

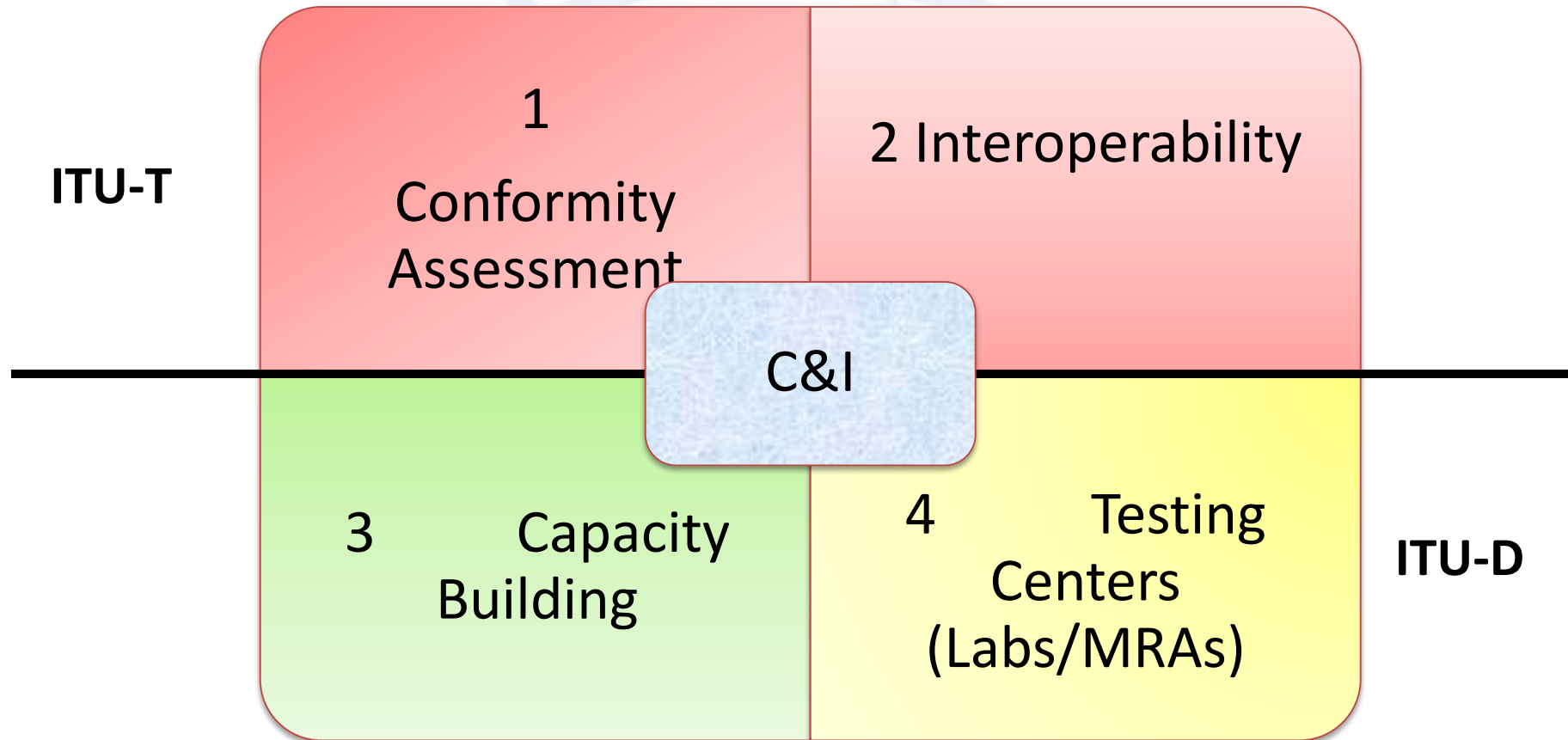
**FORMATION SUR LA CONFORMITÉ ET L'INTEROPÉRABILITÉ C&I POUR
L'AGENCE DE REGULATION DE MAURITANIE
Nouakchott 17-19 décembre**

ITU C&I Programme

Presenter :Slaheddine MAAREF
slaheddine.maaref@itu.int



The ITU C&I Programme is based on 4 pillars



ITU C&I Programme: Pillars 1 and 2

C & I

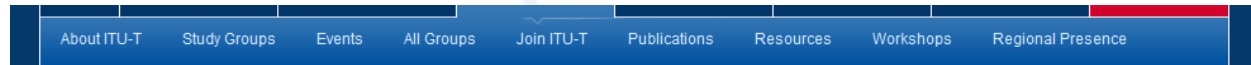


Pillar 1 as defined in Resolution 177 (ITU PP-14)

- “Instructs the Director of the TSB:
 - to continue to carry out pilot projects for conformity to ITU-T Recommendations to increase the probability of interoperability**
 - to enhance and improve standards-setting processes in order to improve interoperability through conformity”****
- “Invited the Membership to populate the informative pilot conformity database with details of products tested to applicable ITU-T recommendations”**



ITU Product Database



Product Conformity Database

YOU ARE HERE HOME > ITU-T > ITU CONFORMITY AND INTEROPERABILITY > PRODUCT CONFORMITY DATABASE

SHARE

DISCLAIMER: This database is not certified to be either accurate or complete, but only reflects the information that has been communicated to the ITU secretariat. The ITU secretariat has not verified the veracity or accuracy of such information, nor the relevance of the products to ITU Recommendations

E-Health Devices Mobile Phones

Product	Company	Model Number	Conformity to ITU-T Recommendation
Austonio Application for Android	Intel	Asus Memo Pad 8	ITU-T H.810 (2013-12)
Digital Thermometer	A & D Medical	UT-201BLE	ITU-T H.810 (2013-12)
Digital Blood Pressure Monitor	A & D Medical	UA-651BLE as Type A	ITU-T H.810 (2013-12)
Energy Smart Blood pressure monitor	IDT	BPU321 (as Type A)	ITU-T H.810 (2013-12)
Accu-Chek Active GB	Roche	GB revision 2	ITU-T H.810 (2013-12)
NTT Docomo - Mobile phone HDP manager platform, Android mobile phone	Fujitsu Limited	F-04G	ITU-T H.810 (2013-12)
Manager Platform for Android	Sharp	SHARP Manager Platform	ITU-T H.810 (2013-12)
Precision Health Scale	A & D Medical	UC-352BLE	ITU-T H.810 (2013-12)
A&D Digital Weighing Scale (with Body Composition Analyzer)	A & D Medical	UC-411PBT-C as Type D, AD-6209PBT-C, UC-355PBT-Ci, UC-351PBT-Ci and UC-325PBT-Ci as Type U.	ITU-T H.810 (2013-12)
Bosch Blood Pressure Monitor	Robert Bosch Healthcare GmbH	BP5000 BT	ITU-T H.810 (2013-12)
SHARP HDP Manager Platform for Android (XN-DLBT40)	Sharp	XN-DLBT40 (SH-01F) as Type D, SHL23, 302SH, SH-01F DRAGON QUEST, DM016SH and SH-02F, 303SH, SHT22 and SHL24 as Type U.	ITU-T H.810 (2013-12)
SHARP HDP Manager Platform for Android	Sharp	SH-02F, 303SH, SHT22 and SHL24 as Type U.	ITU-T H.810 (2013-12)

Launched in Dec 2014

Current entries

- E-health devices: 79
- Mobile phones: 7

Mobile phones are also captured in a “white list”



Pillar 2 – Interoperability Events



Objectives

- To test interoperability of products from different vendors
- To validate different implementations of standard, and feedback to standard-making
- To accelerate the development phases of technology as well as the standard-making process
- To showcase/promote products with demonstrated interoperability at the ITU events
- To organize other test events upon request from ITU members (e.g. performance assessment of mobile phones, conformance testing of e-health devices, etc.)

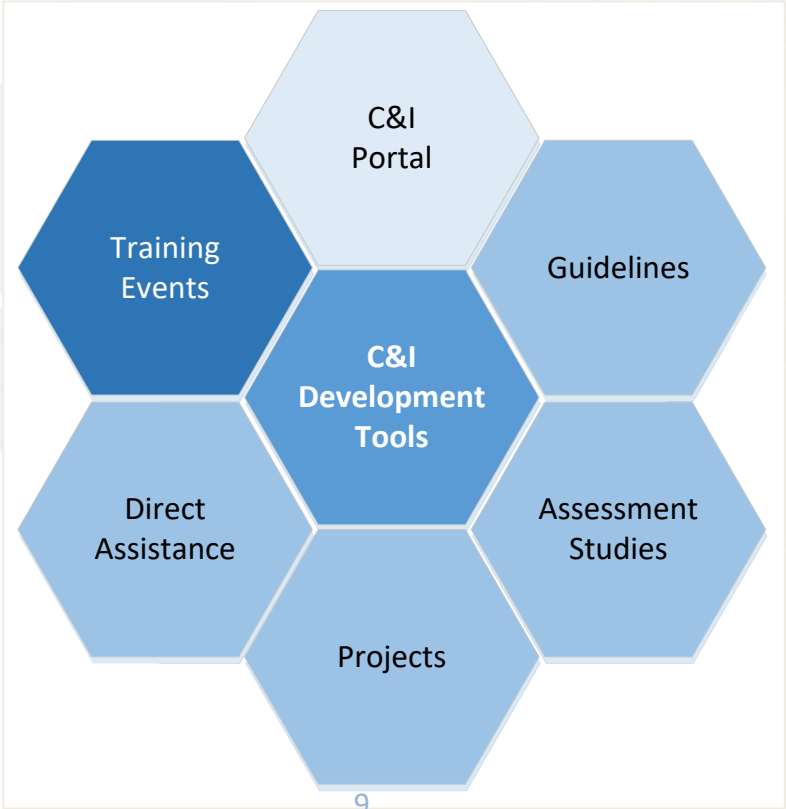


IMPLEMENTATION OF ITU C&I PROGRAMME

Telecommunication Development Sector

PILLARS 3 & 4

Capacity Building and Assistance



Pillar 3 – Capacity Building

ITU Trainings on Conformity and Interoperability

- MoUs signed with Testing Centers in the Regions to promote human capacity building in real testing laboratories
- Objectives: Enhance knowledge; increase awareness; promote experience-sharing, present practical learning on standards, regulations, real lab experience and accreditation procedures
- Lectures on C&I Regimes (e.g. Regulatory framework, market surveillance); and C&I Testing Domains (e.g. mobile, EMC, broadband, and NGN)



Conformity and Interoperability Training for the African Region

YOU ARE HERE [HOME](#) > [ITU-D](#) > [TECHNOLOGY & NETWORK DEVELOPMENT](#) > [CONFORMITY AND INTEROPERABILITY TRAINING FOR THE AFRICAN REGION](#)

Conformity and Interoperability Training for the African Region - "Regulatory framework and practical EMC tests including creation of basic lab facilities"
Tunis (Tunisia), 30 April-4 May 2018

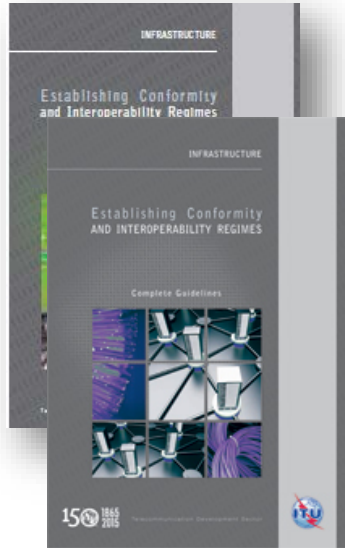
DOCUMENTS AND REFERENCES

Invitation letter: [English](#) - [French](#)
[Draft Agenda](#)
[Registration form](#)
[Fellowship request form](#)
Information note: [English](#) - [French](#)
[Training Material & Presentations](#)
References: [C&I Guidelines](#)

CONTACTS

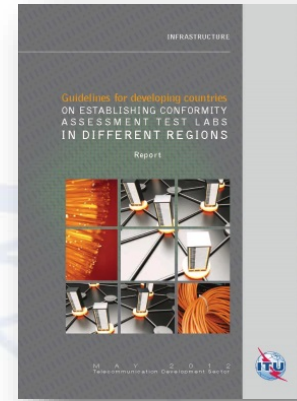
- Ms Chali Tumelo: chali.tumelo@itu.int
- Mr Vladimir Daigele: vladimir.daigele@itu.int

ITU C&I Guidelines



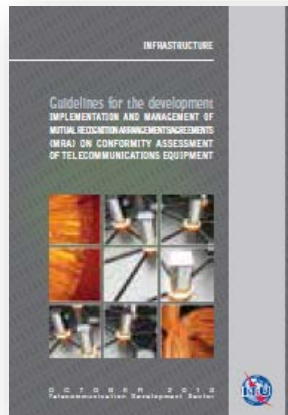
Establishing Conformity and Interoperability Regimes – Basic Guidelines (2014) and Complete Guidelines (2015)

These Guidelines address challenges faced by developing countries as they plan and review their own C&I regimes. Aspects covered by this publication include, inter alia, conformity assessment procedures; legislation to promote an orderly equipment marketplace; surveillance; coordination across regulatory agencies; and relevant international standards.



Guidelines for developing countries on Establishing Conformity assessment Test Labs in Different Regions (2012)

This set of guidelines is the first publication on C&I, its valuable content includes information concerning: The process required for building testing labs; A site analysis (e.g. existing testing labs, know-how); Collaboration mechanisms; Best practices; Reference standards and ITU Recommendations



Guidelines for the Development, Implementation and Management of Mutual Recognition Arrangements/Agreements on Conformity Assessment (2013)

These guidelines promote the understanding and establishment of Mutual Recognition Agreements (MRAs) on conformity assessment that are intended to promote efficiency and resource sharing as well as to streamline the flow of products among participating Parties such as ITU Member States and private sector organizations, such as testing laboratories



Feasibility Study for the establishment of a Conformance Testing Centre (2013)

This feasibility study describes environments, procedures and methodologies to be adopted to establish, manage and maintain a testing center covering different kinds of conformance and interoperability testing areas

Two New Guidelines under Preparation – IoT Labs and Virtual Labs



C&I Regional Assessment Studies

Introduction

- C&I Assessment Studies looks for promoting the establishment of Harmonized C&I Programmes
- Improve **regional integration**
- Stimulating common standards
- Sharing of C&I infrastructure

Activities and Goals

- Assessment of C&I infrastructure in regions/sub-regions/countries are being assessed
- Close collaboration with regional experts
- Setup of a robust framework (base on international procedures – ITU, ISO, IAF, ILAC, etc.)
- Search of innovative tools to be applied on the field

Maghreb (2015/2016)



The Caribbean - CTU (2014-2016-2017)



EAC Countries (2015)



COMTELCA (2015/2016)



South America (2017)

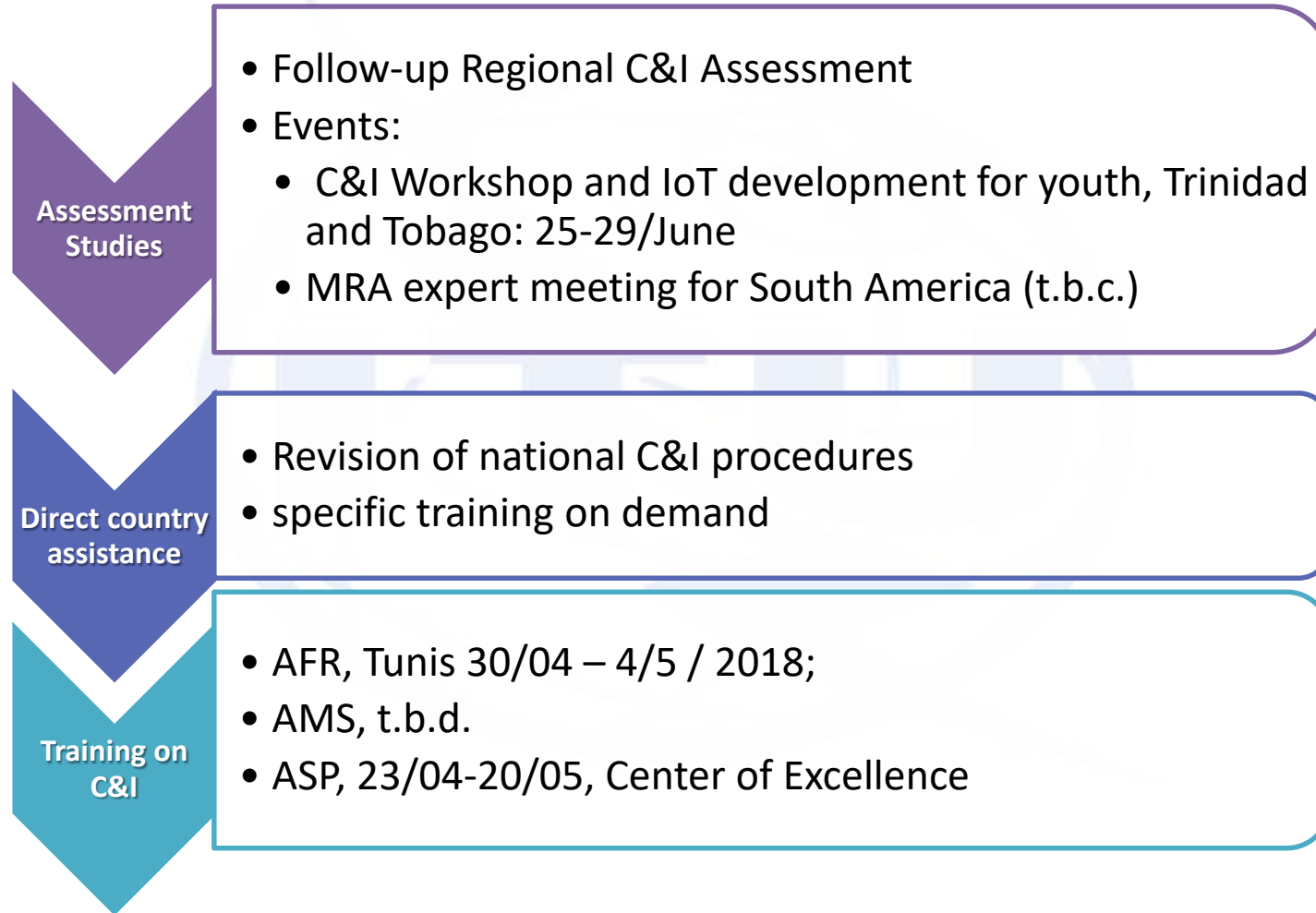


SADC Region (2014/2015)



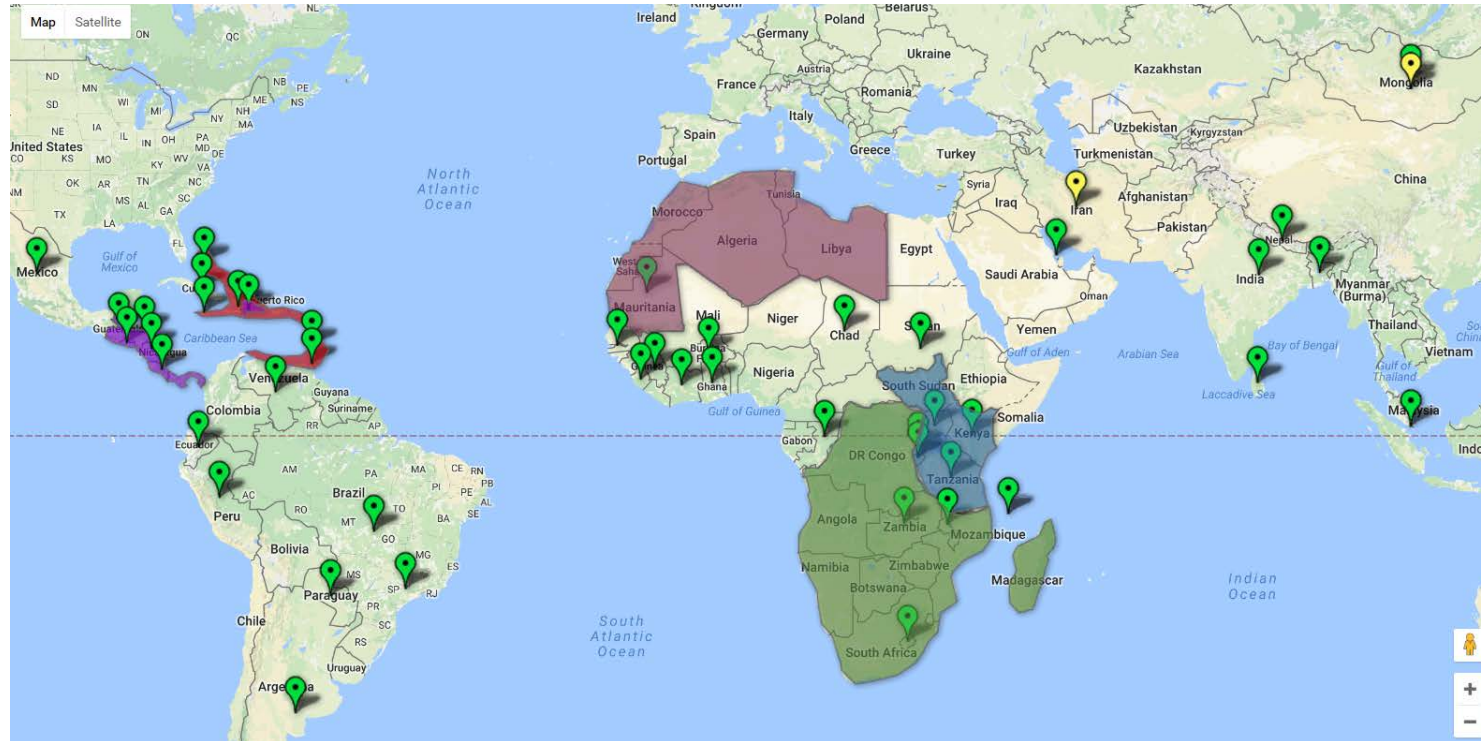
http://itu.int/go/CI_Assessment_Studies

C&I Activities on Training and Assistance - 2018



https://itu.int/go/CI_Events

C&I Activities Summary



- Training provided in real testing facilities through the collaboration with laboratory partners within the C&I Programme
- 5 Regions have received ITU C&I Assessment Studies
- Assistance provided to countries on demand
- More than 50 Case Studies/Country Reports are available through the ITU C&I Portal



WTDC-17 DECISIONS RELATED TO C&I

WTDC-17 Outcomes on C&I

- **Action Plan – C&I, combat counterfeit equipment, mobile theft**
 - Buenos Aires Declaration: recognizing: that widespread conformance and interoperability of telecommunication/ICT equipment and systems through the implementation of relevant programmes, policies and decisions can increase market opportunities, competitiveness and reliability as well as encouraging global integration and trade;
 - Output 2.1
- **Revised Resolution 47**
 - New scope – counterfeit and mobile theft
- **Revised Question 4/2**
 - IoT impact on C&I; Counterfeit; Mobile theft; C&I contributions to SDGs; knowledge transfer and human capacity



SG Question Q4/2

Tasks

	Description	items
T1	Identify critical/priority issues in countries, subregions or regions, and related best practices. Collaboration with BDT Programmes to identify and assess challenges, problems and priorities and related ITU-T Recommendations on C&I	2.1 2.2
T2	Exam of information transfer, know-how and training	2.3
T3	Elaboration of methodology for the implementation of the question	2.4
T4	Promotion of Harmonized C&I regimes, regional integration and contribution to bridging the standardization gap	2.5
T5	Guidelines on Mutual Recognition Agreements (MRA)	2.6
T6	Techniques on Market Surveillance and maintenance of C&I Regimes	2.7
T7	IoT impact to C&I and ICT-readiness	2.8
T8	Techniques on national experiences on combating counterfeit, sub-standard, and tampered devices	2.9

SG Question Q4/2

Expected Outputs

C&I programmes

- a) Review of guidelines and best practices on technical, legal and regulatory aspects of a C&I regime
- b) Feasibility studies regarding the establishment of laboratories in different C&I domains
- c) Guidance on the framework and procedures for establishing technical collaboration on C&I and sharing of resources
- d) Questionnaire to collect and update the database of current status of C&I regimes established at national, regional or global levels
- e) Development of a methodology for assessing the status of C&I regimes in place in the regions (or subregions)
- f) Experience-sharing and case study reports on implementation of C&I programmes focusing on efficient and affordable methods to improve the level of conformity.

Combating counterfeit ICT equipment

- g) Best practices and guidelines, including methodologies to combat counterfeit ICT equipment.

Mobile device theft

- h) Experience-sharing and case-study reports on combating mobile device theft.

SG Question Q4/2

- 1st meeting outcomes (10/05/2018)
 - Work Plan
 - Draft Table of Contents
 - Proposals for future workshops on C&I, counterfeit, and mobile theft

More information: <http://itu.int/go/Q4/2>



Merci