

SAACB

3RD Annual Conference
13 September 2019

Frank Makamo
CASCO Chair





164
members

22000+
International Standards

249+
technical
committees

45 000+
experts



ISO STRATEGY(2016 – 2020)

- ISO standard used everywhere
- Develop high quality standards
- Engage stakeholders and partners
- Use of technology
- Communication



ISO is an independent, non-governmental organization.



ISO is a global network of national standards bodies with one member per country.



Core responsibility is to develop International Standards.



ISO activities are coordinated by a Central Secretariat in Geneva, Switzerland.



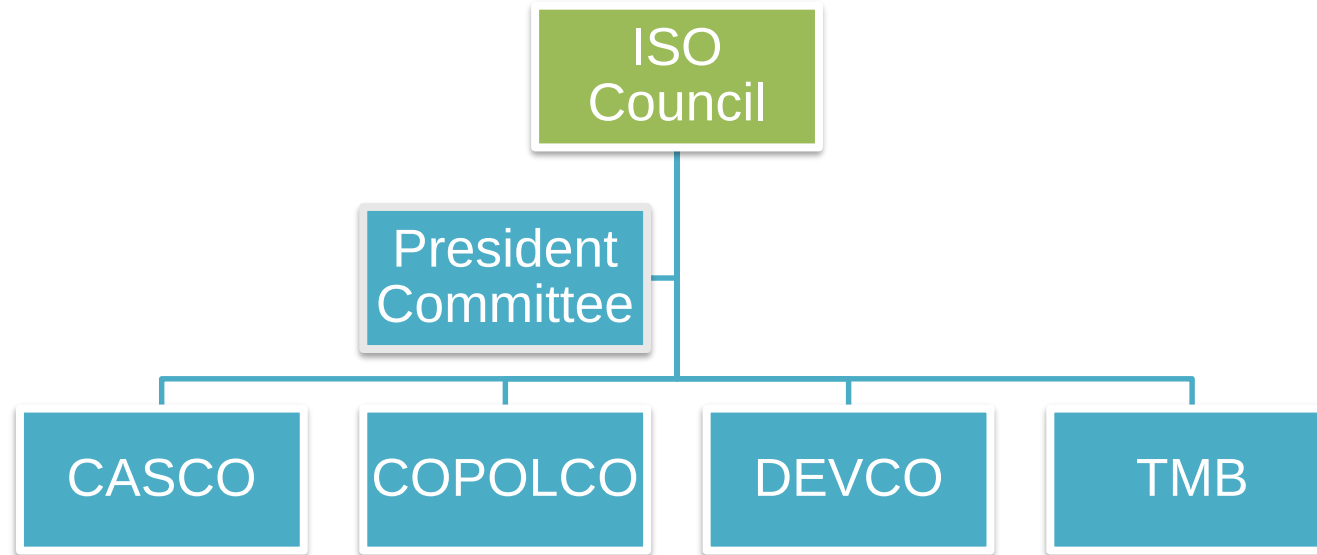
ISO generate its revenue through selling of standards and membership fees – not a profit organization.



ISO provides a platform for developing practical tools through common understanding and cooperation with all stakeholders.



Structure & Governance



ISO Council

- Council takes care of most governance issues
- Meets thrice per annum (one ISO GA)
- It is made up of 20 member bodies, ISO officers and the chairs of policy developments committees

ISO Committees on policy development

- **President Committee** – advises Council and oversee implementation of decisions taken
- **CASCO** – provides guidance on conformity assessment
- **COPOLCO** – provides guidance on consumer issues
- **DEVCO** – provides guidance on matters related to developing countries
- **TMB** – management of technical work, responsible for technical committees



What is ISO-CASCO

- CASCO is the ISO committee on conformity assessment
- It has 139 members from countries across the world
- CASCO develops conformity assessment standards that positively impact market access and facilitate international trade
- Partnership with 22 international organizations(ILAC, IAF, ITU, IQNet, etc.)
- It holds its plenary and workshops once every year(plus 2 meetings)
- ISO CASCO chair is a member of the ISO Council.

Policy groups : work on *conformity assessment policies*

Coordinates the technical work of Casco and assists the Casco Chair in identifying strategic conformity assessment issues

Chairman's policy and coordination group (CPC)

Liaises with other ISO technical committees (TCS)

Technical interface group (TIG)

Provides a forum for industry sectors and regulators to interact with CASCO

Strategic Alliance and Regulatory Group (STAR)

Technical working group : development of *conformity assessment standards*

Standards' development work is carried out by working groups made up of experts put forward by the ISO Member Bodies

WG

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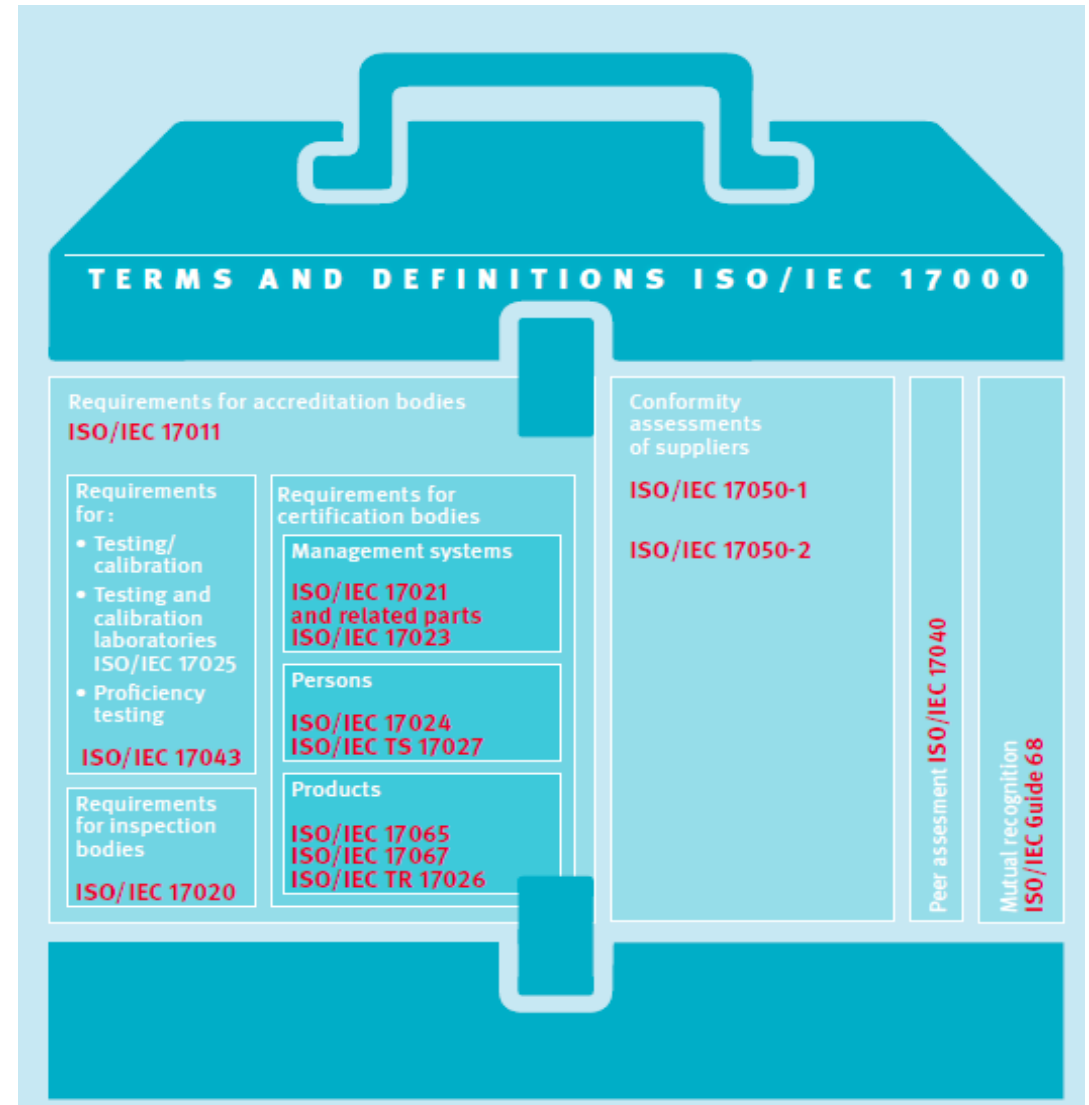
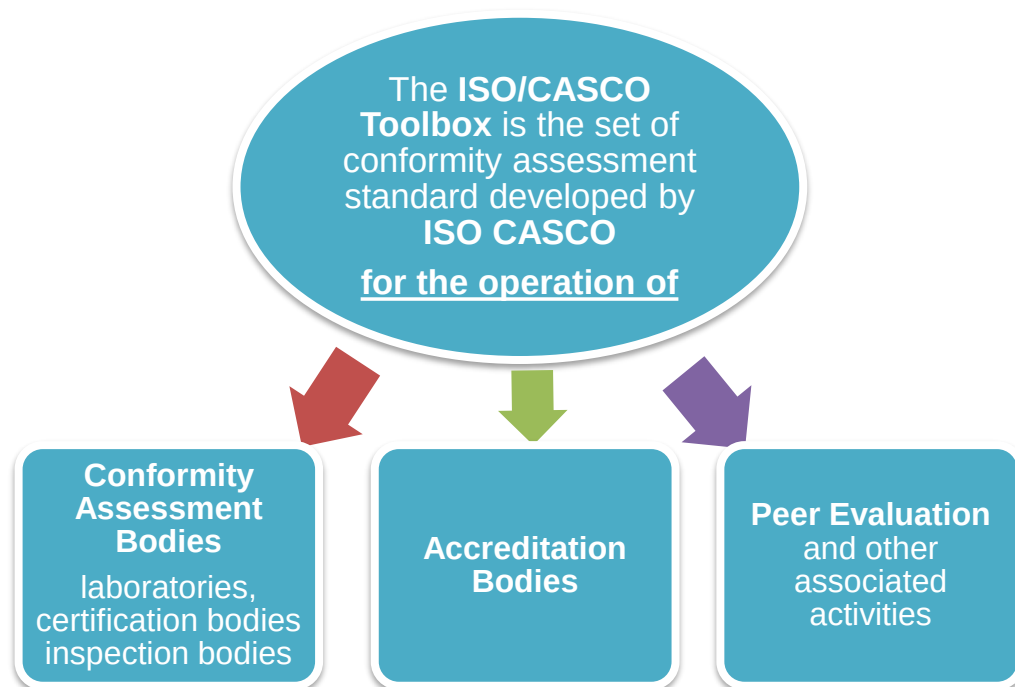
WG

Working Group (WG)

CASCO

ISO / CASCO

On conformity assessment



The 4th Industrial Revolution





The Industrial Revolution journey

1st INDUSTRIAL REVOLUTION

IRON

TEXTILE



STEAM ENGINE

Mechanical production

1784

1800

2nd INDUSTRIAL REVOLUTION

TELEPHONE



Mass production



PHONOGRAPH

LIGHTBULB



1900

1947
ISO

3rd INDUSTRIAL REVOLUTION

CELLPHONE



Automation



INTERNET

PERSONAL COMPUTER



2000

4th INDUSTRIAL REVOLUTION



IOT

NANOTECHNOLOGY



ARTIFICIAL INTELLIGENCE



ROBOTICS



Connectivity

TODAY



4th industrial revolution

ISO/TC 22/SC 31
Data communication



ISO/TC 307
Blockchain and distributed ledger technologies



ISO/TC 299
Robotics



ISO/TC 229
Nanotechnologies



ISO/TC 261
Additive manufacturing



**ISO/IEC JTC 1/
SC 42**
Artificial intelligence



ISO/TC 276
Biotechnology



SOME
INTERNATIONAL
STANDARDS
**SUPPORTING
THE 4TH
INDUSTRIAL
REVOLUTION**

ISO/TC 22
Road vehicles/AG 1,
Automated driving
ad hoc group



ISO/TC 204
Intelligent transport systems



Thank you !

