




www.unido.org

CONFORMITY ASSESSMENT(CA) INFRASTRUCTURE OF DEVELOPING COUNTRY MEMEBERS- CONCERNS AND CHALLENGES

Soha Atallah
National Project Coordinator
UNIDO
E-mail: satallah@unido.org.lb

Poverty Reduction through Productive Activities • Trade Capacity Building • Energy and Environment



www.unido.org

CA Infrastructure of Developing country members


DEFINITION OF CONFORMITY ASSESSMENT (CA)

Any procedure used, directly or indirectly, to determine that relevant requirements in technical regulations or standards are fulfilled

Overall umbrella of measures taken by :

- Manufacturers
- Customers
- Regulatory authorities
- Independent third parties

Poverty Reduction through Productive Activities • Trade Capacity Building • Energy and Environment




www.unido.org

Conformity Assessment Procedure

Prepared **BY** whom ?

- **Central Government Bodies**
- **Local Government Bodies**
- **Non-Governmental Bodies**
- **Regional and International Systems**

Poverty Reduction through Productive Activities • Trade Capacity Building • Energy and Environment



www.unido.org

Conformity Assessment Procedure

Prepared **TO** whom ?

- **Producers**
- **Suppliers**
- **Clients**
- **Regulatory bodies**
- **Third parties**

Poverty Reduction through Productive Activities • Trade Capacity Building • Energy and Environment

UNIDO UNITED NATIONS INDUSTRIAL DEVELOPMENT ORGANIZATION www.unido.org

CA Infrastructure of Developing country members

CA Procedures

- Sampling
- Inspection (product, factory, port)
- Testing (product, system)
- Calibration (instruments, reference standards)
- Certification scheme (QMS, EMS, HACCP, product)
- Registration
- Accreditation (certification bodies, labs)
- Approval

Poverty Reduction through Productive Activities • Trade Capacity Building • Energy and Environment

UNIDO UNITED NATIONS INDUSTRIAL DEVELOPMENT ORGANIZATION www.unido.org

CA Infrastructure of Developing country members

OBJECTIVES OF CA

- Conformance of products/services with relevant standards (National standards, Codex, ISO, etc)
- Encourages international trade (tries to check trade malpractices)
- Prevents sale of substandard/unsafe product
- Prevents importation of substandard products
- Saves lives and property
- Prevents pollution of air and water
- Conserves hard-earned foreign exchange

Poverty Reduction through Productive Activities • Trade Capacity Building • Energy and Environment

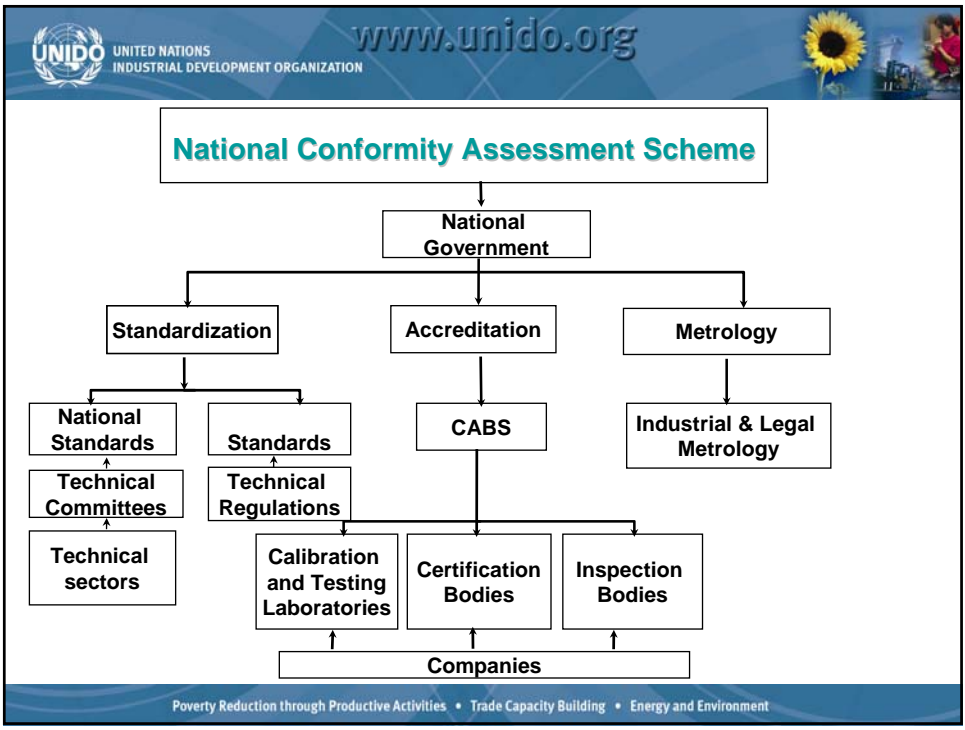


CA Infrastructure of Developing country members

OBJECTIVES OF CA (contd)

- Inspires confidence in consumers on purchased goods
- Products have value for money spent
- Provides fair level play ground in competitive domestic and international markets
- Provides reliable records for identification and traceability of local and imported products
- Enhances economic growth and development

Poverty Reduction through Productive Activities • Trade Capacity Building • Energy and Environment



UNIDO UNITED NATIONS INDUSTRIAL DEVELOPMENT ORGANIZATION www.unido.org

CA Infrastructure of Developing country members

CA INFRASTRUCTURE

Facilities and means to check for compliance:

- Standards
- Accredited Laboratories (Testing and Calibration)
- Accredited Inspection and Certification Bodies
- Recognized Accreditation Bodies
- Qualified and Competent Personnel

Poverty Reduction through Productive Activities • Trade Capacity Building • Energy and Environment

UNIDO UNITED NATIONS INDUSTRIAL DEVELOPMENT ORGANIZATION www.unido.org

Tasks in conformity assessment

```
graph TD; Accreditation[Accreditation] --- Certification[Certification]; subgraph Certification; direction LR; Testing[Testing and calibration]; Inspection[Inspection]; end; Certification --- Manufacturer[Manufacturer];
```

Accreditation

Certification

Testing and calibration

Inspection

Manufacturer

Poverty Reduction through Productive Activities • Trade Capacity Building • Energy and Environment

UNIDO UNITED NATIONS INDUSTRIAL DEVELOPMENT ORGANIZATION www.unido.org

What is Accreditation ?

ISO 17011 definitions

Accreditation : (of conformity assessment bodies) - third-party attestation that a conformity assessment body fulfills specified requirements and is competent to carry out specific conformity assessment tasks.

NOTE 1 Formal recognition of the conformity assessment body's competence is provided by an accreditation body.

NOTE 2 See ISO/IEC 17000 for related definitions.

Accreditation body :
Authoritative body that performs accreditation.

NOTE The authority of an accreditation body is typically derived from government.

Poverty Reduction through Productive Activities • Trade Capacity Building • Energy and Environment


UNIDO UNITED NATIONS INDUSTRIAL DEVELOPMENT ORGANIZATION www.unido.org

Accreditation versus Certification

➤ Certification = Compliance

➤ Accreditation = Competence

Poverty Reduction through Productive Activities • Trade Capacity Building • Energy and Environment




UNIDO UNITED NATIONS INDUSTRIAL DEVELOPMENT ORGANIZATION www.unido.org

CA Infrastructure of Developing country members

CHALLENGES in Developing Countries

- No accreditation scheme
- Testing and Calibration Laboratories not accredited
- Inspection and Certification Bodies not accredited

Poverty Reduction through Productive Activities • Trade Capacity Building • Energy and Environment




UNIDO UNITED NATIONS INDUSTRIAL DEVELOPMENT ORGANIZATION www.unido.org

CA Infrastructure of Developing country members

CHALLENGES : Laboratories

- Inadequate Testing Laboratories
- Dependence on Government to establish laboratories
- Inadequate maintenance of lab equipment
- Insufficient training and retraining of lab operators
- Insufficient fund to buy lab equipment

Poverty Reduction through Productive Activities • Trade Capacity Building • Energy and Environment



www.unido.org


UNIDO UNITED NATIONS INDUSTRIAL DEVELOPMENT ORGANIZATION

CA Infrastructure of Developing country members

CHALLENGES : Metrology

- Lack of national calibration lab
- Insufficient fund for calibration of Primary Standards overseas
- Existing Calibration laboratories not adequately equipped
- Insufficient fund to procure expensive physical standards
- High cost of training and retraining of metrologists

Poverty Reduction through Productive Activities • Trade Capacity Building • Energy and Environment



www.unido.org

UNIDO UNITED NATIONS INDUSTRIAL DEVELOPMENT ORGANIZATION

CA Infrastructure of Developing country members

CHALLENGES : Standards

- Lack of standards on a good number of imported products
- Difficulty in developing standards for some products
- Insufficient funds for standardizing body
- Insufficient number of staff

Poverty Reduction through Productive Activities • Trade Capacity Building • Energy and Environment

UNIDO UNITED NATIONS INDUSTRIAL DEVELOPMENT ORGANIZATION www.unido.org

CA Infrastructure of Developing country members

Other Problems

- Training of staff
- Research activities
- Inadequate communication infrastructure
- No stable electricity causing break down of sensitive lab equipment
- Reliance on Pre-shipment Inspection Agencies to perform CA not adequate

Poverty Reduction through Productive Activities • Trade Capacity Building • Energy and Environment

UNIDO UNITED NATIONS INDUSTRIAL DEVELOPMENT ORGANIZATION www.unido.org

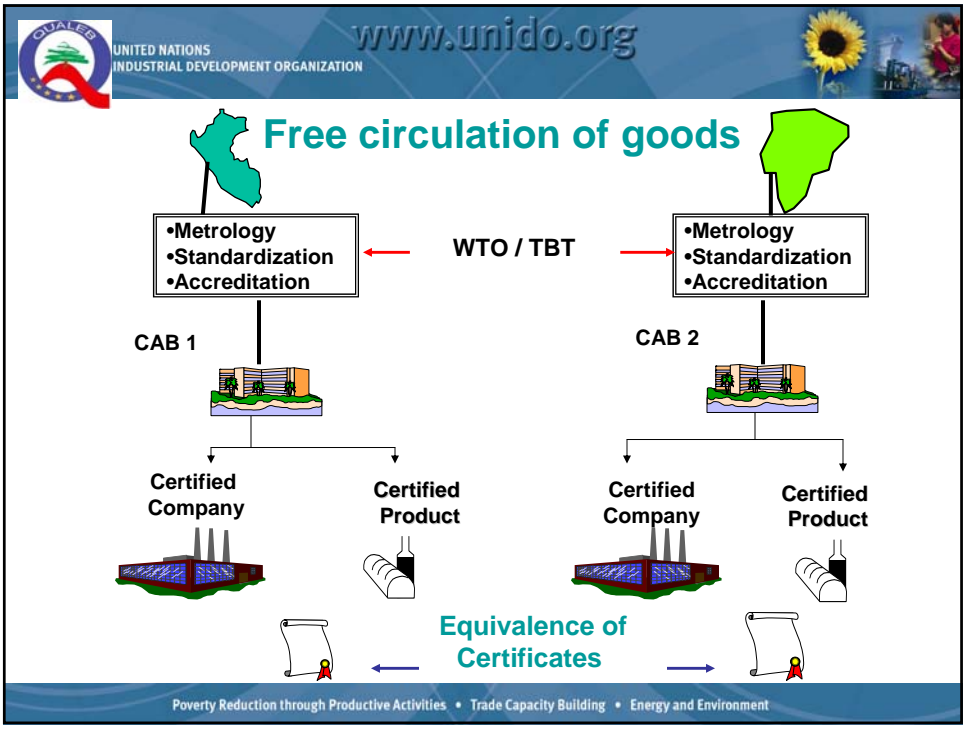
CA Infrastructure of Developing country members

SPECIFIC NEEDS

- Alignment with international standards
- Co-operation with relevant Organizations on technical infrastructure development
- Adequate funding to develop CA infrastructure
- Training and retraining of staff
- Laboratories for testing and research
- Metrology laboratories(including mobile lab)
- National Accreditation Scheme
- Steady power supply
- Adequate maintenance of laboratory equipment

Poverty Reduction through Productive Activities • Trade Capacity Building • Energy and Environment

Roundtable on Issues Related to the Establishment and Activation of National Committees on Trade and Environment (Beirut, 12 – 14 January 2010)



The slide features the UNIDO logo and website (www.unido.org) at the top. Below the logo, the text 'CA Infrastructure of Developing country members' is displayed. The main title 'Thank you for listening' is centered on the slide. The footer contains the text: 'Poverty Reduction through Productive Activities • Trade Capacity Building • Energy and Environment'.