



Overview of the ITU-T SG11 activities on combating counterfeiting and stolen ICT devices

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High Level discussion on the topic

- **PP-14 Decision:**

- **PP-14 Resolution 188 (BUSAN, 2014):** "Combating counterfeit telecommunication/information and communication technology devices".
- **PP-14 Resolution 189 (BUSAN, 2014):** Assisting Member States to combat and deter mobile device theft.

- **WTSA-16 Decisions:**

- **WTSA-16 Resolution 96 (Hammamet, 2016):** "Studies for combating counterfeit telecommunication/information and communication technology devices".
- **WTSA-16 Resolution 97 (Hammamet, 2016):** Combating mobile telecommunication device theft.
- **Revision of ITU-T Resolution 2 (Hammamet, 2016):** ITU-T study group responsibility and mandates.

ITU-T SG11 became the **Lead study group on combating counterfeiting and the use of stolen ICT device.**



- **Other Related SGs:** ITU-T SG 5, 12, 17, 20 – ITU-D SG2 (04/2)

KEY CHALLENGES ON THE COMBAT OF COUNTERFEIT AND STOLEN ICT (BASED ON RES. 2, 96, 97).

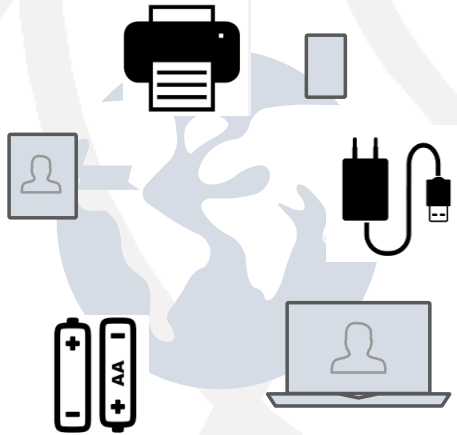
- Developing Recommendations, technical reports and guidelines on combating the use for Counterfeit and Stolen Devices.
- Study existing as well as new reliable, unique, persistent and secure identifiers to assist on the combat of counterfeit and stolen.
- Methods of assessing and verifying identifiers used for purposes of combating counterfeit production.
- List of technologies/products, used for testing conformance with ITU-T Recommendations, in order to help in efforts to combat counterfeit ICT production
- Solutions to address the problem of tampering and duplication of unique identifiers.



Combating Counterfeiting ICT Equipment

The Problem

- **PP-14 Resolution 188 (BUSAN, 2014):** "Combating counterfeit telecommunication/information and communication technology devices"
- **WTSA-16 Resolution 96 (Hammamet, 2016):** "Studies for combating counterfeit telecommunication/information and communication technology devices"



International trade in counterfeit: hundreds of billion USD

Growing problem particularly in developing countries

Economic impacts on manufacturers and Governments

Affects operators networks

Dangers to the health

COMPLETED WORK

Technical Report on
“[Counterfeit ICT Equipment](#)”
(2014, rev. 2015)

[QTR-CICT:](#)
Survey report on counterfeit
ICT devices in Africa region
(02-2017)

ON-GOING WORK

[Draft Rec. Q.FW_CCF:](#)
“Framework for solution to
combat counterfeit ICT
Device”

[Draft TR-CF_BP:](#)
“Technical Report -
Guidelines on Best Practice
and Solutions for Combating
Counterfeit ICT Devices”

Past Events



Workshop on Combating
counterfeit and substandard
ICT devices ([November 2014](#))



Demo on a solution to combat
Counterfeiting of ICT products
based on the Digital Object
Architecture ([April 2015](#))



Workshop on Combating
counterfeit using conformance
and interoperability solutions
([June 2016](#))



Regional Workshop on Africa -
“Counterfeit ICT Devices,
Conformance and Interoperability
Testing Challenges in Africa”.
([April 2017](#))



2nd Regional Workshop on Africa -
“Counterfeit ICT Devices,
Conformance and Interoperability
Testing Challenges in Africa”.
([April 2018](#))



Combat of Stolen ICT devices

The Problem:

- **PP-14 Resolution 189 (BUSAN, 2014):** Assisting Member States to combat and deter mobile device theft.
- **WTSA-16 Resolution 97 (Hammamet, 2016):** Combating mobile telecommunication device theft.

Completed Work:

- **ITU-T X.1127 (2017):** Functional security requirements and architecture for mobile phone anti-theft measures (aka. Killswitch).

On-going Work:

- **Draft Recommendation Q.FW_CSM:** Framework for Combating the use of Stolen Mobile ICT Devices.

Events Related:

- [ITU Workshop](#) on Global approaches on combating counterfeiting and stolen ICT devices, 23 July 2018 (during next ITU-T SG11 meeting).
- Past Counterfeit workshop have also touched the combat of stolen ICT since the solutions to address both problems are related.



Q15/11 - Combating counterfeit and stolen ICT equipment

- Develop Recommendations, technical reports and guidelines to assist ITU Members, in cooperation with ITU-D Sector, on combating counterfeit ICT equipment
- Develop Recommendations, technical reports and guidelines to address the problem of stolen ICT equipment and to assist the Member States, in cooperation with ITU-D Sector, in deploying solutions to and mitigate the use of stolen equipment
- Study any possible solutions, including identity management frameworks, to combat counterfeit and stolen ICT equipment with their identities modified
- Study any technologies that can be used as a tool for combating counterfeit and tampered ICT equipment
- Organize workshops and events across ITU regions in cooperation with the ITU-D Sector to promote the work of ITU-T in this field and involve stakeholders
- Study possible conformity and interoperability testing (C&I) solutions to combat counterfeiting of ICT equipment, taking into account the activities of the ITU-T CASC
- Study results achieved by various international standardization bodies and develop technical specifications to feed the standardization work of the Question



Q15/11 Strategic plan for Study Period (2017-2020):

- Action plan for Implementation of WTSA-16 Res. 96 (Counterfeit) and 97 (stolen Devices) - ([SG11-TD115R2/GEN](#)):
 - Division of the work in **four major blocks**, based on the Res. 2, Res. 96 and Res. 97:
 1. Raise the awareness and promote the discussion;
 2. Coordinate the actions and collect information, within and outside ITU;
 3. Produce deliverable, such as Technical Reports and Recommendation;
 4. Assist ITU members implement the deliverables and combat the use of counterfeit and stolen devices;
- **Next actions regarding the combat of Counterfeit and Stolen ICT devices:**
 - Begin the determination process of Q.FW_CCF (July/2018).
 - Q.FW_CSM scheduled to be approved on Q1/2019.
 - Continuation of the Technical Reports on the Combat of Counterfeit ICT.
 - Creation of new work-items related (e.g the tampering/cloning of unique identifiers).



Thank You!



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