ITU Forum on Conformance and Interoperability for the Arab and African regions
Tunis, Tunisia, 5-7 November 2012

ITU C&I Action Plan and MOUs

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Content

ITU C&I Action plan
- **KPMG business plan**
- **Action plan: Council-12 and TSAG**
- **TSB and BDT actions to achieve goals of C&I action plan**

MoU under C&I programme
- **The definition of MoU and practice of usages**
- **Reasons of MoU for ITU C&I programme**
- **Signed ITU MoU with partners under C&I programme**

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The present ICT Market state

- **Increasing number of ICT vendors (software plays the main role in telecommunications)**

- **Reducing the period of the development and implementation of new technologies and services (customer's timely market observation is very complicated – digital GAP will be increased)**

- **Lack of global standards - high probability of increasing barriers of trade**

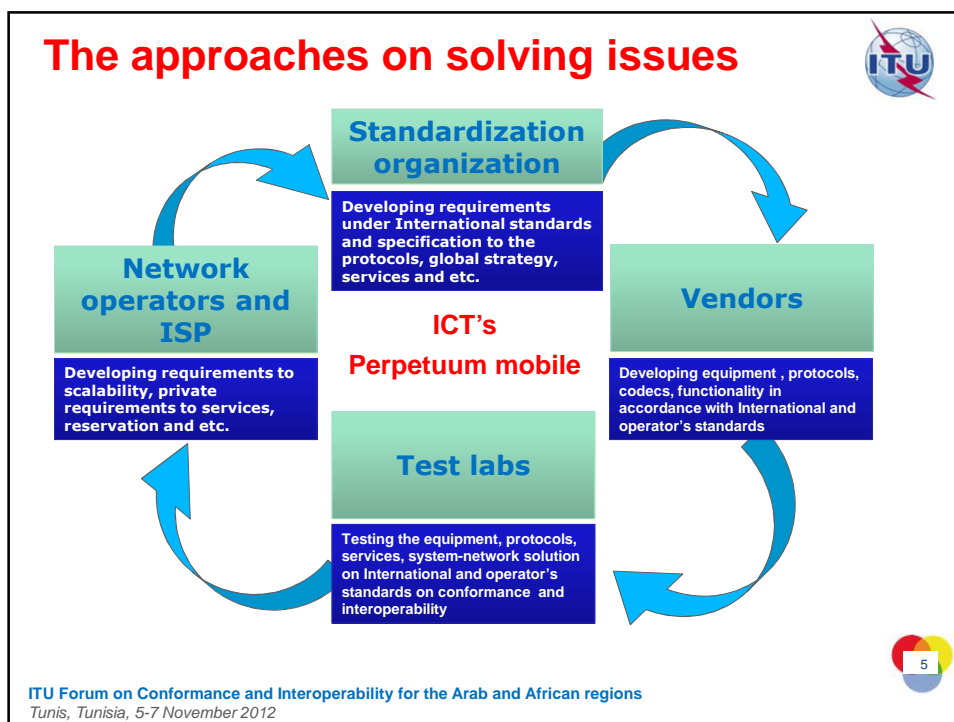- **The increasing probability of incompatibility of equipment from different vendors**

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3

ITU C&I Action plan

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4

The approaches on solving issues

Standardization organization

Developing requirements under International standards and specification to the protocols, global strategy, services and etc.

ICT's Perpetuum mobile

Network operators and ISP

Developing requirements to scalability, private requirements to services, reservation and etc.

Vendors

Developing equipment , protocols, codecs, functionality in accordance with International and operator's standards

Test labs

Testing the equipment, protocols, services, system-network solution on International and operator's standards on conformance and interoperability

5

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ITU role

"The conformity to standards and interoperability of international telecommunication networks was the main reasons to create ITU in the year 1865 (International Telegraph Union), and that this remains one of the main goals in the ITU strategic plan"

6

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ITU business plan

Conformity and Interoperability Programme implementation in ITU
ITU PP-10 (Res.177). Tender was issued after Council-11 (INF/14)

The main reasons of implementation of ITU C&I Programme were:

- **towards knowledge and capacity enhancement in C&I activity worldwide**
- **better usages of ICT equipment in developing countries**
- **creating higher corporate incomes which enable more investment, in turn generating better communications**
- **beginning of a virtuous development circle, in which the returns on members' investment are found in every facet of ITU's mandate**
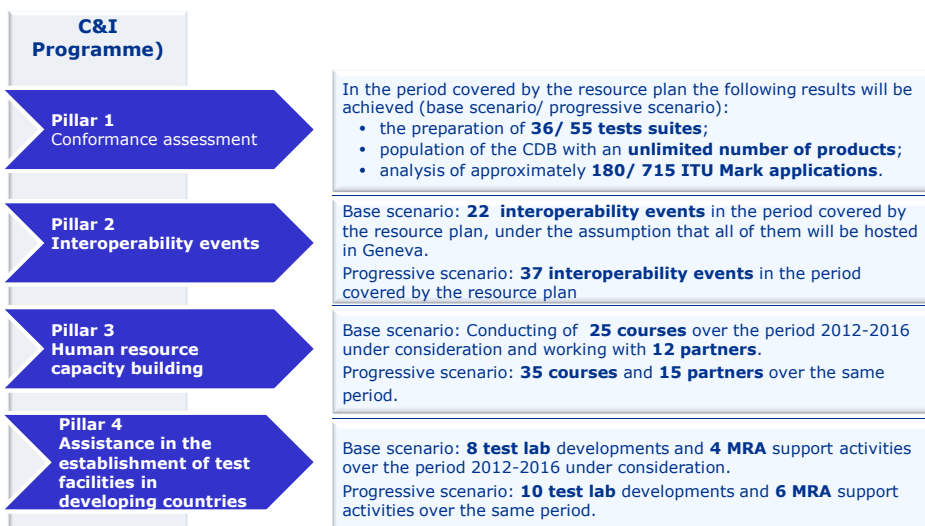
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7

KPMG business plan
Expected results of C&I Programme

C&I Programme)

Pillar 1
Conformance assessment

In the period covered by the resource plan the following results will be achieved (base scenario/ progressive scenario):
- the preparation of **36/ 55 tests suites**;
- population of the CDB with an **unlimited number of products**;
- analysis of approximately **180/ 715 ITU Mark applications**.

Pillar 2
Interoperability events

Base scenario: **22 interoperability events** in the period covered by the resource plan, under the assumption that all of them will be hosted in Geneva.
Progressive scenario: **37 interoperability events** in the period covered by the resource plan

Pillar 3
Human resource capacity building

Base scenario: Conducting of **25 courses** over the period 2012-2016 under consideration and working with **12 partners**.
Progressive scenario: **35 courses** and **15 partners** over the same period.

Pillar 4
Assistance in the establishment of test facilities in developing countries

Base scenario: **8 test lab** developments and **4 MRA** support activities over the period 2012-2016 under consideration.
Progressive scenario: **10 test lab** developments and **6 MRA** support activities over the same period.

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8

Main General Conclusions of business plan

1. **The budget (2012-2016) CHF 5-8 million**

2. **Simultaneously implementation** of pillars

3. **ITU should involve the 3-rd party to undertake a market study**

4. **ITU succession plan required (ACTION PLAN)**

5. **Strong communications effort** for well supporting of C&I by all stakeholders

6. **Involving the ITU Regional Offices**

7. **Development of a formal partnership strategy**

8. **The C&I Programme Business Plan is a "living document"**

9

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Key advantages of C&I Programme

Conformance Assessment

✓ **Test specifications development ensures coverage of required standards or part thereof (sensitive to interoperability)**
✓ **Mutual Recognition Agreements diminishes need for multiple testing**
✓ **ITU Conformity Database may help users in selecting products according to the conformity assessment procedure adopted**

Interoperability events

✓ **ITU as a strategic player in interoperability support**
✓ **Standards quality improvement (standards verification on feedback of events)**
✓ **Effective support to interoperability (logistic and hosting)**

Human Capacity Building

✓ **Distributing knwoledge of C&I activities for bridging the digital divide**
✓ **Promoting C&I in the world ITC community**

Test facility development

✓ **The use of MRAs, sub-regional labs or ITTC provides flexibility, reduce technical barriers to trade and saves costs**
✓ **ITU regional representation strengthens regional interest**

10

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Action Plan (Council-12)

Pillar 1 – Conformity Assessment (1/2)

- **ITU-T works in collaboration with SDOs**

- **Conformity and Interoperability section as part of all required Recommendations**

- **ITU-T considered to postpone of route 4 (self-declaration SDoC)**

- **ITU-T to run a pilot of the conformity assessment programme for key technologies**

- **ITU-T study groups to identify further technologies for which there is a market demand for a conformity assessment programme**

11

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Action Plan (Council-12)

Pillar 1 – Conformity Assessment (2/2)

- **Test specifications to be possibly developed in a no-cost approach**

- **TSB to produce a report on measures against counterfeiting**

- **Assisting in developing a suite of tools to promote conformity assessment aimed at achieving interoperability**

- **Strengthen relationship with ILAC/IAF/IECEE**

- **ITU Mark: postponed until Pillar 1 has reached**

12

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Action Plan (Council-12)

Pillar 2 – ITU Interop

- **Study groups should clearly define interoperability requirements**

- **Study groups to develop system roadmaps**, **identify and define the interfaces across which interoperability is needed**

- **TSB to consult study groups to identify areas to organize future interoperability events**

13

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Action Plan (Council-12)

Pillar 3 – Capacity building

- **BDT, in collaboration with TSB, to continue to offer C&I training courses for testing key technologies**

- **BDT in cooperation with TSB to train technical staff and policy makers**

14

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Action Plan (Council-12)

Pillar 4 – Creation of test labs in the regions

- **Establishment of an appropriate conformity and interoperability regime in developing countries**

- **To Create a network-like test centres in the regions**

- **Establishment, when possible, of MRAs (Mutual Recognition Agreements) to be discussed at regional and sub-regional levels**

15

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Risks To Act

- **Resources to**
  - **manage the conformity database**
  - **Study Groups to develop test suites**
  - **Negotiate for partnerships and organization of "interop events"**

- Ability to effectively create needed expertise/capacity and *test labs in developing countries* in a timely way

Risks Not to Act

- *Concerns* from developing countries remain *unaddressed* and a *fundamental ITU mission* goal will be missed

- Members could go to *competitive SDOs*

- Continue the *erosion of the ITU's position* due to lack of the essential C&I elements in its program

16

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TSB Actions
for achieving goals of Action plan

Establishment of the criteria for recognizing entities willing to participate in C&I Programme
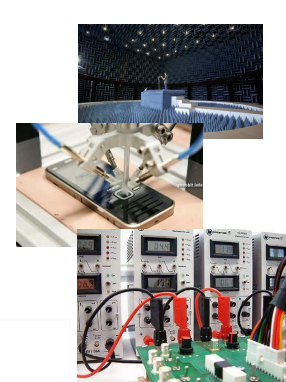
TL/CB/CAB/Vendor

ICT community

SDOs, Operators, Regulators

Organizing direct works with ITU-T SGs

**ITU
C&I Programme**

ICT market analysis (Technologies Radar)

19

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To run up the Cooperation Agreement (MoU) with testing laboratories, CABs and CBs

Preparation of Report of counterfeit equipment

20

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Developing systems/solutions roadmaps and identify the interfaces across which interoperability is sensitive

Preparation of the Interoperability events, including customization of services

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21

BDT Actions
for achieving goals of Action plan

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22

Pillar 3 – Capacity building

- **Preparation and organizing in joint cooperation BDT-TSB the C&I training courses. The 2013 plans including following events**

  - **Training on Conformance and Interoperability for ASP and CIS Regions (Quarter 1/2013)**

  - **Training on Conformance and Interoperability for Arab and Africa Regions (Quarter 3/2013)**

  - **Training on Conformance and Interoperability for AMS Region (Quarter 3/2013)**

- **Involving ITU Regional Offices to play the active role for identify the right partners in the field and for organizing such training activities under C&I Programme**

23

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Pillar 4 – Creation of test labs in the Regions

- **Providing C&I activity in Regions - collaboration with Regional and Subregional Organizations for establishing a common C&I Regime and Mutual Recognition Arrangements**

- **Preparation the Guidelines on establishing Conformity Assessment Test Labs and Regimes in different Regions**

- **Preparation the Guidelines for the development, implementation and management of Mutual Recognition Agreements (MRAs)**

- **Initiate a pilot project for the development of a regional test facility**

24

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MoU under C&I programme

Definition

A memorandum of understanding (MoU) is a document describing a bilateral or multilateral agreement between parties. It expresses a convergence of will between the parties, indicating an intended common line of action *(wikipedia)*

The basic Structure of MoU

1. **Parties considering that**
2. **Objective of collaboration**
3. **Areas of cooperation**
4. **Cooperation Mechanism between the Parties**
5. **Duration and termination**
6. **Contact person**

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MoU under C&I programme

The major reasons of ITU MoU in C&I Programme for ICT players

✓ **To raise awareness about the role of ICTs in social life**

✓ **Promotion and implementation of ITU's C&I Programme**

✓ **Evaluation and/or creation of test suites for products implemented according to ITU Recommendations**

✓ **Participation in ITU interoperability events**

✓ **Assistance to requesting countries in the establishment of national accreditation conformity assessment**

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ILAC/IAF MoU

Interoperability (C&I) Program to implement conformity assessment according to international ISO/IEC standards and the creation of test centres in regions

The purpose of ILAC MRAs and IAF MLAs to:
- **encourage consumer confidence in tested products**
- **increase market opportunities**
- **encourage trade and technology transfer, and**
- **contribute to the removal of technical barriers to trade**

The MoU will extend the reach of all three organizations in the field of ICTs and will contribute to ensure that ITU standards translate into international ICT interoperability

29

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Test Lab MoU (1/2)

✓ **Technical assistance and advise, seminars, workshops and training activities (next generation networks, network quality of service and engineering, electromagnetic compatibility, safety of electronic communication devices, interoperability, accreditation conformity assessment and certification of ICTs products)**

✓ **Awareness about the role of ICTs in stimulating social and economic growth and development**

✓ **Participation of Test Lab in the implementation of ITU Regional Initiatives**

✓ **Cooperation on the promotion and implementation of ITU's C&I Programme, including capacity building and assistance in the establishment of regional test centres, in accordance with the Parties' respective policies**

30

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Test Lab MoU (2/2)

✓ **Cooperation in studies concerning evaluation and/or creation of test suites** for products implemented according to ITU Recommendations and/or their normative references

✓ **Participation in ITU interoperability events**

✓ **Collaboration to the development and updating of the information and facilities provided in the ITU C&I Portal including the population of the ITU Conformity products and test laboratories databases**

✓ **Cooperation with ITU in the assistance to requesting countries** in the establishment of national accreditation conformity assessment and certification schemes and provision of advice to national regulators.

✓ **Support the application of internationally recognized accreditation and conformity assessment procedures**

31

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International
Telecommunication
Union

Thank you for your attention !!!

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32

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