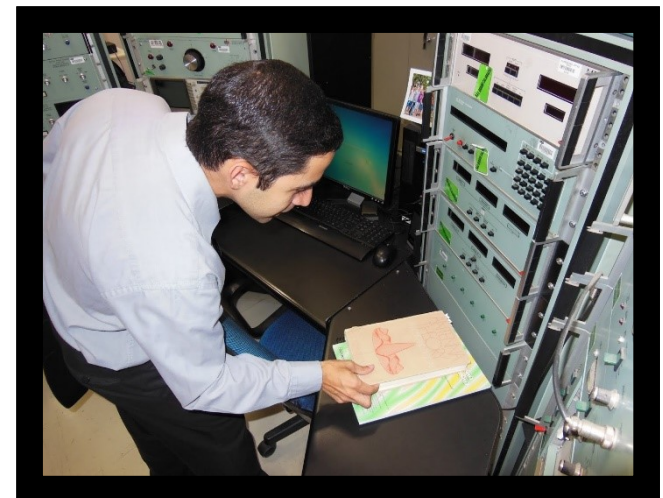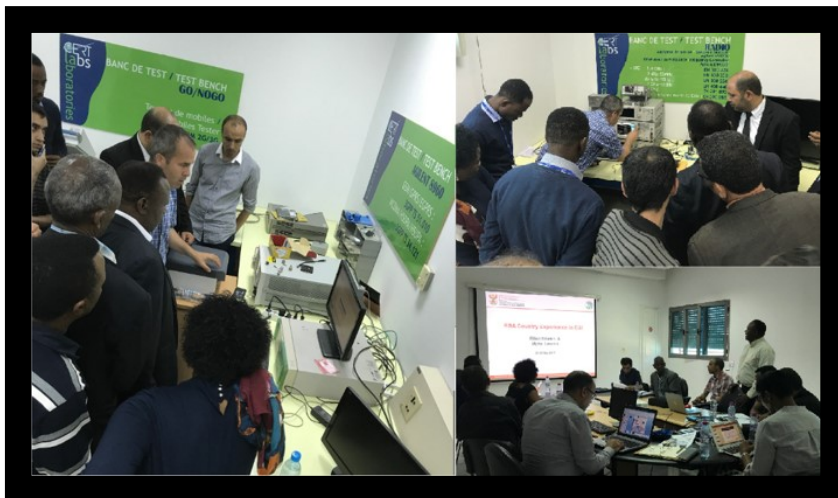# ITU Conformity and interoperability Training programme (CITP)

ITU actions on C&I for developing countries in recent years

- Developed Guidelines (based on recommendations) on different aspects of C&I.

- Conducted national assessments.

- Organized a large number of workshops and events on C&I
  (limited by available human resources and funding)

- Explored the possibility of creating testing labs. Even explored the idea of a virtual test lab.

- Developed draft MRA.

What are the needs and the ways [developing] countries behave in relation to C&I according to their technological standing? i) Producers; ii) Consumers; iii) Prosumers.

ITU Conformity and interoperability Training programme (CITP)

PP 14 – Resolution 177 – Conformance and Interoperability

to continue providing on-the-job capacity-building activities, in collaboration with recognized institutions and benefiting from the ITU Academy ecosystem, including activities related to preventing radiocommunication interference caused or received by ICT equipment.

Addressed problem

- Efficient running of C&I Programmes requires well educated professionals;

- Today there are no formal holistic C&I education programmes;

- Licensee and conformity managers must also have a clear understanding of legal and economic issues;

- Large institutions train staff on C&I by seconding them to experienced workers, but this offers narrowed vision and no formal quality check. At the same time, this is not possible in smaller institutions.
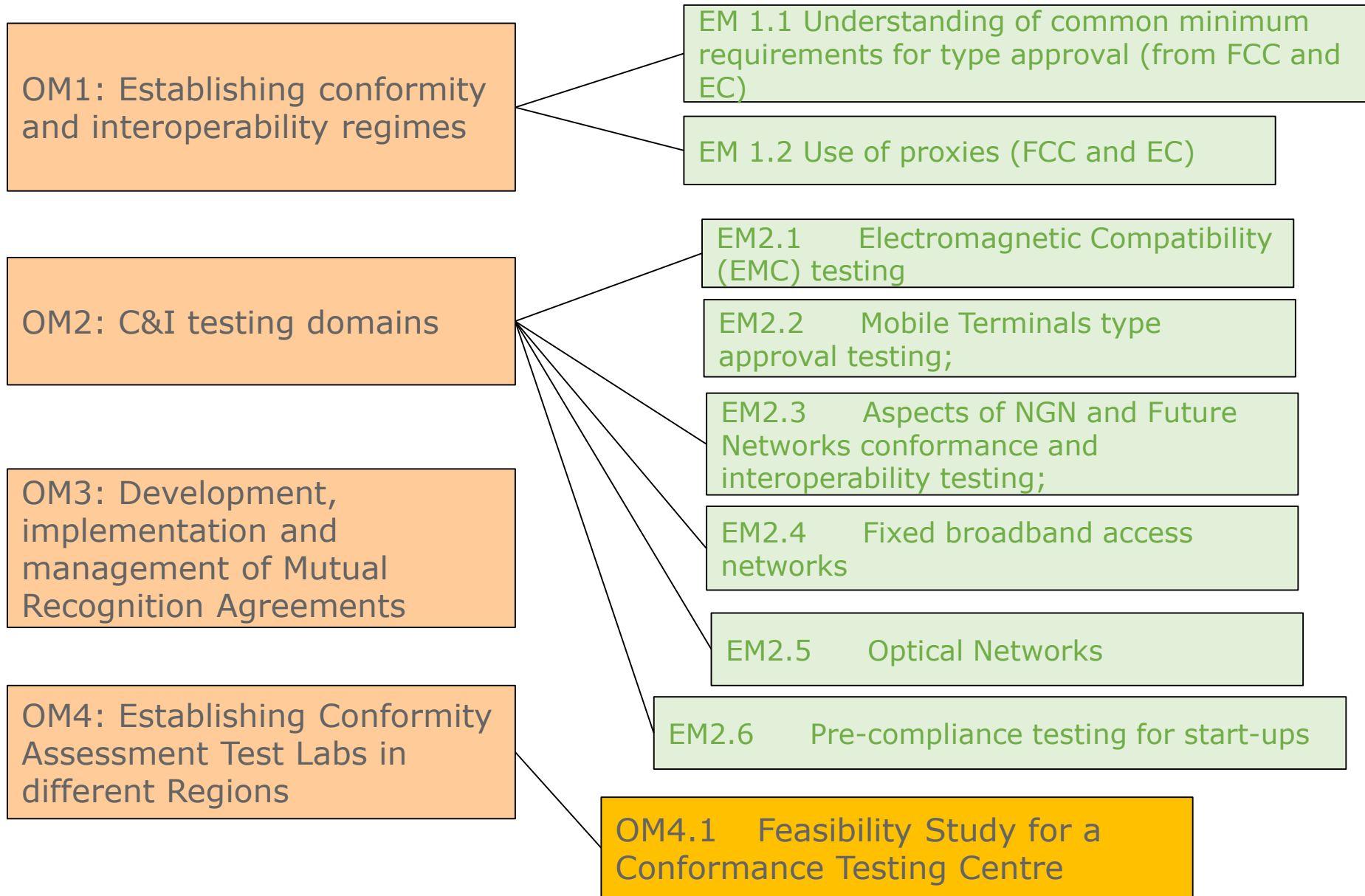
CITP - Programme

- CITP is following previous successful ITU training programmes, such as Regional Trainings on C&I Programmes and test domains

- Training materials based on ITU Publications on C&I, such as Guidelines and Recommendations

- Offers access to C&I training and forward-looking professional vision

- CITP follows **ITU Academy** quality assurance mechanism:
  - It is a full set of high-level materials prepared by high caliber subject-matter experts
  - Designed for anyone either a beginner or a specialist
  - Provides provision of certain level of knowledge
  - Provides possibility for different certification options

CITP Structure

OM1: Establishing conformity and interoperability regimes

- EM 1.1 Understanding of common minimum requirements for type approval (from FCC and EC)
- EM 1.2 Use of proxies (FCC and EC)

OM2: C&I testing domains

- EM2.1 Electromagnetic Compatibility (EMC) testing
- EM2.2 Mobile Terminals type approval testing;
- EM2.3 Aspects of NGN and Future Networks conformance and interoperability testing;
- EM2.4 Fixed broadband access networks
- EM2.5 Optical Networks
- EM2.6 Pre-compliance testing for start-ups

OM3: Development, implementation and management of Mutual Recognition Agreements

OM4: Establishing Conformity Assessment Test Labs in different Regions

- OM4.1 Feasibility Study for a Conformance Testing Centre

What has been done so far…

- Identification of trainers, partners
  - Always ongoing…

- Modules under production
  - OM 1 – C&I Regimes
    - EM 1.1 – global minimum requirements
    - EM 1.2 – global proxies
  - 2 – Testing domains
    - 2.2 - mobile
    - 2.6 – start-ups

- Module under peer-reviewing
  - 2.1 - EMC

Next steps - in brief

1. Identifying experts to produce/peer review the material.
   What ideas has this session about it?

2. Finalizing all training materials; peer-reviewing; post-production for publication

3. Continue discussions: with private sector and academic institutions for new material and CITP delivery options; and within ITU sectors

4. Upgrading the material to multimedia format;

5. Inviting all stakeholders to participate and benefit from CITP.

6. Increase awareness of C&I impact among policy decision makers.