CONFORMITY ASSESSMENT AND THE ISO/CASCO TOOLBOX

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Outline of presentation

- A global context for technical harmonization
- The ISO System
- The ISO/CASCO toolbox and the ISO/IEC collection of Conformity Assessment Standards and Guides
- Current Projects in CASCO
- Liaison
An increasing demand for consensus based international standards

- **Globalization** of trade in products and services
- **Delocalization** of procurement and investment
- **Deregulation** of public services
- Public demand for **consumer and environmental protection**
- Deployment of **new technologies and innovation**
The World Standards Cooperation (WSC)

The leading international standardization organizations

- ISO: Multi-discipline and cross sector
- IEC: For electrotechnology
- ITU: For telecommunications

Collaborate to meet the challenges of converging technologies
ISO STRUCTURE

GENERAL ASSEMBLY:
- Principal officers
- Delegates of:
  - Member bodies
  - Correspondent members
  - Subscriber members

Policy development committees:
- CASCO
- COPOLCO
- DEVCO

Council standing committees:
- Finance
- Strategy

Ad hoc advisory groups

COUNCIL

TECHNICAL MANAGEMENT BOARD

CENTRAL SECRETARIAT

REMCO

Technical advisory groups

Technical committees
The ISO system

- 157 national members
- 98% of world GDP
- 97% of world population

- Collection > 17,000 ISO Standards
- 185 active TCs
- 3,000 technical bodies
- 50,000 experts

- IT tools
- Standards development procedures
- Consensus building
- Dissemination

Central Secretariat in Geneva
155 staff
WHAT IS CONFORMITY ASSESSMENT?

Conformity Assessment:

The demonstration that specified requirements relating to a product, process, system, person or body are fulfilled.

[Clause 2.1, ISO/IEC 17000:2004(E): Conformity assessment — Vocabulary and general principles]
Objective 6: ISO, in cooperation with IEC, provides a comprehensive range of standards and guides for the implementation and recognition of good conformity assessment practices, suitable for all forms of first, second or third party involvement and evaluation, widely used by suppliers, conformity assessment operators and accreditors and recognized by customers and public authorities.
CONFORMITY ASSESSMENT: THE 1-1-1 DREAM

Accepted everywhere

1 Standard
1 Test
1 CONFORMITY ASSESSMENT
ISO and IEC jointly develop international standards through the ISO Committee on Conformity Assessment (CASCO). These documents are referred to as the CASCO toolbox.

The way forward: implementing the ISO/IEC Standards and Guides, with a double level of consensus, amongst countries and across stakeholders.

Governments can require that imports must show proof of testing to specific standards.

Developing technical requirements is half the story. After that mandatory or voluntary testing, inspection and assessment of the product, system or service may be required and also a mark of conformity.
CASCO has a structure that reflects its various roles of policy development, writing of technical documents, promotion of those documents, and monitoring market feedback on the use of those documents.

A continual improvement cycle is in place to ensure CASCO provides globally relevant documents that reflect modern conformity assessment practice.
The CASCO toolbox consists of 26 documents covering: vocabulary, principles and common elements of conformity assessment, code of good practice, product certification, system certification, certification of persons, marks of conformity, testing, calibration, inspection, supplier’s declaration of conformity, accreditation, peer assessment, and mutual recognition arrangements.

107 ISO members are represented in CASCO, of which 76 are participating members and 31 observers.

Eleven international organizations are liaison members of CASCO: BIPM, CEOC, IAF, IFAN, IFIA, IIOC, IPC, IQNet, ILAC, OIML and UILI.
## Components of the CASCO toolbox (1)

### General standards and guides

<table>
<thead>
<tr>
<th>Subject</th>
<th>Document</th>
<th>Publication date</th>
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<tbody>
<tr>
<td>Vocabulary</td>
<td>17000</td>
<td>2004</td>
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<tr>
<td>Code of good practice</td>
<td>Guide 60</td>
<td>2004</td>
</tr>
<tr>
<td>Mutual Recognition Arrangements (MRA’s)</td>
<td>Guide 68</td>
<td>2002</td>
</tr>
<tr>
<td>Peer assessment</td>
<td>17040</td>
<td>2005</td>
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<tr>
<td>Accreditation</td>
<td>17011</td>
<td>2004</td>
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<td>Marks of conformity</td>
<td>17030</td>
<td>2003</td>
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## Components of the CASCO toolbox (2)

### Technical functions

<table>
<thead>
<tr>
<th>Subject</th>
<th>Document</th>
<th>Publication date</th>
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</thead>
<tbody>
<tr>
<td>Suppliers declaration of conformity</td>
<td>ISO/IEC 17050</td>
<td>2004</td>
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<tr>
<td>Inspection</td>
<td>ISO/IEC 17020</td>
<td>1998</td>
</tr>
<tr>
<td>System certification</td>
<td>ISO/IEC 17021</td>
<td>2006</td>
</tr>
<tr>
<td>Person certification</td>
<td>17024</td>
<td>2003</td>
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CASCO projects in progress

- ISO/IEC 17021 Part 2 (CASCO WG 21), *Conformity assessment — Requirements for 3rd party certification auditing of management systems*

- ISO PAS 17005 (CASCO WG 23), *Conformity assessment — Use of management systems in conformity assessment — Principles and requirements*

- ISO/IEC 17007 (CASCO WG 27), *Conformity assessment — Guidelines for drafting standards and specified requirements for conformity assessment applications.*

- ISO/IEC 17043 (CASCO WG 28), *Conformity assessment — Requirements for proficiency testing.*

- ISO/IEC 17065 (CASCO WG 29), *Conformity assessment — Requirements for bodies operating product certification schemes.*
CASCO Liaisons

- Liaison with other organizations - Aim to allow for the **participation** of relevant organizations in CASCO. Liaisons shall agree to ISO/IEC procedures. Two types **A and D**

  **Category A** - Can nominate **experts to participate in all WGs**, obtain copies of all documents and invited to meetings. Shall be **international** or broadly based **regional** based organization. CASCO has a Russian doll criteria. Allows participation in all WGs.

  **Category D** – Nominate experts to a **particular WG**. Can include manufacturer associations commercial associations industrial consortia user groups and professional and scientific societies. Shall have a sufficient degree of representivity within its defined field.

- Category A liaisons are approved by the CASCO membership and category liaisons are approved by the TMB.

- Liaisons are reviewed at least every two years but within CASCO it is annually for new liaisons.
1. OVER 400 COMMON TEXT DOCUMENTS

2. TL 9000 = ISO 9001:2000 (with additional telecomm’s industry specific requirements).

[TL 9000 was developed by Telecomm’s Manufacturer’s and Service Providers with the support of ISO experts from TC 176]


Supporting technical regulations and public policies

Using and referencing ISO and IEC standards for technical regulations

September 2007
Thank you for your attention!

http://www.iso.org