Conformity and Interoperability Training for AFR Region

22-27 May 2017, Tunis, Tunisia

ITU Assessment Studies on Regions Basis: Experience from other Regions for establishing collaboration

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C&I Regional Assessment Studies

The C&I Assessment Studies looks for promoting the establishment of Harmonized C&I Programmes, when possible

It collaborates to improve **regional integration**

Promotes the availability of highly qualified institutions (such as Laboratories, Certification and Accreditation Bodies)

In an overall analysis, the Assessment Studies also contributes to:

- **The Bridging the Standardization Gap**,

- **reduce the Digital Divide, and**

- **as is inherited to ICT technologies development, strengthens business environment for global players**.

C&I Regional Assessement Studies Activities

- C&I infrastructure in regions/sub-regions/countries are being assessed

- Analysis of the status in the regions

- Looking for promoting regional agreements, e.g. possible locations for resources (Labs), agreements and testing capabilities

- Close collaboration with regional experts in addressing capacity building activities, accreditation and type approval testing.

- Moving forward to establishing regional test centers and/or MRAs as appropriate

C&I Regional Assessment Studies Roadmap

- Conformity Assessment Bodies contribute with an orderly telecom apparatus market place

- Once standards and procedures are in place, test labs and/or MRAs can approve equipment for compliance

- Sharing test labs resources and using same procedures amongst countries and regions, lowers overall costs while continues addressing regional priorities

- Setup of a robust framework (base on international procedures – ITU, ISO, IAF, ILAC, etc.) needed for trust and confidence in test results and among test labs

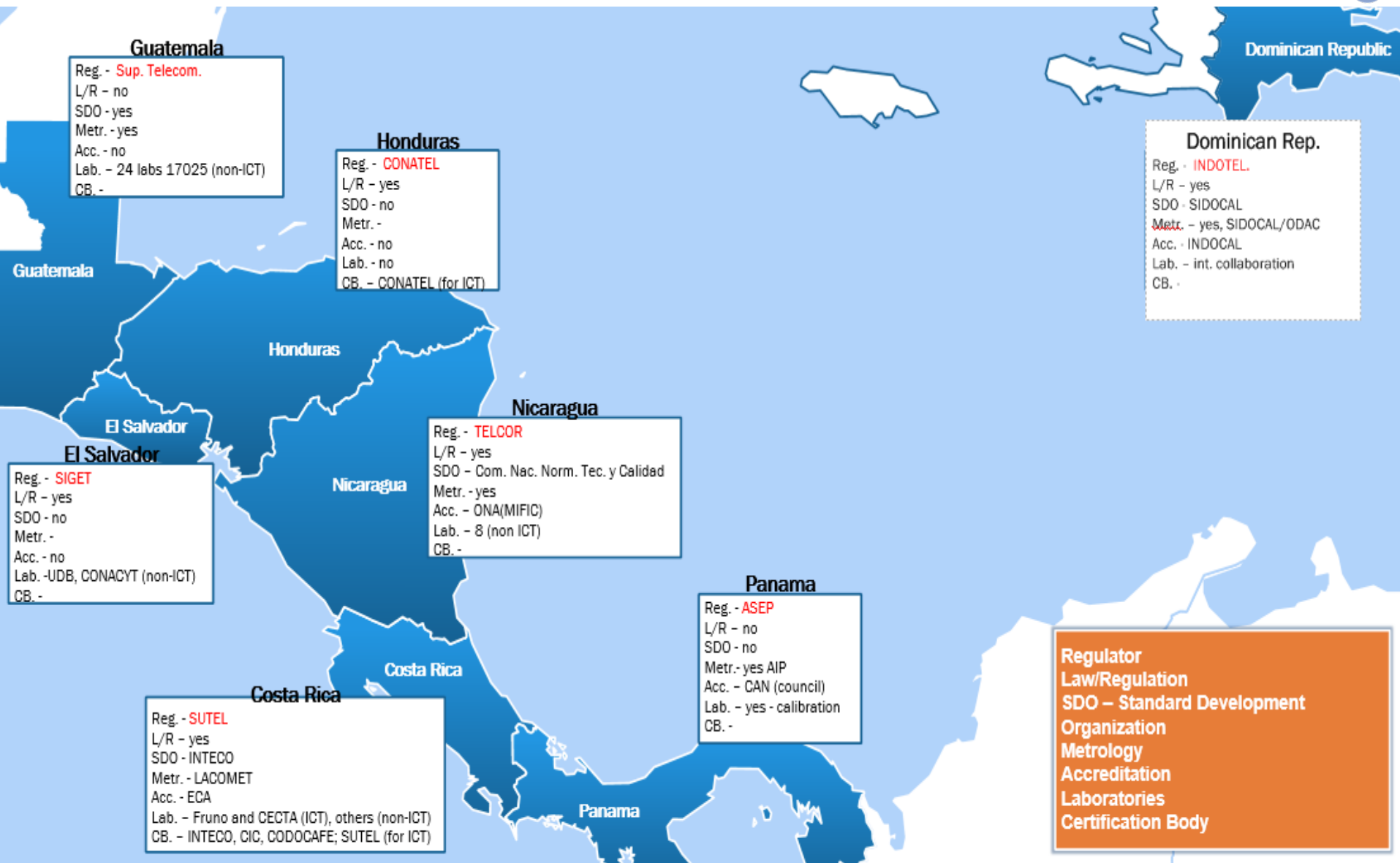- Regional Organization are being identified to lead and manage agreements

C&I Regional Assessment Studies

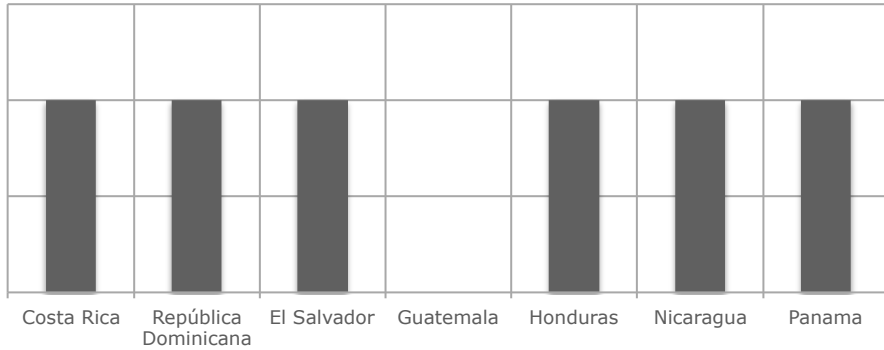# ITU Activities in collaboration with Regional Organizations

Methodology

- Data collection of relevant information to the complet understanding of legal and regulatory frameworks aiming at the proposal for a common C&I regime: Questionnaire

- Decision takers (ministers and regulators) and regional organization must participate since the beginning of the project
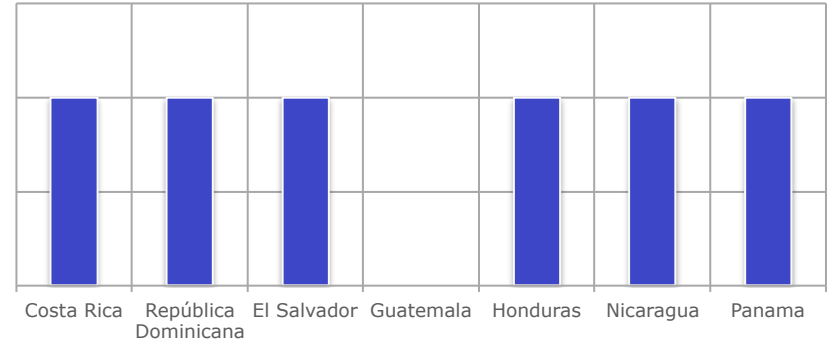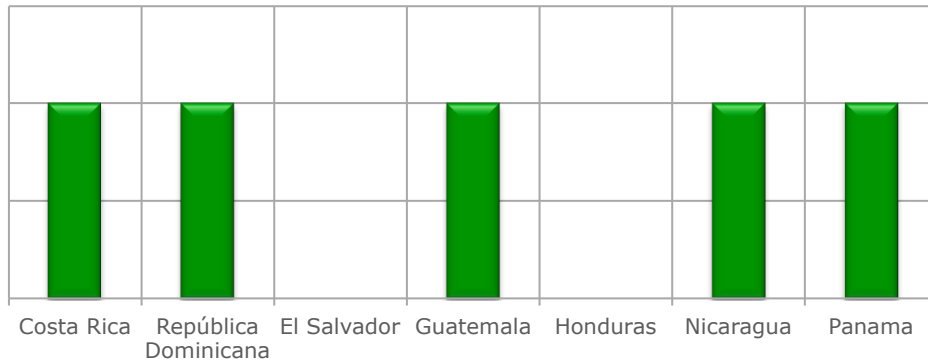
C&I Infrastructure Mapping

Guatemala
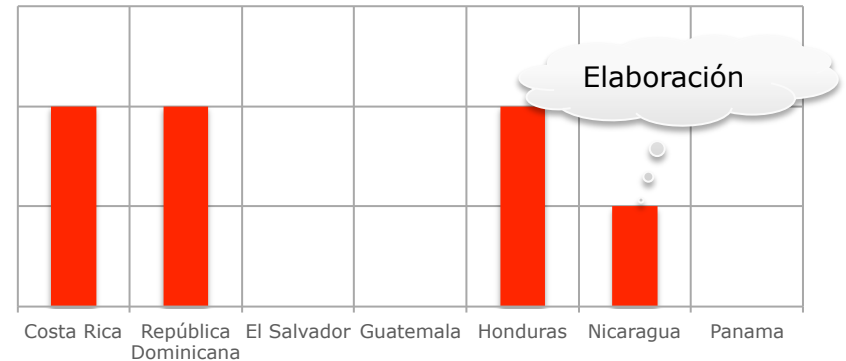Reg. - Sup. Telecom.
L/R – no
SDO - yes
Metr. - yes
Acc. - no
Lab. – 24 labs 17025 (non-ICT)
CB. -

Honduras
Reg. - CONATEL
L/R – yes
SDO - no
Metr. -
Acc. - no
Lab. - no
CB. – CONATEL (for ICT)

Dominican Rep.
Reg. - INDOTEL.
L/R – yes
SDO - SIDOCAL
Metr. – yes, SIDOCAL/ODAC
Acc. - INDOCAL
Lab. – int. collaboration
CB. -

El Salvador
Reg. - SIGET
L/R – yes
SDO - no
Metr. -
Acc. - no
Lab. -UDB, CONACYT (non-ICT)
CB. -

Nicaragua
Reg. - TELCOR
L/R – yes
SDO – Com. Nac. Norm. Tec. y Calidad
Metr. - yes
Acc. – ONA(MIFIC)
Lab. – 8 (non ICT)
CB. -

Panama
Reg. - ASEP
L/R – no
SDO - no
Metr.- yes AIP
Acc. – CAN (council)
Lab. – yes - calibration
CB. -

Costa Rica
Reg. - SUTEL
L/R – yes
SDO - INTECO
Metr. - LACOMET
Acc. - ECA
Lab. – Fruno and CECTA (ICT), others (non-ICT)
CB. – INTECO, CIC, CODOCAFE; SUTEL (for ICT)

Regulator
Law/Regulation
SDO – Standard Development Organization
Metrology
Accreditation
Laboratories
Certification Body

Regulatory Framework

Costa Rica | República Dominicana | El Salvador | Guatemala | Honduras | Nicaragua | Panama

Evaluacíon de la Conformidad TIC

Costa Rica | República Dominicana | El Salvador | Guatemala | Honduras | Nicaragua | Panama

Standards development / Metrology (all sectors considered)

Costa Rica | República Dominicana | El Salvador | Guatemala | Honduras | Nicaragua | Panama

Entry Control (Customs)

Elaboración

Costa Rica | República Dominicana | El Salvador | Guatemala | Honduras | Nicaragua | Panama

Workplan

Creation of the Committee of Experts (Comité de Normalización de COMTELCA) → Inform the Regional Organization Boarding → Experts indicaiton → 1st Meeting

Fev | Mar | 20 Mar | 20 Jul

Capacity Building and Assistance Activities

- Customized capacity building
- Regional Training (Lab) 27 Jun – 01 Jul
- Assistance

C&I Regional Assessement Studies

Maghreb (2015/2016)

EAC Countries (2015)

The Caribbean - CTU (2014-2016-2017)

COMTELCA (2015/2016)

SADC Region (2014/2015)

South America ((2017)

http://itu.int/go/CI_Assessment_Studies

C&I Regional Assessment Studies

Calendar

☐ **Assessment Study for SADC Region completed 2014)**

➢ The results of the Assessment Study have been presented during the Subregional Workshop for SADC (Southern African Development Community), 13-15 October 2014, Livingstone (Zambia)

C&I Assessment Study for SADC

- Final Report
- Survey Findings
- Outcomes of the Workshop for SADC, Livingstone, Zambia, 13-15 October, 2014
  - Recommendations: In Country C&I Test Lab
  - Criteria for selecting countries for establishing regional test centres
  - Proposed plan for a SADC framework MRA
- Media statement on the meeting of SADC Ministers Responsible for Communications, Postal and ICTs. Mangochi, Malawi, 21 November 2014

❑ **Assessment Study for Maghreb countries**

Mauritania, Morocco, Algeria, Tunisia, Libya (completed 2014)

The results of the assessment study have been presented during the Subregional Workshop for Maghreb Countries, Tunis 9-11 December 2014

C&I Assessment Study for Maghreb (2014)

- [Final Report](#)

- [Survey Findings](#)

- [Outcomes of the workshop for Maghreb, Tunis 9-11 December 2014](#)
  - [Recommendations: In Country C&I Test Lab](#)
  - [Criteria for selecting countries for establishing regional test centres](#)
  - [Proposed plan for a Maghreb framework MRA](#)

Follow-up of Assessment Study for Maghreb

- Joint declaration signed between ITU Regional Office of Cairo and UMA the Secretariat General of the Arab Maghreb Union (UMA) for collaboration and support to Maghreb countries for establishing a common MRA

- First meeting of C&I Expert Committee for Maghreb, Rabat (Morocco), 23-25 November 2015

1. Establish a Committee composed of Specialized Experts under the coordination of UMA and nominated by the Administrations of Member States participating in the meeting in Rabat. Other experts could join this Committee. This Committee is responsible, among other:

2. Identify:

   a. the list of accreditation, standardization and certification bodies. In that regard, the representatives of the UMA countries are requested to fill in Annex II of the generic model of the MRA, proposed by the ITU and distributed at this meeting, and return it to the UMA.

   b. specifications, procedures and standards adopted and used in the Maghreb countries as well as the additional requirements for each country. The representatives of the UMA countries are requested to fill Annex I of the MRA, proposed by the ITU and distributed at this meeting with the list of technical Regulations/Standards, and return them to the UMA.

   c. list the specialized laboratories existing in the Maghreb Countries

3. Identify the list of directives and/or standards (applied worldwide) candidates to be adopted in the Maghreb countries

4. Analyse the draft MRA proposed by the ITU and inform UMA of any comments, observations and amendments for finalizing it as soon as possible.

5. The representatives of the UMA countries are requested to fill Annex III of the MRA, proposed by the ITU and distributed at this meeting, with the list of (Conformity Assessment Bodies-CABs) testing labs and certification bodies, and return it to the Secretariat of the UMA

Assessment Studies for the Caribbean

➢ The results of the first assessment were presented during the ITU C&I Workshop for Caribbean (2-4 December 2014, in St. Augustine, Trinidad and Tobago)

- [Assessment Study on C&I for the Caribbean](#)
- [Report](#)
- [Outcomes](#)

Follow-up of Assessment Study for the Caribbean

As one of the results of the assessment and workshop held for the Caribbean was the cooperation between an ITU Academia member, CPqD with Caribbean countries in regard to homologation and testing procedures. A high level Caribbean mission visited the laboratories of the CPqD in Campinas, Brazil, during the C&I training for the region in June 2015

☐ **Assessment Studies for <u>EAC</u> countries:**

The East African Community (EAC) is the regional intergovernmental organization of the Republics of **Burundi**, **Kenya**, **Rwanda**, the **United Republic of Tanzania**, and the Republic of **Uganda**, with its headquarters in Arusha, **Tanzania**. **(ongoing 2015)**
The results of the assessment study have been presented during the Subregional Workshop for EAC countries, Nairobi 21-23 October 2015

C&I Assessment Study for EAC Countries

- Final Report of the Assessment Study on C&I for EAC Countries

- C&I Assessment Study for EAC: Survey Findings

- Outc omes
  of the workshop for EAC countries, Nairobi 21-23 October 2015
  - ➢ Recommendations: In Country C&I Test Lab
  - ➢ Criteria for selec ting countries for establishing regional test centres
  - ➢ Proposed plan for EAC fra mework MRA
  - ➢ EAC Task Force on Conformity and Interoperability (C&I): Terms of Reference

Follow-up of Assessment Study for EAC Countries

The 5th Meeting of Committee of Heads of Communications Regulatory Authorities of EAC, held in Arusha from 2nd – 4th November, 2015, discussed the Outcomes and Recommendations from Nairobi's workshop   as one of the items in the agenda the issue and issuing the following Recommendation:

"**The Committee of Head of Communications Regulatory Authorities:**

- **a) took note of the foregoing brief on C&I framework;**

- **b) requested the Secretariat to:**

- **(i) develop the Concept note and ToRs for the Task Force on C&I framework; and**

- **(ii) write to the ITU to thank them and express the region's support for the proposed development in C&I framework."**

EAC Secretariat will call for a coordination meeting for EAC countries for follow up and endorsing the ITU recommendations and way forward agreed during the Workshop and the ones listed above.

Assessment Study for COMTELCA countries

- The results of the assessment Study have been presented during the ITU C&I Workshop for Central America **Tegucigalpa, Honduras, 7-9 December 2015**

Participant countries:
Costa Rica
El Salvador
Guatemala
Honduras
Nicaragua
Panama

The workshop counted with the kind collaboration of ANATEL and CPQD

Outcomes of the Assessment Study for COMTELCA countries

- C&I Assessment Study for COMTELCA: Survey Findings
- Outcomes
- Recommendations:
  - In Country C&I Test Lab
  - Criteria for selecting countries for establishing regional test centres
  - Proposed plan for COMTELCA framework MRA
- Informe del Taller

Follow-up:
The outcomes were considered at the COMTELCA's Board meeting, in March 2016.

Follow-up of Assessment Study for Comtelca Countries

The standardization committee of Comtelca met at the end of February 2016, reviewing the results of the C&I workshop held last December and making recommendations to the Board of Directors. The board met at the beginning of March 2016, where they adopted a C&I resolution with the following resolves:

1. Appoint the Standards Committee as the "Committee of Experts on C&I" mentioned in the report of the workshop.

2. To request ITU to contribute to a horizontal cooperation effort between CPQD, COMTELCA and CEABAD to establish in the latter a virtual telecommunications mini-laboratory.

3. As a first priority, promote the work on a Mutual Recognition Agreement among all member countries COMTELCA plus Mexico, with support of ITU and make a commitment to have at the end of this year, a forum on the draft Mutual Recognition Agreement (MRA) among all member countries plus Mexico with ITU cooperation. Member countries will make efforts they deem necessary to have the participation of the non-governmental sector who would benefit from the MRA, particularly operators.

4. As a second priority, conduct an evaluation on the establishment of other mini-laboratories, with ITU support, in other member countries, ensuring that all mini-laboratories are complementary.

2nd C&I Meeting for COMTELCA

2nd meeting for moving forward regional cooperation for Central America **Tegucigalpa, Honduras, 5-6 December 2016**
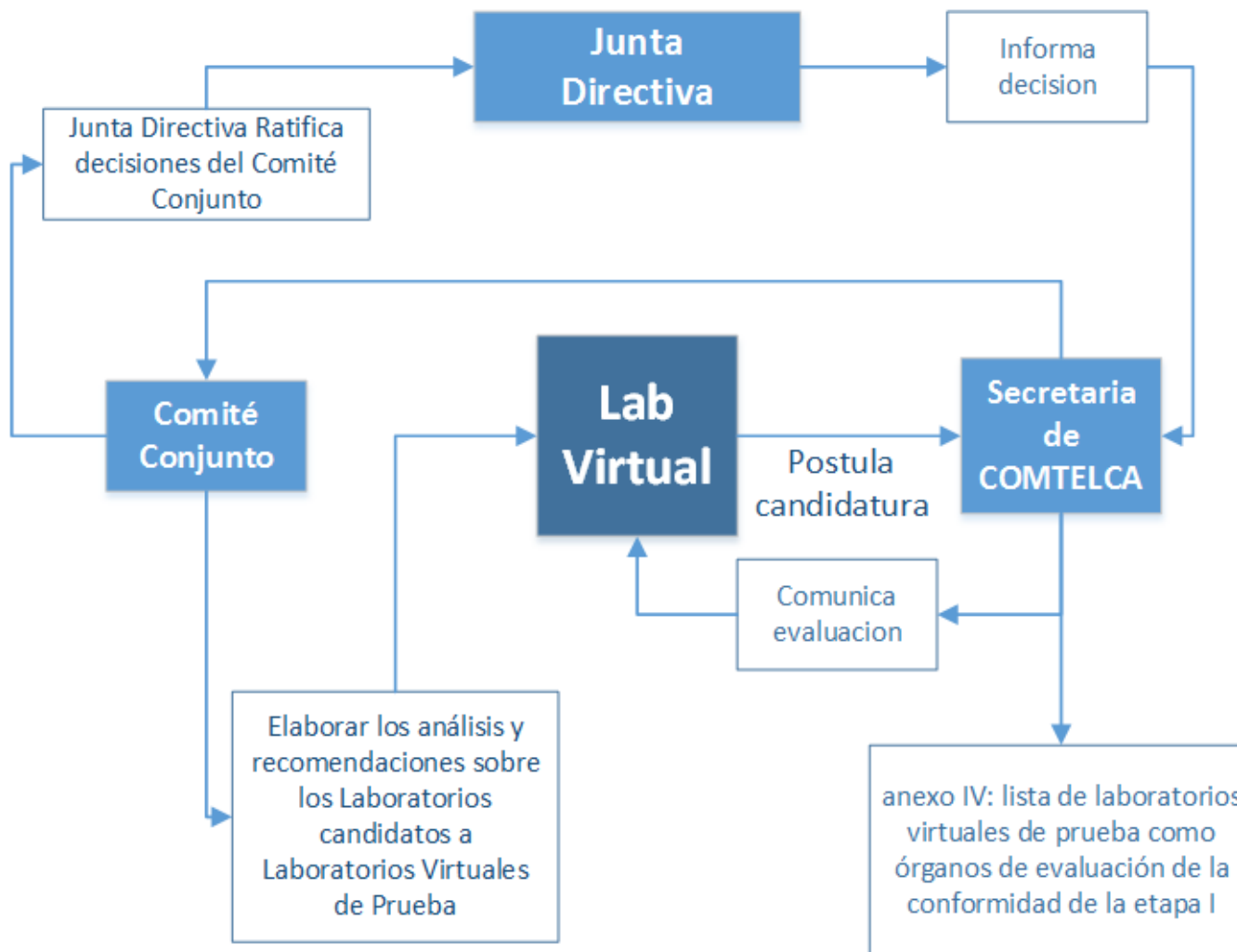

Results:

Draft MRA, that includes two Innovative solutions

- Virtual Laboratories
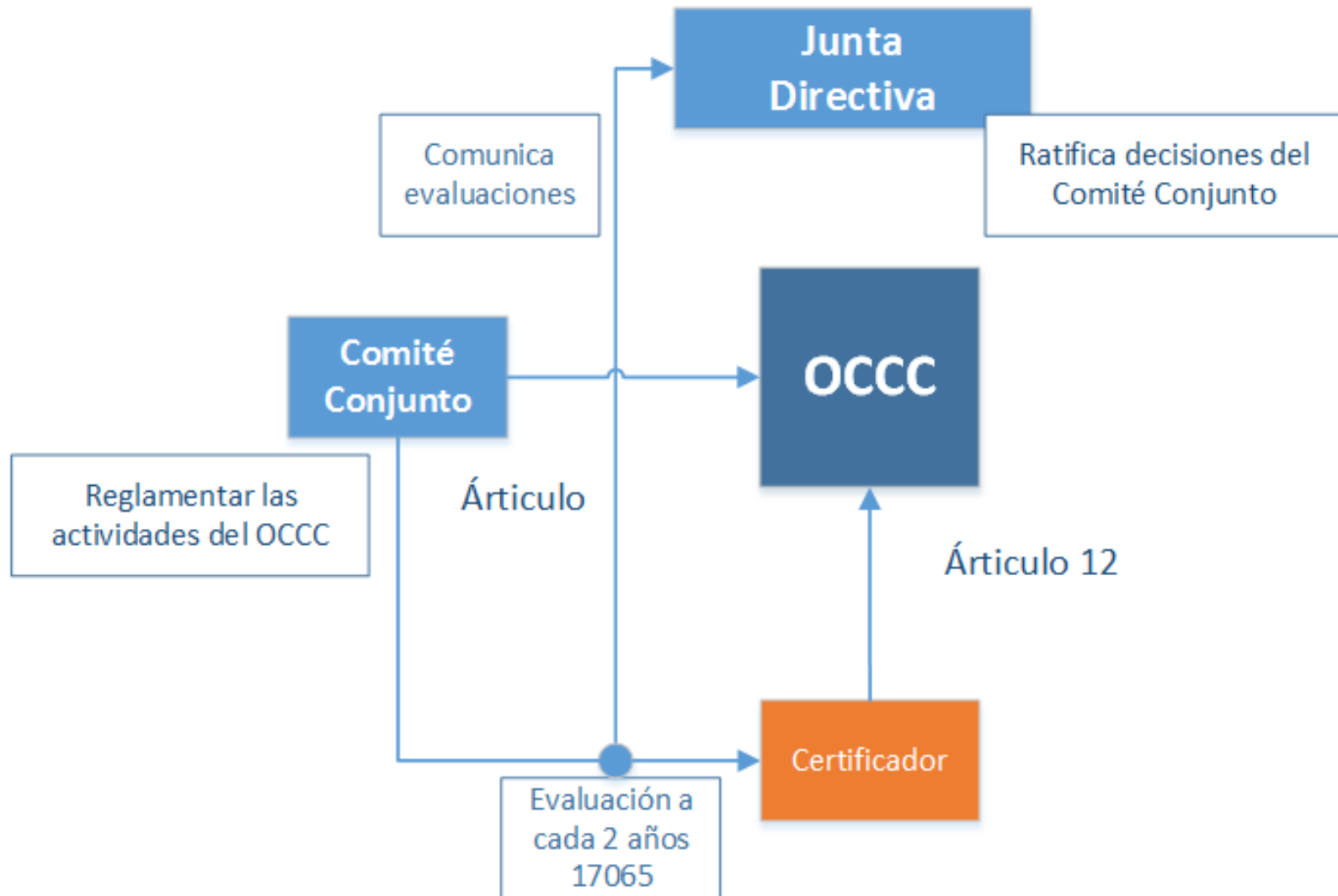- Regional Certification Body

https://www.itu.int/en/ITU-D/Regional-Presence/Americas/Pages/EVENTS/2016/15556.aspx
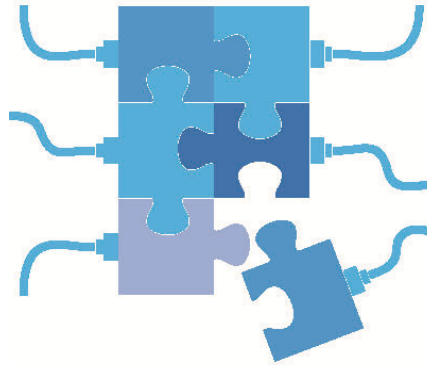
Lab Virtual

Regional Certification Body

Regional Certification Body

Thank you!!

C&I PORTAL

http://itu.int/go/CI_Development

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