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|  | INTERNATIONAL TELECOMMUNICATION UNION**TELECOMMUNICATIONSTANDARDIZATION SECTOR**STUDY PERIOD 2025-2028 | SG17-TD51R1/PLEN |
| STUDY GROUP 17 |
| Original: English |
| **Question(s):** | All/17, 1/17 | Geneva, 8-17 April 2025 |
| **TD** |
| **Source:** | Editors |
| **Title:** | Draft report of SG17 activities in implementation of WTDC-21 Resolutions |
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| **Abstract:** | This document contains a progress report of SG17 activities in implementation of WTDC-21 Resolutions. |

# Action for all SG17 Questions

A draft report of SG17 activities in implementation of selected WTDC-21 Resolutions is prepared by Editor in Annex. This TD is a document for further development until next WTDC-25.

All SG17 Questions are invited to:

* identify their possible contribution to any of them; and
* review the status of implementation of those items pertaining to their Question.

Rapporteurs are expected to provide such updates to Q1/17 (i.e. fill-in text in the status/result column; please use revision marking).

Texts in yellow highlighting are updates proposed by Q4/17 and Q8/17 during the April 2025 SG17 meeting.

## Introduction

SG17 continues this ongoing reporting to contribute to the implementation of WTDC-21 Resolutions.

The following WTDC-21 Resolutions are considered as relevant to SG17:

* 30 “Role of the ITU Telecommunication Development Sector in implementing the outcomes of the World Summit on the Information Society and the 2030 Agenda for Sustainable Development”,
* 34 “The role of telecommunications/information and communication technology in disaster preparedness, early warning, rescue, mitigation, relief and response”,
* 45 “Mechanisms for enhancing cooperation on cybersecurity, including countering and combating spam”,
* 47 “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”,
* 63 “Internet Protocol address allocation and facilitating the transition to and deployment of IPv6 in the developing countries”,
* 67 “The role of the ITU Telecommunication Development Sector in child online protection”,
* 69 “Facilitating the creation of national computer incident response teams, particularly for developing countries, and cooperation among them”,
* 79 “The role of telecommunications/information and communication technologies in combating and dealing with counterfeit and tampered telecommunication/information and communication devices”,
* 84 “Combating mobile telecommunication device theft”.

The full text of the WTDC-22: Final Report including all the Resolutions is available at:

 <https://www.itu.int/en/publications/ITU-D/pages/publications.aspx?parent=D-TDC-WTDC-2022&media=electronic>

Annex
WTDC-21 Resolutions related to SG17 work

The table below provides identification of SG17 Questions and status of work relative to selected WTDC-21 Resolutions.

| **WTDC-21 Resolution** | **Title of WTDC-21 Resolution** | **SG17 implications** | **Status** |
| --- | --- | --- | --- |
| 30 | Role of the ITU Telecommunication Development Sector in implementing the outcomes of the World Summit on the Information Society and the 2030 Agenda for Sustainable Development | Q1/17, Q2/17, Q3/17, Q4/17, Q6/17, Q7/17, Q8/17, Q10/17, Q11/17, Q13/17, Q14/17, Q15/17 | SG17 collaborates with ITU-D on implementation of WSIS Action line C5 in Council WG WSIS which coordinates the collaboration of the General Secretariat and the three Bureaus (BR, TSB and BDT). |
| 34 | The role of telecommunications/ information and communication technology in disaster preparedness, early warning, rescue, mitigation, relief and response | Q4/17, Q10/17, Q11/17 |  |
| 45 | Mechanisms for enhancing cooperation on cybersecurity, including countering and combating spam | Q1/17, Q2/17, Q3/17, Q4/17, Q6/17, Q8/17, Q10/17, Q11/17 | SG17 continues collaboration with relevant organizations in order to promote cybersecurity and to find effective and efficient measures to countering potential spam. SG17 collaborates with ITU-D for best practices on countering spam. Q4/17 is looking forward to promoting an in-depth cooperation with ITU-D SG2 to advocate actions at the national, regional and international level with a view to exchanging best practices and disseminating information through joint workshops, training sessions, etc. At its April 2025 meeting, SG17 determined ITU-T Recommendation, X.sgc-rcs, *“Guidelines for countering spam over RCS messaging”* developed by Q4.Knowledge of the Q11/17 work in the areas of Rec. ITU-T X.500 and especially in the area of Rec. ITU-T X.509 would be of interest to developing countries. SG17 approved:- ITU-T X.1220 (9/2023), *Security framework for storage protection against malware attacks on hosts*,- ITU-T X.1236 (9/2023), *Security requirements and countermeasures for targeted email attacks*, and- ITU-T X.1237 (9/2024), *Technical security framework for personally identifiable information protection while countering mobile messaging spam* developed by Q4/17.Q4/17 is working on draft new Recommendations:- X.1221 (X.stie), *Structured Threat Information Expression* (STIE) [*OASIS STIX Version 2.1* (9/2022)],- X.1222 (X.taeii), *Trusted Automated Exchange of Intelligence Information* (TAEII) [*OASIS TAXII Version 2.1* (9/2022)],- X.st-ssc, *Security threats of software supply chain*,- X.sf-dtea, *Security framework for detecting targeted email attacks*- X.nspam, *Security framework for network storage protection against malware attacks*, and- X.gpmr, *Guidelines and security measures for prevention and mitigation of ransomware*.Q8/17 works on security of cloud and big data infrastructure, provides best practices and guidelines for enhancing security and cooperation among the main actors and related roles in the cloud computing ecosystem. Published Recommendations such as ITU-T X.1601, X.1602, and X.1631 provide a set of Recommendations on security service for cloud security overview, architecture, and framework, cross-layers cloud security and specific security of network services. |
| 47 | 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 | Q1/17, Q11/17 | Q11/17 provides formal languages for testing e.g. TTCN-3, which is published as Z.160/Z.170-series. |
| 63 | Internet Protocol address allocation and facilitating the transition to and deployment of IPv6 in the developing countries | Q2/17 | Studies on security aspects of IPv6 deployment are developed by a group of experts in SG17, in close collaboration with IETF and other SDOs.Q2/17 developed X.1037 which provides IPv6 technical security guidelines and X.suppl.23 which provides a supplement on security management guidelines for the implementation of an IPv6 environment in telecommunication organizations. |
| 67 | The role of the ITU Telecommunication Development Sector in child online protection | Q1/17, Q4/17, Q6/17, Q7/17, Q10/17, Q11/17 | SG17 established a correspondence group on Child Online Protection (CG-COP) at SG17 meeting February/March 2021 with the objective to identify the scope and gaps for COP standardization in SG17. The deliverable from CG-COP was published at April 2025 SG17 meeting.  |
| 69 | Facilitating creation of national computer incident response teams, particularly for developing countries, and cooperation among them | Q3/17, Q4/17 | Q3/17 developed X.1060 which provides a framework for organizations to build and manage a Cyber Defence Centre (CDC) and indicates CDC security services for those who are responsible for security at the top management level of an organization, such as Chief Security Officer (CSO) and/or Chief Information Security Officer (CISO), and security supervisors who assist the CSO and/or CISO. Q3 conducted cyber defence centre framework survey to Africa with RG-AFR and TSB until the end of March 2022, which was issued in December 2021 as Circular 365 (Questionnaire on Assessment of Cyber Defence Centres in Africa Using Recommendation ITU-T X.1060: Framework for Creation and Operation of a Cyber Defence Centre).Q3/17 is working on draft new Recommendations:- X.sup-cdc, *Supplement to X.1060: X.1060 Tutorial material*, - X.cdc-csirt, *Relationships between Cyber Defence/Security Center and Computer Security Incident Response Team*, - X.1060-rev, *Framework for the creation and operation of a cyber defence/security centre*.Q4/17 is working on draft new Recommendation:- X.icd-schemas, *Vendor agnostic security data schemas for integrated cyber defence solutions*.ITU-T SG17 Mini-Workshop on ITU-T X.1060 Cyber Defence Center was held successfully on 22 February 2024. |
| 79 | The role of telecommunications/information and communication technologies in combating and dealing with counterfeit and tampered telecommunication/information and communication devices | Q6/17 | SG17 work on identity management could help combating counterfeit telecommunication/ICT devices.Q6/17 is working on draft Recommendation:- X.mt-*integrity*, *Security guidelines for mobile terminal integrity protection* |
| 84 | Combating mobile telecommunication device theft | Q6/17 | SG11 and SG17 Chairs in consultation with the SGs management teams agreed on demarcation lines between SG17 and SG11 in the areas of signalling security, and combating counterfeiting and the use of stolen ICT devices, which is documented in TSAG [TD 934](https://www.itu.int/md/T17-TSAG-210111-TD-GEN-0934/en). |

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