

ITU-D Study Groups

Question 4/2 Session on ICTs and Conformance & Interoperability: challenges for developing countries

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(Room K, ITU)

ISO CASCO – standards for conformity assessment

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ISO in Brief

- ISO is the world's largest developer of international standards
- Global network of national standards bodies -162 members
- More than 22000 standards
- 300 technical committees

ISO CASCO overview

- ISO committee develops generic conformity assessment standards and policies related to conformity assessment
- 34 published standards that are developed jointly with IEC. These are referred to as the CASCO Toolbox.

THE CASCO TOOLBOX

- Standards for the operation of
 - conformity assessment bodies (laboratories, certification bodies, inspection bodies)
 - accreditation bodies
 - peer evaluation and other associated activities
- Allows a harmonized and consistent approach to conformity assessment globally

COMMON STRUCTURE IN CASCO STANDARDS

- Requirements for the impartiality, confidentiality, competence of the bodies and for the consistency of their conformity assessment activities

AN EXAMPLE

- **ISO/IEC 17025 General requirements for the competence of testing and calibration laboratories**
- specifies the general requirements for the competence, impartiality and consistent operation of laboratories

ISO/IEC 17025

- Laboratory is a body that performs one of the following activities: testing, calibration, sampling associated with subsequent testing or calibration
- Applicable to all organizations performing laboratory activities, regardless of the number of personnel
- Provides framework for laboratories to demonstrate competence and impartiality

ISO/IEC 17025

- Provide basis to harmonize a system to develop and maintain confidence in the competence of laboratories and consistent generation of reliable results
- Requires laboratory to plan and implement actions to address risks and opportunities
- Establish an environment for mutual recognition and global exchange of results from laboratories