

**Conformance and Interoperability (C&I) Validation
Workshop for EAC Region
Laico Regency Hotel, Nairobi, Kenya
21st – 23rd October 2015**

Mutual Recognition Agreements/Arrangements: General Introduction, Framework and Benefits

**Presented by
Bill McCrum
ITU Consultant**

Nairobi, Kenya 21st – 23rd Oct 2015



PRESENTATION OVERVIEW

- **Conformity Assessment**
- **General**
- **Aim of MRAs**
- **Benefits of MRAs**
- **Types of MRAs**
- **MRA for conformity assessment of telecommunications equipment**

Nairobi, Kenya 21st – 23rd Oct 2015



Conformity Assessment

- Member States mandate technical regulations and specifications for telecommunication equipment
- Conformity assessment such as testing and certification are conducted to demonstrate the equipment meets the technical regulations and specifications

Nairobi, Kenya 21st – 23rd Oct 2015



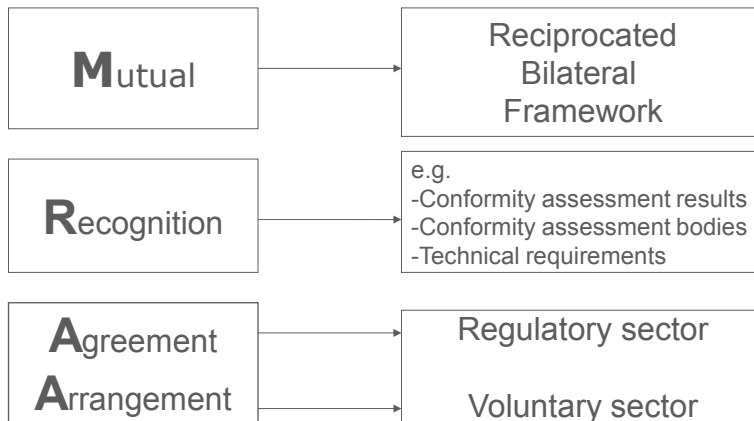
Conformity Assessment(cont'd)

- Member states do not usually recognize conformity assessments not performed in their territories
- Equipment suppliers have to conduct multiple (duplicated) conformity assessments to meet requirements of different member states
- WTO considers these conformity assessments are technical barriers to trade
- MRA has been proven to be a useful and successful tool and process to address this problem

Nairobi, Kenya 21st – 23rd Oct 2015



General



Nairobi, Kenya 21st – 23rd Oct 2015



5

Aim of MRAs

- One Test, One Report, Accepted Everywhere
- One Audit, One Certificate, Accepted Everywhere
- Elimination of redundant and costly activities
- Avoidance of duplication of work in testing and Certification
- Promotion of transparency in market access
- Elimination of predatory practices and roadblocks to market access

Nairobi, Kenya 21st – 23rd Oct 2015



6

Benefits of MRAs

- Products may be shipped directly to foreign markets without any further requirements for testing and/or certification, thereby reducing costs and time to market
- Facilitates trade by promoting transparency in market access and competition
- Reduces and minimizes non-tariff trade barriers
- Shortens the time for manufacturers to introduce their products into the importing countries

Nairobi, Kenya 21st – 23rd Oct 2015



7

Types of MRAs

- Voluntary sector
 - MRA between individual conformity assessment bodies
 - MRA between accreditation bodies
 - International Laboratories Accreditation Cooperation (ILAC), Mutual Recognition Arrangement (MRA)
 - International Accreditation Forum (IAF), Multilateral Recognition Arrangement (MLA)
- Regulatory sector
 - MRA between governments

Nairobi, Kenya 21st – 23rd Oct 2015



8

Types of MRAs

MRA between accreditation bodies

- The International Laboratory Accreditation Cooperation (ILAC)
 - promotes the acceptance of accredited test and calibration results by establishing a network of mutual recognition agreements among accreditation bodies

Nairobi, Kenya 21st – 23rd Oct 2015



9

Types of MRAs

MRA between accreditation bodies

- The International Laboratory Accreditation Cooperation (ILAC)
 - The accreditation bodies which are signatories to the ILAC MRA have been peer-reviewed and shown to meet ILAC's criteria for competence.

Nairobi, Kenya 21st – 23rd Oct 2015



10

Types of MRAs

MRA between accreditation bodies

- The International Laboratory Accreditation Cooperation (ILAC)
 - Tests results prepared by testing laboratories of one signatory are accepted by testing laboratories of all other signatories

Nairobi, Kenya 21st – 23rd Oct 2015



11

Types of MRAs

MRA between accreditation bodies

- The International Laboratory Accreditation Cooperation (ILAC)
 - ILAC recognizes the following Regional Cooperation Bodies which have their own MRAs:
 - The European cooperation for Accreditation (EA)
 - The Asia Pacific Laboratory Accreditation Cooperation (APLAC)
 - The Inter-American Accreditation Cooperation (IAAC)

Nairobi, Kenya 21st – 23rd Oct 2015



12

Types of MRAs

MRA between accreditation bodies

- International Accreditation Forum (IAF)
 - The primary purposes of IAF are:
 - to ensure that its accreditation body members only accredit bodies that are competent to do the work they undertake
 - to establish mutual recognition arrangements, known as Multilateral Recognition Arrangements (MLA), between its accreditation body members

Nairobi, Kenya 21st – 23rd Oct 2015



13

Types of MRAs

MRA between accreditation bodies

- International Accreditation Forum (IAF)
 - Accreditation body members of IAF are admitted to the IAF MLA only after a evaluation of their operations by a peer evaluation team which is charged to ensure that the applicant member complies fully with both the international standards and IAF requirements

Nairobi, Kenya 21st – 23rd Oct 2015



14

Types of MRAs

MRA between accreditation bodies

- International Accreditation Forum (IAF)
 - Once an accreditation body is a signatory of the IAF MLA it is required to recognize the certificates issued by conformity assessment bodies accredited by all other signatories of the IAF MLA, with the appropriate scope.

Nairobi, Kenya 21st – 23rd Oct 2015



15

Types of MRAs

MRA between accreditation bodies

- International Accreditation Forum (IAF)
 - IAF MLA recognizes the MRAs of 3 Regional Accreditation Groups:
 - The European co-operation for Accreditation (EA)
 - The Pacific Accreditation Cooperation (PAC)
 - The InterAmerican Accreditation Cooperation (IAAC)

Nairobi, Kenya 21st – 23rd Oct 2015



16

Types of MRAs

MRA between governments

MRA Types:

- Binding / Non-Binding
- Single Sector / Multi-Sector
- Bilateral / Framework

Nairobi, Kenya 21st – 23rd Oct 2015



17

Types of MRAs

MRA between governments

MRA Types, examples:

- Binding:
 - Canada/European Union MRA
 - USA/European Union MRA
- Non-Binding:
 - Asia Pacific Economic Cooperation (APEC) MRA
 - InterAmerican (CITEL) MRA

Nairobi, Kenya 21st – 23rd Oct 2015



18

Types of MRAs

MRA between governments

MRA Types, examples:

- Single Sector:
 - Asia Pacific Economic Cooperation (APEC) MRA; telecommunications
- Multi-Sector:
 - Canada/European Union MRA; six sectors including EMC and telecommunications

Nairobi, Kenya 21st – 23rd Oct 2015



19

Types of MRAs

MRA between governments

MRA Types, examples:

- Bilateral:
 - Canada/European MRA
- Framework:
 - Asia Pacific Economic Cooperation (APEC) MRA; telecommunications

Nairobi, Kenya 21st – 23rd Oct 2015



20

MRA for Conformity Assessment of Telecommunications Equipment

MRA between governments

An Example

- Framework and contents of a Mutual Recognition Arrangement for Conformity assessment of Telecommunications Equipment

Nairobi, Kenya 21st – 23rd Oct 2015



21

MRA for Conformity Assessment of Telecommunications Equipment

Framework

- **Scope:**
 - Equipment subject to mandatory telecommunication requirements
- **Coverage:**
 - Telecom, EMC and Electrical Safety
- **Phases:**
 - Phase I - acceptance of test results
 - Phase II - acceptance of equipment certification

Nairobi, Kenya 21st – 23rd Oct 2015



22

MRA for Conformity Assessment of Telecommunications Equipment

Framework (cont'd)

- **Conformity Assessment Bodies (CABs):**
 - Testing laboratories
 - Certification bodies
- **Competence of CABs:**
 - Determined using ISO/IEC Standards 17011, 17025, 17065 plus appropriate technical regulations

Nairobi, Kenya 21st – 23rd Oct 2015



23

MRA for Conformity Assessment of Telecommunications Equipment

Contents

- Preamble
- Purpose of the agreement
- General Provisions
- Definitions and Interpretations
- Scope
- Designating Authorities
- Designation of CABs and Appointment of Accreditation Bodies (ABs)
- Recognition of CABs and Mutual Acceptance of the Results of Conformity Assessment (CA) Procedures

Nairobi, Kenya 21st – 23rd Oct 2015



24

MRA for Conformity Assessment of Telecommunications Equipment

Contents (cont'd)

- Verification of CABs
- Commencing the Agreement and Initiating Participation in Phase I or Phase II Procedures
- Information Exchange
- Joint Committee
- Additional Provisions
- Confidentiality
- Preservation of Regulatory Authority
- Fees
- Amendment and Termination of Agreement
- Final Provisions

Nairobi, Kenya 21st – 23rd Oct 2015



25

MRA for Conformity Assessment of Telecommunications Equipment

Contents (cont'd)

- I. Appendix A
 - A. Common Requirements
 - B. Designation of Testing Laboratories
 - C. Designation of Certification Bodies
- II. Appendix B – Phase I procedures for mutual recognition of testing laboratories as CABs and mutual acceptance of test results
 - A. Scope
 - B. Designation and Recognition of CABs
 - C. Participation in Phase I Procedures
 - D. Transition Periods
 - E. Mutual Acceptance of Test Reports
 - F. Processing of Applications
 - G. Suspension of Mutual Recognition and Acceptance Obligations

Nairobi, Kenya 21st – 23rd Oct 2015



26

MRA for Conformity Assessment of Telecommunications Equipment

Contents (cont'd)

- III. Appendix C – Phase II procedures for mutual recognition of certification bodies as CABs and mutual acceptance of equipment certifications
 - A. A-G Same as above, except change Phase I to Phase II and testing to certification
- IV. Annexes I – Annexes IV
 - [Annex I](#) – List of the Technical Regulations for Each Participating Country
 - [Annex II](#) – List of Name and Address of Each Designating Authority and Accreditation Body for Each Participating Country
 - [Annex III](#) – List of Name and Address of Each CAB Designated by Each Participating Country
 - [Annex IV](#) – List of Name and Address of Each CAB or MRAs by AB Recognized by Each Participating Economy

Nairobi, Kenya 21st – 23rd Oct 2015



27

MRA for Conformity Assessment of Telecommunications Equipment

Contents (by paragraph)

Preamble

- Trade facilitation measure in support of the WTO Agreement on Technical Barriers to Trade (TBT) obligations.
- The agreement is not legally binding; however, it does infer certain rights and responsibilities for participating countries.
- Parties may exchange letters if useful.

1. Purpose of Agreement

- To provide for the mutual acceptance of other parties' CA results for a wide range of telecommunications equipment subject to mandatory requirements

2. General Provisions

- Introduces and brings into the agreement the designating and monitoring procedures in Appendices A, B and C

Nairobi, Kenya 21st – 23rd Oct 2015



28

MRA for Conformity Assessment of Telecommunications Equipment

Contents (by paragraph)

3. Definitions and Interpretations

- Introduces ISO/IEC Guide definitions and key definitions
- Technical regulations - means mandatory requirements

4. Scope

- agreement applies to the Technical Regulations listed by each participating party in ANNEX I – applies to network terminal attachment and other telecommunication equipment. Coverage includes Telecom equipment, EMC and Electrical Safety.

Nairobi, Kenya 21st – 23rd Oct 2015



29

MRA for Conformity Assessment of Telecommunications Equipment

Contents (by paragraph)

5. Designating Authority (DA)

- A government entity that designates, lists, verifies competence of, limits and withdraws designation of Conformity Assessment Bodies (CABs) within its jurisdiction.
- An independent accreditation body may be appointed to determine competence of CABs. The DAs and ABs will be listed in ANNEX II by each party.

6. Designation of CABs and Appointment of ABs

- Each DA (listed in ANNEX II) may designate CABs to perform conformity assessment activities to the other party's requirements.
- Designations must follow the procedures in Appendix A
- Mutual recognition agreements between accrediting bodies may be used, provided they follow Appendix A

Nairobi, Kenya 21st – 23rd Oct 2015



30

MRA for Conformity Assessment of Telecommunications Equipment

Contents (by paragraph)

7. Recognition of CABs and Mutual Acceptance of the Results of Conformity Assessment Procedures

- Under the procedures specified for Phase I and Phase II, a party (Regulatory Authority) will recognize CABs and accept the results performed by those CABs.

8. Verification of CABs

- Parties have the right to contest a CABs technical competence following due process procedures.
- The Joint Committee may become involved to assist in resolving the differences.

Nairobi, Kenya 21st – 23rd Oct 2015



31

MRA for Conformity Assessment of Telecommunications Equipment

Contents (by paragraph)

9. Commencing the Agreement and Initiating Participation in Phase I or Phase II Procedures

- Commencement date
- Each party must provide the other parties with certain information (Some countries may accomplish this through an exchange of letters.)

10. Information Exchange

- Technical regulations are listed in Annex I for each party. Changes to regulations must be publicly available.
- DA and AB (Annex II), designated CABs (Annex III), recognized CABs (Annex IV) must be kept current

Nairobi, Kenya 21st – 23rd Oct 2015



32

MRA for Conformity Assessment of Telecommunications Equipment

Contents (by paragraph)

11. Joint Committee

- Joint party established consisting of representatives from each party

12. Additional Provisions

- Each party will endeavor to use international standards as a basis for its technical regulations

13. Confidentiality

- A party, in accordance with applicable laws, will protect proprietary information.

14. Preservation of Regulatory Authority

- Each party retains all authority under its laws to interpret and enforce its technical regulations governing equipment covered by this

Agreement.

Nairobi, Kenya 21st – 23rd Oct 2015



33

MRA for Conformity Assessment of Telecommunications Equipment

Contents (by paragraph)

15. Fees

- The parties will ensure that any fees charged will be non-discriminatory, transparent, and reasonable

16. Amendment and Termination of Agreement

- May be amended by mutual written consent of the participating parties
- A party may terminate its participation by giving 6 months notice

17. Final Provisions

- Agreement is inclusion of Appendices A-C and Annexes I-IV, with appendices taking precedence in cases of inconsistencies

Nairobi, Kenya 21st – 23rd Oct 2015



34

MRA for Conformity Assessment of Telecommunications Equipment

Contents (by paragraph)

Appendix A - Designation and Monitoring Requirements for CABs

- Specifies designation and monitoring rules for testing labs and certification bodies

A. Common Requirements

- DA may appoint Accreditation Bodies (AB) provided certain conditions are met, which includes the use of the relevant international standards/guides; i.e. ISO/IEC 17011, 17025 & 17065
- DAs encouraged to harmonize designation procedures
- ABs encouraged to participate in agreements between accreditation bodies

Nairobi, Kenya 21st – 23rd Oct 2015



35

MRA for Conformity Assessment of Telecommunications Equipment

Contents (by paragraph)

Appendix A - (continued)

B. Designation of Testing Laboratories (TL)

- A party may use one or more Designating Authorities or Accrediting Bodies to determine the competence of a laboratory to test equipment to the other party's technical regulations
- The DA or AB must be capable of meeting of ISO/IEC 17011
- The TL must be accredited to ISO/IEC 17025 to the appropriate scope and technical regulations
- The DA may require the TL to demonstrate competence through: Regional AB MRA, peer evaluations, proficiency testing or comparison between testing laboratories
- Each TL will have a 6 character identifier

Nairobi, Kenya 21st – 23rd Oct 2015



36

MRA for Conformity Assessment of Telecommunications Equipment

Contents (by paragraph)

Appendix A - (continued)

C. Designation of Certification Bodies (CB)

- A party may use one or more Designating Authorities or Accrediting Bodies The DA or AB must be capable of meeting of ISO/IEC 17011
- The CB must be accredited to ISO/IEC 17065 to the appropriate scope and technical regulations using a team of technical experts to determine competence for each type of equipment and discipline.
- The CB must also be accredited to ISO/IEC 17025 and be capable of testing equipment for which it approves
- Sub-contracting per ISO/IEC 17065 permitted
- CB must establish an acceptable market surveillance program in accordance with ISO/IEC 17065
- Each CB will have a 6 character identifier established by the DA

Nairobi, Kenya 21st – 23rd Oct 2015



37

MRA for Conformity Assessment of Telecommunications Equipment

Contents (by paragraph)

Appendix B - Phase I Procedures for Mutual Recognition of Test Labs and Mutual Acceptance of Test Reports

1. Scope

- Specifies the procedure for mutual recognition of TLs and the acceptance of test reports relating to the technical regulations identified in ANNEX I for Phase I for each party

2. Designation and Recognition of CAB

- The DA of the exporting party accredits and designates CABs as being competent to test equipment subject to the technical requirements of the importing party listed in ANNEX I.
- The importing party (RA) upon receipt of the exporting parties designation will evaluate and recognize CABs in a fair and transparent manner. The Joint Committee may be used for the review process in cases of dispute.

Nairobi, Kenya 21st – 23rd Oct 2015



38

MRA for Conformity Assessment of Telecommunications Equipment

Contents (by paragraph)

Appendix B - (continued)

3. Participation in Phase I Procedures

- Details the appropriate ANNEXES that each party needs to complete

4. Transition Periods

- Establishes a procedure to build confidence with the aid of familiarization and training among participating parties

Nairobi, Kenya 21st – 23rd Oct 2015



39

MRA for Conformity Assessment of Telecommunications Equipment

Contents (by paragraph)

Appendix B - (continued)

5. Mutual Acceptance of Test Reports

- Establishes a procedure for the fair and transparent handling of test reports by recognized CABs.

6. Processing of Applications

- Establishes timetable for processing applications

7. Suspension of Mutual Recognition and Acceptance Obligations

- Establishes procedure for suspension of MRA

Nairobi, Kenya 21st – 23rd Oct 2015



40

MRA for Conformity Assessment of Telecommunications Equipment

Contents (by paragraph)

Appendix C - Phase II Procedures for Mutual Recognition of CBs and Mutual Acceptance of Equipment Certifications

1. Scope

- Specifies the procedure for mutual recognition of CBs and the acceptance of approval of equipment meeting the technical regulations identified in ANNEX I for Phase I for each party

2. Designation and Recognition of CABs

- The DA of the exporting party accredits and designates CBs as being competent to approve equipment subject to the technical requirements of the importing party listed in ANNEX I. Consistent with paragraph 5.3 of the MRA, the DA may appoint an AB to accredit the CB for the procedures in Appendix A.

Nairobi, Kenya 21st – 23rd Oct 2015



41

MRA for Conformity Assessment of Telecommunications Equipment

Contents (by paragraph)

Appendix C - Phase II Procedures for Mutual Recognition of CBs and Mutual Acceptance of Equipment Certifications

2. Designation and Recognition of CABs(cont'd)

- The importing party (RA) upon receipt of the exporting parties designation will evaluate and recognize the CB in a fair and transparent manner. The Joint Committee may be used for the review process in cases of dispute.

3. Participation in Phase II procedures

- Details the appropriate ANNEXES that each party needs to complete

4. Transition Periods

- Establishes a procedure to build confidence with the aid of familiarization and training among participating parties

Nairobi, Kenya 21st – 23rd Oct 2015



42

**MRA for Conformity Assessment of
Telecommunications Equipment**
Contents (by paragraph)

Appendix C - (continued)

5. Mutual Acceptance of Equipment Certifications

- Establishes a procedure for the fair and transparent handling of equipment certification produced by a recognized CBs.

6. Suspension of Mutual Recognition and Acceptance Obligations

- Establishes procedure for suspension of MRA

Nairobi, Kenya 21st – 23rd Oct 2015



43

**Mutual Recognition
Agreements/Arrangements: General
Introduction, Framework and Benefits**

Thank you

Bill McCrum
billmccrum@bell.net

Nairobi, Kenya 21st – 23rd Oct 2015



44