over 5 years now, and it is envisioned that these procedures will remain in place as long as countries request delegations for ENUM-based applications using e164.arpa.”

**Action Item 49-02: TSB**

28 August 2009: Report made to Council-2009 in [C09/49](http://www.itu.int/md/S09-CL-C-0049/en), “ITU Internet Activities: Resolutions 101, 102 and 133” ([http://www.itu.int/md/S09-CL-C-0049](http://www.itu.int/md/S09-CL-C-0049/en))

Reports from TSB on Internet-related issues have been submitted to the General Secretariat for incorporation into the ITU report to Council-2010 on Internet-related issues. Reports on “ITU Internet Activities: Resolutions 101, 102 and 133” were made to Council-2010 in [C10/13](file:///C:\Users\yang\Documents%20and%20Settings\yang\My%20Documents\WTSA\C10\13), Council-2011 in Document [C11/31](http://www.itu.int/md/S11-CL-C-0031/en), and Council 2012 in Document [C12/28](http://www.itu.int/md/S12-CL-C-0028/en) .

Current information on [ENUM trials](http://www.itu.int/ITU-T/inr/enum/trials.html) is being maintained by ITU-T ([http://www.itu.int/ITU-T/inrum/trials.html](http://www.itu.int/ITU-T/inr/enum/trials.html)).

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# Resolution 50 - Cybersecurity

**Resolution 50**

***resolves***

*1 that ITU-T continue to evaluate existing and evolving new Recommendations, and especially signalling and telecommunication protocol Recommendations, with respect to their robustness of design and potential for exploitation by malicious parties to interfere destructively with their deployment in the global information and telecommunication infrastructure;*

*2 that ITU-T continue to raise awareness, within its area of operation and influence, of the need to defend information and telecommunication systems against the threat of cyberattack, and continue to promote cooperation among appropriate international and regional organizations in order to enhance exchange of technical information in the field of information and telecommunication network security;*

*3 that ITU-T should work closely with ITU-D, particularly in the context of Question 22/1;*

*4 that ITU-T Recommendations, including X.805 and X.1205, ISO/IEC products/standards and other relevant deliverables from other organizations, be used as a framework for assessing networks and protocols for security vulnerabilities and to share experiences;*

*5 that concerned parties are invited to work together to develop standards and guidelines in order to protect against cyberattacks such as botnet, etc., and facilitate tracing the source of an attack;*

*6 that global, consistent and interoperable processes for sharing incident-response related information should be promoted;*

*7 that ITU-T study groups continue to provide regular updates to the Telecommunication Standardization Advisory Group on progress in evaluating existing and evolving new Recommendations;*

*8 that ITU-T study groups continue to liaise with other bodies active in this field, such as ISO/IEC JTC1, the Organisation for Economic Co-operation and Development (OECD), the Asia Pacific Economic Cooperation Telecommunication and Information Working Group (APEC TEL) and the Internet Engineering Task Force (IETF),*

*instructs the Director of the Telecommunication Standardization Bureau*

*1 to prepare, in building upon the information base associated with the ICT Security Standards Roadmap and the ITU-D efforts on cybersecurity, and with the assistance of other relevant organizations, an inventory of national, regional and international initiatives and activities to promote, to the maximum extent possible, the worldwide harmonization of strategies and approaches in this critically important area;*

*2 to report annually to the ITU Council, as specified in Resolution 130 (Rev. Antalya, 2006), on progress achieved in the actions outlined above,*

*further instructs the Director of the Telecommunication Standardization Bureau*

*1 to continue to follow up WSIS cybersecurity activities, in cooperation with relevant stakeholders, as a way to share information on national, regional and international and non-discriminatory cybersecurity-related initiatives globally;*

*2 to continue to cooperate with the Secretary-General's initiative on cybersecurity, and with the Telecommunication Development Bureau in relation to any item concerning cybersecurity in accordance with WTDC Resolution 45 (Doha, 2006), and to ensure coordination among these different activities,*

*invites Member States, Sector Members and Associates, as appropriate*

*to participate actively in the implementation of this resolution and the associated actions.*

| Action Item | Action | Milestone | Periodic Goals Met | Completed |
| --- | --- | --- | --- | --- |
| [50-01](#Item50_01) | SG experts to identify related work on cybersecurity being done outside ITU-T and, if appropriate, invite participation in the work of ITU-T. | ongoing | ✓ |  |
| [50-02](#Item50_02) | SGs to evaluate Recommendations for robustness and potential for malicious exploitation, and document results, e.g., in Implementers Guides, Guidelines, Manuals, … | ongoing | ✓ |  |
| [50-03](#Item50_03) | TSAG to explore how non-members can submit defect reports and incident/vulnerability reports to ITU-T | 30-Jun-12 |  |  |
| [50-04](#Item50_04) | SG17 to evaluate need for additional material or revision of existing material in the Security Roadmap, Manual and Compendium. | 30-Sep-09 & ongoing | ✓ |  |
| [50-05](#Item50_05) | SG17 to continue working closely with ITU-D, particularly in the context of Q22/1 | ongoing | ✓ |  |
| [50-06](#Item50_06) | Director to prepare an inventory of initiatives and activities to promote harmonization of strategies and approaches in cybersecurity | 30-Dec-09 |  | ✓ |
| [50-07](#Item50_07) | Director to report to Council on actions taken under Resolution 50 | annual |  | ✓ |
| [50-08](#Item50_08) | Director to provide inputs related to WSIS cybersecurity activities to the Council WG on WSIS | ongoing |  | ✓ |
| [50-09](#Item50_09) | Director to cooperate with the Secretary-General's cybersecurity initiative and BDT items concerning cybersecurity under WTDC Resolution 45 | ongoing | ✓ |  |

**Action Item 50-01: SG17 and TSAG**

A liaison was sent by Q4/17 “Cybersecurity” to a large number of bodies inviting collaboration. Cooperation under ITU-T Recommendation A.4 with Fora and Consortiums have been requested to TSB. Evaluation of those entities is still in progress. However, collaboration with FIRST is more promising; they are being evaluated for being granted ITU-T membership under the condition of reciprocity.

January 2011:

Q4/17 on “Cybersecurity” has the primary role on Resolution 50. Development of the X.1500 CYBEX ensemble of techniques represents significant means for enhancing cybersecurity globally. Continuing liaison exists with a broad array of organizations – in many cases, importing their technical platforms related to X.1500.

For some of these bodies, International Organization status and A.4 or A.6 qualification of fora and consortiums and SDOs have been established and will continue to be pursued. This includes FIRST, OASIS, TCG, ETSI, CCDB, CNIS, APWG, IETF, ENISA, and ISO/IEC.

SGSG 17 has established a “Cybersecurity Information Exchange Framework ([CYBEX](http://www.itu.int/en/ITU-T/studygroups/com17/Pages/cybex.aspx))” website at [http://www.itu.int/ITU-T/studygroups/com17/Pages/cybex.aspx](http://www.itu.int/en/ITU-T/studygroups/com17/Pages/cybex.aspx)

A web page on ITU Activities related to Cybersecurity, covering activities across all ITU sectors, is found at <http://www.itu.int/cybersecurity/>

**Action Item 50-02: SGs**

SG 17 developed or is developing a set of Recommendations that should assist governments and industry as well as other SGs when developing Recommendations, e.g., ITU-T X.805, X.1052, draft X.1054, and X.1055. Further actions might be driven through regular coordination processes via Q.1/17 or a possible JCA-Security.

SG 17 provided guidelines and methodology to other study groups, e.g., ITU-T X.805. Recommendations have been issued on information security management, risk management and security incident management; others are being developed on how to best deal proactively with security vulnerabilities and threats.

SG 13 is referencing Recommendation ITU-T X.805 in some of the Y-series Recommendations on NGN security.

SG 2 is referencing Recommendation ITU-T X.805 in their M-series Recommendations on security for the management plane, and in ITU-T E.408.

**Action Item 50-03: TSAG**

Errors or un-clarity in Recommendations could result in vulnerabilities for systems that could be exploited. An efficient defect reporting could assist ITU-T SGs in resolving those issues. In this regard, Question 11/17 “Directory services, Directory systems, and public-key/attribute certificates”, with the agreement of SG 17, has implemented a web-based tool to accept defect reports from the general public at [http://www.x500standard.com](http://www.x500standard.com/). From this website, which is intended for use by X.500 implementers and is external to the ITU-T website, information on X.500 series Recommendations can also be obtained. Defect reports are examined by relevant experts of SG 17 and ISO/IEC JTC 1/SC 6. Resolution of the claimed defect, if approved by SG 17 and JTC 1/SC 6, is duly published.

To date, TSAG has not taken action on a general process by which non-members can submit defect reports and incident/vulnerability reports to ITU-T.

**Action Item 50-04: SG17**

SG 17 agreed that Q4/17 on “Cybersecurity” will have the primary role on Resolution 50. WP 1/17 decided that the scheduled update to the [Security Roadmap, Security Manual and Security Compendium](http://www.itu.int/ITU-T/studygroups/com17/tel-security.html) (<http://www.itu.int/ITU-T/studygroups/com17/tel-security.html>) will be based on the "Guide" developed in the 2005-2008 period. WP 1/17 prepared a new version of the Security Manual and partial update of the Compendium at the September 2009 SG 17 meeting.

The Roadmap and Compendium were updated in 2009 and in 2011. An updated Security Manual was also provided to TSB.

The **Security Roadmap** consisted of five parts, expanded to six parts in 2011:

* [Part 1: ICT Standards Development Organizations and Their Work](http://www.itu.int/ITU-T/studygroups/com17/ict/part01.html)   
  (<http://www.itu.int/ITU-T/studygroups/com17/ict/part01.html>)
* [Part 2: Approved ICT Security Standards](http://www.itu.int/ITU-T/studygroups/com17/ict/part02.html)   
  (<http://www.itu.int/ITU-T/studygroups/com17/ict/part02.html>)
* [Part 3: Security standards under development](http://www.itu.int/ITU-T/studygroups/com17/ict/part03.html)   
  (<http://www.itu.int/ITU-T/studygroups/com17/ict/part03.html>)
* [Part 4: Future needs and proposed new security standards](http://www.itu.int/ITU-T/studygroups/com17/ict/part04.html)   
  (<http://www.itu.int/ITU-T/studygroups/com17/ict/part04.html>)
* [Part 5: Best practices](http://www.itu.int/ITU-T/studygroups/com17/ict/part05.html)   
  (<http://www.itu.int/ITU-T/studygroups/com17/ict/part05.html>)
* [Part 6: Identity Management (IdM) Landscape: IdM standards, organizations and gap analysis](http://www.itu.int/ITU-T/studygroups/com17/ict/part06.html)  
  (<http://www.itu.int/ITU-T/studygroups/com17/ict/part06.html>)

The ICT Security Standards Roadmap is being regularly updated.

**Security Manual** "Security in telecommunications and information technology - An overview of issues and the deployment of existing ITU-T Recommendations for secure telecommunications": SG 17 will consider the timing for next edition of the security manual.

**Security Compendium:** The Security Compendium consists of five parts:

* Part I: [Catalogue of approved ITU-T Recommendations](http://www.itu.int/dms_pub/itu-t/oth/0A/0D/T0A0D0000090004MSWE.doc) related to Telecommunication Security   
  (<http://www.itu.int/dms_pub/itu-t/oth/0A/0D/T0A0D0000090004MSWE.doc>)
* Part II: [ITU-T approved security definitions](http://www.itu.int/dms_pub/itu-t/oth/0A/0D/T0A0D00000A0003ZIPE.zip)   
  (<http://www.itu.int/dms_pub/itu-t/oth/0A/0D/T0A0D00000A0003ZIPE.zip>)
* Part III: [Summary of ITU-T Study Groups with security-related activities](http://www.itu.int/dms_pub/itu-t/oth/0A/0D/T0A0D0000050001MSWE.doc)   
  (<http://www.itu.int/dms_pub/itu-t/oth/0A/0D/T0A0D0000050001MSWE.doc>)
* Part IV: [Summary of Recommendations within ITU-T Study Groups under review for security considerations](http://www.itu.int/dms_pub/itu-t/oth/0A/0D/T0A0D0000060001MSWE.doc)   
  (<http://www.itu.int/dms_pub/itu-t/oth/0A/0D/T0A0D0000060001MSWE.doc>)
* Part V: [Summary of Other ITU Security Activities](http://www.itu.int/dms_pub/itu-t/oth/0A/0D/T0A0D0000070001MSWE.doc)   
  (<http://www.itu.int/dms_pub/itu-t/oth/0A/0D/T0A0D0000070001MSWE.doc>)

Parts I and II of the Compendium were updated after the September 2009 SG 17 meeting. Updates to the other Parts of the Compendium need to be developed. Next opportunity will likely be the April 2010 SG 17 meeting as the Compendium is expected to be updated at each of the SG 17 meetings.

ICT Security Standards Roadmap and Security Compendium, including a list of approved security definitions, were updated in December 2010. The Fourth issue of the Security Manual was published at the end of 2009, and translated in the 6 official languages in 2010. New fifth issue of the Security Manual has been presented to TSB, to be translated in the 6 official languages and be available before WTSA-12.

The update to the ICT Security Standards Roadmap was posted in January 2011. This roadmap, Version 2.4, includes information on ITU-T, ISO and IEC, as well as IETF, and is found at [http://www.itu.int/ITU-T/studygroups/com17/ict](http://www.itu.int/ITU-T/studygroups/com17/ict/index.html). ICT Security Standards Roadmap and Security Compendium (including a list of ITU-T approved security definitions) are continuously updated.

**Summary of Roadmap Updates**

| **Roadmap part** | **Release number** | **Last update** |
| --- | --- | --- |
| Introduction (Main page) | 2.4 | 25th January, 2011 |
| Part 1 | 4.4 | 23rd February, 2011 |
| Part 2 | 4.3 | 31st January, 2011 |
| Part 3 | 5.1 | 25th January, 2011 |
| Part 4 | 4.1 | 25th January, 2011 |
| Part 5 | 5.1 | 25th January, 2011 |
| Part 6 | 1.0 | April 2011 |

A 5th edition is scheduled to be available by WTSA-12.

**Action Item 50-05: SG17**

BDT published [Understanding Cybercrime: A Guide for Developing Countries](http://www.itu.int/ITU-D/cyb/cybersecurity/docs/itu-understanding-cybercrime-guide.pdf), in May 2009, to help developing countries better understand and assess the national and international implications of growing cyber threats, as well as assist in establishing a sound legal foundation. (<http://www.itu.int/ITU-D/cyb/cybersecurity/docs/itu-understanding-cybercrime-guide.pdf> )

BDT released a [Toolkit for Cybercrime Legislation](http://www.itu.int/ITU-D/cyb/cybersecurity/projects/cyberlaw.html) in May 2009, developed by a multidisciplinary international group of experts, to provide Member States with sample legislative language and reference material to assist in harmonization of cybercrime laws and procedural rules. (<http://www.itu.int/ITU-D/cyb/cybersecurity/projects/cyberlaw.html> )

The ITU-D Q22/1 Rapporteur participates in ITU-T SG 17; Q4/17 on Cybersecurity maintains a continuing liaison with ITU-D Q22/1.

**Action Item 50-06: SGs and TSB**

The [SG17 website](http://www.itu.int/ITU-T/studygroups/com17/index.asp) (<http://www.itu.int/ITU-T/studygroups/com17/index.asp>) contains information on activities in ITU-T and with other bodies, on security, collaboration, seminars and workshops, manuals and handbooks.

There is agreement with Q4/17 “Cybersecurity” to develop a section on the SG 17 web page that deals with the inventory of national, regional and international initiatives and activities referred to in *Instructs the Director*, 1. Appendix II of draft new Recommendation X.1500 features two examples from Japan and the USA (text in [SG17-TD1161R6](file:///C:\Users\yang\Documents\WTSA\WTSA%20Action%20Plan\SG17-TD1161R6) (<http://www.itu.int/md/T09-SG17-101208-TD-PLEN-1161> ), DETERMINED under TAP in Dec 2010).

SG 17 communicates continually with TSB Director on its cybersecurity initiatives. Regular coordination meetings are taking place between TSB and BDT.

**Action Item 50-07:**

Done

Reports submitted to ITU Council-2009 related to Resolution 50 include: [C09/50](http://www.itu.int/md/S09-CL-C-0050/en) “ITU activities on strengthening the role of ITU in building confidence and security in the use of ICTs” ([http://www.itu.int/md/S09-CL-C-0050](http://www.itu.int/md/S09-CL-C-0050/en)) and [C09/35](http://www.itu.int/md/S09-CL-C-0035/en) “Annual report on the activities of the Union” ([http://www.itu.int/md/S09-CL-C-0035](http://www.itu.int/md/S09-CL-C-0035/en)).

Report was submitted to ITU Council-2010 in document [C10/12 “ITU activities on strengthening the role of ITU in building confidence and security in the use of ICTs”](http://www.itu.int/md/S10-CL-C-0012/en) ([http://www.itu.int/md/S10-CL-C-0012](http://www.itu.int/md/S10-CL-C-0012/en) )

Report was submitted to ITU Council-2011 in document [C11/54](http://www.itu.int/md/S11-CL-C-0054/en) on “ITU activities on strengthening the role of ITU in building confidence and security in the use of ICTs” ([http://www.itu.int/md/S11-CL-C-0054](http://www.itu.int/md/S11-CL-C-0054/en) ).

SG 17 communicates with TSB Director on its WTSA-08 Resolution 50 actions.

**Action Item 50-08: TSB**

Information is submitted on an on-going basis to meetings of the Council WG-WSIS as ITU-T Sector input to an overall ITU report on WSIS implementation activities. Most recent information specific to security is shown below.

15 May 2009: A report was provided to the Council WG-WSIS in document [WG-WSIS-15/5](http://www.itu.int/council/groups/wsis/pd/May-2009/WG-WSIS-15-05.doc): Follow-up and implementation of the World Summit on the Information Society (WSIS) within ITU-T (<http://www.itu.int/council/groups/wsis/pd/May-2009/WG-WSIS-15-05.doc>). ITU-T activities related to cybersecurity are included, inter alia, in section 1.2:

1.2 Cybersecurity (WSIS action line C5)

SG 17 - Security

* Study Group 17 approved three TAP Recommendations (X.1242, Short message service (SMS) spam filtering system based on user-specified rules, X.1171, Threats and requirements for protection of personally identifiable information in applications using tag-based identification and X.1191, Functional requirements and architecture for IPTV security aspects). At its February 2009 meeting, Study Group 17 also initiated TAP for two Recommendations on identity management (X.1250, Capabilities for enhanced global identity management trust and interoperability and X.1251, A framework for user control of digital identity). Work in this area will also result in a Recommendation on identity management terminology expected for completion in September 2009.
* Study Group 17 established a correspondence group on the exchange of trusted network forensics.
* In its April 2009 meeting, TSAG agreed to the continuation of the Joint Coordination Activity on Identity Management (JCA-IdM).
* Study Group 17 organized a workshop prior its February 2009 meeting on ["New challenges for Telecommunication Security Standardizations"](http://www.itu.int/ITU-T/worksem/security/200902/index.html).

26 January 2010: A report was provided to Council WG-WSIS (Feb 2010) in document [WG-WSIS 16/9](http://www.itu.int/md/S10-WSIS-C-0007/en), ‘Joint Report on ITU's Activities Related to WSIS Implementation and Follow-up for Year 2009’ ([http://www.itu.int/md/S10-WSIS-C-0007](http://www.itu.int/md/S10-WSIS-C-0007/en)). ITU-T activities related to cybersecurity are included, inter alia, in clauses 31 and 32:

31. In order to identify cyberthreats and countermeasures to mitigate risks, ITU-T has developed an overview of security requirements, guidelines for protocol authors and specifications for IP-based systems. ITU-T also provides an international platform for the development of the protocols that protect current and Next Generation Networks (NGN). ITU-T’s work on secure communication services reviews enhancements to security specifications for mobile end-to-end data communications and considers security requirements for web services and application protocols.

32. ITU-T Study Group 17 (SG 17) is the lead study group on telecommunication security and identity management with its role being reinforced by WTSA-08 Res. 50 and 52. SG 17 is also working on the implementation of WTSA-08 Res. 58 to “Encourage the creation of national Computer Incident Response Teams, particularly for developing countries”. In February 2009 SG17 organized a workshop on ["New Challenges for Telecommunication Security Standardizations"](http://www.itu.int/ITU-T/worksem/security/200902/index.html) ([http://www.itu.int/ITU-T/worksem/security/200902](http://www.itu.int/ITU-T/worksem/security/200902/index.html)), approved three Traditional Approval Process (TAP) Recommendations: on spam filtering, on protection of personally identifiable information and on IPTV security and initiated approval procedures for two Recommendations on identity management, and established a new correspondence group on the exchange of trusted network forensics. The Joint Coordination Activity on Identity Management, lead by SG 17, is continuing actively and the SG 17 work in this area will also result in a Recommendation on identity management terminology (completion expected in September 2009). The fourth edition of the [“Security in Telecommunications and Information Technology”](http://www.itu.int/publ/T-HDB-SEC.03-2006/en) manual was published in 2009 ([http://www.itu.int/publ/T-HDB-SEC.03-2006](http://www.itu.int/publ/T-HDB-SEC.03-2006/en)).

In 2009, General Secretariat and the three Bureaus (BR, TSB and BDT) submitted to Council WG WSIS a draft Roadmap for WSIS Action line C5.

In January 2010 a consolidated report of the General Secretariat and Bureaux, “ITU Secretariat: Joint Report on ITU’s Activities Related to WSIS Implementation and Follow-up for Year 2009” was submitted to the Council WG-WSIS in document [WG-WSIS-16/9](http://www.itu.int/md/S10-WSIS-C-0007/en) ([http://www.itu.int/md/S10-WSIS-C-0007](http://www.itu.int/md/S10-WSIS-C-0007/en))

A final report was submitted to the 2010 Plenipotentiary Conference in document [PP-10/52](http://www.itu.int/md/S10-PP-C-0052/en) **“Report on the outcomes of the WG-WSIS meetings held since PP-06” (**[http://www.itu.int/md/S10-PP-C-0052](http://www.itu.int/md/S10-PP-C-0052/en) **)**

Oct 2010: SG 17 relevant activities were included in the ‘Report on WSIS Plus Five: ITU's five-year contribution to the WSIS implementation and follow-up (2005-2010)’ which was prepared jointly by ITU General Secretariat and bureaus through Council WG-WSIS meeting in June 2010 and finally submitted to PP-10 in document [INF 2](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=S10-PP-INF-0002) ([http://www.itu.int/md/S10-PP-INF-0002](http://www.itu.int/md/S10-PP-INF-0002/en)).

May 2011: SG 17 relevant activities were included in the ‘Joint Report on ITU's Activities related to WSIS Implementation and Follow-up since PP-10’ to Council WG-WSIS meeting in May 2011 in document [WG-WSIS 18/7](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=S11-WSIS18-C-0007) ([http://www.itu.int/md/S11-WSIS18-C-0007](http://www.itu.int/md/S11-WSIS18-C-0007/en))

Oct 2011: SG 17 relevant activities were included in the ‘Joint Report on ITU's Activities related to WSIS Implementation and Follow-up since PP-10’ to Council WG-WSIS meeting in Oct 2011 in document WG-WSIS 19/5 ([http://www.itu.int/md/S11-WSIS19-C-0005](http://www.itu.int/md/S11-WSIS19-C-0005/en)).

April 2012: SG 17 relevant activities were included in the ‘ITU Contribution to the Implementation of the WSIS Outcomes - 2012’ to Council WG-WSIS meeting in June 2012 in document [WG-WSIS 20/8](file:///C:\Users\yang\Documents\WTSA\WTSA%20Action%20Plan\WG-WSIS%2020\8) (<http://www.itu.int/md/S12-WSIS20-C-0008>).

**Action Item 50-09: TSB**

(same comments as those under Action Items 50-04 through 50-08)

WTDC-10 revised Resolution 45, “Mechanisms for enhancing cooperation on cybersecurity, including countering and combating spam”, which continues to refer to cooperation between the two Sectors.

In 2009, General Secretariat and the three Bureaus (BR, TSB and BDT) submitted to Council WG WSIS a draft Roadmap for WSIS Action line C5.

The December 2010 meeting of ITU-T SG 17 reviewed the results of WTDC-10. [SG17 TD/1144R2](http://www.itu.int/md/T09-SG17-101208-TD-PLEN-1144/en) ([http://www.itu.int/md/T09-SG17-101208-TD-PLEN-1144](http://www.itu.int/md/T09-SG17-101208-TD-PLEN-1144/en) ) highlighted items of interest to SG17 in certain WTDC-10 Resolutions, including WTDC-10 Resolution 45.

COM 17 – R 47 Annex K recognized interest of several SG 17 Questions on certain WTDC-10 Resolutions.

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# Resolution 52 - Countering and combating spam

**Resolution 52**

*resolves to instruct the relevant study groups*

*1 to continue to support ongoing work, in particular in Study Group 17, related to countering spam (e.g., e-mail) and to accelerate their work on spam in order to address existing and future threats within the remit and expertise of ITU-T, as appropriate;*

*2 to continue collaboration with the relevant organizations (e.g., the Internet Engineering Task Force (IETF)), in order to continue developing, as a matter of urgency, technical Recommendations with a view to exchanging best practices and disseminating information through joint workshops, training sessions, etc.,*

*further instructs Study Group 17*

*to report regularly to the Telecommunication Standardization Advisory Group on the progress of this resolution,*

*instructs the Director of the Telecommunication Standardization Bureau*

*1 to provide all necessary assistance with a view to expediting such efforts;*

*2 to continue to cooperate with the Secretary-General's initiative on cybersecurity and with the Telecommunication Development Bureau in relation to any item concerning cybersecurity in accordance with Resolution 45 (Doha, 2006) of the World Telecommunication Development Conference, and to ensure coordination among these different activities,*

*invites Member States, Sector Members and Associates*

*to contribute to this work,*

*further invites Member States*

*to take appropriate steps within their national legal frameworks to ensure that appropriate and effective measures are taken to combat spam.*

| Action Item | Action | Milestone | Periodic Goals Met | Completed |
| --- | --- | --- | --- | --- |
| [52-01](#Item52_01) | SG17 to accelerate its work on spam | ongoing | ✓ |  |
| [52-02](#Item52_02) | SGs to accelerate their work on spam | ongoing |  |  |
| [52-03](#Item52_03) | SGs to collaborate with other relevant organizations to develop Recommendations with a view to exchanging best practices; participate in workshops, training sessions, etc. | ongoing | ✓ |  |
| [52-04](#Item52_04) | SG17 to report on progress of Resolution 52 to each meeting of TSAG | Apr-09; Feb-10; ongoing | ✓ |  |

**Action Item 52-01: SG17**

A correspondence group was established to accelerate work on draft new Recommendation X.fcsip, Framework for countering spam in IP-based multimedia applications; this correspondence group has completed its work and has been terminated.

SG 17 has approved 7 Recs. and 3 Supplements. 2 additional texts are in development.

1. The structure of countering spam by technical measures has been established, including 5 levels: technical strategy level, guideline level, framework level, technology level and supplement level. In this structure, branches of this structure are mainly based on the type of spam: email spam, multimedia spam, messaging spam, etc.
2. The important technical work carried out to date in Study Group 17 and in particular Recommendations ITU-T X.1231 (Technical strategies for countering spam), X.1240 (Technologies involved in countering e-mail spam), X.1241 (Technological framework for countering e-mail spam), X.1242 (Short message service (SMS) spam filtering system based on user-specified rules), X.1243 (Interactive gateway system for countering spam), X.1244 (Overall aspects of countering spam in IP-based multimedia applications), X.1245 (Framework for countering spam in IP-based multimedia applications), and X.1246 (Real-time blocking list (RBL)-based framework for countering VoIP spam).
3. To continue collaboration with the relevant organizations, e.g., 3GPP, in order to find effective and efficient measures to countering potential spam.

* The structure of countering spam by technical measures has been established, including 5 levels:
  + technical strategy level
  + guideline level
  + framework level
  + technology level
  + supplement level.
* The important technical work carried out to date in Study Group 17 and in particular Recommendations ITU-T X.1231 (Technical strategies for countering spam), X.1240 (Technologies involved in countering e-mail spam) and X.1241 (Technological framework for countering e-mail spam), X.1242 (Short message service (SMS) spam filtering system based on user-specified rules), X.1243 (Interactive gateway system for countering spam), X.1244 (Overall aspects of countering spam in IP-based multimedia applications), X.1245 (Framework for countering spam in IP-based multimedia applications) and X.1246 (Real-time blocking list (RBL)-based framework for countering VoIP spam).
* Continue collaboration with the relevant organizations, e.g., 3GPP, in order to find effective and efficient measures to countering potential spam.

**Action Item 52-02: SGs**

There is no other activity on this subject to report from other SGs in this study period.

**Action Item 52-03: SGs**

SG 17, as the Lead Study Group on security,

* is working with many bodies including OECD, MAAWG and 3GPP.
* Q5/17, “Countering spam by technical means”, has exchanged best practices with ITU-T SG 2, SG 13, SG 16, ITU-D Q22/1, MAAWG and 3GPP SA3. Working liaison relationship has been established with those bodies. In addition, Q5/17 has reviewed all the relevant documents from the above bodies and from OECD, ENISA and IETF in addition to the above bodies.
* Exchange of information with ITU-T SG 2 mainly covers the scope and characteristics of spam;
* Exchange of information with ITU-T SG 13 and SG 16 mainly covered Recommendation ITU-T X.1245, “[Overall aspects of countering spam in IP-based multimedia applications](javascript:__doPostBack('ctl00$content_search$tv_content','s388\\788\\790\\rec9455'))”. Exchange of information with 3GPP SA3 mainly covers X.Suppl. 12: “Overall aspects of countering mobile messaging spam””
* Exchange of information with ITU-D Q22/1 addresses mainly X-Series Supplement 6: ITU-T X.1240 series – Supplement on countering spam and associated threats.
* For further coordination, the Rapporteur of Q5/17 participated in the 3GPP SA3 meeting held in November, 2010 (Italy) and participated in the discussion on the SPUCI: Specification of Protection against Unsolicited Communications in IMS.

There is no other activity on this subject to report from other SGs in this study period.

**Action Item 52-04: SG17**

SG 17, as the Lead Study Group on security, reports to TSAG. SG17 provided a progress report to the February 2010 TSAG meeting in Attachment 1 to TSAG-[TD83](http://www.itu.int/md/T09-TSAG-100208-TD-GEN-0083/en) ([http://www.itu.int/md/T09-TSAG-100208-TD-GEN-0083](http://www.itu.int/md/T09-TSAG-100208-TD-GEN-0083/en)), which included work on X.fcsip (Framework for countering spam in IP-based multimedia applications), X.tcs-1 (Interactive gateway system for countering spam), X.tcs-2 (Technical means for countering VoIP spam) and X.ics (Functions and interfaces for countering email spam sent by botnet). By September 2011 SG 17 reported that under Question 5/17, Countering spam by technical means, the following had been accomplished:

* Work continued on
* X.ics, *Functions and interfaces for countering email spam sent by botnet*
* A revision was agreed to X.Sup6, *Supplement on countering spam and associated threats*
* Coordinated SG 17 actions regarding WTSA-08 Resolution 52

SG 17 reported to the February 2011 meeting of TSAG in [TD/186](http://www.itu.int/md/T09-TSAG-110208-TD-GEN-0186/en) ([http://www.itu.int/md/T09-TSAG-110208-TD-GEN-0186](http://www.itu.int/md/T09-TSAG-110208-TD-GEN-0186/en) ). SG 17 reported the following achievements related to spam:

* Recommendation ITU-T X.1243, “Interactive gateway system for countering spam” was approved
* Recommendation ITU-T X.1245, “Framework for countering spam in IP-based multimedia applications”, was approved.
* Supplement 11 to Recommendation ITU-T X.1245: Framework based on real-time blocking list (RBL) for countering VoIP spam, was approved.

This SG 17 report also includes information on overall work on security and relations with other bodies.

SG 17 submits a lead study group report on telecommunication security to each TSAG meeting.

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# Resolution 53 - Establishment of a workshop and seminar coordination group

**Resolution 53**

*resolves*

*to establish a workshop and seminar coordination group (WSG), under the supervision of TSAG, to be 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,*

*instructs the Telecommunication Standardization Advisory Group*

*to implement this resolution, to continue to refine WSG's working methods and to appoint the WSG management team, composed of a chairman, and six vice-chairmen from the Americas, Europe, the Commonwealth of Independent States (CIS), Africa, Asia-Pacific and the League of Arab States, to provide regional balance,*

*instructs the Director of the Telecommunication Standardization Bureau*

*to work closely with the Directors of the other Bureaux and provide all necessary support and advice to WSG in its task of encouraging and strengthening the participation of countries in the workshop and seminar activities of ITU-T within the existing budgetary allocation.*

| Action Item | Action | Milestone | Periodic Goals Met | Completed |
| --- | --- | --- | --- | --- |
| [53-01](#Item53_01) | TSAG to develop further guidelines for a workshop and seminar coordination group (WSG) | April-09 and Feb-10 | ✓ |  |
| [53-02](#Item53_02) | TSAG to appoint the management team of the Workshop and seminar coordination group | 30-Apr-09 |  | ✓ |
| [53-03](#Item53_03) | TSAG to oversee the WSG and implementation of Recommendation ITU-T A.31 | April-09 and Feb-10 | ✓ |  |
| [53-04](#Item53_04) | TSB to organize workshops, reporting on planning and results on the ITU-T Workshop and Seminar web page | ongoing | ✓ |  |

**Action Item 53-01: TSB and TSAG**

Done

30 April 2009: No proposals were submitted for further guidelines to the already established seminar coordination committee created during the previous study period. Existing guidelines will continue to be used. See [ITU-T Recommendation A.31](http://www.itu.int/rec/T-REC-A.31-200810-I), "Guidelines and coordination requirements for the organization of ITU-T seminars and workshops" (<http://www.itu.int/rec/T-REC-A.31-200810-I>).

**Action Item 53-02: TSB and TSAG**

Done

30 April 2009: TSAG appointed the TSAG Vice Chairmen as the management team of the workshop and seminar coordination committee.

**Action Item 53-03: TSB and TSAG**

1 Nov 2008: Reporting on seminars and workshops by TSB follows a standardized format including all required information as in Recommendation A.31, Table I.

Done (same notes as those under Action Items 53-01 and 53-02)

**Action Item 53-04: TSB and TSAG**

Information for this action item is posted on the [ITU-T Workshop and Seminar](http://www.itu.int/ITU-T/worksem/index.html) webpage, including calendar information ([http://www.itu.int/ITU-T/worksem](http://www.itu.int/ITU-T/worksem/index.html)).

A report on workshops and seminars was presented to TSAG (April 2009) in [TSAG TD33R1](http://www.itu.int/md/dologin_md.asp?lang=en&id=T09-TSAG-090428-TD-GEN-0033!R1!MSW-E) (<http://www.itu.int/md/dologin_md.asp?lang=en&id=T09-TSAG-090428-TD-GEN-0033!R1!MSW-E>). In 2009, there were some 29 events for a total of 56 days, engaging over 2550 participants. TSB participated in other events organized by others, e.g. BDT Development Forums in the five regions. ITU-T also provided speakers to other events, e.g., BB Broadcasting, organized in 2009. Approximately 75% of the seminars, workshop and other events took place outside of Geneva.

A report on workshops and seminars was submitted to TSAG (8-11 Feb 2010) in [TSAG TD/103R1](http://www.itu.int/md/dologin_md.asp?lang=en&id=T09-TSAG-100208-TD-GEN-0103!R1!MSW-E) (<http://www.itu.int/md/dologin_md.asp?lang=en&id=T09-TSAG-100208-TD-GEN-0103!R1!MSW-E>).

A report on workshops and seminars of 2010 was submitted to TSAG (8-11 Feb 2011) in [TSAG TD222](http://www.itu.int/md/T09-TSAG-110208-TD-GEN-0222/en) ([http://www.itu.int/md/T09-TSAG-110208-TD-GEN-0222](http://www.itu.int/md/T09-TSAG-110208-TD-GEN-0222/en) )

A report on workshops and seminars of 2011 was submitted to TSAG (January 2012) in the report from the TSB Director [http://www.itu.int/md/T09-TSAG-120110-TD-GEN-0308](http://www.itu.int/md/T09-TSAG-120110-TD-GEN-0308/).

For the year 2009, 25% of the events were organized in Geneva, and 75% out of Geneva. For the 2009 events, more than 250 conference calls and meetings, with more than 150 members of steering committees, were held.

For the year 2010, 30% of the events were organized in Geneva and 70% outside Geneva while 35% of events-days were in Geneva and 65% outside of Geneva.

For the year 2011, TSB was involved in the organization of 35 workshops and seminars around the world, either as leader or as co-organizer, some in collaboration with BR and BDT. All ITU workshops are now branded as “ITU workshops” and not as Sector-specific workshops. An ITU-internal Task Force is charged with coordinating workshops and avoiding duplication. In addition in 2011, ITU-T launched a new programme of standalone virtual events that will augment the traditional workshops programme and hosted two webinars in September 2011.

Trend for seminars and workshops (from TSAG TD222 plus updates through June 2012):

| **Year** | **N.**  **Events** | **Total yearly days** | **Average**  **days/event** | **Geneva** | | **outside Geneva** | |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  | days | % | days | % |
| 2002 | 12 | 24 | 2.00 | 11 | 46 | 13 | 54 |
| 2003 | 14 | 36 | 2.57 | 24 | 67 | 12 | 33 |
| 2004 | 15 | 31 | 2.07 | 8 | 26 | 23 | 74 |
| 2005 | 18 | 47 | 2.61 | 16 | 34 | 31 | 66 |
| 2006 | 18 | 41 | 2.28 | 19 | 46 | 22 | 54 |
| 2007 | 15 | 33 | 2.20 | 13 | 30 | 20 | 70 |
| 2008 | 30 | 60 | 2.00 | 21 | 35 | 39 | 65 |
| 2009 | 29 | 56 | 1.93 | 10 | 17 | 46 | 83 |
| 2010 | 23 | 55 | 2.39 | 19 | 36 | 35 | 65 |
| 2011 webinar | 35 | 70 | 2 | 19 | 27 | 51 | 73 |
| No webinar | 33 | 68 | 2.06 | 17 | 25 | 51 | 75 |
| 2012- thru June’12 | 26 | 58 | 2.23 | 17 | 29 | 41 | 71 |

An on-line Survey tool was trailed for ITU-T Workshops and Seminars web pages starting in July 2009, however it was dropped because of lack of use. It has been replaced with a paper form which participants are encouraged to fill in directly after the event. Participants can give a satisfaction rating on a scale of 1 (low) to 5 (high), with responses being used by TSB to improve performance. To date, ratings are in range of 4-5.

The Directors of the three Bureaux set up an internal task force to coordinate and harmonize workshops and seminars. All events will be branded as ITU events instead of ITU-T, ITU-R or ITU-D events.

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# Resolution 54 - Creation of regional groups

**Resolution 54**

*resolves*

*to support, within available or otherwise contributed resources and on a case-by-case basis, the creation of regional groups,*

*invites the regions*

*1 to develop draft terms of reference and working methods for regional groups, which are to be approved by the parent study group;*

*2 to pursue the creation of regional groups with a view to disseminating knowledge of standardization and encouraging the submission of written contributions to the parent study group reflecting the priorities of the relevant region,*

*invites the regional groups thus created*

*1 to disseminate information about telecommunication standardization and to submit written contributions to the parent study group reflecting the priorities of the relevant region;*

*2 to cooperate closely with the relevant respective regional organizations,*

*instructs the Director of the Telecommunication Standardization Bureau, in collaboration with the Director of the Telecommunication Development Bureau, within available resources*

*1 to provide all necessary support for creating and ensuring the smooth functioning of the regional groups;*

*2 to take all necessary measures to facilitate the organization of meetings and workshops of those groups;*

*3 to report on the effectiveness of regional groups to the ITU Council,*

*further invites the regional groups thus created*

*to cooperate closely with the relevant respective regional organizations, and to report on their work in their regions.*

| Action Item | Action | Milestone | Periodic Goals Met | Completed |
| --- | --- | --- | --- | --- |
| [54-01](#Item54_01) | TSB to develop draft guidelines for uniform application of regional groups across the study groups of ITU-T | 01-Nov-09 |  |  |
| [54-02](#Item54_02) | TSAG to review experience with regional groups created under Resolution 54 and approve guidelines for creation and operation of regional groups | 30-Jun-12 |  |  |
| [54-03](#Item54_03) | TSB to assess budget implications of Resolution 54 | 15-May-09 |  |  |
| [54-04](#Item54_04) | Director to report to Council on the effectiveness of regional groups | 01-Aug-10 |  |  |

**Action Item 54-01: TSB**

A report on regional groups is shown in Council 2009 [C09/35Add.1](http://www.itu.int/md/S09-CL-C-0035/en), section III, "WTSA Resolution 54 Creation of regional groups", contains a report of all regional group activities in 2008 and 2009 ([http://www.itu.int/md/S09-CL-C-0035](http://www.itu.int/md/S09-CL-C-0035/en)). Reports on the regional groups of ITU-T Study Groups 2, 3, 5 and 12 were included in ‘Report on the implementation of the Strategic Plan and activities of the Union’ to Council 2010 in [C10/35](http://www.itu.int/md/S10-CL-C-0035/en)([http://www.itu.int/md/S10-CL-C-0035](http://www.itu.int/md/S10-CL-C-0035/en)), Council 2011 in [C11/35](http://www.itu.int/md/S11-CL-C-0035/en) ([http://www.itu.int/md/S11-CL-C-0035](http://www.itu.int/md/S11-CL-C-0035/en)), and Council 2012 in [C12/35](http://www.itu.int/md/S12-CL-C-0035/en) ([http://www.itu.int/md/S12-CL-C-0035](http://www.itu.int/md/S12-CL-C-0035/en) ).

SG3 regional groups met March 2009 in Vietnam (Asia-Oceania), May 2009 in Mozambique (Africa) and June 2009 in Peru (Latin America). New regional groups have been created, and held meetings, under Study Groups 2, 5 and 12. Experience of the regional groups is being monitored for use in future development of guidelines.

TSB submitted [TSAG TD116](http://www.itu.int/md/T09-TSAG-100208-TD-GEN-0116/en) ([http://www.itu.int/md/T09-TSAG-100208-TD-GEN-0116](http://www.itu.int/md/T09-TSAG-100208-TD-GEN-0116/en)) to TSAG (8-11 Feb 2010) with status on groups established, description of new resource implications, some guidelines and a request to TSAG for additional guidance.

TSB plans to draft guidelines on best practices for regional groups before WTSA-12.

The following groups exist as of June 2012 ([www.itu.int/ITU-T/othergroups](http://www.itu.int/ITU-T/othergroups))

* SG2: Regional Group
  1. [Regional Group of SG2 in the ARAB Region](http://www.itu.int/ITU-T/studygroups/com02/rg2arb/index.html) ([http://www.itu.int/ITU-T/studygroups/com02/rg2arb)](http://www.itu.int/ITU-T/studygroups/com02/rg2arb/index.html))
     1. First Regional Group Meeting: 26 March 2007, Sharm El Sheikh, Egypt; [Meeting Documents](http://www.itu.int/md/T05-SG02RG.ARB-070326/sum/en) ([http://www.itu.int/ITU-T/studygroups/com02/rg2eaco](http://www.itu.int/ITU-T/studygroups/com02/rg2eaco/index.html))
     2. Second Regional Group Meeting: 19 July 2008, Damascus, Syria; [Meeting Documents](http://www.itu.int/md/T05-SG02RG.ARB-080719/sum/en) ([http://www.itu.int/md/T05-SG02RG.ARB-080719/sum](http://www.itu.int/md/T05-SG02RG.ARB-080719/sum/en))
     3. Third Regional Group Meeting: 8 July 2009, Beirut, Lebanon; [Meeting Documents](http://www.itu.int/md/T09-SG2RG.ARB-090708/sum/en) ([http://www.itu.int/md/T09-SG2RG.ARB-090708/sum](http://www.itu.int/md/T09-SG2RG.ARB-090708/sum/en))
     4. Fourth Regional Group Meeting: 27 April 2011, Khartoum, Sudan; [Meeting Documents](http://www.itu.int/md/T09-SG2RG.ARB-110427/sum/en) ([http://www.itu.int/md/T09-SG2RG.ARB-110427/sum](http://www.itu.int/md/T09-SG2RG.ARB-110427/sum/en) )
     5. Fifth Regional Group Meeting: 14 December 2011, Dubai, UAE; [Meeting Documents](http://www.itu.int/md/T09-SG2RG.ARB-111214/sum/en) (http://www.itu.int/md/T09-SG2RG.ARB-111214/sum)
  2. [Study Group 2 Regional Group for East Africa](http://www.itu.int/ITU-T/studygroups/com02/rg2eaco/index.html) ([http://www.itu.int/ITU-T/studygroups/com02/rg2eaco](http://www.itu.int/ITU-T/studygroups/com02/rg2eaco/index.html))
     1. At its 16-24 November 2009 meeting, ITU-T Study Group 2 duly recognized the Standardization Group of the East Africa Communications Organization as an ITU-T [Study Group 2 regional group](http://www.itu.int/ITU-T/studygroups/com02/rg2eaco/index.html).
* SG3: Regional Groups
  1. [Regional Group for Africa](http://www.itu.int/ITU-T/othergroups/taf/index.asp) (<http://www.itu.int/ITU-T/othergroups/taf/index.asp> )
     1. First Regional Group Meeting: 4-8 May 2008, Maputo, Mozambique; [Meeting Documents](http://www.itu.int/md/T09-SG3RG.AFR-090504/sum/en) ([http://www.itu.int/md/T09-SG3RG.AFR-090504/sum)](http://www.itu.int/md/T09-SG3RG.AFR-090504/sum/en))
     2. Second Regional Group Meeting, 16-19 March 2010, Dakar, Senegal; [Meeting Documents](http://www.itu.int/md/T09-SG3RG.AFR-100316/sum/en) ([http://www.itu.int/md/T09-SG3RG.AFR-100316/sum](http://www.itu.int/md/T09-SG3RG.AFR-100316/sum/en))
     3. Third Regional Group Meeting, 19-20 May 2011, Gaborone, Botswana; [Meeting Documents](http://www.itu.int/md/T09-SG3RG.AFR-110519/sum/en) ([http://www.itu.int/md/T09-SG3RG.AFR-110519/sum](http://www.itu.int/md/T09-SG3RG.AFR-110519/sum/en))
     4. Fourth Regional Group meeting, 08 - 11 May 2012, Cotonou, Benin; Meeting Documents (http://www.itu.int/md/T09-SG3RG.AFR-120508/sum)
  2. [Regional Group for Asia and Oceania](http://www.itu.int/ITU-T/othergroups/tas/index.asp) (<http://www.itu.int/ITU-T/othergroups/taf/index.asp)>
     1. First Regional Group Meeting, 4-6 March 2009, Hanoi, Vietnam: [Meeting Documents](http://www.itu.int/md/meeting.asp?lang=en&parent=T09-SG3RG.AO-090304) (<http://www.itu.int/md/meeting.asp?lang=en&parent=T09-SG3RG.AO-090304)>
     2. Second Regional Group Meeting, 26-28 April 2010, Beijing, China: [Meeting Documents](http://www.itu.int/md/meeting.asp?lang=en&parent=T09-SG3RG.AO-100426) (<http://www.itu.int/md/meeting.asp?lang=en&parent=T09-SG3RG.AO-100426>)
     3. Third Regional Group Meeting, 8-11 March 2011, Phuket, Thailand: [Meeting Documents](http://www.itu.int/md/T09-SG3RG.AO-110308/sum/en) ([http://www.itu.int/md/T09-SG3RG.AO-110308/sum](http://www.itu.int/md/T09-SG3RG.AO-110308/sum/en) )
     4. Fourth Regional Group meeting, 28 - 30 May 2012, Bali, Indonesia: Meeting Documents (http://www.itu.int/md/T09-SG3RG.AO-120528/sum)
  3. [Regional Group for Latin America and the Caribbean](http://www.itu.int/ITU-T/othergroups/tal/index.asp) (<http://www.itu.int/ITU-T/othergroups/tal/index.asp>)
     1. First Regional Group Meeting, 23-26 June 2009, Lima, Peru: [Meeting Documents](http://www.itu.int/md/meeting.asp?lang=en&parent=T09-SG3RG.LAC-090623) ([http://www.itu.int/md/meeting.asp?lang=en&parent=T09-SG3RG.LAC-090623)](http://www.itu.int/md/meeting.asp?lang=en&parent=T09-SG3RG.LAC-090623)
     2. Second Regional Group Meeting, 6-9 July 2010, Santo Domingo, Dominican Republic: [Meeting Documents](http://www.itu.int/md/meeting.asp?lang=en&parent=T09-SG3RG.LAC-100706) (<http://www.itu.int/md/meeting.asp?lang=en&parent=T09-SG3RG.LAC-100706>)
     3. Third Regional Group Meeting: 15-18 February 2011, San Salvador, El Salvador: [Meeting Documents](http://www.itu.int/md/T09-SG3RG.LAC-110215/sum/en) ([http://www.itu.int/md/T09-SG3RG.LAC-110215/sum](http://www.itu.int/md/T09-SG3RG.LAC-110215/sum/en) )
     4. Fourth Regional Group meeting, 15-16 March 2012, Asuncion, Paraguay: Meeting Documents (http://www.itu.int/md/T09-SG3RG.LAC-120315/sum)
  4. [Regional Group for Europe and Mediterranean Basin](http://www.itu.int/ITU-T/othergroups/teurem/index.html) ([http://www.itu.int/ITU-T/othergroups/teurem](http://www.itu.int/ITU-T/othergroups/teurem/index.html))
* SG5: Regional Groups
  1. [Regional Group for the Africa Region](http://www.itu.int/ITU-T/studygroups/com05/rg5afr/index.html) ([http://www.itu.int/ITU-T/studygroups/com05/rg5afr](http://www.itu.int/ITU-T/studygroups/com05/rg5afr/index.html)). Mailing list established at [t09sg5rgafr@lists.itu.int](mailto:t09sg5rgafr@lists.itu.int)
     1. First Regional Group Meeting, 29 July 2010, Nairobi, Kenya: [Meeting Documents](http://www.itu.int/md/T09-SG5RG.AFR-100729/sum/en) ([http://www.itu.int/md/T09-SG5RG.AFR-100729/sum)](http://www.itu.int/md/T09-SG5RG.AFR-100729/sum/en)
     2. Second Regional Group Meeting, 27 July 2011, Gaborone, Botswana; [Meeting Documents](http://www.itu.int/md/T09-SG5RG.AFR-110727/sum/en) ([http://www.itu.int/md/T09-SG5RG.AFR-110727/sum](http://www.itu.int/md/T09-SG5RG.AFR-110727/sum/en))
     3. Third Regional Group meeting, 20 July 2012, Cotonou, Benin
  2. [Regional Group for the Arab Region](http://www.itu.int/ITU-T/studygroups/com05/rg5arb/index.html) ([http://www.itu.int/ITU-T/studygroups/com05/rg5arb](http://www.itu.int/ITU-T/studygroups/com05/rg5arb/index.html)). Mailing list established at <mailto:t09sg5rgarb@lists.itu.int>
     1. The Arab States decided, at its "2nd meeting of Arab Permanent Group for Standardization" (Lebanon, 7-9 July 2009) to propose the creation of a Regional Group for SG5. The main objectives of this Arab Regional Group are to maximize the involvement of Arab States in relevant activities of ITU-T SG5 and disseminate the relevant information of the Study Group on environment and climate change.
  3. ITU-T Study Group 5, at its plenary meeting on 12 April 2010 in Buenos Aires (Argentina), established a [Regional Group for Latin America and the Caribbean](http://www.itu.int/ITU-T/studygroups/com05/rg5lac/index.html) including the electromagnetic environment and climate change ([http://www.itu.int/ITU-T/studygroups/com05/rg5lac](http://www.itu.int/ITU-T/studygroups/com05/rg5lac/index.html)). Mailing list was established at <mailto:t09sg5rglac@lists.itu.int>
     1. Since its creation, this group has worked to disseminate information about the activities of SG 5, to seek information regarding the region countries needs on the issue human exposure to EMF and to provide technical support in this area, presenting the related ITU Recommendations. The representatives of this group participate in different regional meetings and seminars. A Regional seminar on EMF and the first [SG5 RG-LAC meeting was held from 16-17 December 2010](http://www.itu.int/ITU-D/tech/indexAMSEvents.html), in Buenos Aires, Argentina   
        (<http://www.itu.int/ITU-D/tech/indexAMSEvents.html> ).
* SG12: Regional Group
  1. [Regional Group of SG12 on QoS for the Africa Region](http://www.itu.int/ITU-T/studygroups/com12/rg12afr/index.html) ([http://www.itu.int/ITU-T/studygroups/com12/rg12afr)](http://www.itu.int/ITU-T/studygroups/com12/rg12afr/index.html))
     1. [First preparatory meeting](http://www.itu.int/oth/T120400000A/en): 27 May 2008, Geneva ([http://www.itu.int/oth/T120400000A](http://www.itu.int/oth/T120400000A/en))
     2. First meeting: 18-19 June 2009, Accra, Ghana; [Meeting Documents](http://www.itu.int/md/T09-SG12RG.AFR-090618/sum/en) ([http://www.itu.int/md/T09-SG12RG.AFR-090618/sum](http://www.itu.int/md/T09-SG12RG.AFR-090618/sum/en)); [Executive Summary](http://www.itu.int/ITU-T/studygroups/com12/rg12afr/exec-sum.html) (<http://www.itu.int/ITU-T/studygroups/com12/rg12afr/exec-sum.html>)
     3. Second meeting: 28 July 2010, Nairobi, Kenya; [Meeting Documents](http://www.itu.int/md/T09-SG12RG.AFR-100728/sum/en) ([http://www.itu.int/md/T09-SG12RG.AFR-100728/sum](http://www.itu.int/md/T09-SG12RG.AFR-100728/sum/en))
     4. Third meeting: 28029 July 2011, Gaborone, Botswana; [Meeting Documents](http://www.itu.int/md/T09-SG12RG.AFR-110728/sum/en) ([http://www.itu.int/md/T09-SG12RG.AFR-110728/sum](http://www.itu.int/md/T09-SG12RG.AFR-110728/sum/en))
     5. Fourth Regional Group meeting, 18 July 2012, Cotonou, Benin (http://www.itu.int/md/T09-SG12RG.AFR-120718/sum)

**Jeopardy Item:**

Guidelines have not been drafted as of July 2012.

**Action Item 54-02: TSAG**

(same comments as those under Action Item 54-01)

**Critical Path Item:**

No guidelines exist for the regional groups associated with SGs other than SG3. The new regional groups’ experiences have not yet been reviewed, awaiting input from TSB. Draft guidelines is being drafted by TSB for further review before WTSA-12.

**Action Item 54-03: TSB**

Newly established regional groups are requiring significant TSB resources for their start-up phase, in addition to logistical, staff and fellowship support for regional group meetings. TSB has assessed this situation and is providing some degree of support.

Regional Groups require significant resources in terms of management and support, and with regard to logistical, staff and fellowship arrangements for meetings. Meeting support includes in addition translation and interpretation services, as well as counsellor and assistant travel, and creation and maintenance of multiple new websites.

The cost of a regional group meeting is on averages estimated at some 40 /50 KCHF. This figure would have to be multiplied by ten to arrive at a total estimated annual cost, assuming each regional group holds one meeting every year and based on the ten regional groups currently existing. Costs depend essentially upon the level of interpretation services, travel costs (number of travels and location of the meeting), and the level of fellowships.

**Action Item 54-04: TSB**

A report on regional groups is shown in Council 2009 [C09/35Add.1](http://www.itu.int/md/S09-CL-C-0035/en), section III, "WTSA Resolution 54 Creation of regional groups", contains a report of all regional group activities in 2008 and 2009 ([http://www.itu.int/md/S09-CL-C-0035](http://www.itu.int/md/S09-CL-C-0035/en)).

Council 2010 [C10/35](file:///C:\Users\yang\Documents\WTSA\WTSA%20Action%20Plan\C10\35), clause 59 (<http://www.itu.int/md/S10-CL-C-0035> ), reports on the status of regional groups in ITU-T Study Groups 2, 3, 5 and 12. Details regarding each of the regional groups’ mandates and activities were reported by TSB to TSAG in [TSAG TD116](file:///C:\Users\yang\Documents\WTSA\WTSA%20Action%20Plan\TSAG%20TD116) (February 2010) (<http://www.itu.int/md/T09-TSAG-100208-TD-GEN-0116!!MSW-E>). An assessment of the effectiveness of regional groups has not yet been completed, as there is limited experience with these new groups as of mid-2010.

Reports on the status of regional groups of ITU-T Study Groups 2, 3, 5 and 12 were included in ‘Report on the implementation of the Strategic Plan and activities of the Union’ to Council 2011 in [C11/35](http://www.itu.int/md/S11-CL-C-0035/en) ([http://www.itu.int/md/S11-CL-C-0035](http://www.itu.int/md/S11-CL-C-0035/en) ) and to Council 2012 in [C12/35](http://www.itu.int/md/S12-CL-C-0035/en) ([http://www.itu.int/md/S12-CL-C-0035](http://www.itu.int/md/S12-CL-C-0035/en) ).

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# Resolution 55 - Mainstreaming gender in ITU-T activities

**Resolution 55**

*resolves*

*1 that ITU-T should encourage the inclusion of a gender perspective, including the use of gender-neutral language, in the work of all ITU-T activities and groups, including the Telecommunication Standardization Advisory Group (TSAG) and the ITU-T study groups;*

*2 that the gender perspective should be taken into account in the implementation of all relevant outcomes of this assembly,*

*instructs the Director of the Telecommunication Standardization Bureau*

*1 to encourage the mainstreaming of a gender perspective in the work of the Telecommunication Standardization Bureau in accordance with the principles already applied in ITU;*

*2 to encourage Member States and Sector Members to contribute to meeting gender-equality objectives through the participation of qualified women and men in standardization activities as well as in leadership positions;*

*3 to encourage the participation and leadership of women in all aspects of ITU-T activities, and note the proportional representation by gender;*

*4 to conduct an annual review on progress made in the Sector in advancing gender mainstreaming, and to share findings with TSAG and the next world telecommunication standardization assembly,*

*invites the Secretary-General*

*to encourage ITU staff to take account of the gender-neutral guidelines of the ITU English Language Style Guide and to avoid, as much as possible, the use of gender-specific terms,*

*invites Member States and Sector Members*

*to submit candidatures to chairman/vice-chairman posts to support the active involvement of women experts in standardization groups and activities, and in their own administrations and delegations.*

| Action Item | Action | Milestone | Periodic Goals Met | Completed |
| --- | --- | --- | --- | --- |
| [55-01](#Item55_01) | Director to conduct annual review on gender mainstreaming; share findings with TSAG and WTSA-12 | annual (1 Feb) |  | ✓ |
| [55-02](#Item55_02) | Director to solicit candidature of women experts for chairman/VC posts | Mar-12 |  | ✓ |
| [55-03R1](#Item55_03) | Director to encourage MS and SM to include qualified women and men in their delegations and administrations | ongoing | ✓ |  |

**Action Item 55-01: TSB**

Data on gender in TSB posts is being compiled. Report will be prepared when recruitment associated with TSB reorganization has been completed. Vacancy notices have, at the top of the notice, the note: "Applications from women are encouraged”

Statistics on participation in ITU-T meetings have been compiled annually:

|  |  |  |
| --- | --- | --- |
| Year | % female | % male |
| 2009 | 13.8 | 86.2 |
| 2010 | 14.8 | 85.2 |
| 2011 | 14.3 | 85.7 |
| 2012 | 15 | 85 |

**Action Item 55-02: TSB**

Done

It was included in the invitation from TSB to ITU-T membership to submit candidates for study group chairmen and vice chairmen ([TSB Circular 251](http://www.itu.int/md/T09-TSB-CIR-0251), [http://www.itu.int/md/T09-TSB-CIR-0251](http://www.itu.int/md/T09-TSB-CIR-0251/en)).

**Action Item 55-03R1: MS and SM**

Note revised PP-10 Resolution 70 on “Gender mainstreaming in ITU and promotion of gender equality   
and the empowerment of women through information and communication technologies”.

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# Resolution 56 - Roles of TSAG and ITU-T study group vice-chairmen from developing countries

**Resolution 56**

*resolves*

*1 that all vice-chairmen from developing countries be charged with the responsibility to:*

*i) mobilize all ITU members in the region to participate in the ITU standardization activities*

*ii) make mobilization and participation reports to the ITU body concerning the region*

*iii) prepare and submit a mobilization programme for the regions that they represent at the first meeting of TSAG or a study group;*

*2 that the ITU regional offices shall assist the vice-chairmen, within the offices' budgets, to mobilize members within their respective regions for increased standardization participation,*

*instructs the Director of the Telecommunication Standardization Bureau*

*1 to work closely with the Director of the Telecommunication Development Bureau (BDT) on availing the support needed for regional mobilization for standardization;*

*2 taking into account financial constraints and existing and planned BDT activities, to include in the Telecommunication Standardization Bureau (TSB) budget proposal to the ITU Council funds identified for the implementation of this resolution;*

*3 to assist in institutionalizing these terms of reference in the working of TSAG and ITU T study groups, to ensure that the specific ToR are made known to aspiring vice-chairmen before their appointment.*

| Action Item | Action | Milestone | Periodic Goals Met | Completed |
| --- | --- | --- | --- | --- |
| [56-01](#Item56_01) | TSB Counsellors to bring Resolution 56 to attention of each SG and TSAG | 01-May-09 |  | ✓ |
| [56-02](#Item56_02) | Relevant VCs to develop mobilization plans, including activities with ITU regional offices, and submit their report to the next meeting of the SGs and TSAG | ongoing |  |  |
| [56-03](#Item56_03) | TSB Director to include necessary funds to implement Resolution 56 in biennial budget proposal to Council-09 | 15-May-09 |  | ✓ |
| [56-04](#Item56_04) | TSB Director to include necessary funds to implement Resolution 56 in biennial budget proposal to Council-11 | 15-May-11 |  | ✓ |
| [56-05](#Item56_05) | Director to include Resolution 56 provisions for vice-chairmen in Circular soliciting candidates for WTSA-12 consideration | 31-Jan-12 |  | ✓ |

**Action Item 56-01: TSB**

Done

15 December 2008: This was done at the meeting of the SG and TSAG Chairs and Vice Chairs, 15-16 Dec 2008.

**Action Item 56-02:**

28 April 2009: SG13 (12-23 January 2009) established ad hoc groups on mobilization and participation, and assistance to developing countries to reduce the standardization gap (see report from SG13 in [TSAG TD35](http://www.itu.int/md/T09-TSAG-090428-TD-GEN-0035/en), April 2009) ([http://www.itu.int/md/T09-TSAG-090428-TD-GEN-0035](http://www.itu.int/md/T09-TSAG-090428-TD-GEN-0035/en)). The Mobilization and Participation Ad-Hoc group met during the September 2009 SG13 meeting (see [SG13 Report 11](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=T09-SG13-R-0011), section 9.1) ([http://www.itu.int/md/T09-SG13-R-0011](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=T09-SG13-R-0011) ) meeting, where it:

* analyzed the statistics on participation and contributions distribution per regions,
* reviewed the progress to date including status report of the ICT foras and consortia survey which carried out by the CJK (China-Japan-Korea) group (see TD 62 WP 1/13)
* agreed to promote the SG 13 and Ad-Hoc groups at regional workshops and
* confirmed the plans for the two Ad-Hoc activities in the future (as shown in TD 26 (PLEN/13)).

**Action Item 56-03: TSB**

Done

20 August 2009: TSB budget for 2010-2011 includes a new line item for BSG, funded at a level of 685,000 CHF for the biennium (Ref: Council 2009 [C09/10](file:///C:\Users\yang\Documents\WTSA\WTSA%20Action%20Plan\C09\10), clause 72) ([http://www.itu.int/md/S09-CL-C-0010](http://www.itu.int/md/S09-CL-C-0010/en)).

**Action Item 56-04: TSB**

The proposed TSB budget for 2012-2013 will continue to include the BSG line item, funded at a level of 473,000 CHF for the biennium (Ref: Council 2011, [C11/10](file:///C:\Users\yang\Documents\WTSA\WTSA%20Action%20Plan\C11\10), clause 64 and in Annex B) ([http://www.itu.int/md/S11-CL-C-0010](http://www.itu.int/md/S11-CL-C-0010/en) )

**Action Item 56-05: TSB**

It has been reflected in the invitation from TSB to ITU-T membership to submit candidates for study group chairmen and vice chairmen ([TSB Circular 251](http://www.itu.int/md/T09-TSB-CIR-0251/en), [http://www.itu.int/md/T09-TSB-CIR-0251](http://www.itu.int/md/T09-TSB-CIR-0251/en)). (See Resolution 35)

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# Resolution 57 - Strengthening coordination and cooperation among ITU-R, ITU-T and ITU-D on matters of mutual interest

**Resolution 57**

*resolves*

*1 to invite the Radiocommunication (RAG), Telecommunication Standardization (TSAG) and Telecommunication Development (TDAG) advisory groups to assist in the identification of subjects common to the three Sectors and mechanisms to enhance cooperation and collaboration in all Sectors on matters of mutual interest;*

*2 to invite the Directors of the Radiocommunication (BR), Telecommunication Standardization (TSB) and Telecommunication Development (BDT) Bureaux to collaborate and report to the respective Sector advisory bodies on options for improving cooperation at the secretariat level to ensure that close coordination is maximized.*

| Action Item | Action | Milestone | Periodic Goals Met | Completed |
| --- | --- | --- | --- | --- |
| [57-01](#Item57_01) | Each TSAG meeting to identify if there are new subjects potentially of common interest with the other Sectors and obtain a response on the other Sectors' interest during that same TSAG meeting | ongoing | ✓ |  |
| [57-02](#Item57_02) | Regular meetings of the management of the three Bureaux will discuss coordination and cooperation improvements at the Secretariat level and Director of TSB to report results to TSAG | 30-Nov-09 | ✓ |  |
| [57-03](#Item57_03) | TSB to discuss with other Bureaux joint meeting of SG Chairmen of ITU-T, ITU-R and ITU-D | ongoing |  |  |

**Action Item 57-01: TSAG**

TSAG Chairman to organize a kick-off teleconference with the other advisory group chairmen to identify issues using WTSA-08 Resolution 57 as a starting point ([TSAG R1](http://www.itu.int/md/T09-TSAG-R-0001/en), §10.4) (Also see Action Item 45-01) ([http://www.itu.int/md/T09-TSAG-R-0001](http://www.itu.int/md/T09-TSAG-R-0001/en)). RAG and TDAG Chairmen have attended TSAG meetings.

TSAG asked the TSB Director report to TSAG on a regular basis on any issues (and their solutions) that might arise between ITU-T and ITU-R ([TSAG R-3](http://www.itu.int/md/T09-TSAG-R-0003/en), §15.4.1) ([http://www.itu.int/md/T09-TSAG-R-0003](http://www.itu.int/md/T09-TSAG-R-0003/en)).

TSB provided a report to TSAG (Feb 2011) in [TSAG TD200](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=T09-TSAG-110208-TD-GEN-0200) with an analysis of WTDC-10 Resolutions which reference ITU-T work ([http://www.itu.int/md/T09-TSAG-110208-TD-GEN-0200](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=T09-TSAG-110208-TD-GEN-0200) ).

**Action Item 57-02: TSB**

30 April 2009: TSAG agreed that the TSAG Chairman will organize a kick-off teleconference with the other advisory group chairmen to identify issues using WTSA-08 Resolution 57 as a starting point.

Joint forum of ITU-T and ITU-R on Technical Compatibility between Power Line Telecommunication systems and Radiocommunication services was held on 27 May 2011. The objective of this one-day forum was to discuss the potential interference effects of PLT technology into the radio frequency spectrum in light of the latest technological PLT developments that touch the radio spectrum up to the frequency ranges used in homes for broadcasting reception. Mitigation techniques need to be developed and standardization efforts are necessary to overcome these technical challenges.

The three Sector Directors and their D-level staff met in January 2011. They agreed on the establishment of an inter-Sector Workshop Task Force to coordinate workshops across the three Sectors. Workshops are now branded as ITU workshops, rather than ITU-T workshops. An inter-Sector Conformity and Interoperability Task Force is also operational.

**Action Item 57-03: TSB**

TSB Director proposed to TSAG (Feb 2010) that a joint leadership meeting among ITU-T and ITU-R study group chairmen, including possibly ITU-D study group chairmen, be envisioned in the future.

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# Resolution 58 - Encourage the creation of national Computer Incident Response Teams, particularly for developing countries

**Resolution 58**

*resolves*

*to support the creation of national CIRTs in Member States, where CIRTs are needed and are currently absent,*

*instructs the Director of the Telecommunication Standardization Bureau, in collaboration with the Director of the Telecommunication Development Bureau*

*1 to identify best practices to establish CIRTs;*

*2 to identify where CIRTs are needed;*

*3 to collaborate with international experts and bodies to establish national CIRTs;*

*4 to provide support, as appropriate, within existing budgetary resources;*

*5 to facilitate collaboration between national CIRTs, such as capacity building and exchange of information, within an appropriate framework,*

*invites the Member States*

*1 to consider the creation of a national CIRT as a high priority;*

*2 to collaborate with other Member States and with Sector Members,*

*invites Member States and Sector Members*

*to cooperate closely with the ITU Telecommunication Standardization Sector and ITU-D in this aspect.*

| Action Item | Action | Milestone | Periodic Goals Met | Completed |
| --- | --- | --- | --- | --- |
| [58-01](#Item58_01) | Director, in collaboration with BDT Director and SG17, to identify best practices to establish CIRTs and identify where CIRTs are needed | 30-Jun-10 and ongoing |  |  |
| [58-02](#Item58_02) | Director, in collaboration with BDT Director, to facilitate capacity building and information exchange between national CIRTs | 30-Jun-10 and ongoing |  |  |
| [58-03](#Item58_03) | Q.3/17 agreed to study the issue of CIRTs creation and possibility to provide a guideline in line with X.1056 (Security incident management for telecommunication organizations). Q.3/17 actions in this area will be done in collaboration with Q.4/17 and other relevant Questions and Recommendations (e.g., E.409) | ongoing | ✓ |  |
| [58-04](#Item58_04) | Q.4/17 to establish a correspondence group related to this item. | 20-Feb-09 |  | ✓ |

**Action Item 58-01: TSB**

This Action Item is to be led by BDT.

Representative of the TSB Director participated in a BDT workshop on cybersecurity (Santo Domingo, November 2009). Initial discussions between TSB and BDT have begun for consideration of best practices for establishing CIRTs, and capacity building and information exchange between national CIRTs.

FIRST (Forum for Incident Response and Security Teams) is actively involved in the work of Q4/17 (Cybersecurity), and a formal relationship is under evaluation by the Director of TSB. FIRST represents more than 200 CIRT teams around the world. The FIRST website is found at <http://www.first.org/>

IMPACT (The International Multilateral Partnership Against Cyber-Terrorism) has been brought in the work of Q4/17 by the BDT and TSB. IMPACT has applied to be a Sector Member of ITU-T. The IMPACT website is found at <http://www.impact-alliance.org/>

January 2011:

* FIRST became an ITU-T Sector Member (2010).
* Q3/17 “Telecommunications information security management” and Q4/17 prepared a global directory of cybersecurity organizations, including CIRTs, which is currently hosted and maintained by the TSB on its website at: [http://www.itu.int/ITU-T/studygroups/com17/nfvo](http://www.itu.int/ITU-T/studygroups/com17/nfvo/index.html). This is a step forward in global collaboration among organizations.
* Joint meeting of Q3/17 and Q4/17 agreed to enhance collaboration among ITU-T-Q3/Q4 and ITU-D-Q22-1, e.g., sharing Directory with ITU-D and producing guidelines with collaboration among Questions.
* TSB participated in a BDT workshop on cybersecurity (Santo Domingo, November 2009). Initial discussions between TSB and BDT have begun for consideration of best practices for establishing CIRTs, and capacity building and information exchange between national CIRTs.
* FIRST (Forum for Incident Response and Security Teams) is actively involved in the work of Q.4/17, and became a Sector Member of ITU-T (Council 2010). FIRST represents more than 200 CIRT teams around the world.
* Q2/17 “Security architecture and framework” is developing draft Recommendation ITU-T X.ncns-1 “Guidance for creating national IP-based public network security center for developing countries”.

**Action Item 58-02: TSB**

This Action Item is to be led by BDT.

**Action Item 58-03: SG17**

Q3/17 started work in collaboration with Q4/17 to study the issue of CIRTs creation and possibly to provide a guideline in line with X.1056. A note to the Director of TSB was prepared and sent.

January 2011:

* Q3/17 started work in collaboration with Q4/17 and Q22/ITU-D and FIRST to study CIRT creation and envision developing a guideline in line with Recommendation ITU-T X.1056 for the purpose of providing useful technical information to developing countries.
* Question 2/17 “Security architecture and framework” is studying draft X.ncns-1 “National IP-based public network security center for developing countries”.
* A compilation of Network Forensic and Vulnerability Organizations is available at: [http://www.itu.int/ITU-T/studygroups/com17/Pages/nfvo.aspx](http://www.itu.int/en/ITU-T/studygroups/com17/Pages/nfvo.aspx)

**Action Item 58-04: SG17**

Done

Q4/17 “Cybersecurity” has established a correspondence group related to CIRTs. A coherent work plan has been initiated under the project name CYBEX.

The Cybersecurity Information Exchange (CYBEX) initiative provides a suite of techniques to facilitate CIRTs information exchange worldwide. [X.1500](http://www.itu.int/itu-t/recommendations/rec.aspx?id=11060) (<http://www.itu.int/itu-t/recommendations/rec.aspx?id=11060>) was approved by SG17 on 20 April 2011.

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# Resolution 59 - Enhancing participation of telecommunication operators from developing countries

**Resolution 59**

*resolves to invite the Director of the Telecommunication Standardization Bureau*

*1 to encourage Sector Members from the developed countries to promote the participation in ITU-T activities of their subsidiaries installed in developing countries;*

*2 to develop mechanisms to support the effective participation by telecommunication operators from developing countries in standardization activities,*

*invites Member States*

*to encourage their Sector Members to participate in ITU-T activities.*

| Action Item | Action | Milestone | Periodic Goals Met | Completed |
| --- | --- | --- | --- | --- |
| [59-01](#Item59_01) | TSB to use local promotion media to promote ITU-T events and membership in the region (Also see Resolution 17, 44, …) | ongoing | ✓ |  |
| [59-02](#Item59_02) | Director to encourage SMs from developing countries to contribute to CTO Group meetings | ongoing | ✓ |  |
| [59-03](#Item59_03) | Director to grant fellowships for network operators from developing countries | ongoing | ✓ |  |

**Action Item 59-01: TSB**

TSB Director and other officials have often taken the opportunity to engage with media on various missions in developing countries (and otherwise). In addition, Newslog entries and press releases are picked up by media almost on a daily basis in developing countries.

Notable examples of officials being interviewed on mission include:

* two TV appearances during the Sixth Symposium on ICTs, the Environment and Climate Change in Ghana, July 2011
* Front page news following Forum on Next Generation Network Standardization, Sri Lanka, April 2009
* Press coverage following the ITU Regional Workshop on Bridging the Standardization Gap and Interactive Training Session in Fiji, July 2011; in Ecuador following the Symposium on ICTs, the Environment and Climate Change; in Pune, India following the Kaleidoscope event in December 2010; Mar del Plata following the Kaleidoscope event in 2009 and Cairo, Egypt following the TELECOM event in 2008.

Report on promotion and communication was submitted by TSB to TSAG (8-11 February 2010) in [TSAG TD105](http://www.itu.int/md/T09-TSAG-100208-TD-GEN-0105/en) ([http://www.itu.int/md/T09-TSAG-100208-TD-GEN-0105](http://www.itu.int/md/T09-TSAG-100208-TD-GEN-0105/en)). Between April 2008 and Feb 2010 there have been 44 ‘[newslog](http://www.itu.int/ITU-T/newslog/CategoryView,category,ITU-T%20News.aspx)’ stories published (<http://www.itu.int/ITU-T/newslog/CategoryView,category,ITU-T%20News.aspx>), ITU organized side events at recent UN Climate Change conferences, TSB is having new promotional brochures developed and media events organized by outside experts, and an events calendar has been posted.

TSB report on Communication and Promotion was submitted to TSAG (8-11 February 2011) in [TSAG TD/197](http://www.itu.int/md/T09-TSAG-110208-TD-GEN-0197/en) ([http://www.itu.int/md/T09-TSAG-110208-TD-GEN-0197](http://www.itu.int/md/T09-TSAG-110208-TD-GEN-0197/en) ). Since the previous report to TSAG, 47 newslog stories were published to the ITU-T news channel (<http://www.itu.int/ITU-T/newslog/CategoryView,category,ITU-T%20News.aspx>) and the ITU homepage. Media outreach has grown in several deliverables, including a new WSC Newsletter, 5 issues of e-Flash, media briefings, videos and public access to an ITU maintained calendar of third-party ICT events.

**Action Item 59-02: TSB**

TSB has organized forums on "Implementation of decisions of ITU-T World Telecommunication Standardization Assembly -(WTSA-08)", including Accra, Ghana, 16-17 June 2009; Quito, Ecuador, 7 July 2009; Nadi, Fiji, 16-17 September 2009.

A questionnaire to developing countries on “High-level Industry Executive Meetings” was sent to Sector Members of developing countries in [TSB Circular 36](http://www.itu.int/md/T09-TSB-CIR-0036/en) (30 April 2009) ([http://www.itu.int/md/T09-TSB-CIR-0036](http://www.itu.int/md/T09-TSB-CIR-0036/en) ). Results of the Questionnaire were used by the first Chief Technical Officer (CTO) meeting (6 October 2009, Geneva), information on the CTO meeting is being provided to TSAG (Feb 2010) and CTO teams have continued to work on identified issues in anticipation of the next CTO meeting, originally scheduled for April 2010 but actually held in October 2010 in Paris. In response to the CTO meeting, TSB has published a new paper on smart grid.

A questionnaire was sent to solicit inputs for the October 2010 CTO meeting. Results were that more than twice as many inputs were received, and more responses came from developing countries, as for the questionnaire used for the first CTO event in Otober 2009.

A report of the CTO meeting (29 October 2010, Paris) has been submitted to the 8-11 February 2011 meeting of TSAG in [TSAG TD/184](http://www.itu.int/md/T09-TSB-CIR-0212/en) ([http://www.itu.int/md/T09-TSAG-110208-TD-GEN-0184](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=T09-TSAG-110208-TD-GEN-0184) )

A questionnaire was sent to the administrations and ITU-T Sector Members of developing countries in [TSB Circular 212](http://www.itu.int/md/T09-TSB-CIR-0212/en) ([http://www.itu.int/md/T09-TSB-CIR-0212](http://www.itu.int/md/T09-TSB-CIR-0212/en)) on 18 July 2011, “Questionnaire to developing countries on ‘High-level Industry Executive Meetings’”. The third meeting of high-level industry executives was held during ITU TELECOM World 2011 in Geneva on 25 October 2011. The fourth CTO meeting is scheduled on 18 November 2012 in Dubai. The draft agenda for the 4th CTO meeting will contain a set of issues on ways to respond to the needs of developing countries, including bridging the standardization gap, business models for (wireless) broadband access in developing countries and education in standards and standardization.

**Action Item 59-03: TSB**

Fellowships have been made available to ITU-T sponsored meetings, including study group meetings, workshops and seminars. The biennial TSB budget for 2010-2011 includes a new line item for BSG, funded at a level of 685,000 CHF for the biennium (Ref: Council 2009, [C09/10](http://www.itu.int/md/S09-CL-C-0010/en), clause 72). The biennial TSB budget 2012-2013 BSG line item is 473,000 CHF (Ref: Council 2011, [C11/10](file:///C:\Users\yang\Documents\WTSA\WTSA%20Action%20Plan\C11\10), clause 64) ([http://www.itu.int/md/S11-CL-C-0010](http://www.itu.int/md/S11-CL-C-0010/en)).

There is a standard invitation in all Collective Letters that fellowships are available and to contact TSB. TSB provides the fellowships following consultation with BDT regarding the application process.

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# Resolution 60 - Responding to the challenges of the evolution of the numbering system and its convergence with IP-based systems / networks

**Resolution 60**

*resolves to instruct Study Group 2, within the mandate of ITU-T*

*1 to study, in liaison with the other relevant study groups, the necessary requirements for the structure and maintenance of telecommunication identification/numbering resources in relation to the deployment of IP-based networks and the transition to NGN;*

*2 to ensure the development of the administrative requirements for identification/numbering resource management systems in NGNs;*

*3 to develop guidelines, as well as a framework, for the evolution of the international telecommunication numbering system and its convergence with IP-based systems, in coordination with related study groups and associated regional groups, so that a basis for any new application can be provided,*

*instructs relevant study groups*

*to support the work of Study Group 2, to ensure that such applications are based on appropriate guidelines, as well as a framework, for the evolution of the international telecommunication numbering system, and to help investigate their impact on the numbering system,*

*instructs the Director of the Telecommunication Standardization Bureau*

*to take appropriate action to facilitate the foregoing work regarding the evolution of the numbering system or its converged applications,*

*invites Member States and Sector Members*

*to contribute to these activities, taking into consideration their national concerns and experiences.*

| Action Item | Action | Milestone | Periodic Goals Met | Completed |
| --- | --- | --- | --- | --- |
| [60-01](#Item60_01) | SG2 to study necessary requirements regarding telecommunication identification/numbering resources, related resource management systems and to develop guidelines for evolution of the international telecommunication numbering system and its convergence with IP-based systems | ongoing | ✓ |  |

**Action Item 60-01: SG2**

Studies are underway in ITU-T SG2. A Future of Numbering draft document on this topic is under development in SG2. The current version, as of the 5 June 2011 session of the SG2 Future of Numbering ad hoc group is found in [TD156 (WP1/2)](file:///C:\Users\yang\Working%20folders\itu-t\WTSA-2008%20-%20Action%20Plan%20followup-2011-09\TD156%20(WP1\2)) ([http://www.itu.int/md/T09-SG02-110601-TD-WP1-0156](http://www.itu.int/md/T09-SG02-110601-TD-WP1-0156/en) ).

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# Resolution 61 - Misappropriation of international telecommunication numbering resources

**Resolution 61**

*resolves to invite Member States*

*1 to consider providing a mechanism to allow their national regulator to request carriers to release routing information in cases of fraud, within the constraints of national laws and regulatory frameworks;*

*2 to encourage administrations and national regulators to collaborate and share information on fraudulent activities related to misuse of international numbering resources and to consider sharing information about these activities;*

*3 to encourage all administrations and international telecommunication operators to enhance the effectiveness of ITU's role and to give effect to its Recommendations, particularly those of ITU-T Study Group 2, in order to promote a new and more effective basis for dealing with fraudulent activities due to number misappropriation, which would help limit the negative effects of these fraudulent activities and the blocking of international calls to developing countries ;*

*4 to encourage administrations and international telecommunication operators to implement ITU-T Recommendations in order to mitigate the adverse effects of fraudulent number misappropriation and blocking of calls to certain developing countries,*

*resolves further*

*1 that administrations and operating agencies authorized by Member States should take all reasonable measures, within the constraints of their national laws and regulatory frameworks, to obtain information necessary to address issues related to number misappropriation and misuse;*

*2 that administrations and operating agencies authorized by Member States should take note of and consider, within the constraints of their national laws and regulatory frameworks, the "Suggested guidelines for regulators, administrations and operating agencies authorized by Member States for dealing with number misappropriation", in accordance with the attachment to this resolution;*

*3 that Member States and national regulators should take note of instances of activities related to the misuse of international numbering resources, in accordance with Recommendation ITU-T E.164, through ITU-T resources;*

*4 to request Study Group 2 to study all aspects and forms of misappropriation of international country codes, with a view to amending Recommendation ITU-T E.156 and its Supplement 1;*

*5 to request Study Group 3 to study the economic effects of call blocking on developing countries.*

| Action Item | Action | Milestone | Periodic Goals Met | Completed |
| --- | --- | --- | --- | --- |
| [61-01](#Item61_01) | SG2 to study all aspects and forms of misappropriation of international country codes, with a view to amending Recommendation ITU-T E.156 and its Supplement 1 | ongoing | ✓ |  |
| [61-02](#Item61_02) | SG3 to study the economic effects of call blocking on developing countries | ongoing |  |  |

**Action Item 61-01: SG2**

Studies are underway in ITU-T SG2. These studies are linked to the misuse portion of Resolution 20. TSB provides reports on misuse to SG2; SG2 provides information on misuse for reports to Council.

No contributions have been submitted with proposals to amend E.156.

A new [Supplement 2 to E.156](http://www.itu.int/rec/T-REC-E.156-201106-P!Sup2), Possible actions to counter misuse, was approved by SG2 at its meeting of 10 June 2011. The pre-published version of [Supplement 2](http://www.itu.int/rec/T-REC-E.156-201106-P!Sup2) is posted on the ITU-T web page at <http://www.itu.int/rec/T-REC-E.156-201106-P!Sup2>. A revision to E.156 is being considered.

**Action Item 61-02: SG3**

23 January 2009: Contributions were invited by the January 2009 meeting of SG3. However, there was no new contributions were submitted to the following SG 3 meetings (Sept'09, May’10, April’11 and Jan’12) in this period.

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# Resolution 62 - Dispute settlement

**Resolution 62**

*resolves to instruct Study Group 3*

*1 to expedite its work on international connectivity, in order to facilitate the implementation of relevant resolutions;*

*2 to collect data with respect to the implementation and practical effects of the implementation of relevant resolutions and D-series Recommendations of the ITU Telecommunication Standardization Sector (ITU-T),*

*invites Member States*

*1 to encourage each party to include in a negotiation or agreement related to, or arising out of, international connectivity matters a dispute settlement clause in such agreements;*

*2 to encourage all operating agencies domiciled within their territories to implement relevant ITU-T Recommendations;*

*3 to contribute to ITU-T's further work in the areas mentioned in this resolution,*

*instructs the Director of the Telecommunication Standardization Bureau*

*1 to report annually to the ITU Council with respect to the implementation of this resolution;*

*2 to provide all necessary support, within the existing budget, to Study Group 3 for its further work on this matter.*

| Action Item | Action | Milestone | Periodic Goals Met | Completed |
| --- | --- | --- | --- | --- |
| [62-01](#Item62_01) | SG3 to collect data with respect to implementation and practical effects of implementation of relevant resolutions and E-series Recommendations. | 20-Mar-09 | ✓ |  |
| [62-02](#Item62_02) | SG3 to decide if an additional questionnaire is required at its first meeting in 2010 | 31-May-10 |  | ✓ |
| [62-03](#Item62_03) | Director to prepare report to Council annually | ongoing, 3 months before Council | ✓ |  |

**Action Item 62-01: SG3**

Done.

20-Mar-09: A questionnaire on dispute prevention and resolution for international telecommunication contracts issued in [TSB Circular 27](http://www.itu.int/md/T09-TSB-CIR-0027/en) on 20 March 2009 with due date of 12 June 2009 ([http://www.itu.int/md/T09-TSB-CIR-0027](http://www.itu.int/md/T09-TSB-CIR-0027/en) ). TSB reported the results of this questionnaire in [TD 2 (WP 2/3)](http://www.itu.int/md/T09-SG03-090921-TD-WP2-0002/en) to the WP2/3 meeting (Sept 2009, Kampala) ([http://www.itu.int/md/T09-SG03-090921-TD-WP2-0002](http://www.itu.int/md/T09-SG03-090921-TD-WP2-0002/en)).

**Action Item 62-02: SG3**

It was addressed by SG3 at its meeting in May 2010. No additional questionnaire was required.

**Action Item 62-03: TSB**

14 September 2009: The Director’s Report submitted to Council 2009 (Ref. Council document [C09/35Add.1](http://www.itu.int/md/S09-CL-C-0035/en), Section IV) includes the following:

* At its 23-29 January 2009 meeting, SG3 agreed new terms of reference and a work plan (including timelines) for further study of International Internet Connectivity (see [TD 28 Rev. 1 (PLEN/3)](http://www.itu.int/md/T09-SG03-090119-TD-PLEN-0028/en), [http://www.itu.int/md/T09-TSB-CIR-0036](http://www.itu.int/md/T09-TSB-CIR-0036/en) ).
* At its 23-29 January 2009 meeting, SG3 agreed terms of reference and a work plan for study of Mobile Roaming (see [TD 37 Rev. 1 (PLEN/3)](http://www.itu.int/md/T09-SG03-090119-TD-PLEN-0037/en) [http://www.itu.int/md/T09-SG03-090119-TD-PLEN-0037](http://www.itu.int/md/T09-SG03-090119-TD-PLEN-0037/en) ).
* SG3 agreed in January 2009 the terms of reference and a work plan for study of Dispute Prevention and resolution (see [TD 38 Rev. 1 (PLEN/3)](http://www.itu.int/md/T09-SG03-090119-TD-PLEN-0038/en) http://www.itu.int/md/T09-SG03-090119-TD-PLEN-0038 ).
* As part of the work on this topic, on 20 March 2009, TSB issued a questionnaire, in [TSB Circular 27](http://www.itu.int/md/T09-TSB-CIR-0027/en), on dispute prevention and resolution for international telecommunication contracts. The results of that survey can be found in SG3-[TD 2 (WP 2/3)](http://www.itu.int/md/T09-SG03-090921-TD-WP2-0002/en). ([http://www.itu.int/md/T09-SG03-090921-TD-WP2-0002](http://www.itu.int/md/T09-SG03-090921-TD-WP2-0002/en) ).

2010:

SG3 (17-21 May 2010, Seoul) approved [Supplement 1 to Recommendation D.170](http://www.itu.int/rec/T-REC-D.170-201005-I!Sup1), “Dispute Management Guidelines”, (<http://www.itu.int/rec/T-REC-D.170-201005-I!Sup1> \_and [Supplement 2 to Recommendation D.170](http://www.itu.int/rec/T-REC-D.170-201005-I!Sup2), “Dispute Process Guidelines” (<http://www.itu.int/rec/T-REC-D.170-201005-I!Sup2> ).

The Director’s report to Council-2010 is included in clause 54 of Council document [C10/35](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=S10-CL-C-0035), “Draft report of Council on the activities of the Union 2007-2010” (<http://www.itu.int/md/S10-CL-C-0035>)

January 2011:

SG3 (12-15 September 2009, Kampala) received inputs on dispute resolution from ITU-D (TD64).

January 2012:

SG3 (16-20 January 2012, Geneva) approved Supplement 1 to Recommendation D.150, “Checklist for Bi-lateral Complex Agreements”, Supplement 3 to Recommendation D.170, “Guidelines for Contents of International Interconnection Agreement” and Supplement 4 to Recommendation D.170, “Guidelines for Net Settlement Generic Templates”.

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# Resolution 63 - Studies regarding nomadic telecommunication services and applications

**Resolution 63**

*resolves*

*1 to request the Telecommunication Standardization Advisory Group to treat the study of nomadism as an important and urgent area of study for many ITU developing countries , and to take the necessary actions (as indicated in Resolution 45 of this assembly) to ensure a well coordinated programme of work on nomadism across all the relevant study groups;*

*2 to request appropriate ITU-T study groups to address service definition, numbering, regulatory and infrastructure aspects to support nomadic services;*

*3 in particular, to request relevant ITU-T study groups to study, develop and recommend techniques for implementation of the following relevant capabilities for handling national or regional services:*

*i) basic capability to be routed to the correct called address (e.g. emergency call centre), based on current location;*

*ii) basic capability plus calling line identification, to allow call-back from the called address;*

*iii) enhanced capability including location identification,*

*invites Member States, Sector Members and Associates*

*to submit contributions to relevant study groups in order to progress the work.*

| Action Item | Action | Milestone | Periodic Goals Met | Completed |
| --- | --- | --- | --- | --- |
| [63-01](#Item63_01) | TSAG to initiate examination of necessary coordination requirements regarding nomadic telecommunication services and applications in April 2009 meeting, for decision at next meeting | 30-Apr-09 |  |  |
| [63-02](#Item63_02) | Study groups to address nomadic telecommunication services and applications, subject to contributions. | ongoing |  |  |

**Action Item 63-01: TSAG**

The study is under way within the relevant study groups; no action is needed by TSAG.

**Action Item 63-02: SGs**

January 2011:SG2 and SG3 have had some contributions related to nomadic services, but no specific actions have been proposed.

SG16:

Specific study areas on nomadic and mobile multimedia applications are present in various SG 16 Questions, in particular, Q/4.16.

SG17:

SG17 has produced results for security in mobile applications. (SG17 has not used the term “nomadic”). These include: Recommendations X.1120-X.1139: Mobile security; Recommendation X.1143: Security architecture for message security in mobile web services. Other current study areas include: security on mobile networks, security for mobile device, Security aspects of mobile phones, security for mobile IPTV, IdM for mobile applications

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# Resolution 64 - IP address allocation and encouraging the deployment of IPv6

**Resolution 64**

*resolves*

*to instruct Study Groups 2 and 3, each according to its mandate, to study the allocation and economic aspects of IP addresses, taking into consideration the challenges and issues identified in the report of the chairman of the 4-5 September 2008 workshop on IPv6,*

*instructs the Director of the Telecommunication Standardization Bureau, in close collaboration with the Director of the Telecommunication Development Bureau*

*1 to initiate a project to assist developing countries , responding to their regional needs as identified by the Telecommunication Development Bureau (BDT); this project should be carried out jointly by the Telecommunication Standardization Bureau (TSB) and BDT, taking into consideration the involvement of those partners willing to participate and to bring their expertise;*

*2 to establish a website that provides information about global activities related to IPv6, to facilitate awareness-raising and the importance of IPv6 deployment for all ITU members and interested entities, and provides information related to training events being undertaken by relevant entities in the Internet community (e.g. regional Internet registries (RIR), local Internet registries (LIR), operator groups and the Internet Society (ISOC));*

*3 to promote awareness of the importance of IPv6 deployment, to facilitate joint training activities, involving appropriate experts from the relevant entities, and to provide information to developing countries,*

*further instructs the Director of the Telecommunication Standardization Bureau*

*to study the question of IPv6 address allocation and registration for interested members and, especially, developing countries and to report to the 2009 session of the ITU Council,*

*invites Member States and Sector Members*

*to contribute to these activities.*

| Action Item | Action | Milestone | Periodic Goals Met | Completed |
| --- | --- | --- | --- | --- |
| 64-00 | SG17 to study security aspects of IPv6 deployment | ongoing |  |  |
| [64-01](#Item64_01) | SG2 and SG3 to study allocation and economic aspects of IP addresses (action by SG2) | ongoing |  |  |
| [64-02](#Item64_02) | SG2 and SG3 to study allocation and economic aspects of IP addresses (action by SG3) | ongoing |  |  |
| [64-03](#Item64_03) | 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 | ✓ |  |
| [64-04](#Item64_04) | TSB to develop website that provides information on global activities related to IPv6 and to training events. | 01-May-09 |  | ✓ |
| [64-05](#Item64_05) | [Director to issue [Circular 30](http://www.itu.int/md/T09-TSB-CIR-0030/en) (27 March 2009) Questionnaire to MSs, SMs, Associates, on IPv6 address allocation and encouraging the deployment of IPv6; reply by 12 June 2009](http://www.itu.int/md/dologin_md.asp?lang=en&id=T09-TSB-CIR-0030!!MSW-E) | 27-Mar-09 |  | ✓ |
| [64-06](#Item64_06) | 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 | ✓ |  |
| [64-07](#Item64_07) | Director to report to Council-09 on question of IPv6 address allocation and registration for interested members and especially developing countries | 15-Aug-09 |  | ✓ |

**Action Item 64-00: SG17**

In 2009, ITU Council created an IPv6 group. At its first meeting in 2010, this group asked SG17 to study security aspects of IPv6 deployment and it asked SG 2 and SG 3, each according to its mandate, to study the allocation and economic aspects of IP addresses.

A tutorial presentation on IPv6 security was given in a SG 17 meeting in 2010. SG17 replied in April 2011 that Question 2/17 “Security architecture and framework” and Question 3/17 “Telecommunications information security management”) has established two new work items on “Security Management Guideline for implementation of IPv6 environment in telecommunications organizations” and on "Technical security guideline on deploying IPv6". Studies on security aspects of IPv6 deployment are being developed by experts in SG 17 in close collaboration with other SDOs. For the next study period, SG 17 proposes to continue the studies in Q.B/17.

**Action Item 64-01: SG2**

Liaison sent from the IPv6 group to SG2 as mentioned above in Action Item 64-00. SG2 replied in June 2011 that the work item on IPv6, WTSA Resolution 64, remains open in SG2 and awaiting contributions that are within the mandate of SG2 in order to advance the work within SG2.

**Action Item 64-02: SG3**

Liaison sent from the IPv6 group to SG3 as mentioned above in Action Item 64-00. However, there is no activity to report on this subject in this study period from SG3.

**Action Item 64-03: TSB**

Done

Council 2009 document [C09/29](http://www.itu.int/md/S09-CL-C-0029/en) contains: “TSB Director's report to Council 2009 on study of IPv6 address allocation as requested by WTSA Resolution 64" ([http://www.itu.int/md/S09-CL-C-0029](http://www.itu.int/md/S09-CL-C-0029/en) ).

TSB issued [Circular 30](http://www.itu.int/md/T09-TSB-CIR-0030/en) in March 2009 ([http://www.itu.int/md/T09-TSB-CIR-0030](http://www.itu.int/md/T09-TSB-CIR-0030/en) ), a survey on the topic of IPv6 address allocation and encouraging the deployment of IPv6. Responses are available at the ITU IPv6 website . A summary of these responses is found in Council document [C09/INF/10](http://www.itu.int/md/S09-CL-INF-0010/en) [http://www.itu.int/md/S09-CL-INF-0010](http://www.itu.int/md/S09-CL-INF-0010/en) ).

The Project to promote IPv6 deployment is being led by BDT with cooperation of TSB (Ref. Council 2009 document [C09/29](http://www.itu.int/md/S09-CL-C-0029/en)) ([http://www.itu.int/md/S09-CL-C-0029](http://www.itu.int/md/S09-CL-C-0029/en) ). Progress by TSB will be accomplished through close collaboration between the Bureaus on this BDT project.

TSB Director submitted reports on the work of the IPv6 Group to Council 10 in [C10/45](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=S10-CL-C-0045) ([http://www.itu.int/md/S10-CL-C-0045](http://www.itu.int/md/S10-CL-C-0045/en) ) and PP-10 in [PP-10/78](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=S10-PP-C-0078) (http://www.itu.int/md/S10-PP-C-0078) , respectively.

As the third meeting of the IPv6 Group saw that its work focus has shifted to the IPv6 deployment project, a report on the work of the IPv6 Group to Council 2011 is submitted in [C11/Doc 32](http://www.itu.int/md/S11-CL-C-0032/en) ([http://www.itu.int/md/S11-CL-C-0032](http://www.itu.int/md/S11-CL-C-0032/en)).

Before the closure of the IPv6 Group, its fourth and final meeting on 12 June 2012 appreciated that future work of IPv6 human capacity building activities and project on technical, policy and economic aspects of the transition from IPv4 to IPv6 will be continued and led by ITU-BDT.

**Action Item 64-04: TSB**

Done

15 May 2009: An ITU IPv6 website has been set up to act as an inventory of global IPv6 activities, training events, and tutorial/discussion material. An ITU internal project was started to make ITU websites accessible with IPv6, and all ITU websites have been IPv6 accessible since July 2009. A new [IPv6 website](http://www.itu.int/net/ITU-T/ipv6/) (<http://www.itu.int/net/ITU-T/ipv6/> ) was announced in [TSB Circular 41](http://www.itu.int/md/T09-TSB-CIR-0041/en) (15 May 2009) ([http://www.itu.int/md/T09-TSB-CIR-0041](http://www.itu.int/md/T09-TSB-CIR-0041/en)), in response to WTSA Res 64.

**Action Item 64-05: TSB**

Done

27 March 2009: [TSB Circular 30](http://www.itu.int/md/T09-TSB-CIR-0030/en) ([http://www.itu.int/md/T09-TSB-CIR-0030](http://www.itu.int/md/T09-TSB-CIR-0030/en)), Questionnaire on IPv6 address allocation and encouraging the deployment of IPv6, was issued, requesting replies from Member States by 12 June 2009. As of July 2009, TSB received two responses from Regional Internet Registries and 33 responses from ITU Member States and Sector Members. Each [individual response](http://www.itu.int/oth/T3B05/en) ([http://www.itu.int/oth/T3B05](http://www.itu.int/oth/T3B05/en) ) and a [summary](http://www.itu.int/dms_pub/itu-t/oth/3B/05/T3B050000010003PDFE.pdf) (<http://www.itu.int/dms_pub/itu-t/oth/3B/05/T3B050000010003PDFE.pdf> ) are available (dated September 2009).

**Action Item 64-06: TSB**

Presentations including IPv6 were made at a variety of regional meetings, such as: "Architectural Overview of ITU-T NGN (including Future Vision)", 8 May 2009, Workshop on NGN and Applications, Athens, Greece. A workshop was organized by ITU on IPv6 at IGF-2009 (Sharm El Sheikh, 15-18 November 2009).

In 2010 IPv6 presentations were made by TSB staff in the following regional events:

* APNIC 29 conference, 1-5 March 2010, Kuala Lumpur, Malaysia
* Algeria IPv6 Workshop, 31 March 2010, Alger, Algeria
* Global IPv6 Summit, 7-8 April, 2010, Beijing, China
* Briefing on new ITU study items, 13-14 July 2010, Beijing, China
* EC conference ‘IPv6…the way forward’, 14 December 2010, Gent, Belgium

Following the April 2011 meeting of the IPv6 Group, the following ITU trainings and workshops on IPv6 were planned and organized:

* ITU ASP CoE Training Course on IPv6 Migration Strategy for Telecom Service Providers, Thailand 25-28 July 2011
* Advanced Internet Technologies in Warsaw, Poland from 8-9 September 2011

Other trainings and workshops are planned for all regions in 2012 and will also focus on the cost of the transition from IPv4 to IPv6.

TSB provided secretary support to the first meeting of the ITU IPv6 Group, held on 15-16 March 2010, the second meeting held on 1-2 September 2010, the third meeting held on 7-8 April 2011, and the fourth meeting held on 12 June 2012 (see IPv6 Group website at: [http://www.itu.int/ITU-T/others/ipv6/](http://www.itu.int/en/ITU-T/others/ipv6/Pages/default.aspx)).

TSB Director submitted reports on the work of the IPv6 Group to Council 10 in

[C10/45](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=S10-CL-C-0045) ([http://www.itu.int/md/S10-CL-C-0045](http://www.itu.int/md/S10-CL-C-0045/en) ) and to PP-10 in [PP10/78](file:///C:\Users\yang\Documents\WTSA\WTSA%20Action%20Plan\PP10\78) ([http://www.itu.int/md/S10-PP-C-0078](http://www.itu.int/md/S10-PP-C-0078/en)) respectively.

PP-10 approved new Resolution 180 on “Facilitating the transition from IPv4 to IPv6”, which instructs the BDT Director, in coordination with the TSB Director ‘to monitor the current allocation mechanisms (including the equitable distribution of addresses) for ITU Member States or Sector Members, and to identify and point out any underlying flaws in the current allocation mechanisms;’ and ‘to develop statistics on progress made with the transition’.

A report on the work of the IPv6 Group to Council 2011 is submitted in [C11/32](file:///C:\Users\yang\Documents\WTSA\WTSA%20Action%20Plan\C11\32) ([http://www.itu.int/md/S11-CL-C-0032](http://www.itu.int/md/S11-CL-C-0032/en)). The IPv6 Group closed after its fourth meeting on 12 June 2012 concluded that it had completed its work. ITU Council 2012 was notified of its closure in C12/62.

**Action Item 64-07: TSB**

Done

28 August 2009: A report was made to Council-2009 in [C09/49](http://www.itu.int/md/S09-CL-C-0049/en) ([http://www.itu.int/md/S09-CL-C-0049](http://www.itu.int/md/S09-CL-C-0049/en) ), “ITU Internet Activities: Resolutions 101, 102 and 133”

Council 2009 established a group, convened by the TSB Director, to conduct further activities towards implementing WTSA Resolution 64, and report to Council 2010 (see [C09/93](file:///C:\Users\yang\Documents\WTSA\WTSA%20Action%20Plan\C09\93), clause 1.7) ([http://www.itu.int/md/S09-CL-C-0093](http://www.itu.int/md/S09-CL-C-0093/en) ).

Reports from TSB on Internet-related issues have been submitted to the General Secretariat for incorporation into the ITU report to Council-2010 on Internet-related issues.

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TSB issued [TSB Circular 30](http://www.itu.int/md/T09-TSB-CIR-0030/en) ([http://www.itu.int/md/T09-TSB-CIR-0030](http://www.itu.int/md/T09-TSB-CIR-0030/en) ) in March 2009 to survey ITU Membership on the topic of IPv6 address allocation and encouraging the deployment of IPv6 aimed at collecting information that would be relevant for the elaboration of the project (ref: Council-2009, document [C09/49](http://www.itu.int/md/S09-CL-C-0049/en), clause 3.1) ([http://www.itu.int/md/S09-CL-C-0049](http://www.itu.int/md/S09-CL-C-0049/en) )

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# Resolution 65 - Calling party number delivery

**Resolution 65**

*resolves*

*1 that international calling party number delivery shall, consistent with technical capabilities and national legal and regulatory frameworks, be provided based on the relevant ITU-T Recommendations;*

*2 that the delivered calling party numbers shall, consistent with technical capabilities and national legal and regulatory frameworks, be prefixed with country codes to identify in which country the calls are originated before they are delivered from an originating country to a receiving country;*

*3 that, in addition to the country code, the delivered calling party number shall, consistent with technical capabilities and national legal and regulatory frameworks, include the national destination code, or sufficient information to allow proper billing and accounting, for each call;*

*4 that the calling party number shall, consistent with technical capabilities and national legal and regulatory frameworks, be transmitted transparently by transit networks (including hubs),*

*instructs*

*1 the concerned study groups, in particular Study Group 2, to expedite work on Recommendations that would provide additional detail and guidance for the implementation of, at least, the principles listed above;*

*2 the Director of the Telecommunication Standardization Bureau to report on the progress achieved by the study groups in implementing this resolution, which is intended to improve security and minimize fraud, and minimize technical harm as called for by Article 42 of the Constitution.*

| Action Item | Action | Milestone | Periodic Goals Met | Completed |
| --- | --- | --- | --- | --- |
| [65-01](#Item65_01) | SG2 to consider approval of new or revised Recommendations to implement Resolution 65 | 26-Nov-09 | ✓ |  |
| [65-02](#Item65_02) | Director to report on progress achieved by study groups in implementing Resolution 65 | 30-Jun-12 | ✓ |  |

**Action Item 65-01: SG2**

Done

24 November 2009: SG2 DETERMINED draft new Recommendation E.157 for the Traditional Approval Process (TAP) on 2 April 2009; announced in [TSB Circular 46](http://www.itu.int/md/T09-TSB-CIR-0046/en), 15 June 2009, for consideration of approval at SG2 24 Nov 2009. The summary of the Recommendation is: This recommendation provides guidance for International calling party number delivery which is technology neutral. It also clarifies the relationship between calling party number delivery and number identification supplementary service. International calling party number delivery refers to calling party number delivery across boundaries of countries. [E.157](http://www.itu.int/rec/T-REC-E.157-200911-I) was approved by SG2, Nov 2009 (<http://www.itu.int/rec/T-REC-E.157-200911-I> ).

**Action Item 65-02: TSB**

There is no further action to be reported regarding Study Group work.

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# Resolution 66 - The creation of a Technology Watch Function in the Telecommunication Standardization Bureau

**Resolution 66**

*resolves to instruct the Director of the Telecommunication Standardization Bureau*

*1 to formalize such a function within the Bureau;*

*2 that the output of TWF, with relevant findings and analysis, shall be provided as soon as possible to the TSAG and to the Workshop and Seminar Coordination Group for their consideration and action in accordance with their mandates;*

*3 to publish the main results of this function as brief summaries on the ITU-T NEWSLOG webpage;*

*4 to report on the implementation of this resolution to the next world telecommunication standardization assembly, with a view to reviewing this resolution and introducing the appropriate amendments, in light of the implementation outcome.*

| Action Item | Action | Milestone | Periodic Goals Met | Completed |
| --- | --- | --- | --- | --- |
| [66-01](#Item66_01) | Director to establish a Technology Watch Function in TSB | 01-Jul-09 |  | ✓ |
| [66-02](#Item66_02) | TSB to initiate programme to improve the quality and visibility of the TWF, including engagement of outside experts and peer review of reports | 01-Jul-09 | ✓ |  |
| [66-03](#Item66_03) | TSB to provide outputs of TWF to TSAG and to the workshop and seminar coordination group for their consideration and action | ongoing | ✓ |  |
| [66-04](#Item66_04)R1 | TSB to report the implementation of this resolution to WTSA-12 | 30-Jun-12 |  | ✓ |

**Action Item 66-01: TSB**

Done

April 2009; 1-Feb-10; A Technology Watch function has been established within TSB; no further action by TSAG was required. Also see comments on Action Item 66-02 below regarding a Technology Watch function.

[Technology Watch Reports](http://www.itu.int/ITU-T/techwatch/reports.html) are being issued about every 2-3 months. A shorter version called TechWatch Alerts, a 3-5 page concise overview of new technology areas, has been instituted.

A [full list](http://www.itu.int/ITU-T/techwatch/reports.html) of all Technology Watch Reports and TechWatch Alerts is available on the ITU-T Technology Watch website

(See also Action [Item 22-02](#Resolution_22))

**Action Item 66-02: TSB**

Done

11 February 2010, updated January 2011; updated September 2011; updated June 2012:

4-5 Reports issued annually:

In the period from October 2007 to May 2012, 21 Technology Watch Reports and two shorter Alerts have been published. The findings of these publications have been submitted to the concerned ITU-T Study Groups or TSAG for consideration and distributed widely via the Technology Watch website (<http://itu.int/techwatch>), the Technology Watch mailing list (some 300 subscribers) and the ITU-T Newslog. The Technology Watch profile on the social publishing platform Scribd (<http://scribd.com/ITUtechwatch>) has more than 13,000 subscribers and material available on this site has been accessed more than 115,000 times.

Paper copies of the reports – an attractive layout and branding was adopted in 2010 – are distributed in ITU workshops and events. ITU News magazine featured Technology Watch Reports in its print and online editions published in all six official languages of the Union. The Journal of the ITU Association of Japan has re-published some of the work in Japanese. Some reports have been referred to in research papers published by the ACM and the IEEE.

This section covers all reports published in the study period 2009-2012 (as of June 2012). If not otherwise stated, the respective report was written by TSB. Draft reports have been reviewed by ITU-T study group delegates and external subject matter experts.

1. [Distributed Computing: Utilities, Grids and Clouds](http://www.itu.int/oth/T2301000009/en) (March 2009)

The report was discussed at the first CTO Meeting (October 2009, Geneva) which recommended the establishment of an ITU-T Focus Group on Cloud Computing. FG Cloud was established in February 2010 and successfully terminated its work in December 2011. TSB contributed a repository of cloud computing standardization activities. The report was discussed at the World Telecommunication Policy Forum (April 2009) and often referred to at other ITU cloud events.

1. [The Future Internet](http://www.itu.int/oth/T230100000A/en) (April 2009)

This report surveys the current debate over the Internet architecture, and identifies key emerging trends and features of the Internet, in an attempt to provide pointers for future standards work for consideration by the ITU-T membership and the broader standards community.

The report stimulated the discussion in ITU-T Focus Group Future Networks and at a number of related ITU events.

1. [ICTs and Food Security](http://www.itu.int/oth/T230100000B/en) (July 2009)

This report examines some of the main ways in which ICTs can be used locally and globally to address the problems of food security and hunger and reviews the relevant standardization work.

Q23/5 on using ICTs to enable countries to adapt to climate change was established in December 2010. This question is to address – *inter alia* – how ICT standards can contribute to tackling this important issue.

1. [Biometrics and Standards](http://www.itu.int/oth/T230100000D/en) (December 2009)

The report spotlights biometric recognition as a key form of authentication. This report helped to highlight the work of Q9/17 in the field of telebiometrics. The ITU Workshop “Addressing security challenges on a global scale” (December 2010) featured a special session on telebiometrics.

1. [Decreasing Driver Distraction](http://www.itu.int/en/ITU-T/techwatch/Pages/driverdistraction.aspx) (August 2010)

This report provides an overview of technology-caused driver distraction and surveys standards, guidelines and initiatives aiming at making the use of in-vehicle information and communication systems less distracting.

The report was prepared following ITU Council Resolution 1318 on “ITU's role in ICTs and improving road safety” (April 2010). ITU-T Focus Group Driver Distraction was established in February 2011. TSB organized a special workshop on ICT and road safety at the WSIS Forum 2011.

1. [ICT as an Enabler for Smart Water Management](http://www.itu.int/en/ITU-T/techwatch/Pages/smartwatermanagement.aspx) (October 2010)

This report provides an overview of how ICT can be a strategic enabler for smart water management policies and surveys upcoming ICT standards that will enable smart water initiatives.

Q23/5 on using ICTs to enable countries to adapt to climate change was established in December 2010 and addresses– *inter alia* – how ICT standards can contribute to improving water management. A dedicated workshop on the topic is planned for 2012.

1. [Using Submarine Communications Networks to monitor the Climate](http://www.itu.int/en/ITU-T/techwatch/Pages/submarinenetworks.aspx) (November 2010)

This report was written by Dr Yuzhu You of the Institute of Marine Science, University of Sydney, Australia and gives an overview of how old and new submarine cables could be used for decades to come as a major resource and a real-time global network to monitor climate change and to provide tsunami warnings.

The issue is part of Q23/5 and a joint task force of ITU, UNESCO/IOC and WMO was established to investigate the proposal.

1. [Standards and e-Health](http://www.itu.int/en/ITU-T/techwatch/Pages/ehealth-standards.aspx) (January 2011)

This report was written by Dr Laura DeNardis of American University in Washington, DC, USA, and envisions the future of e-health, presents a snapshot of the current e-health standardization landscape, describes some obstacles that must be overcome, and identifies the emerging standardization opportunities and activities within the ITU that will contribute to the global deployment of efficient and secure e-health systems.

1. [Optical World](http://www.itu.int/en/ITU-T/techwatch/Pages/optical-standards.aspx) (June 2011)

The optical world, referring to the use of optics in computing, is very promising indeed for the future to support the bandwidth requirements of Next Generation Networks, Cloud Computing and expansion of the Internet. This report provides an overview of the optical world and surveys standards and research work which will lead to a new generation of Internet and computing devices.

This report contributed to the discussion of new work items in ITU-T Study Group 15.

1. [Trends in Video Games and Gaming](http://www.itu.int/en/ITU-T/techwatch/Pages/video-games-standards.aspx) (September 2011)

This report surveys some of the latest developments in the world of video games, describes the most common gaming platforms and terminals and highlights new technologies enabling a better gaming experience and associated standardization activities.

This report contributed to the discussion of new work items in ITU-T Study Group 16 and in the field of cloud gaming services.

1. [Digital Signage: the right Information in all the right Places](http://www.itu.int/en/ITU-T/techwatch/Pages/digital-signage-standards.aspx) (November 2011)

This report was written by Mr Franck Dupin, CEO and founder of Innes, France, and Mr Martin Adolph of the TSB, and highlights digital signage as an innovative medium for targeted information, entertainment, merchandising and advertising. The report identifies trends to making digital signage more interactive and pervasive and describes why interoperability and global standards are key to tapping the medium’s full potential.

Digital signage has become a key issue in Study Group 16. ITU held a workshop on digital signage in December 2011.

1. [Privacy in Cloud Computing](http://www.itu.int/en/ITU-T/techwatch/Pages/cloud-computing-privacy.aspx) (March 2012)

This report was written by Mr Stéphane Guilloteau, France Telecom-Orange, and Mr Venkatesen Mauree of the TSB.

The secure processing of personal data in the cloud represents a huge challenge. Adoption of privacy-enhancing technologies to support such activities in the cloud will depend upon the existence of uniform ways of handling personal data at the international level and on technical standards which can help to demonstrate compliance with legal and regulatory frameworks.

1. [E-Health Standards and Interoperability](http://www.itu.int/en/ITU-T/techwatch/Pages/ehealth-standards.aspx) (April 2012)

This report was written by Dr Laura DeNardis of American University in Washington, DC, USA, and served as background material for the joint ITU/WHO workshop on e-health standards and interoperability (April 2012).

Two shorter reports, “Technology Watch Alerts,” were published:

1. [Mobile Applications](http://www.itu.int/oth/T230100000C/en) (July 2009)
2. [Batteries for portable ICT Devices](http://www.itu.int/oth/T230100000E/en) (February 2010).

The following reports are planned for publication before WTSA-12: Smart Clothing; Smart City Seoul; Standards for technology-enabled learning.

**Action Item 66-03: TSB**

28 April 2009; 8 February 2010: Status reports of TSB Technology Watch presented to TSAG (28-30 April 2009) in [TSAG TD48](http://www.itu.int/md/T09-TSAG-090428-TD-GEN-0048/en), and an updated status report was presented to TSAG in Feb 2010 in [TSAG TD94](http://www.itu.int/md/T09-TSAG-100208-TD-GEN-0094/en). All TechWatch Reports are published in summary form in ITU News and were cover stories of ITU News on two occasions.

January 2011: The report on the ITU-T Technology Watch Function has been submitted to the 8-11 February 2011 of TSAG in [TSAG TD183](file:///C:\Users\yang\Documents\WTSA\WTSA%20Action%20Plan\TSAG%20TD183) ([http://www.itu.int/md/T09-TSAG-110208-TD-GEN-0183](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=T09-TSAG-110208-TD-GEN-0183)).

January 2012: Technology Watch activities have been covered in the TSB Director’s report to TSAG (TSAG TD308), 10-13 January 2012.

Reports go to SGs, to workshop and seminar committee. As outlined under Action Item 66-02, a number of workshops have been held based on Technology Watch findings.

**Action Item 66-04: TSB**

See report under Action Items 66-01, 66-02 and 66-03.

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# Resolution 67 - Creation of a Standardization Committee for Vocabulary (SCV)

**Resolution 67**

*resolves*

*1 that the standardization of work on vocabulary within ITU-T shall be based on the proposals by the study groups in the English language, with the consideration, resolution and adoption of the translation into the other five official languages as proposed by the General Secretariat, and shall be ensured by the Standardization Committee for Vocabulary (SCV), comprising experts in the various official languages and members designated by interested administrations and other participants in the work of ITU-T, as well as the rapporteurs for vocabulary of the ITU-T study groups, the representative of the General Secretariat (Conferences and Publications Department) and the Telecommunication Standardization Bureau (TSB) editor for the English language;*

*2 that the terms of reference of SCV are given in Annex 1 to this resolution;*

*3 that SCV should review and revise where necessary the existing database for terms and definitions in ITU, and in particular those used in SANCHO and any relevant update by ITU T study groups adopted since the beginning of 2006;*

*4 that the chairman and the six vice-chairmen, each representing one of the official languages, should be nominated by the World Telecommunication Standardization Assembly;*

*5 that, when proposing terms and definitions, the ITU-T study groups shall use the guidelines given in Annex 2 to this resolution, and invite the ITU General Secretariat to review these guidelines and provide any useful comments to SCV for its consideration, and after approval they will be sent to the study groups for implementation;*

*6 that the ITU-T study groups, within their terms of reference, should continue their work on technical and operational terms and their definitions in English only;*

*7 that each ITU-T study group should appoint a permanent rapporteur for vocabulary to coordinate efforts regarding terms and definitions and related subjects and to act as a contact person for the study group in this domain;*

*8 that the responsibilities of the rapporteur for vocabulary are given in Annex 3 to this resolution;*

*9 that, where more than one ITU-T study group is defining the same terms and/or concept, efforts should be made to select a single term and a single definition which is acceptable to all of the ITU-T study groups concerned;*

*10 that, when selecting terms and preparing definitions, the ITU-T study group shall take into account the established use of terms and existing definitions in ITU, in particular those appearing in SANCHO as well as those found in the International Electrotechnical Vocabulary (IEV);*

*11 that the Telecommunication Standardization Bureau (TSB) should collect all new terms and definitions proposed by the ITU-T study group, and provide them to SCV, which shall act as an interface with IEC;*

*12 that, in close collaboration with the ITU General Secretariat (Conferences and Publications Department), SCV shall communicate with individual rapporteurs for vocabulary and, if necessary, promote meetings of experts where inconsistencies are found between terms and definitions in ITU-T and IEC; these mediation efforts should seek agreement to the extent that such agreement is feasible, with remaining inconsistencies duly noted;*

*13 that rapporteurs for vocabulary should take into account any available ITU Sector lists of emerging terms and definitions and draft IEV chapters, to seek consistency of the Sector terms and definitions wherever practicable;*

*14 that SCV should discharge its responsibility by working electronically, with a possible short face-to-face meeting once per year, to which, in addition to the chairman, and the vice-chairmen, the representatives of the Conferences and Publications Department, the TSB editor for the English language and the study group rapporteurs for vocabulary shall be invited,*

*instructs the Director of the Telecommunication Standardization Bureau*

*1 to nominate an editor for the English language, who will act as the secretary of SCV;*

*2 to facilitate the work of SCV by providing its chairman with the necessary support for organizing electronic meetings of SCV and the annual face-to-face meeting;*

*3 to collaborate with the General Secretariat in order for the output of SCV to be integrated in the database of terms and definitions of the whole ITU.*

| Action Item | Action | Milestone | Periodic Goals Met | Completed |
| --- | --- | --- | --- | --- |
| [67-01](#Item67_01) | TSB Establish website for SCV | 31-Jan-09 |  | ✓ |
| [67-02](#Item67_02) | TSB Schedule first meeting for week of 28 April'09 | 29-Apr-09 |  | ✓ |
| [67-03](#Item67_03) | SGs and TSAG appoint vocabulary rapporteurs | 30-Jun-09 |  | ✓ |
| [67-04](#Item67_04) | SGs and TSAG solicit participants for SCV mailing list (Resolves 1) | 01-Jun-09 |  | ✓ |
| [67-05](#Item67_05) | TSB Organize annual meeting | ongoing |  | ✓ |

**Action Item 67-01: TSB**

Done

SCV website is found at [http://www.itu.int/ITU-T/committees/scv](http://www.itu.int/ITU-T/committees/scv/index.html%20)

**Action Item 67-02: TSB**

Done

29 April 2009: The first meeting of the SCV was held on 29 April 2009, during the TSAG meeting of 28-30 April 2009; regular reports will be made to TSAG.

**Action Item 67-03: SGs and TSAG**

Done

19 January 2010:

All SGs had appointed Vocabulary Rapporteurs by 6 April 2009; TSAG appointed Vocabulary Rapporteur 30 April 2009. All SG contacts are listed at  [http://www.itu.int/ITU-T/committees/scv](%20http:/www.itu.int/ITU-T/committees/scv/index.html)

**Action Item 67-04: SGs and TSAG**

Done.

A request for representatives was made to all members of the Sector, not limited to a single representative per study group. The list of members is posted as the SCV mailing list

**Action Item 67-05: TSB**

The first meeting of the SCV was held on 29 April 2009, during the TSAG meeting of 28-30 April 2009; regular reports will be made to TSAG. An additional meeting was held on 30 Nov 2009, as a virtual meeting using a telephone teleconference bridge and GoTo Meeting to display presentations and demonstration of a tool to extract terminology from documents.

Additional meetings have been:

* 12 Feb 2010, just following TSAG (8-11 Feb 2010). See [TSB Circular 78](http://www.itu.int/md/T09-TSB-CIR-0078/en) (14 December 2009). The meeting report is found in [SCV-R2](http://www.itu.int/en/ITU-T/committees/scv/Documents/SCV_R-002.pdf) ([http://www.itu.int/ITU-T/committees/scv/Documents/SCV\_R-002.pdf](http://www.itu.int/en/ITU-T/committees/scv/Documents/SCV_R-002.pdf))
* 19 March 2010 virtual meeting – approved a [liaison to TSAG](http://www.itu.int/en/ITU-T/committees/scv/Documents/SCV_TD-004.pdf) ([http://www.itu.int/ITU-T/committees/scv/Documents/SCV\_TD-004.pdf](http://www.itu.int/en/ITU-T/committees/scv/Documents/SCV_TD-004.pdf) ) with a proposal for new material on vocabulary to be added to the Author’s guide for drafting ITU-T Recommendations.
* 4 November 2010 virtual meeting – The meeting report is found in [SCV-TD/6](http://www.itu.int/en/ITU-T/committees/scv/Documents/SCV_TD-006.doc) ([http://www.itu.int/ITU-T/committees/scv/Documents/SCV\_TD-006.doc](http://www.itu.int/en/ITU-T/committees/scv/Documents/SCV_TD-006.doc) )
* 7 February 2011 – will be a virtual meeting (subsequently postponed to a later date in respect for its late Chairman Mr. Nabil Kisrawi. TSAG (8-11 Feb 2011) agreed to appoint Ms Marie-Thérèse Alajouanine (France) as Chairman of the SCV. The vice-chairmen are Ms Marta Serrano (Spain), Mr Ahmad M. Khawaldeh (Jordan), Mr Oleg Viktorovich Mironnikov (Russian Federation), Mr James Ennis (United States) and Ms Weiling Xu (China).)

The report of SCV to TSAG (Feb 2010) is found in [TSAG TD123](http://www.itu.int/md/T09-TSAG-100208-TD-GEN-0123/en) ([http://www.itu.int/md/T09-TSAG-100208-TD-GEN-0123](http://www.itu.int/md/T09-TSAG-100208-TD-GEN-0123/en)). A review and formal approval of the liaison to ITU-T Study Groups emanating from the February 2010 TSAG meeting was held on 19 March 2010.

On 4 November 2010, a virtual meeting was convened where progress on the tool to extract terminology from documents was reported and a possible joint activity with IEC was discussed to revise harmoniously the telecommunication terminology of the online Electropedia maintained by IEC. A face-to-face meeting is planned for 7 February 2011 to continue discussions of this possible joint activity.

The report of SCV to TSAG (February 2011) is found in [TSAG TD/202](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=T09-TSAG-110208-TD-GEN-0202) ([http://www.itu.int/md/T09-TSAG-110208-TD-GEN-0202](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=T09-TSAG-110208-TD-GEN-0202) )

SCV will meet during TSAG July 2012 and it is expected to make a recommendation to suppress or modify the Resolution.

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# Resolution 68 - The implementation of Resolution 122 (Rev. Antalya, 2006) on the evolving role of the World Telecommunication Standardization Assembly

**Resolution 68**

*resolves that the Director of the Telecommunication Standardization Bureau*

*1 shall organize meetings for high-level industry executives in order to assist in identifying and coordinating standardization priorities and subjects, in order to minimize the number of forums and consortia;*

*2 bring the needs of developing countries to these meetings by consulting them prior to these meetings using questionnaires;*

*3 develop effective mechanisms to attract an increased number of high-level technology executives to participate in these meetings;*

*4 report on the progress of this resolution to the next WTSA, with lessons learned.*

| Action Item | Action | Milestone | Periodic Goals Met | Completed |
| --- | --- | --- | --- | --- |
| [68-01](#Item68_01) | Director to organize Chief Technical Officer (CTO) meeting | 06-Oct-09  29-Oct-2010  25-Oct-2011  18-Nov-2012 |  | ✓ |
| [68-02](#Item68_02) | Develop a mechanism to attract high-level participation | 30-Apr-09  May 2010 | ✓ |  |
| [68-03](#Item68_03) | TSB to develop questionnaire for developing countries to identify their standardization needs | 31-May-09  May 2010 |  | ✓ |
| [68-04](#Item68_04) | TSB coordinator to examine planning and results of ITU-D Global Industry Leaders Forum (March 2008) | Ongoing |  |  |
| [68-05](#Item68_05) | Director to report on progress and lessons learned to WTSA-12 | 30-Jun-12 |  | ✓ |

**Action Item 68-01: TSB**

Done

Three high level industry executives (CTO Group, <http://itu.int/ITU-T/tsb-director/cto>) were held in this study period, with a fourth one being scheduled on 18 November 2012 in Dubai:

* 1st meeting: 6 October 2009 during ITU TELECOM World 2009. Nineteen major CTOs or equivalents attended and agreed on a [joint Communiqué](http://www.itu.int/dms_pub/itu-t/oth/3D/01/T3D010000020002MSWE.doc) and action plan.

The CTOs recognized that the standardization landscape has become too complicated and fragmented, as there are hundreds of industry forums and consortia in addition to national, regional and international SDOs competing for business. It is becoming increasingly challenging for the ICT industry to identify and prioritize the places to concentrate their standardization resources. Thus, CTOs called for a review of the standardization scenario so as to identify priorities for the industry. Such a review should include: (1) principles on why and what types of standards are needed; (2) identification of the different SDOs, their roles and capabilities; and (3) implementation of improvements to the present standards scenario so that SDOs complement rather than compete with one another.

* 2nd annual meeting: Paris, 29 October 2010, hosted by Orange. A group of 23 major CTOs or equivalents attended and agreed on a [joint Communiqué](http://www.itu.int/dms_pub/itu-t/oth/3D/01/T3D010000020002MSWE.doc) and action plan. Faced with an ever-growing number of standards bodies and consortia, the CTOs called for immediate steps to streamline and modernize the standards landscape and endorsed the need for a new approach, based on collaboration, cooperation and coordination, to improve the efficiency of standards work, reduce duplicating and conflicting standards and promote a seamless, interoperable future global communications network. As a result of the review, the CTOs initially identified, in addition to ITU, a number of regional and national standards bodies that are key standardization organizations. Details are available in [TSAG TD 184](http://www.itu.int/md/T09-TSAG-110208-TD-GEN-0184/en).
* 3rd annual meeting: Geneva, 25 October 2011 during ITU Telecom World with 21 CTOs or equivalents from leading companies in the ICT industry. The group pressed ITU to accelerate technical standardization work in the field of e-health.

The CTOs believe that any revision of the International Telecommunication Regulations (ITRs) should reflect technology-neutral, high-level principles, and should be stable enough to reduce the need for future updates.

Informed of the effect of the recent earthquake and tsunami in Japan on networks, CTOs recommended to TSAG to establish a Focus Group to learn from the experience and develop standards and best practices for network resilience in the event of similar disasters. Two crucial areas would be a system allowing individuals to notify a victim's friends, family or employer; and a disaster relief guidance mechanism to help victims reach safety.

**Action Item 68-02: TSB**

Done

Three Chief Technology Officer [CTO meeting](http://www.itu.int/ITU-T/tsb-director/cto/).)s have been held successfully in this study period. Pursuant to Resolution 68, all invited participants were from ITU-T Sector Member companies.

TSB has organized forums on "Implementation of decisions of ITU-T World Telecommunication Standardization Assembly -(WTSA-08)", including Accra, Ghana, 16-17 June 2009; Quito, Ecuador, 7 July 2009; Nadi, Fiji, 16-17 September 2009. (same comment as under Action Item 59-02)

[TSB Circular 36](http://www.itu.int/md/T09-TSB-CIR-0036/en), "Questionnaire to developing countries on “High-level Industry Executive Meetings”, was published 30 April 2009 ([http://www.itu.int/md/T09-TSB-CIR-0036](http://www.itu.int/md/T09-TSB-CIR-0036/en)). Results were used as input to the CTO meeting on 6 October 2009.

[TSB Circular 112](http://www.itu.int/md/T09-TSB-CIR-0112/en), “Questionnaire to developing countries on “High-level Industry Executive Meetings”, was published 20 May 2010 ([http://www.itu.int/md/T09-TSB-CIR-0112](http://www.itu.int/md/T09-TSB-CIR-0112/en)). Results of this second questionnaire were used as inputs to the second CTO meeting of October 2010.

[TSB Circular 212](http://www.itu.int/md/T09-TSB-CIR-0212/), “**Questionnaire to developing countries on "High-level Industry Executive Meetings"** was published 25 July 2011 (<http://www.itu.int/md/T09-TSB-CIR-0212/>). The results of this third questionnaire were used as input to the 25 October 2011 CTO meeting.

**Action Item 68-03: TSB**

Done

30 April 2009: [TSB Circular 36](http://www.itu.int/md/T09-TSB-CIR-0036/en) ([http://www.itu.int/md/T09-TSB-CIR-0036](http://www.itu.int/md/T09-TSB-CIR-0036/en)) published 30 April 2009: "Questionnaire to developing countries on “High-level Industry Executive Meetings”. Results were used as input to the meeting of high-level executives on 6 October 2009.

[TSB Circular 96](http://www.itu.int/md/T09-TSB-CIR-0096/en) (2 March 2010) ([http://www.itu.int/md/T09-TSB-CIR-0096](http://www.itu.int/md/T09-TSB-CIR-0096/en)), containing a questionnaire to developing countries on “High-level Industry Executive Meetings” was distributed in order to obtain views on the needs of developing countries in standardization. Responses were received from eight Member States: Bolivia, the Dominican Republic, Djibouti, Moldova, Tanzania, Turkey, Ukraine, and Viet Nam.

As a follow-up, [TSB Circular 112](http://www.itu.int/md/T09-TSB-CIR-0112/en) ([http://www.itu.int/md/T09-TSB-CIR-0112](http://www.itu.int/md/T09-TSB-CIR-0112/en)) (20 May 2010) containing a questionnaire to developing countries on “High-level Industry Executive Meetings” was distributed in order to obtain additional views on the needs of developing countries in preparation for the upcoming CTO meeting on 29 October 2010. More than double of replies were received as compared to the previous year.

A questionnaire was sent to the administrations and ITU-T Sector Members of developing countries in [TSB Circular 212](http://www.itu.int/md/T09-TSB-CIR-0212/en) ([http://www.itu.int/md/T09-TSB-CIR-0212](http://www.itu.int/md/T09-TSB-CIR-0212/en)) on 18 July 2011, “Questionnaire to developing countries on ‘High-level Industry Executive Meetings’” in preparation of the third meeting of high-level industry executives held during ITU TELECOM World 2011 in Geneva in October 2011.

A fourth CTO meeting will take place on 18 November 2012 in Dubai, UAE.

**Action Item 68-04: TSB**

The BDT organizes the Global Industry Leaders Forum every year in conjunction with the Global Symposium of Regulators. TSB examines the planning and results from these meetings for application to WTSA Resolution 68.

**Action Item 68-05: TSB**

See report updated in Action Items above.

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# Resolution 69 - Non discriminatory access and use of Internet resources

**Resolution 69**

*resolves to invite Member States*

*1 to refrain from taking any unilateral and/or discriminatory actions that could impede another Member State from accessing public Internet sites, within the spirit of Article 1 of the Constitution and the WSIS principles;*

*2 to report to the Director of the Telecommunication Standardization Bureau on any incident referred to in 1 above,*

*instructs the Director of the Telecommunication Standardization Bureau*

*1 to integrate and analyse the information on incidents reported from Member States;*

*2 to report this information to Member States, through an appropriate mechanism,*

*invites Member States and Sector Members*

*to submit contributions to the ITU-T study groups that contribute to the prevention and avoidance of such practices.*

| Action Item | Action | Milestone | Periodic Goals Met | Completed |
| --- | --- | --- | --- | --- |
| [69-01](#Item69_01) | Director to integrate and analyze incident reports from Member States. | ongoing |  |  |
| [69-02R1](#Item69_02) | TSB to develop website to take incident reports | 30-Mar-09 |  | ✓ |
| [69-03](#Item69_03) | Post the Director's analyses of incident reports. | ongoing |  |  |

**Action Item 69-01, 69-02 and 69-03: TSB**

20-Jan-09: An [incident reporting website](http://www.itu.int/net/ITU-T/res69/Default.aspx) has been established at <http://www.itu.int/net/ITU-T/res69>, as announced in [TSB Circular 13](http://www.itu.int/md/T09-TSB-CIR-0013/en) (16 January 2009) and [TSB Circular 13, Add.1](http://www.itu.int/md/T09-TSB-CIR-0013/en) (23 March 2009). Member States are to use reporting forms found at <http://www.itu.int/net/ITU-T/forms/res69/secured/notify.aspx> .

All reports and replies are available on this website and can be accessed by registered ITU TIES users only.

A status report and invitation to MSs to report incidents, as appropriate, by using the website established for this purpose was sent to ITU-T membership in [TSB Circular 211](http://www.itu.int/md/T09-TSB-CIR-0211/en), dated 13 July 2011 ([http://www.itu.int/md/T09-TSB-CIR-0211](http://www.itu.int/md/T09-TSB-CIR-0211/en)).

TSB received 11 three reports in this study period (3(2009), 2(2010), 3(2011), 3(2012)) and has sent them to the Administration of the concerned Member States according to the established procedure.

As of July 2012, TSB has not received any feedback from the Administration of the Member State alleged as responsible; therefore it’s not possible to complete the TSB Director’s analyses incident reports.

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# Resolution 70 - Telecommunication/ICT accessibility for persons with disabilities

**Resolution 70**

*resolves*

*1 that Study Group 2, Study Group 16 and the Joint Coordination Activity on Accessibility and Human Factors shall give high priority to work on the relevant Questions, in accordance with the accessibility guidelines, as shown in the Guide for ITU-T study groups – Considering end-user needs in developing Recommendations and in the Telecommunication Accessibility Checklist for standards writers and accessibility guidelines, as shown in Recommendation ITU-T F.790;*

*2 to emphasize to all study groups the importance of universal design of accessible telecommunication/ICT services, products and terminals and to request their chairmen, at the start of each study group meeting, to remind meeting participants to take appropriate account of the guide and checklist,*

*invites Member States and Sector Members*

*1 to consider developing, within their national legal frameworks, guidelines or other mechanisms to enhance the accessibility, compatibility and usability of telecommunication/ICT services, products and terminals;*

*2 to consider introducing telecommunication relay services to enable persons with hearing and speech disabilities to utilize telecommunication services that are functionally equivalent to telecommunication services for persons without disabilities;*

*3 to participate actively in accessibility-related studies in ITU-T, ITU-R and ITU-D, and to encourage and promote self representation by persons with disabilities in the standardization process so as to ensure their experiences, views and opinions are taken into account in all the work of study groups,*

*invites the Director of the Telecommunication Standardization Bureau*

*1 to identify and document examples of best practice for accessibility in the field of telecommunication/ICT for dissemination among ITU Member States and Sector Members;*

*2 to review the accessibility of ITU-T services and facilities and to consider making changes, where appropriate, pursuant to United Nations General Assembly Resolution A/RES/61/106, and to report to the ITU Council on these matters;*

*3 to work collaboratively on accessibility-related activities with the Directors of the Radiocommunication Bureau (BR) and the Telecommunication Development Bureau (BDT), in particular concerning awareness and mainstreaming of telecommunication/ICT accessibility standards, reporting findings to the Council as appropriate;*

*4 to work collaboratively on accessibility-related activities with ITU-D, in particular developing programmes that enable developing countries to introduce services that allow persons with disabilities to utilize telecommunication services effectively;*

*5 to work collaboratively and cooperatively with other standardization organizations and entities, in particular, in the interest of ensuring that ongoing work in the field of accessibility is taken into account, in order to avoid duplication;*

*6 to work collaboratively and cooperatively with disability organizations in all regions to ensure that the needs of the disabled community are taken into account in all standardization matters;*

*7 to consider the development of an internship programme for people with disabilities who have expertise in the field of ICTs, to build capacity amongst people with disabilities in the standards-making process and to raise awareness within ITU-T of the needs of persons with disabilities;*

*8 to create a disability coordination point within ITU-T to assist the Director of TSB in reporting the findings of the review of ITU-T services and facilities,*

*instructs the Telecommunication Standardization Advisory Group*

*to revise the Guide for ITU study groups – Considering end-user needs in developing Recommendations, and relevant guidelines for end user needs, in order to specifically include the needs of persons with disabilities, and to update this guide on a regular basis, based on contributions from Member States and Sector Members as well as the ITU-T study groups, as appropriate.*

| Action Item | Action | Milestone | Periodic Goals Met | Completed |
| --- | --- | --- | --- | --- |
| [70-01](#Item70_01) | TSB to develop a best practices survey: web-based with back-end database; create an accessible web page; develop outreach and awareness plan. | ongoing | ✓ |  |
| [70-02](#Item70_02) | Director to provide ITU-T information to General Secretariat for use in a pilot assessment of ITU services and facilities for accessibility. |  | ✓ |  |
| [70-03](#Item70_03) | Director to identify projects or activities on ITU wide awareness and mainstreaming of telecommunication/ICT Accessibility Standards | ongoing | ✓ |  |
| [70-04](#Item70_04) | Director, in collaboration with BDT Director, to develop a program for developing countries on how persons with disabilities use telecommunication/ICT services effectively and to include best practices. | ongoing | ✓ |  |
| [70-05](#Item70_05) | TSB to survey ongoing accessibility standards work in other standardization organizations, taking the results into account to avoid duplication | ongoing | ✓ |  |
| [70-06](#Item70_06) | JCA-HFA (Human factors and accessibility) and TSB to identify disability organizations for collaborative work and coordination with ITU-T standardization work. | ongoing | ✓ |  |
| [70-07](#Item70_07) | Director to examine possible internship programme to involve persons with disabilities and ICT expertise in ITU-T standardization work. |  | ✓ |  |
| [70-08](#Item70_08) | Director to create, and define the relevant responsibilities, for a disability coordination point within ITU-T. |  | ✓ |  |
| [70-09](#Item70_09) | TSAG to update the Guide for ITU study groups - Considering end-user needs in developing Recommendations. | pending |  |  |
| [70-10](#Item70_10) | Director to consult with General Secretariat Task Force on Accessibility regarding adding standard text to all Collective Letters requesting to be informed of special needs of registrants. |  | ✓ |  |
| [70-11](#Item70_11) | TSB to request updated information from ITU task force on accessibility for meeting hosts to include accessibility aspects. |  | ✓ |  |

**Action Item 70-01: TSB**

TSB commissioned a study on a Business Plan for WTSA-08 Res 70 for the TSAG meeting in 28 April 2009.

8 June 2009: [ITU-T and Accessibility website](http://www.itu.int/ITU-T/accessibility/index.html) ([http://www.itu.int/ITU-T/accessibility](http://www.itu.int/ITU-T/accessibility/index.html)) was launched by TSB and is being continuously updated. This website acts as a portal to information on meetings, workshops, Newslog and other accessibility-related external links. It also has an accessible format, e.g., accessible with a screen-reader by users with visual impairments.

**Action Item 70-02: TSB**

Done.

After PP-10 adopted Resolution 175 “Telecommunication /ICT accessibility for persons with disabilities, including age-related disabilities”, ITU established an accessibility task force which had its initial meeting in November 2010. This action item and information from ITU-T has been provided to the task force.

**Action Item 70-03: TSB**

TSB Director submitted a report to Council-2009 in [C09/35, Add.1](http://www.itu.int/md/S09-CL-C-0035/en), Section V, Clause 2, containing a review of ITU-T activities with respect to Resolution 70 during 2008 and 2009.([http://www.itu.int/md/S09-CL-C-0035](http://www.itu.int/md/S09-CL-C-0035/en) ).

TSB Director submitted a report to Council-2010 in [C10/35](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=S10-CL-C-0035), clause 57, stating: “In 2008, ITU-T also launched a new work programme on accessibility, with a portal launched in June 2009 as a one-stop shop for accessibility resources with links to all ITU-T work in this area. ITU-T has produced an accessibility Action Plan and developed an accessibility checklist for standards (WTSA-08 Res. 70)” (C10-35 is at [http://www.itu.int/md/ S10-CL-C-0035](http://www.itu.int/md/S10-CL-C-0035) )

TSB Director submitted a report to Council-2011 in [C11/35](http://www.itu.int/md/S11-CL-C-0035) , clause 56 ([http://www.itu.int/md/S11-CL-C-0035](http://www.itu.int/md/S11-CL-C-0035/en) ) mentioned some accessibility workshops and a new Focus Group on Audio Visual Accessibility (FG AVA). TSB leads a Dynamic Coalition on Accessibility & Disability (DCAD) in the Internet Governance Forum.

TSB Director submitted a report to Council-2012 in [C12/35](http://www.itu.int/md/S12-CL-C-0035) , clause 3.4 (<http://www.itu.int/md/S12-CL-C-0035> ) mentioned the work of FG AVA, DCAD in 2011, an ITU Workshop on “Telecommunication Relay Services for Persons with Disabilities” and the publication of “Making Television Accessible”.

A Focus Group was launched in May 2011 on Audiovisual Media Accessibility ([FG AVA](http://www.itu.int/en/ITU-T/focusgroups/ava/Pages/default.aspx)) with support from ITU-R SG6. The Focus Group AVA held six meetings to make audiovisual media accessible for persons with disabilities.

TSB provided captioning to some of its meetings including the January 2012 TSAG meeting and all accessibility related workshops and meetings. These online workshops and meetings with speech captioning were successfully achieved and TSB is continuously looking for better systems and options to use in order to have accessible electronic meetings. (Also see WTSA-08 [Action Item 32-08](#Item32_08)).

The TSB Director is also leading an ITU internal group to coordinate ITU preparation for the Internet Governance Forum. As part of the IGF process, ITU leads the [Dynamic Coalition on Accessibility and Disability](http://www.itu.int/themes/accessibility/dc/index.html) ([http://www.itu.int/themes/accessibility/dc](http://www.itu.int/themes/accessibility/dc/index.html)) and TSB acts as the DCAD secretariat.

* 2 November 2009: ITU-T organized ITU-T Workshop in Geneva on "[The impact of the United Nations Convention on the Rights of Persons with Disabilities on the work of the ITU-T](http://www.itu.int/ITU-T/worksem/accessibility/200911/index.html)".
* 16 November 2009: ITU-T organized the ITU Workshop “[Global Internet access for persons with disabilities](http://www.itu.int/ITU-T/worksem/accessibility/20091116/index.html)”, along with the European Broadcasting Union, at the 4th Internet Governance Forum meeting, Sharm el Sheikh, Egypt.
* 16 November 2009: ITU-T organized the second face to face meeting of the Dynamic Coalition on Accessibility and Disability, which normally only holds virtual meetings.
* 17 November 2009: ITU-T organized the ITU Workshop “Best practices for an Accessible Web” at 4th Internet Governance Forum meeting, Sharm el Sheikh, Egypt.
* 2 - 5 February 2010: ITU-T co-organized a Joint WIPO-ITU Accessibility Workshop focusing on improving web accessibility for persons with disabilities. The Joint Workshop brought together over 180 persons from some 32 organizations to promote awareness about accessibility for people with disabilities and to encourage webmasters within the United Nations system and other organizations to implement principles of accessibility in their daily work.
* [27 – 28 May 2010, Geneva, Switzerland](http://www.wipo.int/meetings/en/details.jsp?meeting_id=20305): ITU-T accessibility officer represents the ITU at the WIPO consultation for the VIP (Visually Impaired Persons) Initiative ([http://www.wipo.int/meetings/details.jsp?meeting\_id=20305](http://www.wipo.int/meetings/en/details.jsp?meeting_id=20305))
* 23 July 2010, Shanghai, China: ITU organized a workshop on [‘Accessibility to ICTs’ – World Expo 2010](http://www.itu.int/ITU-T/worksem/accessibility/201007/index.html) ([http://www.itu.int/ITU-T/worksem/accessibility/201007](http://www.itu.int/ITU-T/worksem/accessibility/201007/index.html) )
* 27 July 2010, Geneva, Switzerland: ITU-T organized the third face-to-face meeting of the [JCA-AHF](http://www.itu.int/en/ITU-T/jca/ahf/Pages/default.aspx) ([http://www.itu.int/ITU-T/jca/ahf/](http://www.itu.int/en/ITU-T/jca/ahf/Pages/default.aspx) )
* 15 September 2010, Vilnius, Lithuania: [IGF Workshop No. 182](http://www.intgovforum.org/cms/index.php/component/chronocontact/?chronoformname=WSProposals2010View&wspid=182): ‘Can Mobile ‘Apps’ create a new golden age of accessibility?’ co-organized with DCAD and EBU (<http://www.intgovforum.org/cms/index.php/component/chronocontact/?chronoformname=WSProposals2010View&wspid=182>)
* 16 September 2010, Vilnius, Lithuania: [IGF Workshop No. 180](http://www.itu.int/themes/accessibility/dc/workshops/201009/index.html): ‘From Athens to Vilnius: Beyond the UN Convention on the rights of persons with disabilities’ organized by DCAD ([http://www.itu.int/themes/accessibility/dc/workshops/201009](http://www.itu.int/themes/accessibility/dc/workshops/201009/index.html) )
* 16 September 2010, Vilnius, Lithuania: [Third Face-to-face meeting of the DCAD](http://www.itu.int/themes/accessibility/dc/meetings/003.html) (<http://www.itu.int/themes/accessibility/dc/meetings/003.html>)
* 24 September 2010, Turin, Italy: International Conference: “Mass Media – Disabilities and New Technologies, organized in collaboration with Rai (Italian National TV) and the Prix Italia”. The ITU-T accessibility officer is invited to speak at the conference
* [4 – 7 October 2010](http://www.ohchr.org/EN/HRBodies/CRPD/Pages/Session4.aspx), Geneva, Switzerland ([http://www.ohchr.org/HRBodies/CRPD/Pages/Session4.aspx](http://www.ohchr.org/EN/HRBodies/CRPD/Pages/Session4.aspx) ): Participation to the work of the [UN Committee on the rights of persons with disabilities](http://www.ohchr.org/EN/HRBodies/CRPD/Pages/CRPDIndex.aspx) ([http://www.ohchr.org/HRBodies/CRPD/Pages/CRPDIndex.aspx](http://www.ohchr.org/EN/HRBodies/CRPD/Pages/CRPDIndex.aspx) )
* 14 October 2010, Guadalajara, Mexico: Co-organization of the [Accessibility Side Event](http://www.itu.int/plenipotentiary/2010/side-events/event3.pdf) (<http://www.itu.int/plenipotentiary/2010/side-events/event3.pdf> )
* 1 – 2 November 2010, Odessa, Ukraine: ITU-D workshop for Europe and CIS Regional [Workshop on Mainstreaming ICT Accessibility for persons with disabilities](http://www.itu.int/ITU-D/sis/PwDs/Seminars/Ukraine/Odessa_workshop.html). The ITU-T accessibility officer is invited as speaker and session moderator (<http://www.itu.int/ITU-D/sis/PwDs/Seminars/Ukraine/Odessa_workshop.html> )
* 3 – 5 November 2010, Geneva, Switzerland: [World Standard Cooperation Workshop on ‘Accessibility and the Contribution of International Standards](http://www.iso.org/sites/WSC_Accessibility_2010/index.html)’. ITU-T is co-organizer and co-sponsor of the event. The ITU-T Accessibility officer is moderator and rapporteur in the three-day session “e-Accessibility and e-inclusion” ([http://www.iso.org/sites/WSC\_Accessibility\_2010](http://www.iso.org/sites/WSC_Accessibility_2010/index.html) )
* 15 November 2010, Geneva, Switzerland: ITU-T organized the fourth face-to-face meeting of the [JCA-AHF](http://www.itu.int/en/ITU-T/jca/ahf/Pages/default.aspx), Geneva, Switzerland ([http://www.itu.int/ITU-T/jca/ahf/](http://www.itu.int/en/ITU-T/jca/ahf/Pages/default.aspx))
* 15 – 16 November 2010, Washington DC: The TSB Director speaks at the Global Forum organized by G3ict ‘[ICT Accessibility: a New Frontier for Disability Right](http://g3ict.org/events/schedule/event_overview/p/eventId_218/id_516)s’ (<http://g3ict.org/events/schedule/event_overview/p/eventId_218/id_516> )
* 23 – 24 November 2010, Geneva, Switzerland: [ITU-EBU Joint Workshop on Accessibility to Broadcasting and IPTV Access for All](http://www.itu.int/ITU-T/worksem/accessibility/20101123/index.html) ([http://www.itu.int/ITU-T/worksem/accessibility/20101123](http://www.itu.int/ITU-T/worksem/accessibility/20101123/index.html))
* Presentation of FG AVA work in Botswana, 25 July 2011: ITU-T Events
* Presentation of the FG AVA work and member of Scientific Committee of a project in Italy for digital inclusion - cloud computing based project: Como, Italy 9 – 10 June 2011
* Contribution to: Asia-Pacific Regional Forum on Digital Inclusion for All, 21 – 23 June 2011, Singapore: prepared in cooperation with the ITU regional office in Bangkok
* Participation on behalf of ITU and ITU-T at Inter Agency Support Group – UN inter agency meeting: 6 and 7 July 2011
* Contribution to the [ITU Asia-Pacific Regional Development Forum](http://www.itu.int/ITU-D/asp/CMS/Events/2012/RDF/index.asp), 16-18 May 2012, Bangkok, Thailand
* ITU Tutorial on Audiovisual Media Accessibility, 14 – 15 March 2012, New Delhi, India
* [ITU Workshop "Making Television Accessible - from Idea to Reality"28 May 2012, Tokyo Japan](http://www.itu.int/en/ITU-T/Workshops-and-Seminars/accessibility/201205/Pages/default.aspx)
* DCAD: (<http://www.itu.int/themes/accessibility/dc/meetings-2011.html>)
* DCAD meeting: 5 April 2011
* DCAD meeting: 21 June 2011
* DCAD meeting: 5 July 2011
* DCAD meeting: 4 August 2011
* DCAD meeting: 29 September 2011
* DCAD meeting: 5 April 2012
* DCAD meeting: 16 April 2012
* DCAD workshop no. 136 at IGF: [Workshop on "Mainstreaming the disability perspective for an inclusive society"](http://www.itu.int/themes/accessibility/dc/workshops/201109/137/index.html), Dynamic Coalition on Accessibility and Disability (DCAD), 28 September 2011, IGF, Nairobi, Kenya

* DCAD workshop no. 137 at IGF: [Workshop on "Implementing good practices in accessibility for an inclusive society"](http://www.itu.int/themes/accessibility/dc/workshops/201109/136/index.html), Dynamic Coalition on Accessibility and Disability (DCAD)  
  28 September 2011, IGF, Nairobi, Kenya
* ITU/EBU joint workshop no. 138 at IGF: [Workshop on "How Can We Reach the Media Have-Nots of the Developed and Developing Worlds?"](http://www.itu.int/themes/accessibility/dc/workshops/201109/138/index.html), Joint ITU/EBU workshop  
  29 September 2011, IGF, Nairobi, Kenya
* FG AVA first meeting: 26 May 2011
* FG AVA second meeting: 15 September 2011
* FG AVA third meeting, 19 January 2012, Barcelona, Spain
* FG AVA fourth meeting, 13 March 2012, New Delhi, India
* FG AVA fifth meeting, 29 May 2012, Tokyo, Japan
* JCA-AHF meeting, 21 March 2011
* JCA-AHF meeting, 2 June 2011
* JCA-AHF meeting, 22 November 2011
* JCA-AHF meeting, March 2012
* JCA-AHF meeting, May 2012
* SG16 Q26/16 meetings: March 2011
* SG16 Q26/16 meetings: November 2011
* SG16 Q26/16 meetings: May 2012
* SG2 Q4/2 meetings: June 2011
* SG2 Q4/2 meetings: March 2012
* Participation to ITU-D Q20/1 meetings: May 2011
* Participation to ITU-D Q20/1 meetings: September 2011
* Participation to ITU-D Q20/1 meetings: April 2012

**Action Item 70-04: TSB**

Done

Examples of activities by ITU-T include:

13 October 2009: [ITU Workshop on Accessibility](http://www.itu.int/ITU-T/worksem/accessibility/200910/index.html) - Bamako, Mali (13-15 October 2009); Announced in [TSB Circular 55](http://www.itu.int/md/T09-TSB-CIR-0055/en) (8 September 2009). Presentations based on the ITU-D e-accessibility toolkit, on e-health, e-accessibility and the role of ITU were also included.

ITU-D and the Global Initiative for Inclusive ICTs (G3ict) are developing an online tool called the [Toolkit for Policy Makers on e-Accessibility and Service Needs for Persons with Disabilities](http://www.itu.int/ITU-D/sis/PwDs/Toolkit/index.html) ([http://www.itu.int/ITU-D/sis/PwDs/Toolkit](http://www.itu.int/ITU-D/sis/PwDs/Toolkit/index.html) ). This is to provide all stakeholders with case studies and practical references to support implementation of the digital accessibility agenda at the country level. ITU-D has also established a website for [Persons with Disabilities Initiative](http://www.itu.int/ITU-D/sis/PwDs/index.phtml) at <http://www.itu.int/ITU-D/sis/PwDs/index.phtml> .

August 2009: “[Asia-Pacific Regional Forum on Mainstreaming ICT Accessibility for Persons with Disabilities](http://www.itu.int/ITU-D/asp/CMS/Events/2009/PwDs/index.asp)" was held to highlight best practices from the e-Accessibility toolkit (Bangkok). The Standardization Sector made a presentation on the role of standards in promoting accessibility for persons with disabilities ( <http://www.itu.int/ITU-D/asp/CMS/Events/2009/PwDs/index.asp> ).

1 – 2 November 2010, Odessa, Ukraine: ITU-D workshop for Europe and CIS Regional Workshop on [Mainstreaming ICT Accessibility for persons with disabilities](http://www.itu.int/ITU-D/sis/PwDs/Seminars/Ukraine/Odessa_workshop.html)). The ITU-T accessibility officer is invited as speaker and session moderator (<http://www.itu.int/ITU-D/sis/PwDs/Seminars/Ukraine/Odessa_workshop.html)>

Contribution to: Asia-Pacific Regional Forum on Digital Inclusion for All, 21 – 23 June 2011, Singapore: worked with ITU colleagues in the regional office, in Bangkok.

Contribution to the [ITU Asia-Pacific Regional Development Forum](http://www.itu.int/ITU-D/asp/CMS/Events/2012/RDF/index.asp), 16-18 May 2012, Bangkok, Thailand. Participation to ITU-D Study Groups meeting, namely Q20/1 meetings: May, September 2011, April 2012

**Action Item 70-05: TSB**

Done

ITU-T has been strengthening the collaboration with IEEE and ISO/IEC TC-1: Meetings were held in January and February 2010 with these organizations.

World Standards Cooperation of ISO, IEC and ITU organized an initiative in the field of accessibility 3-5 November 2010, in Geneva: [World Standard Cooperation Workshop on ‘Accessibility and the Contribution of International Standards](http://www.iso.org/sites/WSC_Accessibility_2010/index.html)’. ITU-T is co-organizer and co-sponsor of the event. The ITU-T Accessibility officer is moderator and rapporteur in the three-day session “e-Accessibility and e-inclusion” ([http://www.iso.org/sites/WSC\_Accessibility\_2010](http://www.iso.org/sites/WSC_Accessibility_2010/index.html) )

TSB, in cooperation with the European Broadcasting Union and the ITU Radiocommunication Bureau, organized an accessibility event at the end of November 2010. 23 – 24 November 2010, Geneva, Switzerland: [ITU-EBU Joint Workshop on Accessibility](http://www.itu.int/ITU-T/worksem/accessibility/20101123/index.html) to Broadcasting and IPTV Access for All ([http://www.itu.int/ITU-T/worksem/accessibility/20101123](http://www.itu.int/ITU-T/worksem/accessibility/20101123/index.html) )

TSB, in cooperation with ISO and IEC under the World Standards Cooperation’s (WSC) umbrella is participating in the revision of ISO/IEC Guide 71: 2001 on “Guidelines for standards developers to address the needs of older persons and persons with disabilities” in order to avoid duplication in accessibility standardization.

**Action Item 70-06: TSB and SGs**

Ongoing and done.

The JCA on Accessibility and Human Factors (JCA-AHF) website ( [http://www.itu.int/ITU-T/jca/ahf/](http://www.itu.int/en/ITU-T/jca/ahf/Pages/default.aspx)) shows information on other organizations involved in accessibility under “Useful Links”, information on external and joint workshops with other organizations.

**Action Item 70-07: TSB**

Done.

TSB was active in examining a policy on internships for persons with disability. This item is awaiting the possible new ITU policy on accessibility which could cover this item. When the ITU policy is available, ITU-T will align its practices accordingly.

**Action Item 70-08: TSB**

Done.

TSB reorganization and recruitment was completed in 2010, with Alexandra Gaspari appointed to the Accessibility Coordinator position.

It is also to note that, after PP-10 adopted Resolution 175 “Telecommunication /ICT accessibility for persons with disabilities, including age-related disabilities”, ITU established an internal accessibility task force in November 2010 and re-launched the ITU accessibility task force in May 2012 to continue work on an ITU policy on accessibility.

**Action Item 70-09: TSAG**

TSAG had not begun review of the Guide as of its July 2012 meeting.

A number of the *Resolves* and *Instructs* of new PP-10 Resolution 175, “Telecommunication /ICT accessibility for persons with disabilities, including age-related disabilities”, are relevant to the Guide and will need to be taken into account.

**Action Item 70-10: TSB**

This item is awaiting the possible new ITU policy on accessibility which could cover this item. When the ITU policy is available, ITU-T will align its practices accordingly.

**Action Item 70-11: TSB**

Done.

The TSB workshop division finalized a checklist for hosting meetings abroad where accessibility requirements are clearly indicated.

This has been brought to the attention of the ITU task force on accessibility. This item is awaiting possible new ITU policy on accessibility which could cover this item. When the ITU policy is available, ITU-T will align its practices accordingly.

**Jeopardy Item 70-07, 70-09, 70-10, 70-11:**

The ITU-T Guide for study groups, as well as other policy issues identified in these action items, is awaiting the possible new ITU policy on accessibility which could cover them. When the ITU policy is available, ITU-T will align its practices accordingly.

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# Resolution 71 - Admission of academia, universities and their associated research establishments to participate in the work of ITU-T

**Resolution 71**

*resolves to instruct the Director of the Telecommunication Standardization Bureau*

*1 to explore and recommend, based in part on advice from the Telecommunication Standardization Advisory Group, various mechanisms, such as the use of voluntary financial and in-kind contributions, to encourage cooperation between ITU-T and academia, universities and their associated research establishments, as well as any possible additional modalities to facilitate their greater participation in the work of the Sector, including the study groups, that are not addressed by Resolution 1 of this assembly and relevant Recommendations; and*

*2 to 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 .*

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Action Item | Action | Milestone | Periodic Goals Met | Completed |
| [71-01](#Item71_01) | TSB Director to invite Council to consider admission of academic institutions, universities and their associated research establishments as SMs or Associates at reduced level of contribution | 01-Aug-09 |  | ✓ |
| [71-02](#Item71_02) | TSAG to provide advice on mechanisms to encourage cooperation between ITU-T and academia, universities and associated research establishments. | 30-Dec-09 |  |  |
| [71-03](#Item71_03) | TSB Director to identify mechanisms to encourage cooperation between ITU-T and academia, universities and their associated research establishments, as well as any possible additional modalities to facilitate their greater participation in the work of the Sector. | ongoing | ✓ |  |
| [71-04](#Item71_04) | TSB Director to provide support for the decisions of Council and Plenipot-10 regarding Resolution 71 | Oct-10 |  | ✓ |
| [71-05](#Item71_05) | TSAG to develop appropriate guidelines and/or procedures regarding academia participants | 13-Jul-12 |  |  |

**Action Item 71-01: TSB**

Done

28 August 2009: Council-2009 documents [C09/30](http://www.itu.int/md/S09-CL-C-0030/en) (28 August 2009) and [C09/30Rev1](http://www.itu.int/md/S09-CL-C-0030/en) (1 October 2009) were submitted to fulfill this action item ([http://www.itu.int/md/S09-CL-C-0030](http://www.itu.int/md/S09-CL-C-0030/en) )

TSB Director also submitted a document to Council WG-FINREGS (Jan 2010), [WG-RG-17/13](http://www.itu.int/md/S10-RFINREGS-C-0013/en), "On financial issues regarding WTSA Resolution 71 (Johannesburg, 2008): Admission of academia, universities and their associated research establishment in the work of ITU" ([http://www.itu.int/md/S10-RFINREGS-C-0013](http://www.itu.int/md/S10-RFINREGS-C-0013/en%20) )

**Action Item 71-02: TSAG**

TSAG meetings from April 2009 to January 2012 had not discussed this matter yet.

**Jeopardy Item:**

PP-10 Resolution 169 also needs to be taken into account.

**Action Item 71-03: TSB**

Various activities have been implemented since ITU-T’s first discussion on how to increase the dialogue with academia in January 2007. The most successful initiative involving academia is represented by the Kaleidoscope events, peer-reviewed academic conferences that bring together researchers, professors and students from all over the world to identify new topics for standardization. ITU-T has organized four Kaleidoscope events and a fifth Kaleidoscope event will be held in April 2013:

* [*Innovations in NGN*](http://www.itu.int/ITU-T/uni/kaleidoscope/2008/index.html), 12-13 May 2008, Geneva, Switzerland ([http://www.itu.int/ITU-T/uni/kaleidoscope/2008](http://www.itu.int/ITU-T/uni/kaleidoscope/2008/index.html) )
* [*Innovations for Digital Inclusion*](http://www.itu.int/ITU-T/uni/kaleidoscope/2009/index.html),31 August – 1 September 2009, Mar del Plata, Argentina ([http://www.itu.int/ITU-T/uni/kaleidoscope/2009](http://www.itu.int/ITU-T/uni/kaleidoscope/2009/index.html) )
* [*Beyond the Internet? – Innovations for future networks and services,*](http://www.itu.int/ITU-T/uni/kaleidoscope/2010/index.html) 13-15 December 2010, Pune, India ([http://www.itu.int/ITU-T/uni/kaleidoscope/2010](http://www.itu.int/ITU-T/uni/kaleidoscope/2010/index.html) )
* [*The Fully-Networked Human? – Innovations for future networks and services*](http://www.itu.int/ITU-T/uni/kaleidoscope/2011/), 12-14 December 2011, Cape Town, South Africa (<http://www.itu.int/ITU-T/uni/kaleidoscope/2011/> )
* [*Building Sustainable Communities*](http://www.itu.int/ITU-T/uni/kaleidoscope/2013/), 22-24 April 2013, Kyoto, Japan (<http://www.itu.int/ITU-T/uni/kaleidoscope/2013/>)

Kaleidoscope conferences are aimed to increase participation of academia and their associated research establishments in the work of the ITU Standardization Sector, and for increasing visibility of ITU-T within the academic and research community. Kaleidoscope’s interesting papers are allocated to ITU-T Study Groups, Focus Groups, Joint Coordination Activities and Global Standards Initiatives for consideration in new ITU-T work.

TSB has published a webpage on ITU-T and academia cooperation (<http://www.itu.int/ITU-T/uni/>) to promote the ITU-T initiatives targeting the academic community, including the membership category for academia, Kaleidoscope conferences, ITU-T Technology Watch, and a call for internships.

A document identifying activities and mechanisms to encourage cooperation between ITU-T and academia, as well as the proposed membership rights for academia, was submitted to TSAG, Geneva, 10-13 January 2012 (See [TD 0303](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=T09-TSAG-120110-TD-GEN-0303)). This document has been updated and submitted to TSAG, Geneva, 02-04 July 2012. Four objectives have been identified (attract intellectual inputs from academia; raise the profile of ITU-T in the academic world; increase number of and retain academia members; promote standards education in academic curricula) and the status of each relevant initiative indicated. TSAG is invited to discuss the rights of academia and note the initiatives TSB is carrying out.

**Action Item 71-04: TSB**

Resolution 169 of the Plenipotentiary Conference (Guadalajara, 2010) “Admission of academia, universities and their associated research establishments to participate in the work of the three Sectors of the Union”, instructs the WTSA to mandate that TSAG study “*whether there is a need for any additional measures and/or arrangements to facilitate such participation that are not covered by Resolution 1 or relevant recommendations of the* *WTSA*”.. TSAG is to report their results through the Director to Council. (See Action [Item 71-05](#Item71_05) below)

TSB responsibilities as of June 2012 regarding academia participation are:

|  |  |
| --- | --- |
| **Activity** | **Contact person** |
| Overall coordination of ITU-T activities with Academia, including Kaleidoscope conferences | Alessia Magliarditi |
| ITU-T Technology Watch | Martin Adolph |
| Presentations/Lectures by University Faculty for TSB staff/delegates | Saba Imru |
| Internships | Saba Imru |
| ITU-T Membership for academia | Sabrina Camp |

As of June 2012, there are 29 entities participating in ITU-T under the new academia category. The full list of 40 ITU academia members is available [here](http://www.itu.int/cgi-bin/htsh/mm/scripts/mm.list?_search=UNIV&_languageid=1).

**Action Item 71-05: TSB and TSAG**

PP-10 Resolution 169 “*admits academia, universities and their associated research establishments concerned with the development of telecommunications/ information and communication technology (ICT) to participate in the work of the three Sectors…, for a trial period until the next plenipotentiary conference;*”, and “*instructs the Council to submit a report on this participation to the next plenipotentiary conference, on the basis of an evaluation thereof by the advisory groups of the three Sectors, for a final decision to be taken on such participation;*”

TSB is preparing appropriate information documents on the participation of academia in the work of ITU-T for TSAG to evaluate and submit a report to the next plenipotentiary conference, for a final decision to be taken on such participation.

TSAG meetings from April 2009 to January 2012 had not discussed this matter yet.

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# Resolution 72 - Measurement concerns related to human exposure to electromagnetic fields

**Resolution 72**

*resolves*

*to invite ITU-T, in particular Study Group 5, to expand and accelerate its work and support in this domain, including but not limited to:*

*i) disseminating information related to this topic through organizing workshops and seminars for regulators, operators and any interested stakeholders from developing countries;*

*ii) continuing to cooperate and collaborate with other organizations working on this topic and to leverage their work;*

*iii) cooperating on these issues with ITU-R Study Groups 1 and 6, and with Study Group 2 of the ITU Telecommunication Development Sector (ITU D) in the framework of Question 9-2/2;*

*iv) regularly updating the Guide on the use of ITU-T publications on achieving EMC and safety, with particular emphasis on those relating to measurement methodologies, including specifications and requirements of equipment,*

*instructs the Director of the Telecommunication Standardization Bureau, in close collaboration with the Directors of the other two Bureaux, and within the available financial resources*

*to assist developing countries in implementing this resolution using, among other things, the modalities listed in Resolution 44 of this assembly,*

*invites Member States and Sector Members*

*to contribute actively to the work of Study Group 5 in providing relevant and timely information in order to assist developing countries in providing information and addressing measurement concerns related to RF exposure and electromagnetic fields,*

*further invites Member States*

*to adopt suitable measures in order to ensure compliance with relevant international recommendations to protect health against the adverse effect of EMF.*

| Action Item | Action | Milestone | Periodic Goals Met | Completed |
| --- | --- | --- | --- | --- |
| [72-01](#Item72_01) | TSB to reschedule a workshop on human exposure to EMF that had been initially planned for May'09 | TBD |  | ✓ |
| [72-02](#Item72_02) | SG5 to create a regional group on EMF for the African and Arab countries | 16-Oct-09 |  | ✓ |
| [72-03](#Item72_03) | SG5 to consider creation of a regional group on EMF for the Americas | 01-May-10 |  | ✓ |

**Action Item 72-01: TSB and SG5**

SG 5 held a Technical session on Electromagnetic Fields (EMFs) on 27 May 2009. SG 5 will accelerate its work on human exposure to EMF by producing guidance on measurement methods and mitigation techniques in order to reduce the EMF produced by telecommunication equipment and installations.

A two-day ITU-T workshop on “Delivering Good Quality Telecommunication Service in a Safe Environment in Africa” (26-27 July 2010, Nairobi, Kenya) was announced in [TSB Circular 101](http://www.itu.int/md/T09-TSB-CIR-0101/en), published 11 May 2010 ([http://www.itu.int/md/T09-TSB-CIR-0101](http://www.itu.int/md/T09-TSB-CIR-0101/en)). The workshop provided increased awareness to African regulators, operators and users of telecommunications services on the work of ITU in relation to quality of services issues. The first day of the very well-attended workshop provided an opportunity for sharing views and experiences on quality of service provision, regulations, experiences and challenges amongst the participants which will be instrumental in shaping up the future quality of service provision and regulations for the benefit of users and the industry.

The second day of the workshop gave useful information on EMF health effects, on relevant ITU recommendations and other SDO’s and how to assess exposure to EMF due to RF related telecommunication installations.

An [ITU Workshop on "Practical measurement of EMF exposure”](http://www.itu.int/ITU-T/worksem/emc-emf/201107/index.html) was held in Gaborone, Botswana, 25-26 July 2011.

**Action Item 72-02: SG5**

Done

In accordance with Resolution 54 (creation of regional groups), and Resolutions 44, 59 and 72 (WTSA-08), Study Group 5, at its meeting in May 2009 created the SG5 Regional Group for Africa (SG5 RG-AFR). A website has been created at [http://www.itu.int/ITU-T/studygroups/com05/rg5afr](http://www.itu.int/ITU-T/studygroups/com05/rg5afr/index.html) .

In accordance with WTSA-08 Resolution 54 (Rev. Johannesburg, 2008) Creation of regional groups, the Arab States decided to propose the creation of a Regional Group for SG5 (SG5 RG-ARB). A website has been created at [http://www.itu.int/ITU-T/studygroups/com05/rg5arb](http://www.itu.int/ITU-T/studygroups/com05/rg5arb/index.html)

The Chairman of Arab Permanent Group for Standardization, Mr. Nabil Kisrawi confirmed that the Regional Group for the Arab Region will begin its work, under the Chairmanship of Mr. Tariq Al-Amri (Saudi Arabia).

More details of the activities of these SG5 Regional Groups see [Resolution 54](#Resolution_54).

**Action Item 72-03: SG5**

Done

The Regional Group for Latin America and Caribbean (SG5 RG-LAC) was created in the April 2010 Study Group 5 meeting, in Buenos Aires , and since then, has worked to disseminate information about the activities of SG 5, to seek information regarding the region countries needs on the issue human exposure to EMF and to provide technical support in this area, presenting the related ITU Recommendations. The representatives of this group participate in different regional meetings and seminars.

A Regional seminar on EMF and the first [SG5 RG-LAC meeting](http://www.itu.int/ITU-D/tech/indexAMSEvents.html) were held from 16-17 December 2010, in Buenos Aires, Argentina (<http://www.itu.int/ITU-D/tech/indexAMSEvents.html> ) .

More details of the activities of this SG5 Regional Group see [Resolution 54](#Resolution_54).

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# Resolution 73 - Information and communications technologies and climate change

**Resolution 73**

*resolves*

*1 to continue and further develop the ITU-T work programme initially launched in December 2007 on ICTs and climate change, as a high priority, in order to contribute to the wider global efforts to moderate climate change, as part of the United Nations processes;*

*2 to take into account the progress already made in the international symposia on ICTs and climate change, held in Kyoto, Japan, 15-16 April 2008 and in London, United Kingdom, 17-18 June 2008, by distributing their outcomes as widely as possible;*

*3 to create, within ITU-T, a repository and knowledge base on the relationships between ICTs and climate change;*

*4 to promote the adoption of Recommendations for enhancing the use of ICTs to serve as a potent and cross-cutting tool to measure and reduce GHG emissions across economic and social activities;*

*5 to increase awareness and promote information sharing on the role of ICTs in combating climate change, in particular by promoting the use of more energy-efficient devices and networks and more efficient working methods, as well as ICTs that can be used to replace or displace higher energy consuming technologies/uses;*

*6 to work towards the reductions in emissions of GHGs arising from the use of ICTs that are necessary to meet the goals of the United Nations Framework Convention on Climate Change (UNFCCC),*

*instructs the Telecommunication Standardization Advisory Group*

*1 to review the results of the Focus Group on ICTs and Climate Change and take appropriate actions in accordance with Resolution 22 of this assembly, including, for example, the identification of possible structural mechanisms and a lead study group, and to progress the work on this topic by encouraging the involvement of all ITU-T study groups;*

*2 to ensure that study groups carry out a review of both the appropriate existing ITU-T Recommendations and all future Recommendations to assess their implications and the application of best practices in the light of climate change;*

*3 to consider possible changes to working procedures in order to meet the objective of this resolution, including extending the use of electronic working methods to reduce the climate-change impact, such as paperless meetings, virtual conferencing, teleworking, etc.,*

*invites all ITU-T study groups*

*1 to develop appropriate Recommendations on climate change issues within the mandate and competency of ITU-T, including telecommunication networks used for monitoring climate change, for example signalling and quality of service issues, taking into account any economic impact on all countries and in particular on developing countries;*

*2 to identify best practices and opportunities for new applications using ICTs to reduce the impact of climate change and to identify appropriate actions;*

*3 to commence such studies prior to the approval of the necessary Questions, taking into consideration the output of the Focus Group, in accordance with Resolution 1 of this assembly;*

*4 to liaise with the relevant ITU-R and ITU-D study groups and promote liaison with other standards development organizations in order to avoid duplication of work and to optimize the use of resources,*

*instructs the Director of the Telecommunication Standardization Bureau*

*1 to report on progress on the application of this resolution annually to the ITU Council and to the 2012 world telecommunication standardization assembly;*

*2 to establish a calendar of events relevant to ICTs and climate change based on proposals by TSAG and in close collaboration with the other two Sectors;*

*3 to organize, in close collaboration with the Directors of the Telecommunication Development (BDT) and Radiocommunication (BR) Bureaux, workshops and seminars for developing countries, to raise awareness and identify their needs in this domain, as they are the most vulnerable countries affected by climate change;*

*4 to report to TSAG on the progress regarding invites the Secretary-General below,*

*invites the Secretary-General*

*1 to bring the content of this resolution to the attention of the Council and invite it to study the issue of climate neutrality for all ITU activities and take appropriate actions, taking into consideration the United Nations commitment to lead by example, to achieve climate-neutral status within three years;*

*2 to continue to cooperate and collaborate with other entities within the United Nations in formulating future international efforts for the effective addressing of climate change,*

*invites Member States, Sector Members and Associates*

*1 to continue to contribute actively to the ITU-T work programme on ICTs and climate change;*

*2 to continue or initiate public and private programmes that include ICTs and climate change, giving due consideration to relevant ITU-T Recommendations and relevant work;*

*3 to support and contribute to the wider United Nations process on climate change, such as the United Nations Climate Change conferences in Poznan, Poland (1-12 December 2008) and Copenhagen, Denmark (30 November-11 December 2009).*

| Action Item | Action | Milestone | Periodic Goals Met | Completed |
| --- | --- | --- | --- | --- |
| [73-01](#Item73_01) | TSB to create a repository and knowledge base on relationships between ICTs and climate change. | 01-Mar-09 and ongoing |  | ✓ |
| [73-02](#Item73_02) | TSAG to take appropriate action on results of the Focus Group on ICTs and Climate Change | 30-Apr-09 and ongoing |  | ✓ |
| [73-03](#Item73_01) | TSAG to ensure study groups carry out review of existing and future Recommendations to assess implications and application of best practices in light of climate change | 31-Dec-09 | ✓ |  |
| [73-04](#Item73_04) | TSAG to consider revision of working methods to reduce climate change impact | ongoing |  |  |
| [73-05](#Item73_05) | Study Groups to include Resolution 73 in their studies and in consideration of new Questions | ongoing | ✓ |  |
| [73-06](#Item73_06) | Director to establish a calendar of events relevant to ICTs and climate change | ongoing | ✓ |  |
| [73-07](#Item73_07) | Director to organize workshops and seminars for developing countries to raise awareness and identify needs. (Also see Resolution 53) | ongoing | ✓ |  |
| [73-08](#Item73_08) | Director to invite the Secretary General to bring Resolution 73 to attention of Council and invite study of climate neutrality for ITU activities | 12-Nov-08 |  | ✓ |
| [73-09](#Item73_09) | Director to report to TSAG on progress on climate neutrality for ITU activities | 17-Apr-09 and ongoing | ✓ |  |
| [73-10](#Item73_10) | Director to report annually to Council and to WTSA-12 on application of Resolution 73 | 01-Aug-09 and ongoing | ✓ |  |
| [73-11](#Item73_11) | Director to report to TSAG on continued cooperation and collaboration with other United Nations entities | Ongoing | ✓ |  |

**Action Item 73-01: TSB**

Done

A Global Portal on ICTs, the Environment and Climate Change has been created ( <http://www.itu.int/ITU-T/worksem/climatechange/references.html>)

A Background Report was revised, updated and published in July 2009. Symposia have been held in : [Kyoto, Japan, 15-16 April 2008](http://www.itu.int/ITU-T/worksem/climatechange/2008/index.html'); [London, UK, 17-18 June 2008](http://www.itu.int/ITU-T/worksem/climatechange/2008/index.html); [Quito, Ecuador, 8-10 July 2009](http://www.itu.int/ITU-T/worksem/climatechange/200907/index.html); [Virtual International Symposium on ICTs and Climate Change, Seoul, Korea, 23 Sept 2009](http://www.itu.int/ITU-T/worksem/climatechange/200909/index.html); [Cairo, Egypt, 2-3 November 2010](http://www.itu.int/ITU-T/worksem/climatechange/201011/index.html).; [Accra, Ghana, 7-8 July 2011](http://www.itu.int/ITU-T/worksem/climatechange/201107/index.html); Montreal, 29-31 May 2012.

TSB initiated a survey on ICT and Climate Change together with UNU and CEDARE in CL-53in [CL 202](http://www.itu.int/md/T09-TSB-CIR-0202/en)in <http://www.itu.int/dms_pub/itu-t/oth/4B/04/T4B0400000A0001PDFE.pdf> ([http://www.itu.int/md/T09-TSB-CIR-0202](http://www.itu.int/md/T09-TSB-CIR-0202/en) ) on 17 November 2011.

See the repository of information on ITU and Climate Change website at <http://www.itu.int/ITU-T/climatechange/>

**Action Item 73-02: TSAG**

Done

The Focus Group on ICT and Climate Change finished its work, and the FG-ICT Report is posted as [TSAG TD 31](http://www.itu.int/md/T09-TSAG-090428-TD-GEN-0031/en) (April 2009). Study Group 5 was given a new mandate by TSAG (April 2009) and the JCA- ICT&CC was launched. The new mandate of SG5 and the new JCA-ICT&CC were announced in [TSB Circular 38](http://www.itu.int/md/T09-TSB-CIR-0038/en) (4 May 2009), “Extension of the responsibility of ITU-T Study Group 5 on Environment and Climate Change and establishment of a new Joint Coordination Activity on ICTs and Climate Change”, and organizations that had been participating in the Focus Group were invited to nominate representatives to participate in this work.

A JCA on ICT and Climate Change (JCA-ICT&CC) website has been created at: [http://www.itu.int/ITU-T/jca/ictcc](http://www.itu.int/ITU-T/jca/ictcc/index.html)

JCA-ICT&CC has held meetings as follows:

* + [Geneva, 14 October 2009](http://www.itu.int/en/ITU-T/jca/ictcc/Pages/documents.aspx#1st) ([http://www.itu.int/ITU-T/jca/ictcc/Pages/documents.aspx#1st](http://www.itu.int/en/ITU-T/jca/ictcc/Pages/documents.aspx#1st) )
  + [Geneva, 21 January 2010](http://www.itu.int/en/ITU-T/jca/ictcc/Pages/documents.aspx#2nd) ([http://www.itu.int/ITU-T/jca/ictcc/Pages/documents.aspx#2nd](http://www.itu.int/en/ITU-T/jca/ictcc/Pages/documents.aspx#2nd) )
  + [Rome, 29 September 2010](http://www.itu.int/en/ITU-T/jca/ictcc/Pages/documents.aspx#3rd) ([http://www.itu.int/ITU-T/jca/ictcc/Pages/documents.aspx#3rd](http://www.itu.int/en/ITU-T/jca/ictcc/Pages/documents.aspx#3rd) )
  + [**Geneva, 25 November 2010**](http://www.itu.int/en/ITU-T/jca/ictcc/Pages/documents.aspx#4th) ([http://www.itu.int/ITU-T/jca/ictcc/Pages/documents.aspx#4th](http://www.itu.int/en/ITU-T/jca/ictcc/Pages/documents.aspx#4th) )
  + [E-meeting, 25 March 2011](http://www.itu.int/en/ITU-T/jca/ictcc/Pages/documents.aspx#5th) ([http://www.itu.int/ITU-T/jca/ictcc/Pages/documents.aspx#5th](http://www.itu.int/en/ITU-T/jca/ictcc/Pages/documents.aspx#5th) )
  + [Geneva, 6 May 2011](http://www.itu.int/en/ITU-T/jca/ictcc/Pages/documents.aspx#6th) ([http://www.itu.int/ITU-T/jca/ictcc/Pages/documents.aspx#6th](http://www.itu.int/en/ITU-T/jca/ictcc/Pages/documents.aspx#6th) )
  + [Geneva, 30 June 2011](http://www.itu.int/en/ITU-T/jca/ictcc/Pages/documents.aspx#7th) ([http://www.itu.int/ITU-T/jca/ictcc/Pages/documents.aspx#7th](http://www.itu.int/en/ITU-T/jca/ictcc/Pages/documents.aspx#7th) )
  + Seoul, 28 September 2011, in conjunction with [SG5 meeting](http://www.itu.int/md/T09-SG05-COL-0008/en) ([http://www.itu.int/md/T09-SG05-COL-0008](http://www.itu.int/md/T09-SG05-COL-0008/en))
  + Geneva, 23 November 2011 ([http://www.itu.int/ITU-T/jca/ictcc/Pages/documents.aspx#9th](http://www.itu.int/en/ITU-T/jca/ictcc/Pages/documents.aspx#9th) )
  + Geneva, 12 April 2012 in conjunction with [SG5 meeting](http://www.itu.int/md/T09-SG05-COL-0008/en) ([http://www.itu.int/ITU-T/jca/ictcc/Pages/documents.aspx#10th](http://www.itu.int/en/ITU-T/jca/ictcc/Pages/documents.aspx#10th) )

**Action Item 73-03: TSAG**

Done.

A Questionnaire was sent from the FG-ICT & Climate Change, created by TSAG, to all of the study groups. Reports of the FG and SG5 work have been made to TSAG. Consequently, the ITU-T Study Groups have been made well-aware of this matter.

**Action Item 73-04: TSAG**

Changes to working methods that are being considered by TSAG include improved use of, e.g., electronic working methods (EWM), virtual meetings, and paperless meetings. TSAG maintains an EWM Living List for continuous improvement, and it has created a Working Methods, including EWM, correspondence group.

Additional guidance and direction has been provided in Plenipotentiary Conference Resolution 182, “The role of telecommunication/information and communication technologies on climate change and the protection of the environment”, for revision to working methods, and to provide guidance, best practices, life cycle studies and cooperative working with external entities.

PP-10 Resolution 167, “Strengthening ITU capabilities for electronic meetings and means to advance the work of the Union”, notes the positive contribution electronic working methods and meetings can have climate change.

TSB and ITU have engaged in discussions with outside entities for the establishment of Tele-presence units in ITU and regional offices

The Director’s report to TSAG (8-11 February 2011) on the implementation of Resolution 73 ([TSAG TD/206](http://www.itu.int/md/T09-TSAG-110208-TD-GEN-0206/en)) noted that the work methods of the ITU-T study groups are striving to be more energy efficient through increased use of paperless meetings, remote participation and virtual meetings via the use of video- and teleconferencing ([http://www.itu.int/md/T09-TSAG-110208-TD-GEN-0206](http://www.itu.int/md/T09-TSAG-110208-TD-GEN-0206/en)).

The Director reported to a Bridging the Standardization Gap workshop (Fiji, 4-6 July 2011) that almost all ITU-T study groups were by then using online meetings as part of their regular working methods; ITU was providing an audio conferencing service as an option for participants to use during online meetings and all plenary meetings of Study Groups were being webcast.

More on strengthening electronic working methods for the work of ITU-T see [Resolution 32](#_Resolution_32_-).

**Action Item 73-05: SGs**

Climate change and energy savings considerations has been added to some Questions (e.g., 15/13; 16/13; 17/13; 5/2; 8/2; 13/2; 14/5, 17/5, 18/5, 19/5, 20/5, 21/5; 28/16). SG 5 created a new Working Party, WP3/5, ICT and Climate Change.

In 2010, new and revised Questions with climate change and energy saving considerations included all four (new) Questions: 22/5, 23/5, 22/13 and 5/16.

The 27 April – 5 May 2011 meeting of SG5 agreed to send a draft merger of Questions Q17/5 and Q20/5 into a revised Q17/5 to TSAG for endorsement. The merger was agreed in order to eliminate overlaps in the original two Questions.

In order to complete the work program on ICTs and climate change issues, two new study questions were approved by Study Group 5 (after consultation of the Director of TSB and the Chairman of TSAG) in accordance with 7.1.8 of Resolution 1:

* [Question 22/5](http://www.itu.int/ITU-T/studygroups/com05/sg5-q22.html): Setting up a low cost sustainable telecommunication infrastructure for rural communications in developing countries (<http://www.itu.int/ITU-T/studygroups/com05/sg5-q22.html> )
* [Question 23/5](http://www.itu.int/ITU-T/studygroups/com05/sg5-q23.html): Using ICTs to enable countries to adapt to climate change (<http://www.itu.int/ITU-T/studygroups/com05/sg5-q23.html> )

**Action Item 73-06: TSB**

Done.

An initial calendar was prepared 1 March 2009 and posted on the ITU-T website. JCA-ICT&CC meetings were held on 14 October 2009 and on 21 January 2010 during the meeting of WP3/5 (see announcement in [Collective Letter 3/5](http://www.itu.int/md/T09-SG05-COL-0003/en) (21 October 2009).

JCA-ICT&CC has held meetings as follows:

* + [Geneva, 14 October 2009](http://www.itu.int/en/ITU-T/jca/ictcc/Pages/documents.aspx#1st)
  + [Geneva, 21 January 2010](http://www.itu.int/en/ITU-T/jca/ictcc/Pages/documents.aspx#2nd)
  + [Rome, 29 September 2010](http://www.itu.int/en/ITU-T/jca/ictcc/Pages/documents.aspx#3rd)
  + [**Geneva, 25 November 2010**](http://www.itu.int/en/ITU-T/jca/ictcc/Pages/documents.aspx#4th)
  + [25 March 2011](http://www.itu.int/en/ITU-T/jca/ictcc/Pages/documents.aspx#5th) (e-meeting)
  + [Geneva, 6 May 2011](http://www.itu.int/en/ITU-T/jca/ictcc/Pages/documents.aspx#6th)
  + [Geneva, 30 June 2011](http://www.itu.int/en/ITU-T/jca/ictcc/Pages/documents.aspx#7th)
  + [Seoul, 28 September 2011](http://www.itu.int/en/ITU-T/jca/ictcc/Pages/documents.aspx#8th)
  + Geneva, 23 November 2011
  + Geneva, 12 April 2012

Technical sessions held in conjunction with SG5 are:

* Information and Training Session on ITU Methodologies for Assessing the Environmental Impact of ICT, 12 April 2012
* [Technical Session on "How ICTs can alleviate climate change"](http://www.itu.int/ITU-T/worksem/techsessions/com05/101125/index.html)  
  Geneva, Switzerland, 25 November 2010
* [Technical session on ICTs and climate change](http://www.itu.int/ITU-T/worksem/techsessions/com05/091014/index.html)  
  Geneva, 14 October 2009

**Action Item 73-07: TSB**

Done.

Regional forums have been held (see [Resolution 54](#Resolution_54)). Symposium on ICT & Climate Change waswas held in Quito, Ecuador in July 2009. Virtual International Symposium on ICT & Climate Change held 23 September 2009, Seoul, Korea. The virtual nature of the latter symposium allowed participation by 25 developing countries. At the Internet Governance Forum, ITU-T organized an ICT & Climate Change workshop.

The Dynamic Coalition on Internet and Climate Change (DCICC) was launched at the second IGF in Rio in 2007 in the framework of the Internet Governance Forum (IGF), TSB on behalf of ITU is leading the DCICC. DCICC held its first meeting on 4 December 2008 in Hyderabad, India and its second physical meeting on 16 November 2009 at the fourth IGF in Sharm-el Sheikh, Egypt. The third meeting of DCICC was held on 16 September 2010 at IGF-5 in Vilnius, Lithuania. The fourth meeting was held in Nairobi, at IGF-6 in September 2011.The meetings were facilitated by TSB.

The [Fourth Symposium on ICTs, the Environment and Climate Change](http://www.itu.int/ITU-T/worksem/climatechange/201011/) was held in Cairo, Egypt on 2-3 November 2010, hosted bythe Ministry of Communications and Information Technology (MCIT) Egypt, and the Ministry of state for Environmental Affairs (MSEA) Egypt. The Symposium in Cairo focused on the issue of ICTs, the environment and climate change in Africa and the needs of developing countries. Topics discussed included adaptation to climate change, e-waste, cost-effective ICT technologies, methodology of environmental impact assessment of ICT and financing of climate change solutions. The symposium endorsed the “[Cairo Roadmap](http://www.itu.int/dms_pub/itu-t/oth/06/0F/T060F0060160001PDFE.pdf) on ICTs and Environmental Sustainability”, a set of recommendations for action in relation to ICTs, the Environment and Climate Change. It brought together more than 500 participants including leading specialists in the field, from top policy-makers to engineers, designers, planners, government officials, regulators, standards experts and others. The main purpose was to raise awareness of the importance and opportunities of using ICTs to monitor climate change, to mitigate and address its effects. Information about the symposium, including the final programme and the presentations can be found at: <http://www.itu.int/ITU-T/worksem/climatechange/201011/>

TSB staff led the organization of the ITU-GeSI Meeting on ["Green Information and Communication Technologies (ICTs) for a Sustainable Future"](http://www.itu.int/ITU-T/worksem/climatechange/201009/) held on 24 September 2010, New York, USA. The topics discussed include green ICTs to tackle climate change, clean technologies, and smart applications, reducing the environmental impact of ICTs and building a green future.

In keeping with the theme of the Shanghai World Expo 2010, "Better City, Better Life", the ITU Telecommunication Standardization Bureau (TSB) organized a workshop with the title “[ICTs:  Building the Green City of the Future](http://www.itu.int/ITU-T/worksem/ict-green/)”.  The Workshop took place in the UN Pavilion at the Shanghai World Expo on 14 May 2010.It was particularly aimed at capturing academic and student visions of the role of ICTs in providing for urban sustainability.  In advance of the workshop, a Call for abstracts was sent, seeking original academic presentations offering innovative approaches addressing this challenge.  More than 40 papers were submitted and the best of them were selected for presentation at the workshop.  A number of invited speakers were also invited to participate in the workshop.

The Sixth Symposium on  *ICTs, the Environment and Climate Change* co-organized with the Ministry of Communications of Ghana was held in Accra, Ghana from 7 to 8 July 2011 and concluded with  a [Call to Action](http://www.itu.int/ITU-T/worksem/climatechange/201107/index.html) addressing climate change and COP-17, and for the first time sustainability and Rio+20. ([http://www.itu.int/ITU-T/worksem/climatechange/201107](http://www.itu.int/ITU-T/worksem/climatechange/201107/index.html))

ITU Green Standards Week held its first meeting in Rome, Italy on 5-9 September 2011, hosted by Telecom Italia. ([http://www.itu.int/ITU-T/climatechange/gsw/201102](http://www.itu.int/ITU-T/climatechange/gsw/201102/index.html)) The Green Standards Week brought together leading specialists in the field, from top policy-makers to engineers, designers, planners, government officials, regulators, standards experts and others.

A Symposium on Progressing the Climate Agenda through Green ICT Standards, to be held in Seoul, Korea on 19 September 2011 was announced in [TSB Circular 204](http://www.itu.int/md/T09-TSB-CIR-0204/en) ([http://www.itu.int/md/T09-TSB-CIR-0204](http://www.itu.int/md/T09-TSB-CIR-0204/en)). The Symposium is being held in conjunction with a meeting of Study Group 5.

A workshop on Green ICTs and Innovation took place on 30 September in Nairobi, Kenya in conjunction with the IGF-6.

A side event on Powering Sustainable Energy through Green ICT Standards took place on 26 March 2012 in Tunis, Tunisia in conjunction with Melecon 2012.

A Joint ITU-UNEP Basel Convention Session on E-waste: Challenges, Solutions and Benefits took place in

Geneva, Switzerland, on16 May 2012 in conjunction with WSIS Forum 2012.

The Seventh ITU Symposium was co-organized with the government of Canada and hosted by Prompt was held on 29-31 May 2012. It concluded with the Montreal Declaration which calls for global leaders, public sector officials, ICT and environmental experts and representatives from international organizations, that will gather at the 2012 United Nations Conference on Sustainable Development (Rio+20), the 2012 United Nations Climate Change Conference (COP18-CMP8), and the 2012 ITU World Telecommunication Standardization Assembly (WTSA-12), to identify and agree on key priorities and provide clear guidance on how to move the global green agenda forward through the use of Information and Communication Technologies (ICTs).

The second [ITU Green Standards Week](http://www.itu.int/ITU-T/climatechange/gsw/201209/index.html), will take place on 17-21 September 2012, in Paris, France. It will be co-organized with TechAmerica Europe and will be hosted by Microsoft. The main purpose will be to raise awareness of the importance and opportunities of using ICT standards to build a green economy.

**Related Events**

In summary of the [ITU Symposia on ICT and Climate Change](http://www.itu.int/ITU-T/worksem/climatechange/), the following are the venues and dates:

* Montreal, Canada, 29-31 May 2012
* [Accra, Ghana, 7 – 8 July 2011](http://www.itu.int/ITU-T/worksem/climatechange/201107/index.html)
* [Cairo, Egypt](http://www.itu.int/ITU-T/worksem/climatechange/201011/index.html), 2 - 3 November 2010
* [Seoul Virtual Symposium](http://www.itu.int/ITU-T/worksem/climatechange/200909/index.html), 23 September 2009
* [Quito, Ecuador](http://www.itu.int/ITU-T/worksem/climatechange/200907/index.html), 8-10 July 2009
* [London, UK](http://www.itu.int/ITU-T/worksem/climatechange/2008/index.html), June 2008
* [Kyoto, Japan](http://www.itu.int/ITU-T/worksem/climatechange/2008/index.html), April 2008

**Action Item 73-08: TSB and GS**

Done.

30-Oct-09: Done at Council 2008. ITU Council 2009 adopted Resolution 1307 on ICT and Climate Change. Resolution 1307 appears in Document [C09/109](http://www.itu.int/md/S09-CL-C-0109/en) ([http://www.itu.int/md/S09-CL-C-0109](http://www.itu.int/md/S09-CL-C-0109/en))

**Action Item 73-09: TSB**

Done.

28-Apr-09: The Director reported to TSAG (April 2009) on goals for ITU to achieve carbon-neutral status within 3 years.

The Director reported on CIT&CC matters again at the February 2010 TSAG meeting in [TSAG TD118](http://www.itu.int/md/T09-TSAG-100208-TD-GEN-0118/en), Section 11.1 ([http://www.itu.int/md/T09-TSAG-100208-TD-GEN-0118](http://www.itu.int/md/T09-TSAG-100208-TD-GEN-0118/en) ) and at the February 2011 TSAG meeting in TSAG TD206. The issue was also treated in reports to Council 2009, Council 2010 and Council 2011.

The Chairman of JCA-ICT&CC reported to the 8-11 February 2011 TSAG meeting in [TSAG TD195](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=T09-TSAG-110208-TD-GEN-0195) ([http://www.itu.int/md/T09-TSAG-110208-TD-GEN-0195](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=T09-TSAG-110208-TD-GEN-0195) )

In mid-2011, the Director reported to a Bridging the Standardization Gap workshop (Fji, 4-6 July 2011) that almost all ITU-T study groups are using online meetings as part of their regular working methods; ITU is providing an audio conferencing service as an option for participants to use during online meetings and all plenary meetings of Study Groups are webcast.

ITU is in discussion with the European Commission and UNFCCC (United Nations Framework Convention on Climate Change) to have ITU’s ICT & Climate Change Methodology adopted ([TSAG, R-3](http://www.itu.int/md/T09-TSAG-R-0003/en), clause 8)

**Action Item 73-10: TSB**

28-Aug-09: The Director’s report on ICT and Climate Change is contained in Council 2009 document [C09/48](http://www.itu.int/md/S09-CL-C-0048/en).

A further report on “ITU and Climate Change” was submitted to Council 2010 in Doc C10/06 ([http://www.itu.int/md/S10-CL-C-0006](http://www.itu.int/md/S10-CL-C-0006/en) ), including information on all ITU-T climate change activities as well as other ITU activities.

The Director’s report on ICT and Climate Change is contained in Council 2011 Document [C11/22](http://www.itu.int/md/S11-CL-C-0022/en), “ITU’s activities in ICTs and Climate Change” ([http://www.itu.int/md/S11-CL-C-0022](http://www.itu.int/md/S11-CL-C-0022/en) )

**Action Item 73-11: TSB**

ITU is in discussion with the European Commission and UNFCCC (United Nations Framework Convention on Climate Change) to have ITU’s ICT & Climate Change Methodologies adopted ([TSAG, R-3](http://www.itu.int/md/T09-TSAG-R-0003/en), clause 8)

Council [Document C10/06](http://www.itu.int/md/S10-CL-C-0006/en), “ITU and Climate Change”, Section 3 reports on ITU and the United Nations – Delivering as One on Climate Change ([http://www.itu.int/md/S10-CL-C-0006](http://www.itu.int/md/S10-CL-C-0006/en) ).

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# Resolution 74 - Admission of Sector Members from developing countries in the work of ITU-T

**Resolution 74**

*resolves*

*to encourage the adoption of the necessary measures to enable new members from developing countries to join ITU-T and to be entitled to take part in the work of the ITU-T study groups and other groups within ITU-T, taking into consideration levels of financial contributions equal to those applied for developing countries for admission to the study groups in the ITU Telecommunication Development Sector (ITU-D),*

*instructs the Director of the Telecommunication Standardization Bureau*

*to propose to the ITU Council that it consider the admission of such a category in the work of ITU-T, based on an appropriate level of financial contribution equal to that applied to developing countries for admission to take part in the work of the study groups in ITU-D, and that it include its consideration of this matter in the work of the Council for preparation of the 2010 plenipotentiary conference.*

*\* Such Sector Members from developing countries shall not be affiliated in any way to any Sector Member of a developed country, and shall be limited to those Sector Members of developing countries (including the least developed countries, small island developing states and countries with economies in transition) having an income per capita according to the United Nations Development Programme not exceeding a threshold to be determined.*

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Action Item | Action | Milestone | Periodic Goals Met | Completed |
| [74-01](#Item74_01) | Director to submit proposal to Council-09 as in "*instructs the Director*" | 01-Aug-09 |  | ✓ |

**Action Item 74-01: TSB**

Done

26-Aug-09: A proposal was submitted to Council 2009 in documents [C09/31](http://www.itu.int/md/S09-CL-C-0031/en) (26 August 2009) and [C09/31Rev1](http://www.itu.int/md/S09-CL-C-0048/en) (1 October 2009)

The TSB Director submitted a document to Council WG-FINREGS, [WG-RG-17/14](http://www.itu.int/md/S10-RFINREGS-C-0014/en), "On financial issues regarding WTSA Resolution 74 (Johannesburg, 2008): Admission of Sector Members from Developing Countries in the work of ITU" ([http://www.itu.int/md/S10-RFINREGS-C-0014](http://www.itu.int/md/S10-RFINREGS-C-0014/en) ). Proposals from FINREGS will be subsequently submitted to Council-10 and PP-10.

Plenipotentiary Conference Resolution 170, “Admission of Sector Members from developing countries to participate in the work of the ITU Telecommunication Standardization Sector and ITU Radiocommunication Sector”, implemented the intent of the Action Item. No changes were needed to the CS/CV regarding Sector Membership.

Additionally, PP-10 approved Resolution 169, “Admission of academia, universities and their associated research establishments to participate in the work of the three Sectors of the Union” (See [WTSA Resolution 71](#Resolution_71) above).

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# Resolution 75 - ITU-T’s contribution in implementing the outcomes of the World Summit on the Information Society, and the establishment of a Dedicated Group on Internet-related Public Policy Issues as an integral part of the Council Working Group on the WSIS

**Resolution 75**

*resolves*

*1 to continue ITU-T's work on WSIS implementation and follow-up activities within its mandate;*

*2 that ITU-T should carry out those activities that come within its mandate and participate with other stakeholders, as appropriate, in the implementation of all relevant action lines and other WSIS outcomes,*

*resolves to request the Council*

*to establish, as an integral part of WG-WSIS, a Dedicated Group on international Internet-related public policy issues, open only to all Member States, tasked to identify, study and develop matters related to international Internet-related public policy issues, to disseminate its outputs throughout ITU's membership, and to contribute to the work of WG-WSIS on international Internet-related public policy issues within the mandate of ITU pursuant to the relevant resolutions of the Plenipotentiary Conference (Antalya, 2006) and Council Resolution 1282,*

*requests the Secretary-General*

*to provide to this Dedicated Group on international Internet-related public policy issues all administrative and other necessary support for its effective functioning within the budgetary allocation of ITU,*

*instructs the Director of the Telecommunication Standardization Bureau*

*1 to prepare an annual report to the Council on WSIS implementation and follow-up activities, taking into account input from relevant study groups, that provides a comprehensive summary of the activities undertaken by the Telecommunication Standardization Bureau (TSB) and the activities of ITU-T with respect to information and communication infrastructure and building confidence and security in the use of ICTs and with respect to activities relevant to WSIS outcomes and resolutions of the Plenipotentiary Conference (Antalya, 2006);*

*2 to appoint focal points within TSB for relevant WSIS action lines within the mandate of ITU-T, working closely with other focal points in other Sectors of ITU and contributing to and facilitating the work of the ITU WSIS Task Force created by the ITU Secretary-General;*

*3 to take appropriate action to facilitate the activities in implementing this resolution,*

*invites Member States and Sector Members*

*1 to submit contributions to relevant ITU-T study groups and contribute to WG-WSIS on implementing WSIS outcomes within the ITU mandate;*

*2 to support and collaborate with the Director of TSB in implementing relevant WSIS outcomes in ITU-T,*

*invites Member States*

*to submit contributions to the Dedicated Group on international Internet-related public policy issues.*

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Action Item | Action | Milestone | Periodic Goals Met | Completed |
| [75-01](#Item75_01) | Director to appoint focal points for relevant WSIS action lines | 01-Mar-09 |  | ✓ |
| [75-02](#Item75_02) | Director to prepare annual report to Council on WSIS implementation and follow-up activities of TSB and ITU-T with respect to Information and communication infrastructure and building confidence and security in the use of ICTs and with respect to activities relevant to WSIS outcomes and resolutions of the PP-06 and PP-10 | 1-Aug-09 and ongoing | ✓ |  |
| [75-03](#Item75_03) | Director, according to Resolution 75, to request Council to establish, as an integral part of WG-WSIS, a Dedicated Group on international Internet-related public policy issues. | 12-Nov-08 |  | ✓ |
| [75-04](#Item75_04) | Director to prepare report to 22-24 June 2009 meeting of the Council WG-WSIS | 01-Jun-09 and ongoing |  | ✓ |

**Action Item 75-01: TSB**

Done.

**Action Item 75-02: TSB**

Done.

Reports from TSB on Internet-related issues were submitted to the General Secretariat for incorporation into the ITU report to Council on Internet-related issues. Reports on “ITU Internet Activities: Resolutions 101, 102 and 133” were made to Council-2009 in [C09/49](http://www.itu.int/md/S09-CL-C-0049/en), Council 2010 in [C10/13](file:///C:\Users\yang\Documents%20and%20Settings\yang\My%20Documents\WTSA\C10\13), Council 2011 in [C11/31](http://www.itu.int/md/S11-CL-C-0031/en), and Council 2012 in [C12/28](http://www.itu.int/md/S12-CL-C-0028/en).

**Action Item 75-03: TSB**

Done

21-Nov-09: The proposal for Council to establish, as an integral part of the WG-WSIS, a Dedicated Group on international Internet-related public policy issues was done at Council 2008. See Council Resolution 1282 (modified, 2008) in document [C08/88](http://www.itu.int/md/S08-CL-C-0088/en), Resolves 2 ([http://www.itu.int/md/S08-CL-C-0088](http://www.itu.int/md/S08-CL-C-0088/en))

The Dedicated Group on international Internet-related public policy issues, which had served as an integral part of the Council Working Group-WSIS, was revised by PP-10 Resolution 102 to become a Council Working Group limited to Member States, with open consultation to all stakeholders. This Council Working Group was established as a separate group by Council 2011 [Resolution 1336](http://www.itu.int/md/S11-CL-C-0099/en).

**Action Item 75-04: TSB**

Done

15-May-09: A report was provided to the Council WG-WSIS in document [WG-WSIS-15/5](http://www.itu.int/council/groups/wsis/pd/May-2009/WG-WSIS-15-05.doc): Follow-up and implementation of the World Summit on the Information Society (WSIS) within ITU-T (<http://www.itu.int/council/groups/wsis/pd/May-2009/WG-WSIS-15-05.doc> )

Feb 2010: TSB contributed to the ‘Joint Report on ITU's Activities Related to WSIS Implementation and Follow-up for Year 2009’ to Council WG-WSIS (Feb 2010) in document [WG-WSIS 16/9](http://www.itu.int/md/S10-WSIS-C-0007/en) ([http://www.itu.int/md/S10-WSIS-C-0007](http://www.itu.int/md/S10-WSIS-C-0007/en) ).

Oct 2010: TSB contributed to the ‘Report on WSIS Plus Five: ITU's five-year contribution to the WSIS implementation and follow-up (2005-2010)’ was prepared jointly by ITU General Secretariat and bureaus through Council WG-WSIS meeting in June 2010 and finally submitted to PP-10 in document [INF 2](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=S10-PP-INF-0002) ([http://www.itu.int/md/S10-PP-INF-0002](http://www.itu.int/md/S10-PP-INF-0002/en)).

May 2011: TSB contributed to the ‘Joint Report on ITU's Activities related to WSIS Implementation and Follow-up since PP-10’ was submitted to Council WG-WSIS meeting in May 2011 in document [WG-WSIS 18/7](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=S11-WSIS18-C-0007) ([http://www.itu.int/md/S11-WSIS18-C-0007](http://www.itu.int/md/S11-WSIS18-C-0007/en))

Oct 2011: TSB contributed to the ‘Joint Report on ITU's Activities related to WSIS Implementation and Follow-up since PP-10’ was submitted to Council WG-WSIS meeting in Oct 2011 in document WG-WSIS 19/5 ([http://www.itu.int/md/S11-WSIS19-C-0005](http://www.itu.int/md/S11-WSIS19-C-0005/en)).

April 2012: TSB contributed to the ‘ITU Contribution to the Implementation of the WSIS Outcomes - 2012’ was submitted to Council WG-WSIS meeting in June 2012 in document [WG-WSIS 20/8](file:///C:\Users\yang\Documents\WTSA\WTSA%20Action%20Plan\WG-WSIS%2020\8) ([http://www.itu.int/md/ S12-WSIS20-C-0008](http://www.itu.int/md/S11-WSIS18-C-0007/en)), and the updated Roadmaps for Action line C2 (Information and communication infrastructure) and C6 (Enabling Environment) respectively.

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# Resolution 76 - Studies related to conformance and interoperability testing, assistance to developing countries, and a possible future ITU mark programme

**Resolution 76**

*resolves*

*1 that ITU-T study groups develop the necessary conformance testing Recommendations for telecommunication equipment as soon as possible;*

*2 that ITU-T Recommendations to address interoperability testing shall be progressed as quickly as possible;*

*3 that ITU-T, in collaboration with the other Sectors as appropriate, shall develop a programme to:*

*i) assist developing countries in identifying human and institutional capacity-building and training opportunities in conformity and interoperability testing;*

*ii) assist developing countries in establishing regional or subregional conformity and interoperability centres suitable to perform conformity and interoperability testing as appropriate;*

*4 that conformance and interoperability testing requirements shall provide for verification of the parameters defined in the current and future ITU-T Recommendations for telecommunication/ICT equipment and services, and for interoperability testing to ensure full compatibility,*

*instructs the Director of the Telecommunication Standardization Bureau*

*1 in cooperation with the Radiocommunication Bureau and the Telecommunication Development Bureau, to conduct exploratory activities in each region in order to identify and prioritize the problems faced by developing countries related to achieving interoperability of ICT equipment and services;*

*2 based on results of instructs the Director of the Telecommunication Standardization Bureau 1 above, to study the following items:*

*i) the overall effect on ITU and manufacturers*

*ii) legal and national and international regulatory implications*

*iii) cost of set-up of facility*

*iv) location of testing facility*

*v) measures to be taken to build the necessary human-resource capacities;*

*3 to carry out the necessary studies with a view to introducing the use of ITU Mark for a possible future ITU Mark programme as a voluntary programme permitting manufacturers and service providers to make a visible declaration that their equipment conforms to ITU-T Recommendations, and to increasing the probability of interoperability, and to consider its possible application as an indication of a degree of interoperability capability in the future;*

*4 to study the financial and legal implications for ITU-T and for ICT industries, and all other concerns raised with regard to this proposal on the possible introduction of the ITU Mark for a possible future ITU Mark programme;*

*5 to involve experts and external entities as appropriate;*

*6 to submit the results of these studies to the 2009 session of the ITU Council for its consideration and required actions,*

*instructs the study groups*

*1 to identify as soon as possible existing and future ITU-T Recommendations that would be candidates for interoperability, taking into account the needs of the membership (e.g. interoperability of next-generation network (NGN) equipment, terminals, audio/video codecs, access and transport network), that are capable of providing end-to-end interoperable services on a global scale, adding to their content, if necessary, specific requirements within their scope;*

*2 to prepare those ITU-T Recommendations, identified in instructs the study groups 1 above, with a view to conducting conformity and interoperability tests as appropriate,*

*invites the Council*

*1 to consider the Director's report referred to in instructs the Director of the Telecommunication Standardization Bureau 6 above;*

*2 to report as appropriate on this matter to the 2010 plenipotentiary conference, taking into account Resolution 158 (Antalya, 2006) of the Plenipotentiary Conference on financial issues for consideration by the Council,*

*invites Member States and Sector Members*

*1 to contribute to the implementation of this resolution;*

*2 to encourage national and regional testing entities to assist ITU-T in implementing this resolution*

| Action Item | Action | Milestone | Periodic Goals Met | Completed |
| --- | --- | --- | --- | --- |
| [76-01](#Item76_01) | Director to request study groups to identify existing and future ITU-T Recommendations that would be candidates for interoperability | 28-Feb-09 and ongoing | ✓ |  |
| [76-02](#Item76_02) | Director to establish a group of experts to assist with preparation of proposal to Council, for conformity assessment and interoperability testing by 1st party and 3rd party laboratories. | 01-Jan-09 |  | ✓ |
| [76-03](#Item73_03) | Director to conduct exploratory activities in each region to identify and prioritize the problems faced by developing countries related to interoperability of ICT equipment and services | 30-May-09 and ongoing | ✓ |  |
| [76-04](#Item76_04) | Director to prepare draft report to Council-09 for its consideration and required actions | 01-Aug-09 |  | ✓ |
| [76-05](#Item76_05) | Director to identify potential test laboratories within the regions | 30-May-09 | ✓ |  |
| [76-06](#Item76_06) | Director, in collaboration with other Sectors, develop a programme to assist developing countries in identifying capacity-building and training opportunities | ongoing | ✓ |  |
| [76-07](#Item76_07) | Director, in collaboration with other Sectors, develop a programme to assist developing countries in establishing conformity and interoperability centres | ongoing | ✓ |  |
| [76-08](#Item76_08) | Director to study costs of testing facilities, costs for ITU, legal and regulatory implications and overall effect on ITU and manufacturers | 30-Jun-12 | ✓ |  |
| [76-09](#Item76_09) (new) | Director to implement the proposed conformity assessment programme, including a conformity assessment database. | ongoing | ✓ |  |
| [76-10](#Item76_10) | Director to implement the proposed interoperability events programme | ongoing | ✓ |  |

**Action Item 76-01: TSB and SGs**

Done

Request sent from TSB to all study groups' first meeting of the 2009-2012 study period. First set of replies given in May 2009 to be considered as living documents. Continue activity within the Joint Coordination Activity on Conformity and Interoperability Testing (JCA-CIT) group.

SG 17 provided extensive information to SGs and Q14/17 offered assistance to other Qs or SGs for issues related to conformance and interoperability testing principles and methodology to assist in supporting Res. 76. SG 17 replied to the Director of TSB on SG 17 Recommendations.

A new edition of the TTCN-3 Recommendations was consented in March 2012.

So far, 450 ITU-T Recommendations/standards have been identified where Conformity Assessment (CA) test suites are already available for ITU-T Recommendations or for standards from SDOs with A.5 qualification. In year 2012 TSB provided SG5, 9, 11, 12, 13, 15, 16 and 17 with introduction of the ITU C&I Programme and the TSB Interop service (see Action Item 76-10), and requested them to identify the list of Recommendations for which conformance and interoperability testing should be considered.

A [pilot conformity database](http://www.itu.int/net/ITU-T/cdb/cdb.aspx) is under development (<http://www.itu.int/net/ITU-T/cdb/cdb.aspx>)

**Action Item 76-02: TSB**

Done

1-Jan-09: A group of experts was formed in January 2009. Experts provided advice, on a voluntary basis, to the TSB Director from January up to September 2009.

**Action Item 76-03: TSB**

Done

21-Jul-09: Data was gathered via the group of experts, Organizations and participation in events in the regions. An ITU-T consultation on Conformity Assessment and Interoperability Testing (Geneva, 20-21 July 2009) was announced in [TSB Circular 45](http://www.itu.int/md/T09-TSB-CIR-0045/en) (published 10 June 2009). Information on this consultation meeting is found at [http://www.itu.int/ITU-T/worksem/wtsa-08/res76/200907](http://www.itu.int/ITU-T/worksem/wtsa-08/res76/200907/index.html). Information Document B (Interoperability Problems in the Developing Countries) of that meeting is found at <http://www.itu.int/dms_pub/itu-t/oth/06/24/T06240000010002MSWE.doc>

A two-day Consultation on Conformance Assessment and Interoperability for the Africa Region (30 to 31 July 2010, Nairobi, Kenya) was announced in [TSB Circular 107](http://www.itu.int/md/T09-TSB-CIR-0107/en), published 12 May 2010 ([http://www.itu.int/md/T09-TSB-CIR-0107](http://www.itu.int/md/T09-TSB-CIR-0107/en)). The consultation is addressed to industry, customers and end-users of ICT products and services, test laboratories, regulators, governments, certification organizations, standard bodies, operators, service providers and representatives of civil society.

WTDC Resolution 47 (Rev. Hyderabad, 2010), “Enhancement of knowledge and effective application of ITU Recommendations in developing countries, including conformance and interoperability testing of systems manufactured on the basis of ITU Recommendations” complements WTSA Res 76.

Under PP-10 Resolution 177, “Conformance and interoperability”, TSB will have events in the regions, in collaboration with BDT, to be completed before May 2012 in preparation for WTSA-12. A possible schedule would accommodate three regional events in 2011 and two regional events by May 2012.

**Action Item 76-04: TSB**

Done

14-Sep-09: A report was submitted to Council 2009 in document [C09/28](http://www.itu.int/md/S09-CL-C-0028/en), **“Studies related to conformance and interoperability testing, assistance to developing countries, and a possible future ITU mark programme”.** The Council endorsed the recommendations contained in § 8.2 of Document C09/28, noting the comments made, and noted Documents C09/28, [C09/69](http://www.itu.int/md/S09-CL-C-0069/en) and [C09/72](http://www.itu.int/md/S09-CL-C-0072/en) \*. The recommendations contained in § 8.2 of Document C09/28 are:

1. The implementation of the proposed conformity assessment programme
2. The implementation of the proposed interoperability events programme
3. The implementation of the proposed human resources capacity building
4. The implementation of the proposed recommendations to assist establishment of test facilities in developing countries
5. ... if recommendations (1) to (4) are agreed, the Director TSB should report to a future Council on the implementation of recommendations (1) and (2) and jointly with the Director BDT on recommendations (3) and (4) and a proposed business plan for the long-term implementation of the programmes.

A report was submitted to Council 2010 in document [C10/15Rev.1](http://www.itu.int/md/S10-CL-C-0015/en) ([http://www.itu.int/md/S10-CL-C-0015](http://www.itu.int/md/S10-CL-C-0015/en) ) on the implementation of Council-09 decisions on Resolution 76, i.e., the recommendations (1) to (4) above. In particular, the report noted implementation of a Conformance database, with entries to be provided by the companies declaring conformance with ITU-T Recommendations. The summary record of the fifth plenary of Council discussions is in document [C10/88](http://www.itu.int/md/S10-CL-C-0088/en), Section 2.1 to 2.26 ([http://www.itu.int/md/S10-CL-C-0088](http://www.itu.int/md/S10-CL-C-0088/en) ).

\* §4.9 of the Summary Record of the Seventh Plenary Meeting, Council-09 in [Document C09/118](http://www.itu.int/md/S09-CL-C-0118/en)

Plenipotentiary Conference 2010 (Guadalajara) Resolution 177, Resolves 1, endorsed the Director’s recommendations endorsed by Council-09, WTSA-08 Resolution 76 and WTDC-10 Resolution 47.

A report will be submitted to Council 2011 on the relevant WTSA, WTDC and PP Resolutions. Overviews of interoperability events and consultations are included in Council 2011  [C11/35](file:///C:\Users\yang\Documents\WTSA\WTSA%20Action%20Plan\C11\35) ([http://www.itu.int/md/S11-CL-C-0035](http://www.itu.int/md/S11-CL-C-0035/en))

**Action Item 76-05: TSB**

Done

Identification of potential test laboratories, processes and association with existing international conformity assessment processes, procedures and accredited testing facilities is under review.

There was a pilot pre-workshop in June 2009 in Tanzania on studies on costs and facilities to set up an appropriate test laboratory. Information on this is included in the report submitted to Council 2009 in sections 6.3, 6.4 and 6.5 of Document [C09/28](http://www.itu.int/md/S09-CL-C-0028/en), "Report of Director of TSB in accordance with WTSA-08 Resolution 76: Studies related to conformance and interoperability testing, assistance to developing countries, and a possible future ITU Mark programme"

The ITU Consultation on Conformity Assessment and Interoperability Testing, Geneva, 20-21 July 2009 was announced in [TSB Circular 45](http://www.itu.int/md/T09-TSB-CIR-0045/en). Information on this consultation meeting is found at [http://www.itu.int/ITU-T/worksem/wtsa-08/res76/200907](http://www.itu.int/ITU-T/worksem/wtsa-08/res76/200907/index.html). [Information Document I](http://www.itu.int/dms_pub/itu-t/oth/06/24/T06240000010009MSWE.doc) contains information on Test Laboratories in Developing Countries. (<http://www.itu.int/dms_pub/itu-t/oth/06/24/T06240000010009MSWE.doc>)

A two-day Consultation on Conformance Assessment and Interoperability for the Africa Region (30 to 31 July 2010, Nairobi, Kenya) was announced in [TSB Circular 107](http://www.itu.int/md/T09-TSB-CIR-0107/en), published 12 May 2010 ([http://www.itu.int/md/T09-TSB-CIR-0107](http://www.itu.int/md/T09-TSB-CIR-0107/en)). The consultation is addressed to industry, customers and end-users of ICT products and services, test laboratories, regulators, governments, certification organizations, standard bodies, operators, service providers and representatives of civil society.

TSB has participated at International Laboratory Accreditation Conference (ILAC) and the IPTV Interoperability Forum (IIF) General Assembly in Oct’10 (Shanghai).

TSB, in cooperation with BDT, has started activities to identify test centers in the regions. Part of these activities under consideration is to create a list of existing test laboratories which test, or that have intention to test, against ITU-T Recommendations. A visit to a test lab in the Africa region is planned for January 2011.

An [ITU Regional Seminar for the Africa Region on Conformance and Interoperability Testing Centre(s)](http://www.itu.int/ITU-T/worksem/citc/201107/index.html) was held in Accra, Ghana, 4-6 July 2011 ([http://www.itu.int/ITU-T/worksem/citc/201107](http://www.itu.int/ITU-T/worksem/citc/201107/index.html)). This seminar was intended to provide information on the following issues, each of which is relevant to WTSA Resolution 76.

* Status of the needs of Developing Countries for building testing labs for conformance and interoperability testing;
* Existing testing labs and their areas of activities in the ICTs field;
* Assessment of the needs and the opportunities to establish type approval testing labs in the countries;
* Criteria and characteristics to establish accredited Bodies/Labs in the Regions for Type Approval/Homologation based on rules and recommendations, and also best practice;
* The ILAC, IAF and accreditation bodies, MRAs (Mutual Recognition Agreements) reference documents, framework and procedures for mutual recognition of conformity assessment of telecommunication equipment and systems;
* ITU testing approaches including ITU experience, conformance testing experience in different countries and technologies to be tested, application of Model networks for conformance testing, proposed methodologies of protocols, equipment and services for conformance testing, experience from international testing projects; steps to be undertaken to facilitate the creation of regional test labs and to create capacity building opportunities at a regional level.
* Establishment of further actions economical, technical and regional presence.

**Action Item 76-06: TSB**

This Action Item is led by ITU-BDT.

December 2009: TSB participated in a workshop organized by the Tanzania Communications Regulatory Authority, 25-26 June 2009, giving a presentation on Resolution 76. TSB also participated in a workshop on training and capacity building on testing and conformity assessment organized by the Moscow ITU Area Office and held at ZNIIS, Moscow, 8-11 December 2009.

Cooperation with BDT started Jan 2010 after the endorsement by the Council-09 of the TSB Director's Recommendations included in Council 2009 document [C09/28](http://www.itu.int/md/S09-CL-C-0028/en), "Report of Director of TSB in accordance with WTSA-08 Resolution 76: Studies related to conformance and interoperability testing, assistance to developing countries, and a possible future ITU Mark programme"

Additional consultations held in 2010 and 2011 include:

* 6 July 2010, Quito, Ecuador: ITU Consultation on Conformance Assessment and Interoperability Testing
* 20-21 July 2010, Geneva, Switzerland: ITU Consultation on Conformance Assessment and Interoperability Testing
* 30-31 July 2010, Nairobi, Kenya: ITU Consultation on Conformance Assessment and Interoperability Testing
* 16-17 September 2010, Sydney, Australia: ITU Consultation on Conformance Assessment and Interoperability Testing
* 17 December 2010, Pune, India: ITU-T Workshop on Conformance and Interoperability of IPTV
* 4-6 July 2011, Accra, Ghana: ITU Regional Seminar for the Africa Region on Conformance and Interoperability Testing Centres
* 9-11 November 2011, Moscow, Russia: ITU Forum on Conformance and Interoperability Testing in CIS and Europe Regions
* 12-15 May: Brasilia, Brazil, ITU Forum on Conformance and Interoperability for the Americas region

Moreover TSB participated in a C&I workshop organized by UNIDO in Dhaka, Bangladesh 1-2 February 2012.

Information on Resolution 76 has been included in most presentations made at meetings with regional groups and Bridging Standardization Gap Forums. Meetings and training courses are planned for the Africa and Arab countries in November 2012.

**Action Item 76-07: TSB**

This Action Item is led by ITU-BDT.

TSB has initiated discussions with UNIDO regarding assistance in the establishment of testing facilities in the regions. A pilot project had been initiated in Tanzania supported by Sintesio.

TSB has visited multiple test laboratories in, e.g., China, Colombia, Ecuador, USA. A list of test laboratories affiliated with ILAC is also being consulted.

ITU has signed a MoU with ILAC/IAF for cooperation in conformity assessment and accreditation issues, moreover TSB is in touch with relevant accreditation and certification bodies, such as IECEE, ICONTEC, INMETRO, CPqD, OHN, NYCE, that may contribute to further develop and implement Res. 76.

**Action Item 76-08: TSB**

Done.

Identification of potential test laboratories, processes and association with existing international conformity assessment processes, procedures and accredited testing facilities is under review.

There was a pilot pre-workshop in June 2009 in Tanzania on studies on costs and facilities to set up an appropriate test laboratory. Information on this is included in the report submitted to Council 2009 in sections 6.3, 6.4 and 6.5 of Council 2009 document [C09/28](http://www.itu.int/md/S09-CL-C-0028/en), "Report of Director of TSB in accordance with WTSA-08 Resolution 76: Studies related to conformance and interoperability testing, assistance to developing countries, and a possible future ITU Mark programme"

The ITU Consultation on Conformity Assessment and Interoperability Testing, Geneva, 20-21 July 2009 was announced in [TSB Circular 45](http://www.itu.int/md/T09-TSB-CIR-0045/en). Information on this consultation meeting is found at [http://www.itu.int/ITU-T/worksem/wtsa-08/res76/200907](http://www.itu.int/ITU-T/worksem/wtsa-08/res76/200907/index.html). [Information Document I](http://www.itu.int/dms_pub/itu-t/oth/06/24/T06240000010009MSWE.doc) contains information on Test Laboratories in Developing Countries. (<http://www.itu.int/dms_pub/itu-t/oth/06/24/T06240000010009MSWE.doc>

A two-day Consultation on Conformance Assessment and Interoperability for the Africa Region (30 to 31 July 2010, Nairobi, Kenya) was announced in [TSB Circular 107](http://www.itu.int/md/T09-TSB-CIR-0107/en), published 12 May 2010 ([http://www.itu.int/md/T09-TSB-CIR-0107](http://www.itu.int/md/T09-TSB-CIR-0107/en)). The consultation is addressed to industry, customers and end-users of ICT products and services, test laboratories, regulators, governments, certification organizations, standard bodies, operators, service providers and representatives of civil society.

A Business plan was developed by KPMG and submitted to Council-12 for consideration in C12/37(<http://www.itu.int/md/S12-CL-C-0037> ). It is based on 4 Pillars and provides figures for financial impact based on two (slow/fast) evolution scenarios. PP-10 Resolution 177, *Instructs TSB Director 2* says to continue to carry out necessary studies with a view to introducing the use of ITU Mark. The Business Plan (KPMG) also takes into account this aspect compared to similar experiences. TSB is considering implementing technology/product related certification activities in cooperation with test labs and certification bodies as a pilot test bed.

**New Action Item 76-09: TSB**

A [Pilot Conformity Database](http://www.itu.int/net/ITU-T/cdb/cdb.aspx) was launched in January 2010. (<http://www.itu.int/net/ITU-T/cdb/cdb.aspx> ) There have been inquiries from vendors but no submissions have been posted as of the end of 2010.

Thanks to workshops and forums and contributions from the various actors and after the decision of PP-10 the Pilot Database has been implemented as a Conformity database based on direct inputs from vendors and a test labs database for those testing labs working also on ITU Recommendations has been established.

Companies will directly populate the conformity database by duly filling in, signing and submitting to [conformity@itu.int](mailto:conformity@itu.int), a Supplier’s Declaration of Conformity (SDoC) available [on-line](http://www.itu.int/net/ITU-T/cdb/secured/Register.aspx) (one per each product). based on any of the following four “Routes”:

* Route 1: Testing performed in an 1st, 2nd or 3rd party accredited laboratory according to ISO/IEC 17025; or
* Route 2: Test results approved by an Accredited Certification Body (ISO/IEC Guide 65); or
* Route 3: Testing performed in laboratories recognized by an SDOs, Forum or Consortium qualified in accordance with Recommendation ITU-T A.5 or by an Organization having signed an MoU with ITU.
* Route 4: reserved to ITU members only. A conformity declaration of conformity is issued by the vendor itself after successful test results and its own validation. However, this route seems to decrease the credibility of the Conformity Products database, therefore KPMG recommended dropping it.

A new C&I Portal has been launched and it is intended to cover a wide range of issues including the ITU C&I Programme, concepts, information on entities, laboratories, certification and accreditation bodies, SDOs, training opportunities, assistance for regional centres and links to other databases in the C&I .

The ITU C&I Portal is available at: <http://www.itu.int/net/ITU-T/C-I/>

**New Action Item 76-10: TSB**

ITU organized and facilitated seven ITU Interop and related events, some of them were piggybacked with showcasing events. Companies paid to participate. Six IPTV Interop and related events took place to test and/or demonstrate interoperability of products meeting ITU-T’s IPTV standards: July 2010 (Geneva); September 2010 (Singapore), December 2010 (Pune, India), July 2011 (Rio de Janeiro), September 2011 (Dubai), and October 2011 (Geneva). ITU also participated in the first transcontinental IPTV experiment on the occasion of the Sapporo Snow Festival in Japan, February 2012.

ITU-TSB organized the first ITU IPTV Application Challenge to solicit applications developed according to ITU-T IPTV standards and compatible and interoperable with the software/hardware environment sponsored by ITU members. Winner applications of this challenge were demonstrated at ITU World 2011 Telecom and various other occasions. Following the success of this first IPTV Application Challenge, the second Challenge, themed "Better Quality of Life", was launched in June 2012, and its awarding ceremony is planned to take place during WTSA-12.

In May 2011, ITU hosted the first interoperability testing event on Recommendation ITU-T G.9960 (G.hn) for home networking. The event was a joint effort of the HomeGrid Forum and the Broadband Forum. The event was facilitated by the University of New Hampshire Interoperability Laboratory which became an ITU-T Academia member.

ITU supported an interoperability testing event on Recommendation ITU-T Q.3900 series for NGN Testing in Japan on 11-13 July 2012. It was suggested to explore a model of new collaboration framework for regional/national SDOs to organize such NGN interoperability events using ITU-T Recommendations to promote the adoption of NGN in developing countries.

**A complete list of ITU-T interop and showcasing event is found at**: [ITU Interop](http://www.itu.int/net/ITU-T/interop/Default.aspx).

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**Annex 1 - Relationship Between Decisions and Resolutions of Plenipot-10 and WTSA-08 Resolutions**

| In-force PP Decisions and Resolutions as of PP-10 | WTSA-08 Resolutions |
| --- | --- |
| Decision 5 (Rev. Guadalajara, 2010) – Income and expenditure for the Union for the period 2008-2011 | Resolution 32 (strengthening EWMs - e.g., to reduce paper, reduce travel to lower expenditures)  Resolution 34 – Voluntary Contributions |
| Decision 12 (COM6/1, Guadalajara, 2010) - Free online access to ITU Publications | (none) |
| Resolution 5 (Kyoto, 1994) - Invitations to hold conferences or meetings away from Geneva | Resolution 2 (SGs)-list all the SG meetings held outside Geneva, with good cooperation from the host countries; Resolution 43 (regional preparation meetings for WTSA) |
| Resolution 14 (Rev. Antalya, 2006) - Recognition of the rights and obligations of all Sector Members of the Union | Resolution 1 (ITU-T procedures; TAP), 22 (action by TSAG), 35 (appointment of Chairs and Vice Chairs) |
| Resolution 16 (Rev. Minneapolis, 1998) - Refinement of the Radiocommunication Sector and Telecommunication Standardization Sector | Resolution 18 (allocation of work between ITU-R and ITU-T) |
| Resolution 21 (Rev. Antalya, 2006) – Special measures concerning alternative calling procedures on international telecommunication networks | Resolution 29 (alternative calling procedures) |
| Resolution 22 (Rev. Antalya, 2006) – Apportionment of revenues in providing international telecommunication services | report results of WTSA-08, e.g. on Rec D.156 on network externalities |
| Resolution 25 (Rev. Guadalajara, 2010) – Strengthening the regional presence | providing assistance to DCs: BSG Resolutions (e.g., 17, 43, 44, 54, 56, 58, 59, 72, 74, 76); strengthening regional presence: 26 and 54 (creation of regional groups); 53 (Seminar Coord’n Comm.) |
| Resolution 30 (Rev. Guadalajara, 2010) – Special measures for the least developed countries and small island developing states | BSG Resolutions (e.g., 17, 43, 44, 54, 56, 58, 59, 72, 74, 76) |
| Resolution 35 (Kyoto, 1994) - Telecommunication support for the protection of the environment | Resolution 73 (ICT and Climate Change) |
| Resolution 38 – (Kyoto, 1994) - Contributory shares in Union expenditure | (academia and SMs from LDCs at lower dues level) |
| Resolution 48 (Rev. Guadalajara, 2010) – Human resources management and development | Resolution 55 (gender representation on the staff) |
| Resolution 58 (Rev. Guadalajara, 2010) - Strengthening of relations with regional telecommunication organizations | Resolution 43 (regional preps for WTSA)  Resolution 54 (regional groups) |
| Resolution 64 (Rev. Guadalajara, 2010) – Non-discriminatory access to modern telecommunication/information and communication technology facilities and services | Resolution 69 (non-discriminatory access and use of Internet resources) |
| Resolution 70 (Rev. Guadalajara, 2010) – Gender mainstreaming in ITU and promotion of gender equality towards all-inclusive information societies | Resolution 55 (gender representation on the staff) |
| Resolution 71 (Rev. Guadalajara, 2010) – Strategic plan for the Union for 2008-2011 | Report of the Sector to PP-14: Can use future WTSA-12 Action Plan to show completed actions and programmes in progress. |
| Resolution 72 (Rev. Guadalajara, 2010) – Linking strategic, financial and operational planning in ITU | Resolution 33 (strategic activities); Can use portions of the future WTSA-12 Action Plan that show linkages and preparation of ITU-T portion of Strategic Plan; can use KPI’s to report on ITU-T operations and achievements |
| Resolution 101 (Rev. Guadalajara, 2010) – Internet Protocol-based networks | Resolution 60 (evolution of the numbering system and convergence with IP-based systems/networks); Resolutions 47 (ccTLD); 48 (IDN); 49 (ENUM); 52 (spam); 64 (IPv6); 69 (use of Internet resources); 75 (implementing outcomes of WSIS and establishment of Dedicated Group as part of CWG-WSIS) |
| Resolution 102 (Rev. Guadalajara, 2010) – ITU’s role with regard to international public policy issues pertaining to the Internet and the management of Internet resources, including domain names and addresses | Resolutions 47 (ccTLD); 48 (IDN); 49 (ENUM); 52 (spam); 64 (IPv6); 69 (use of Internet resources); 75 (implementing outcomes of WSIS and establishment of Dedicated Group as part of CWG-WSIS) |
| Resolution 122 (Rev. Guadalajara, 2010) – The evolving role of the World Telecommunication Standardization Assembly | Resolution 1 (ITU-T structure, WTSA); Resolution 22 (TSAG to act between WTSAs); Resolution 68 (implementation of PP Res 122): meetings of CTOs, high-level executives; report on GSS held before WTSA-12 |
| Resolution 123 (Rev. Guadalajara, 2010) – Bridging the standardization gap between developing and developed countries | BSG Resolutions (e.g., 17, 43, 44, 54, 56, 58, 59, 72, 74, 76); 34 (voluntary contributions); 53 (SCC) |
| Resolution 130 (Rev. Guadalajara, 2010) – Strengthening the role of ITU in building confidence and security in the use of information and communication technologies | Resolutions 50 (cybersecurity); 52 (spam); 58 (CIRTs); 72 (human exposure to EMF); 76 (conformance and interoperability testing) |
| Resolution 133 (Rev. Guadalajara, 2010) – Role of administrations of Member States in the management of internationalized (multilingual) domain names | Resolution 48 (IDN) |
| Resolution 135 (Rev. Guadalajara, 2010) – ITU's role in the development of telecommunications/information and communication technologies, in providing technical assistance and advice to developing countries, and in implementing relevant national, regional... | Resolutions 66 (Technology Watch); 70 (accessibility). BSG Resolutions (e.g., 17, 43, 44, 54, 56, 58, 59, 72, 74, 76). Can report on Voluntary Contributions made to the BSG Fund |
| Resolution 136 (Rev. Guadalajara, 2010) – The use of telecommunications/information and communication technologies for monitoring and management in emergency and disaster situations for early warning, prevention, mitigation and relief | Resolution 58 (CIRTs)  Resolution 70 (accessibility) |
| Resolution 137 (Rev. Guadalajara, 2010) – Next-generation network deployment in developing countries | Resolution 1 (general); Resolution 2 (SGs). Resolution 44 (BSG). Report on results of SGs on NGN-GSI; NGN-related standards approved. |
| Resolution 139 (Rev. Guadalajara, 2010) – Telecommunications/information and communication technologies to bridge the digital divide and build an inclusive information society | BSG Resolutions (e.g., 17, 43, 44, 54, 56, 58, 59, 72, 74, 76) |
| Resolution 140 (Rev. Guadalajara, 2010) – ITU’s role in implementing the outcomes of the World Summit on the Information Society | Resolution 75 (ITU-T implementing outcomes of WSIS) |
| Resolution 141 (Antalya, 2006) – Study on the participation of all relevant stakeholders in the activities of the Union related to the World Summit on the Information Society | BSG Resolutions (e.g., 17, 43, 44, 54, 56, 58, 59, 72, 74, 76); Resolution 75 (ITU-T implementing outcomes of WSIS) |
| Resolution 146 (Antalya, 2006) – Review of the International Telecommunication Regulations | Report on meetings of WG-WCIT |
| Resolution 149 (Antalya, 2006) – Study of definitions and terminology relating to building confidence and security in the use of information and communication technologies | Resolution 67 (Standardization Committee for Vocabulary) |
| Resolution 162 (COM6/2 + Annex) (Guadalajara, 2010) - Independent Management Advisory Committee | (none) |
| Resolution 163 (COM5/1) (Guadalajara, 2010) - Establishment of a Council working group on a stable ITU Constitution | (none) |
| Resolution 164 (PLEN/1) (Guadalajara, 2010) - Allocation of seats of Council Member States | (none) |
| Resolution 165 (COM6/4) (Guadalajara, 2010) - Deadlines for the submission of proposals and procedures for the registration of participants to conferences, assemblies and meetings of the Union | (none, but Recommendation A.1 on submission of contributions might be affected) |
| Resolution 166 (COM5/2) (Guadalajara, 2010) - Number of vice-chairmen of Sector advisory groups, study groups and other groups | Resolution 35 (appointment of SG and TSAG Chairs and VCs) |
| Resolution 167 (COM6/6) (Guadalajara, 2010) - Strengthening ITU capabilities for electronic meetings and means to advance the work of the Union | Resolution 32 (EWMs) |
| Resolution 168 (COM6/7) (Guadalajara, 2010) - Translation of ITU Recommendations | (none) |
| Resolution 169 (COM6/1) (Guadalajara, 2010) - Admission of academia, universities and their associated research establishments to participate in the work of the three Sectors of the Union | Resolution 71 (academia); Resolution 22 for TSAG to develop guidelines for participation by academia, possibly based on Resolution 31 (Associates) |
| Resolution 170 (COM6/3) (Guadalajara, 2010) - Admission of Sector Members from developing countries to participate in the work of the ITU Telecommunication Standardization Sector and the ITU Radiocommunication Sector | (TSAG to prepare an report for Council evaluating this participation, for Council’s report to PP-14) |
| Resolution 171 (COM5/3) (Guadalajara, 2010) - Preparations for the 2012 World Conference on International Telecommunications | Resolution 43 (regional prep for WTSA) |
| Resolution 172 (WGPL/5) (Guadalajara, 2010) - Overall review of implementation of the outcomes of the World Summit on the Information Society | Resolution 75 (outcomes of WSIS) |
| Resolution 173 (PLEN/2) (Guadalajara, 2010) - Piracy and attacks against fixed and cellular telephone networks in Lebanon | (none) |
| Resolution 174 (WGPL/1) (Guadalajara, 2010) - ITU's role with regard to international public policy issues relating to the risk of illicit use of information and communication technologies | Resolution 50 (cybersecurity), Resolution 52 (spam), Resolution 58 (encourage creation of national CIRTs), Resolution 61 (misappropriation of international numbering resources) |
| Resolution 175 (WGPL/2) (Guadalajara, 2010) - Telecommunication/Information and Communication Technology accessibility for persons with disabilities, including age-related disabilities | Resolution 70 (accessibility for persons with disabilities) |
| Resolution 176 (WGPL/3) (Guadalajara, 2010) - Human exposure to and measurement of electromagnetic fields | Resolution 72 (measurement concerns related to human exposure to EMF) |
| Resolution 177 (WGPL/4) (Guadalajara, 2010) - Conformance and interoperability | Resolution 76 (conformance and interoperability testing) |
| Resolution 178 (WGPL/6) (Guadalajara, 2010) - ITU role in organizing the work on technical aspects of telecommunication networks to support the Internet | Resolution 2 (SG mandates); 75 (implementing outcomes of WSIS and establishment of Dedicated Group as part of CWG-WSIS) |
| Resolution 179 (WGPL/7) (Guadalajara, 2010) - ITU's role in child online protection | Resolution 20 (allocation and management of numbering, naming, addressing and identification resources) |
| Resolution 180 (WGPL/8) (Guadalajara, 2010) - Facilitating the transition from IPv4 to IPv6 | Resolution 64 (IPv6) |
| Resolution 181 (WGPL/9) (Guadalajara, 2010) - Definitions and terminology relating to building confidence and security in the use of ICTs | Resolution 50 (cybersecurity), Resolution 67 (Standardization Committee for Vocabulary) |
| Resolution 182 (WGPL/10) (Guadalajara, 2010) - The role of telecommunication/information and communication technologies on climate change and the protection of the environment | Resolution 73 (ICT and climate change) |
| Resolution 183 (WGPL/11) (Guadalajara, 2010) - Telecommunication/ICT applications for e-health | Resolution 2 (SG mandates, in particular SG16 on applications); Resolution 66 (Technology Watch) |
| Resolution 184 (COM6/5) (Guadalajara, 2010) - Facilitating digital inclusion initiatives for indigenous peoples | Resolution 53 (workshops and seminar coordination group) |

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1. See TD 137 (PLEN/2) at <http://itu.int/md/T09-SG02-091116-TD-PLEN-0137> [↑](#footnote-ref-2)