

Session 1 - Introduction to ISO, IEC and CASCO



Contents

- ISO
- IEC
- CASCO

ISO



Introduction to ISO

- A global network of national standards bodies with one member per country – 162 member countries
- ISO develops International Standards - > 22,000 so far
- 300+ technical committees developing/revising 100+ standards every month
- Coordinated by a Central Secretariat in Geneva



The ISO system



What members do?

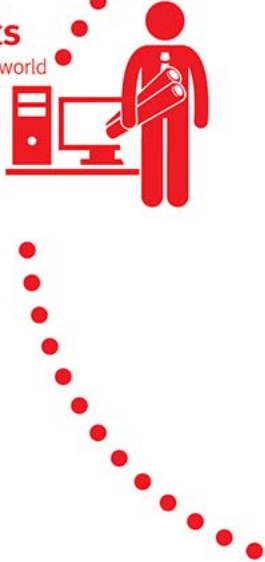


- Represent ISO in their country
- Approve standards by voting
- Enable national experts and stakeholders to participate in standards development
- Propose new standards



Experts

Around the world



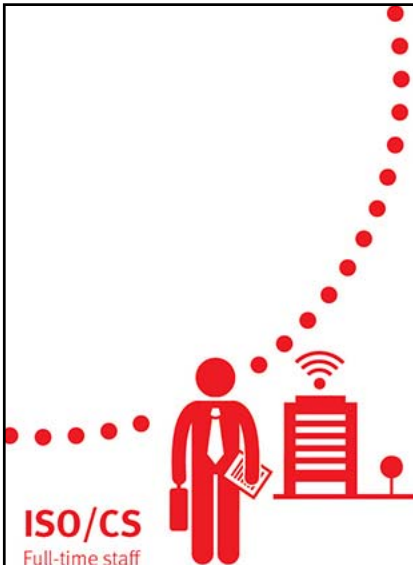
What experts do?

- Write the standards
- Nominated by members but can also come from partner organizations like the United Nations and other key players



ISO/CS

Full-time staff



What ISO/CS does?

- Facilitates participation in standardization
- Provides a neutral platform for the experts to get together and achieve consensus
- Coordinates the standards development process



IEC



IEC International Electrotechnical Commission

Standards Development (SD)

- International Standards
- Since 1906

Conformity Assessment (CA)

- Global CA Systems
- Since 1974



Standards development (SD) & Conformity assessment (CA) activities

	SD	CA
IEC	✓	global services
ISO	✓	-
ISO/IEC	ISO/IEC 17000 series International Standards for CA	



Standards development (SD) & conformity assessment (CA) activities

Confidence = Value



Standards and Conformity Assessment
are like two sides of a coin...

...neither side has value without the other side

Standards + Conformity Assessment = Value
= Confidence



IEC Global conformity assessment Systems

- IECEE
- IECEX
- IECCQ
- IECRE

→ Requested by the market

→ Paid for by the market

→ Creating value for the market



IEC in figures

▪ IEC Family (Members & Affiliates)	86 + 85 = 171
▪ Number of Technical Committees	204
▪ Number of System Committees	5
▪ Number of experts	approx. 20 000
▪ Number of publications in catalogue	over 10 000
▪ Conformity Assessment Systems	4
▪ Number of CA certificates	More than 1 million
▪ Number of CABs	almost 1 000

IEC offices – on 6 continents



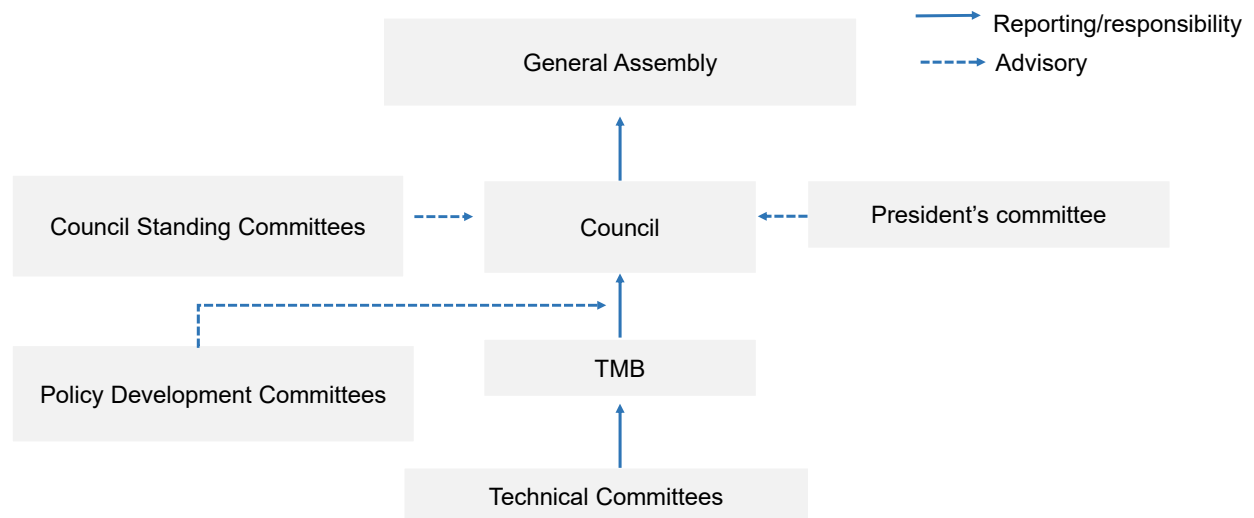
CASCO
Stands for “**C**onformity **A**ssessment
Committee”

CASCO

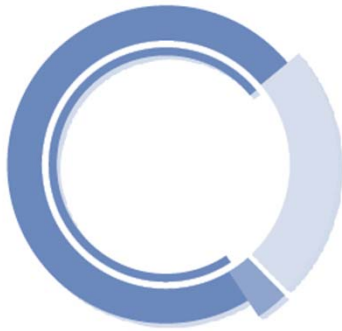
- Is a policy committee that reports directly to ISO council and ensures a consistent approach to conformity assessment.
- Develops standards jointly with IEC related to conformity assessment practices. These are the ISO/IEC 17000 series standards referred to as the CASCO Toolbox.
- Does not perform conformity assessment activities.



ISO governance system



ISO CASCO members



162 national members

120 full members

39 correspondent membres

3 subscriber membres



ISO/IEC 17000 series

The development of the ISO/IEC 17000 series allows a harmonized and consistent approach to conformity assessment which positively impacts market access and facilitates international trade



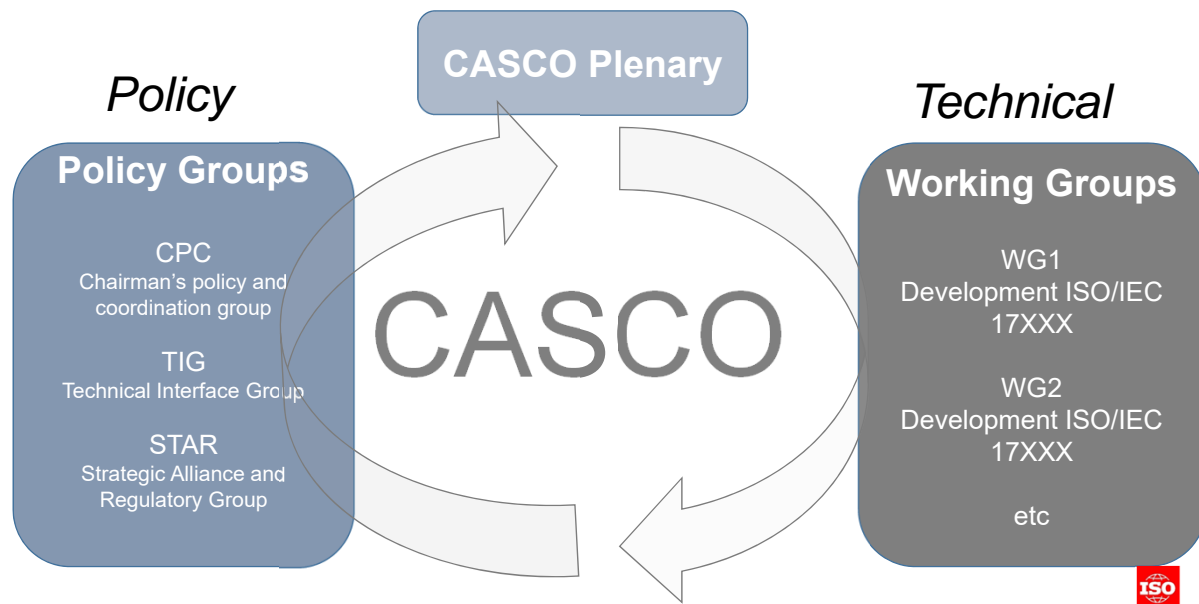
ISO/IEC 17000 series

Generic standards for the operation of:

- conformity assessment bodies
 - laboratories,
 - certification bodies
 - inspection bodies
- accreditation bodies
- peer evaluation and other associated activities
- etc



CASCO structure



For more information

<https://www.iso.org/casco.html>

<https://www.iso.org/resources-for-conformity-assessment.html>



Thank you

