



Overview of ITU activities on combating counterfeiting and stolen ICT devices

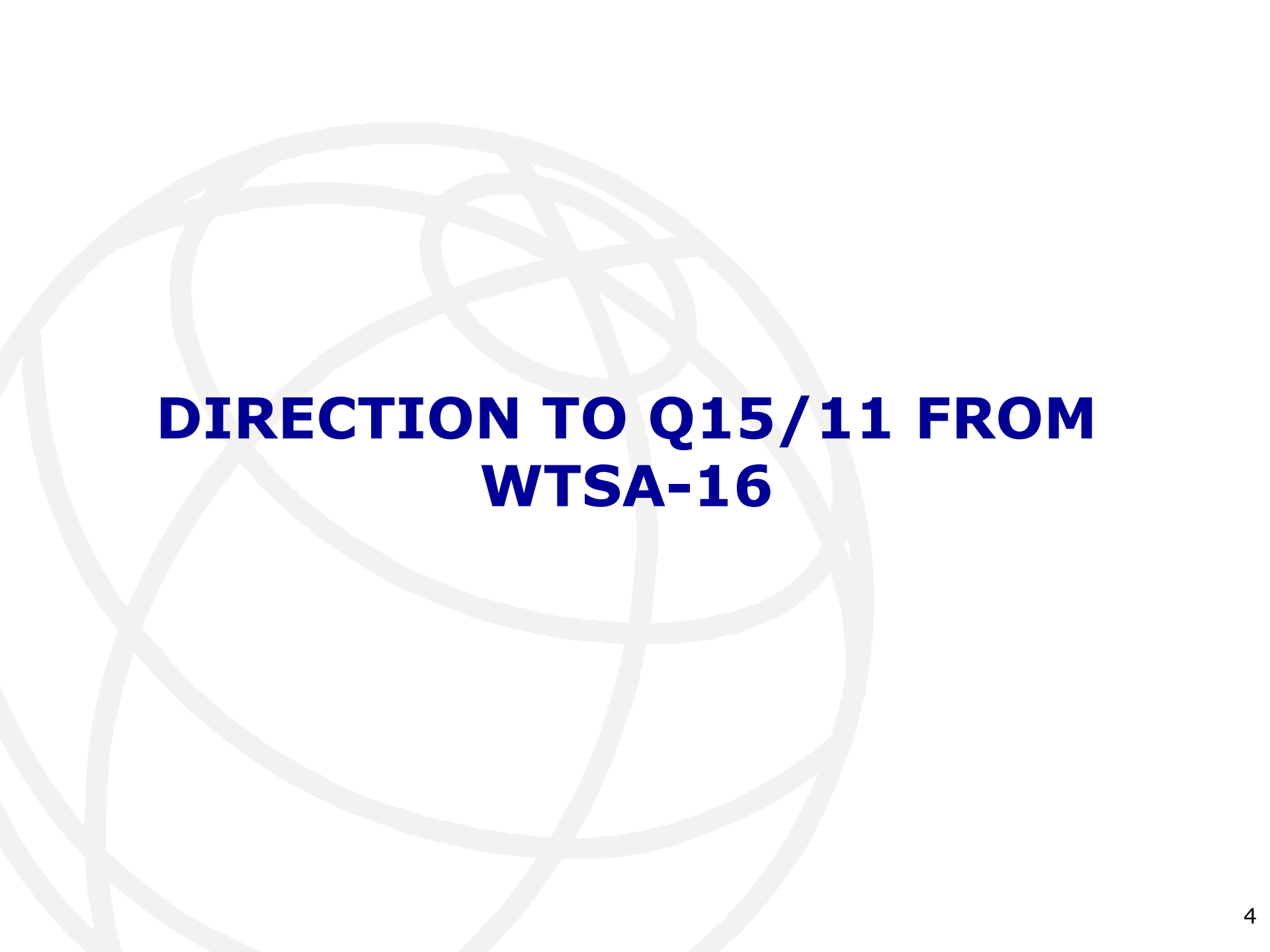
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Outline

- 1. Question 15 of Study Group 11 (Q15/11) on Counterfeit ICT Equipment**
- 2. Directions to Q15/11 from WTSA-16**
- 3. Council 2018**
- 4. On-going work: Q15/11**
- 5. New Directions - Decisions of WTSA-16**

Q15/11

- ❑ Question 15 of ITU-T Study Group 11 (Q15/11) focused on the development of recommendations and technical reports on combating counterfeit ICT equipment.
- ❑ Q15 has developed TR on Counterfeit ICT Devices and Published by ITU
- ❑ A number of new work items have been established.



**DIRECTION TO Q15/11 FROM
WTSA-16**



Resolution 2 of WTSA-16 – SGs responsibility and mandates

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

AREAS OF STUDY OF ITU-T SG11: studies to **combat counterfeiting products** including telecommunication/ICT and **mobile device theft**

■ **Q15/11 Questions:**

- ❑ What technical reports are needed to **raise awareness** of the problem of counterfeiting of ICT equipment and the dangers they pose?
- ❑ Can **Conformity and interoperability** testing and assessment schemes be used to combat counterfeit ICT equipment?
- ❑ What **technologies may be used** as a tool for combating counterfeit, tampered and stolen ICT equipment?
- ❑ What **identity management frameworks** are appropriate to combat counterfeit and stolen ICT equipment with their identity modified?
- ❑ What kind of **Recommendations, technical reports and guidelines** should be developed to combat ICT **counterfeiting**, tampering, modification and/or duplication of unique device identifiers?
- ❑ What kind of **Recommendations, frameworks, technical reports and guidelines** should be **developed** to assist ITU Members, in cooperation with ITU-D Sector, on combating counterfeit and mitigate the use of **stolen** ICT equipment?
- ❑ What ITU Recommendations are required to **secure the supply chain management** (from manufacturing, importation, distribution and marketing) to ensure traceability, security, privacy and trust of people, products and networks?

Resolution 2 of WTSA-16 – SGs responsibility and mandates

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

AREAS OF STUDY OF ITU-T SG11: studies to **combat counterfeiting products**
including telecommunication/ICT and **mobile device theft**

■ **Q15/11 Task:**

- ❑ **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

Resolution 97 of WTSA-16 - Combat mobile device theft

Instructs ITU-T Study Groups 11, within their mandate:

- ❑ Developing **Recommendations, technical reports and guidelines** to address the problem of counterfeit and tampered ICT equipment
- ❑ Collect, analyze and **exchange information** about counterfeiting and tampering practices
- ❑ Study existing as well as **new reliable, unique, persistent and secure identifiers** that have the potential to be used in combating counterfeit and tampered products, including the context of their **possible duplication/cloning**
- ❑ Develop methods of **assessing and verifying identifiers** used for purposes of combating counterfeit production
- ❑ Develop mechanisms as appropriate for identifying products, unique identifiers that are **resistant to duplication and respond to confidentiality/security** requirements
- ❑ Study possible solutions, including **frameworks to discover identity management** information, that could support combating of counterfeit and tampered ICT devices
- ❑ Identify **a list of technologies/products**, used for testing conformance with ITU-T Recommendations, in order to help in efforts to combat counterfeit ICT production

Resolution 96 of WTSA-16 - Combating counterfeit ICT devices

Instructs ITU-T Study Groups 11, within their mandate:

- ❑ Develop **Recommendations, technical reports and guidelines** to address the problem of mobile telecommunication device theft and its negative effects
- ❑ Study any possible solutions to combat the use of stolen mobile telecommunication devices with **tampered (changed without authorization) identities** and to prevent them from accessing the mobile network
- ❑ Study **any technologies that can be used** as a tool for combating mobile telecommunication device theft
- ❑ Draw up a **list of identifiers** used in mobile telecommunication/ICT device

COUNCIL -2018

- Decision of Council-18 (C18/107, clause 2), *ITU, in particular TSB, should be studying the questions raised by members on IMEI security in one of the ITU-T study groups.*
- Council-18 report (C18/107) requested *"ITU-T study groups, in particular Study Group 11, to continue to develop Recommendations, technical reports and guidelines to address the problems posed by counterfeits".*



Updates on Activities of Q15/11

Ongoing work

- ❑ Draft Recommendation Q.DEV DUI “Addressing ICT mobile devices with duplicate unique identifiers”
- ❑ Draft Recommendation Q.FW_CSM “Framework for Combating the use of Stolen Mobile ICT Devices”
- ❑ Draft Technical Report TR-CF_BP “Technical Report - Guidelines on Best Practice and Solutions for Combating Counterfeit ICT Devices”
- ❑ Draft Recommendation TR-CF-QoS “Impact of Counterfeit Mobile devices on Quality of Service”
- ❑ Draft Recommendation TR-RLB-IMEI “Reliability of IMEI”

Outcomes of SG11 (March 2019) Meeting on Counterfeit

- **One draft Recommendation have been approved**
 - **Q.FW_CCF “Framework for solution to combat counterfeit ICT Devices”**
- **Good progress made on the following ongoing work items:**
 - **ITU-T Q.FW_CSM: Framework for Combating the use of Stolen Mobile ICT Devices (e-meeting, October 2018)**
 - **ITU-T TR-BP_CF: Technical Report - Guidelines on Best Practice and Solutions for Combating Counterfeit ICT Devices**

Outgoing Liaison Statements (March 2019) Meeting on Counterfeit

- Impact of Counterfeit Mobile devices on Quality of Service to ITU-D SG2 and ITU-T SG12
- Creation of New Work Item on 'Reliability of IMEI identifier' to ITU-D SG2, ITU-T SG2, ITU-T SG 12, ITU-T SG17, 3GPP, GSMA
- Updates to the Technical Report on the Combat of Counterfeit Devices to ITU-D SG2 (Q4/2)
- Advances on the combat of counterfeit and stolen ICT devices to APT, ATU, CEPT, CITELE, LAS, RCC



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**THANK
YOU**