International Organization for Standardization

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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
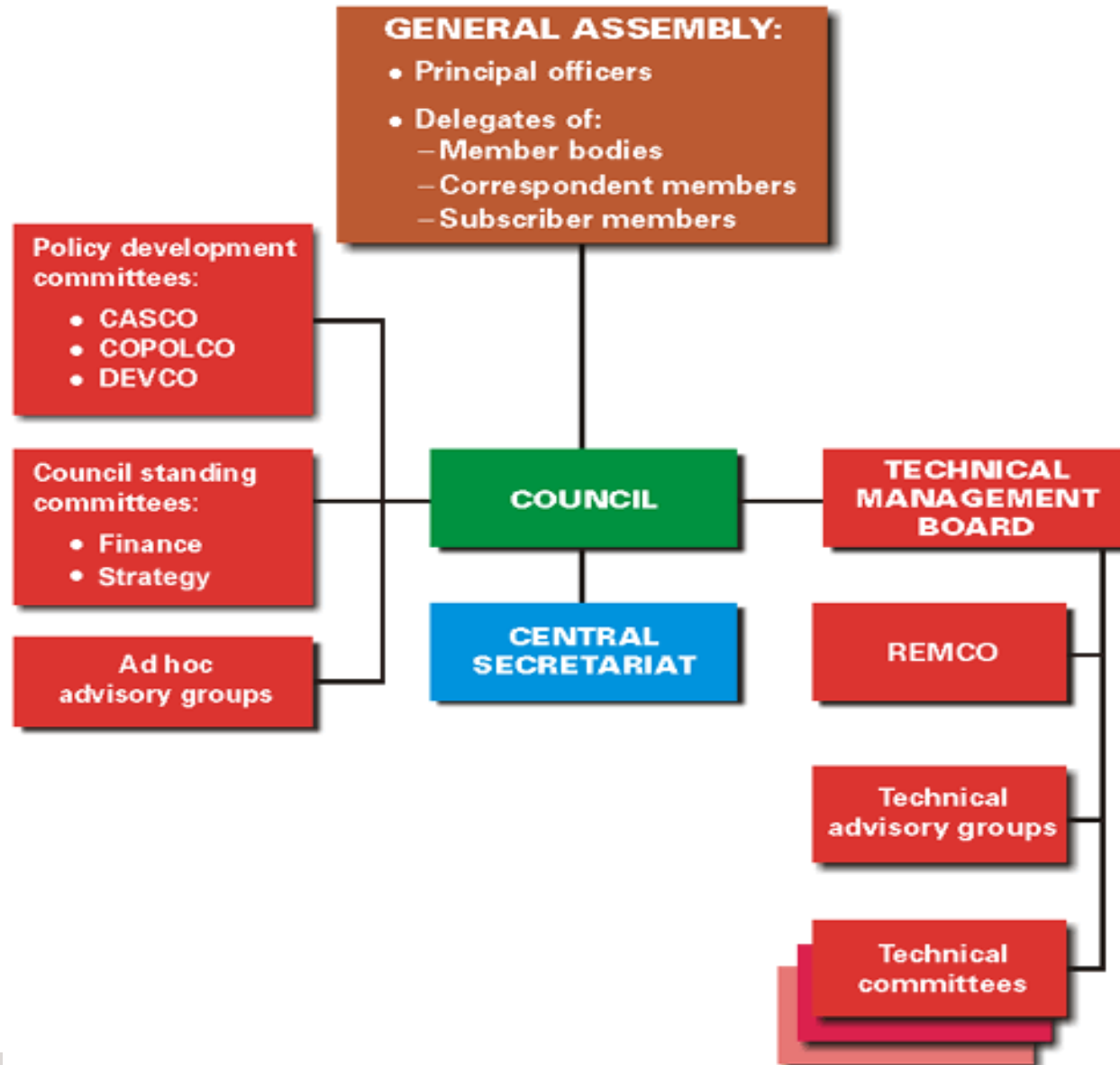
Multi-discipline and cross sector

For electrotechnology

For telecommunications

Collaborate to meet the challenges of converging technologies

ISO STRUCTURE

The ISO system

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

Collection > 17,000 ISO Standards

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

185 active TCs

3 000 technical bodies

50 000 experts

Central Secretariat in Geneva

155 staff

Conformity Assessment:

The demonstration that **specified requirements** relating to a **product,** process, system, person or body **are fulfilled**.
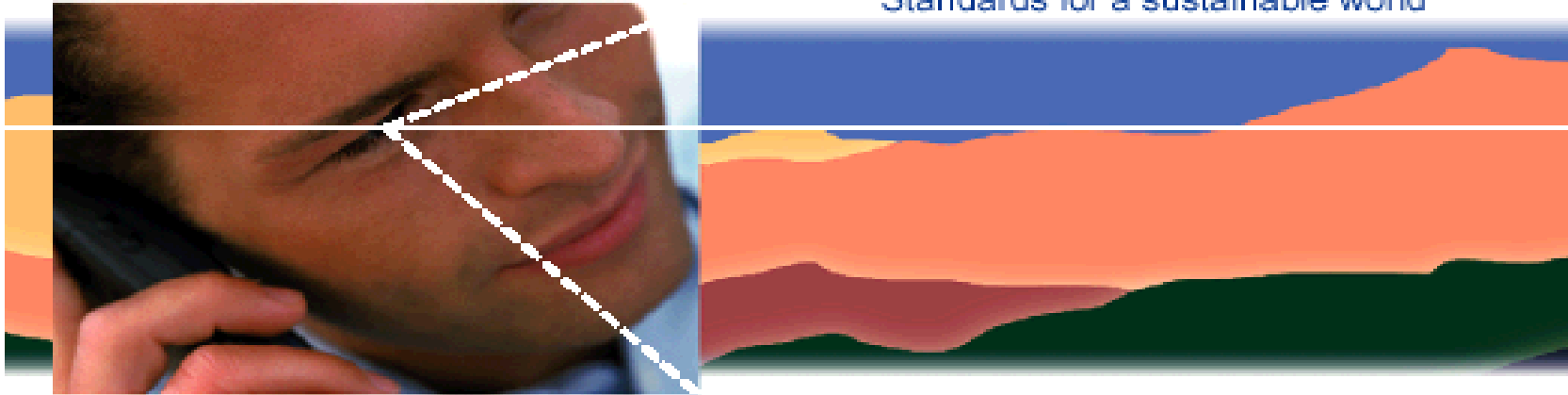
[Clause 2.1,

ISO/IEC 17000:2004(E): *Conformity assessment —*

*Vocabulary and general principles*]

ISO Strategic Plan 2005-2010

ISO Strategic Plan
2005-2010
Standards for a sustainable world

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

1 Standard

1 Test

Accepted everywhere
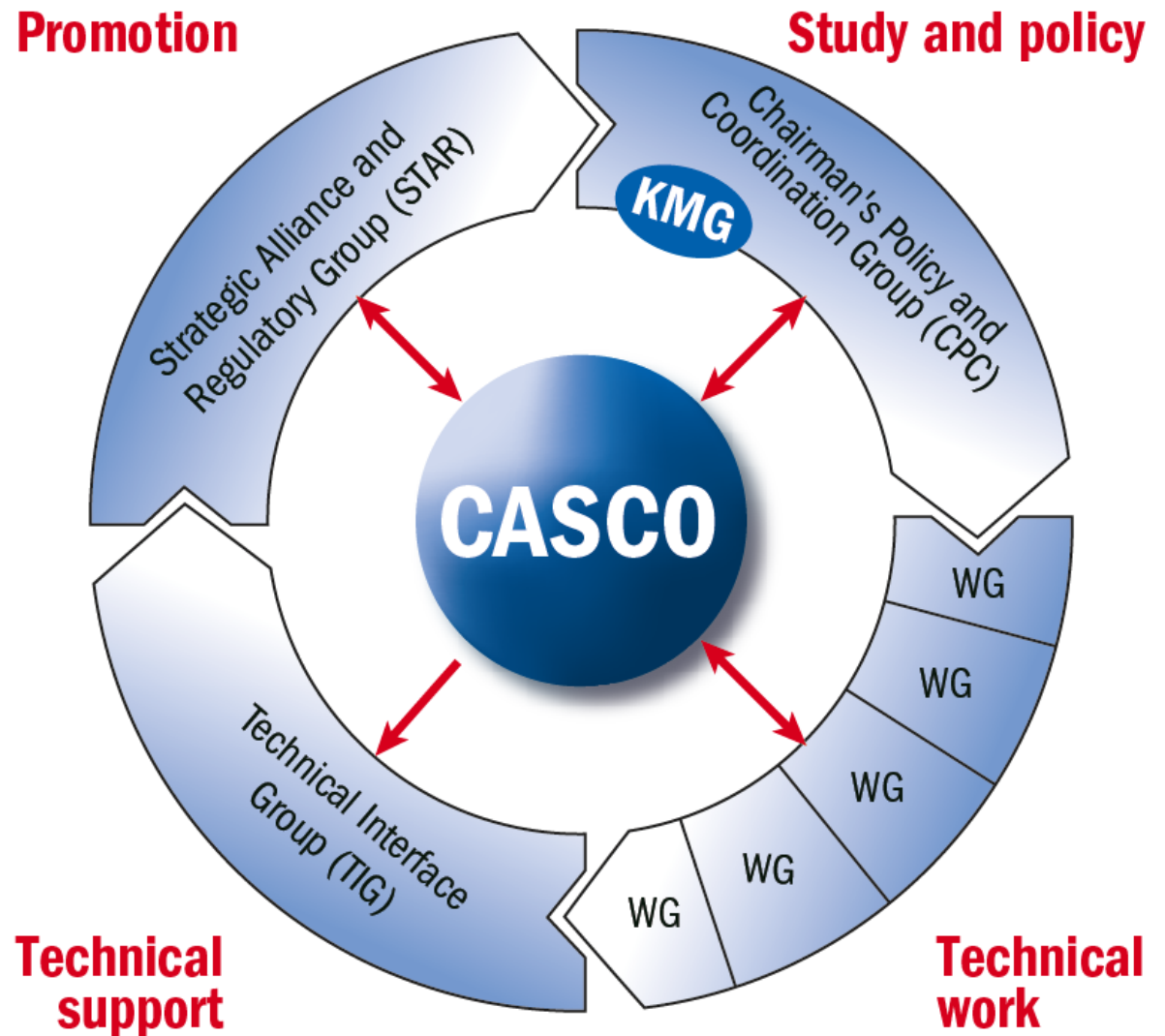
1 CONFORMITY ASSESSMENT
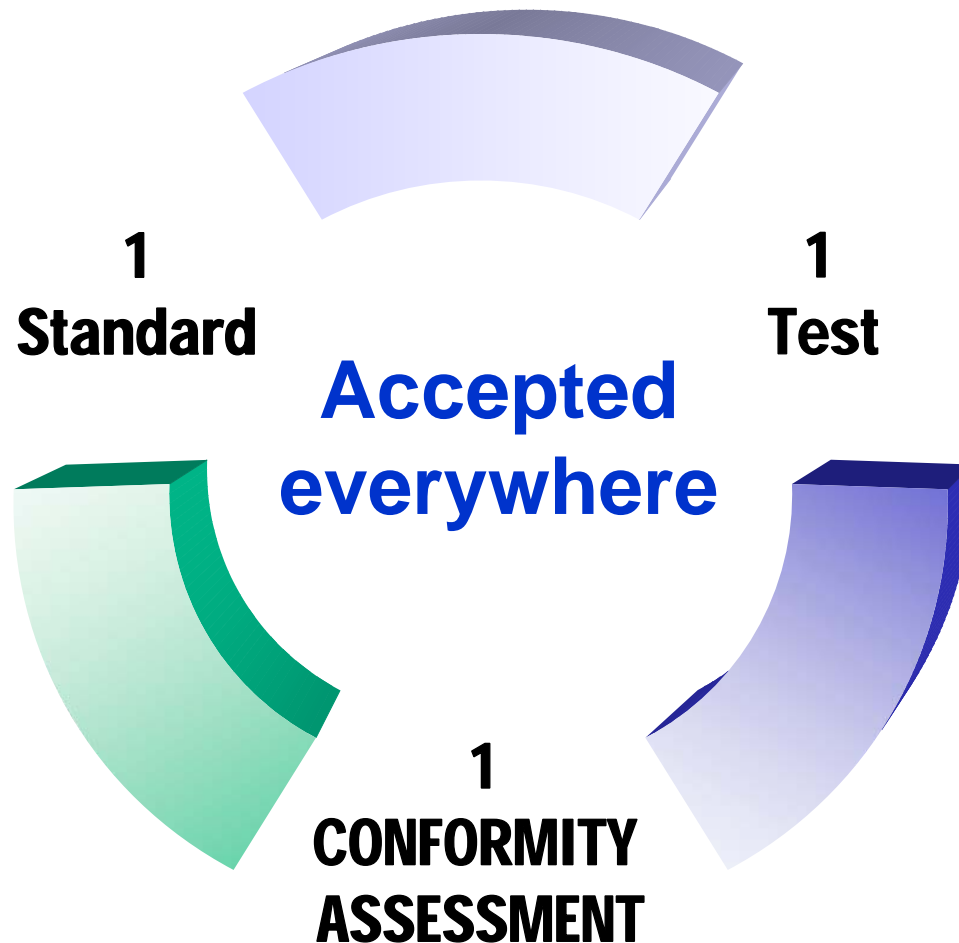
ISO and conformity assessment

- **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.

ISO/CASCO structure

- 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.

Promotion

Study and policy

Strategic Alliance and Regulatory Group (STAR)

KMG

Chairman's Policy and Coordination Group (CPC)

CASCO

WG
WG
WG
WG
WG
WG

Technical Interface Group (TIG)

Technical support

Technical work

CASCO:
The ISO Conformity Assessment Committee

- 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

Subject	Document	Publication date
Vocabulary	17000	2004
Code of good practice	Guide 60	2004
Mutual Recognition Arrangements (MRA's)	Guide 68	2002
Peer assessment	17040	2005
Accreditation	17011	2004
Marks of conformity	17030	2003

Components of the CASCO toolbox (2)

Technical functions

Subject	Document	Publication date
Suppliers declaration of conformity	ISO/IEC 17050	2004
Testing & calibration laboratories	ISO/IEC 17025 Guide 43	2005 1997
Inspection	ISO/IEC 17020	1998
Product certification	Guide 28, 67 Guides 65, 67, 53	2004 96 – 04 - 05
System certification	ISO/IEC 17021	2006
Person certification	17024	2003

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 liasions are approved by the CASCO membershp and category liaisions are aproved by the TMB.

- Liaisons are reviewed at least every two years but within CASCO it is annually for new laisions.

WORLD STANDARDS COOPERATION (IEC/ISO/ITU)

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]

3. **ISO/IEC 27001:2005, = ITU- T. X.1051 (with additional Telecomm's control requirements).**

[ISO/IEC 27001:2005, *Information Technology – Security Techniques – Information Security Management Systems – Requirements*]

Supporting technical regulations and public policies
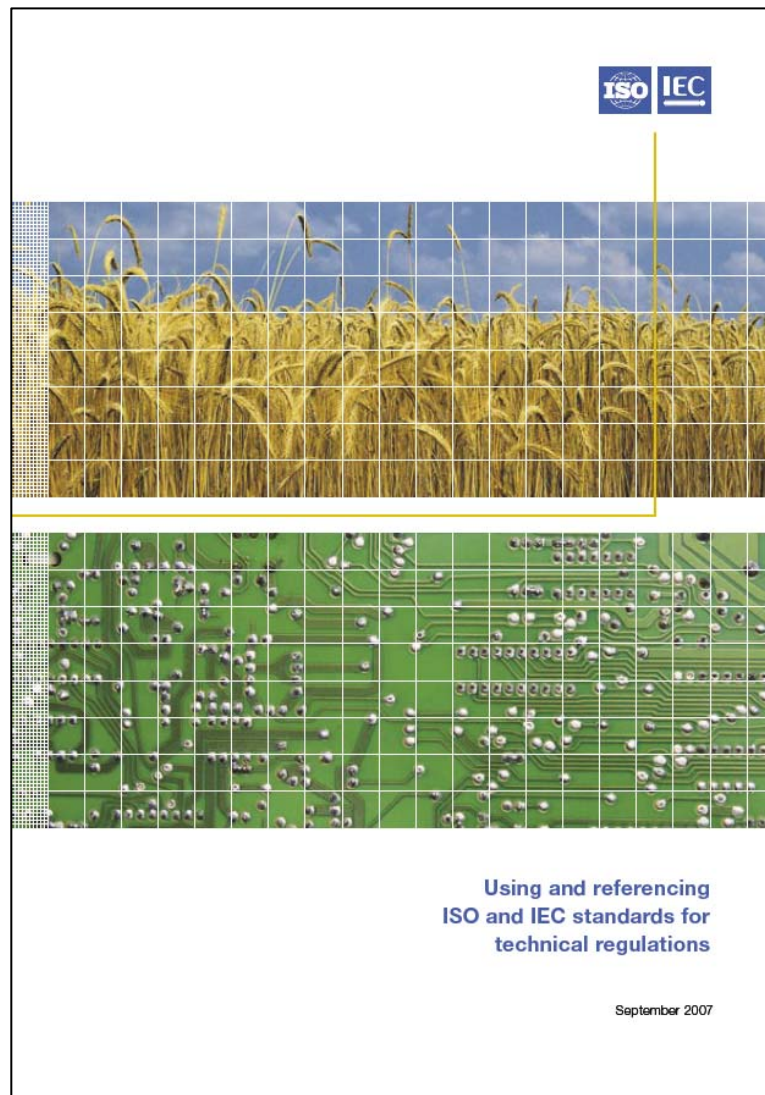
ISO

Thank you for your attention !

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