

Overview and Masterplan

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International
Electrotechnical
Commission

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- Overview of IEC
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Biggest trade good in the world

**World trade in electronics
& electrical devices: 19.6%**
(USD *3,757 trillion)

Primary energy: 13%
(USD 2,500 trillion)

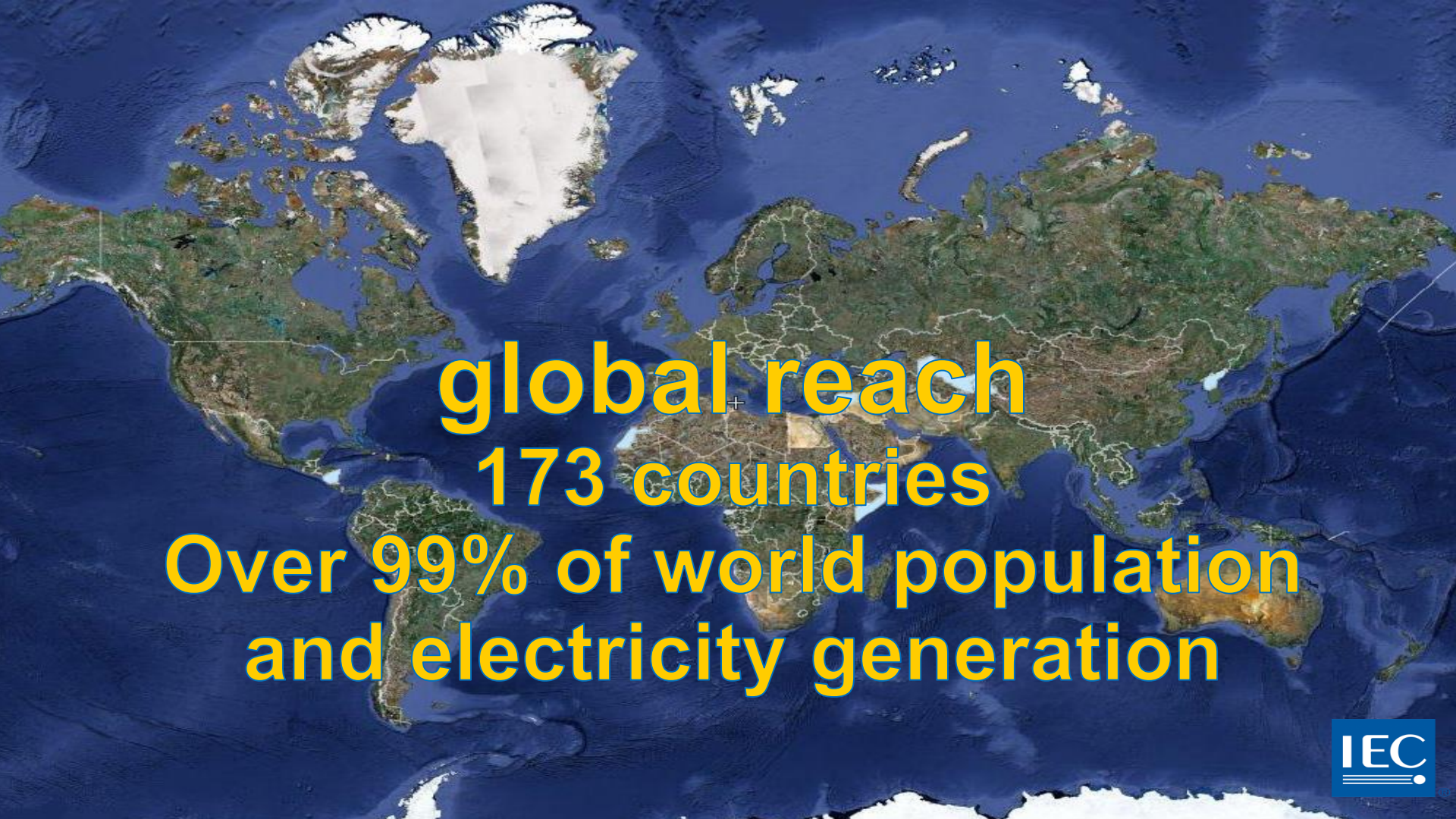
Vehicles: 7.9%
(USD 1,520 trillion)



Scope of the IEC

strengthen global trade in
electrical and electronic
devices, innovation,
infrastructure
development, smart
urbanization,
transportation, energy
access and efficiency,
safety, security of people
and the environment



A satellite map of the world, centered on the Atlantic Ocean, showing the continents of North America, South America, Europe, Africa, Asia, and Australia. The map is overlaid with yellow text.

global reach
173 countries
Over 99% of world population
and electricity generation

Global knowledge platform

- <20 000 experts
- > 206 TC/SCs
- 10 000 International standards
- > 1 million certificates issued



IEC offices

Where we are

Our Offices [IEC National Committees](#) [IEC Affiliate Countries](#)



IEC Africa



IEC-AFRIC

IEC Africa Regional Centre
7th Floor, Block One, Eden Square
Chiroromo Road, Westlands
P.O. Box 856
00606 Nairobi, Kenya
Tel : + 254 20 3673000
✉ François Ahoti | ✉ Evah Oduor
[More about the IEC-AFRIC Office](#)

IEC Asia-Pacific



IEC-APRC

IEC Asia-Pacific Regional Centre
2 Bukit Merah Central #15-02
(former SPRING Singapore building)
Singapore 159835
Singapore
Tel : + 65 6377 5173
✉ Dennis Chew
[More about the IEC-APRC Office](#)

IEC Latin America



IEC-LARC

IEC Latin America Regional Centre
Av. Paulista, 2300 – Pilotis Floor
Cerqueira, César
São Paulo - SP - CEP 01310-300
Brazil
Tel : + 55 11 2847 4672
✉ Amaury Santos
[More about the IEC-LARC Office](#)

IEC North America



IEC-ReCNA

IEC Regional Centre for North America
446 Main Street
16th Floor
Worcester, MA 01608
U.S.A.
Tel : + 1 508 755 5663
✉ Tim Rotli
[More about the IEC-ReCNA Office](#)

IEC Central Office & IECEE/IECRE Secretariat



IEC Central Office

3, rue de Varembe, P.O. Box 131
1211 Geneva 20
Switzerland
Tel : + 41 22 919 02 11
✉ IEC Central Office
[More about the IEC Central Office](#)
[Visit the IECEE & IECRE websites](#)

IECEX/IECQ Secretariat



IECEX/IECQ Secretariat

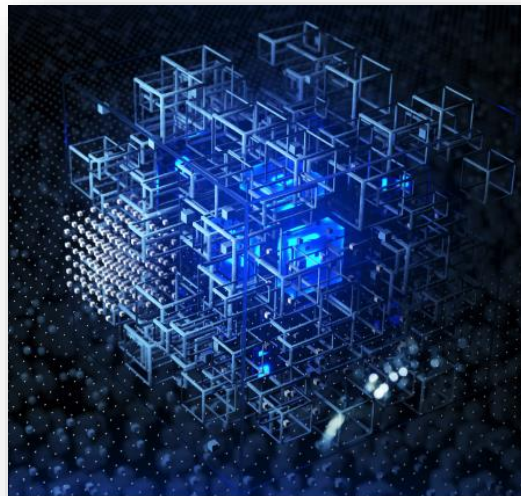
The Executive Centre
Australia Square, Level 33
264 George Street
Sydney NSW 2000
Australia
Tel : +61 246 28 4690
✉ Chris Agius
[Visit the IECEX & IECQ websites](#)

New IEC White Papers



Technology Report

Cyber security and resilience guidelines for
the smart energy operational environment



White Paper

Semantic interoperability: challenges in
the digital transformation age

New committees



**TC 125 Personal e-transporters
(PETs)**

Secretariat – Belgium

PC 126 Binary generation systems
Secretariat – Japan

PC 127 Low voltage auxiliary power
Secretariat – China



IEC Masterplan - what is it?

Implementation process

- Development of detailed solutions for deliverables in 2019
- Validated by CB in 2018

Detailed information
in C/2119/DV



A large school of silver fish, possibly sardines or anchovies, swimming in clear blue water. The fish are densely packed in the center and left, with some individuals visible in the foreground and background. The water is a deep blue, and the lighting is bright, creating a sense of depth and movement.

Vision:
IEC everywhere for
a safer, more
efficient world.



1. Market and societal relevance

- responding effectively to market and society needs
- bringing together all relevant stakeholders
- providing innovative solutions to collaborate with other organizations

2. Sustainable business model

- inspiring trust in and worldwide use of the IEC brand
- securing long term stability through a diverse and sustainable revenue mix
- establishing strong legal foundations for the entire business model



3. Flexible organization

- achieving a transparent governance structure that addresses opportunities and challenges
- ensuring IEC work is relevant and used everywhere
- representing all relevant interests at all levels
- attracting the world's best leaders and experts



4. Agile operations

- embracing new ways of working
- creating flexible, efficient and cost effective processes and operations
- providing state-of-the-art IT tools



How IEC Standards are developed



International
Electrotechnical
Commission

Development of International Standards

Governing principles:

1. Transparency
2. Openness
3. Impartiality and consensus
4. Efficiency and relevance
5. Coherence
6. Address the concerns of developing countries

(Based on World Trade Organization document [G/TBT/1/Rev.12](#), January 2015)

Who does what

National level



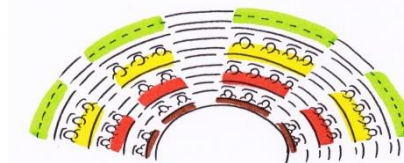
National committees

62 Full members
24 Associate members
85 Affiliates



National mirror committee

International level



IEC

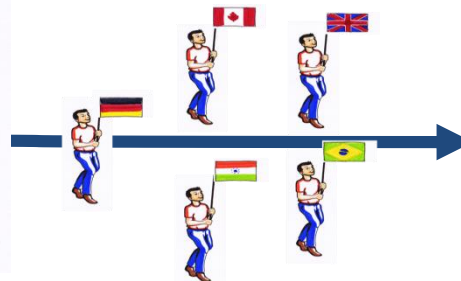
207 TC/SCs
~ 20 000 Experts
~ 10 000 Standards



Technical committees

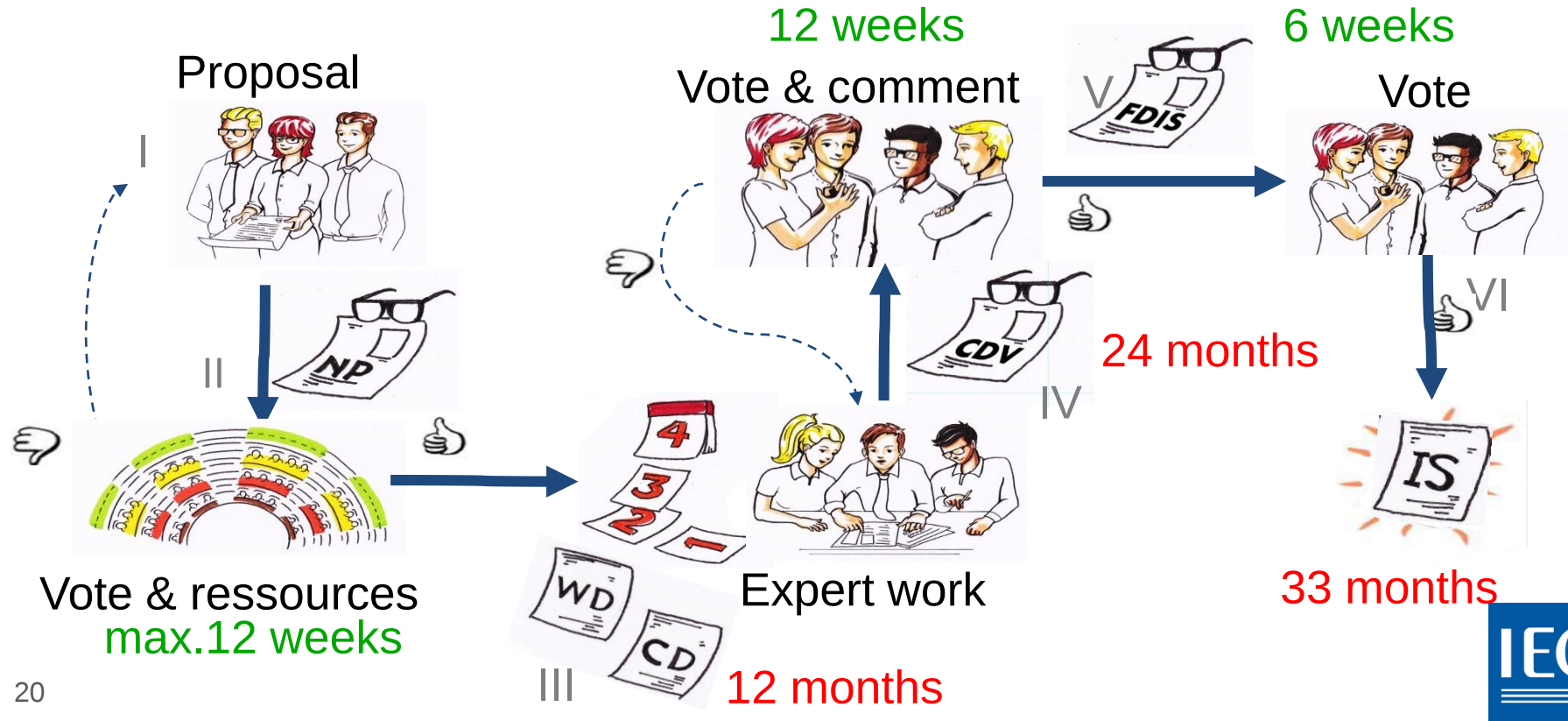
National adoption

National delegation principle



Delegates & experts

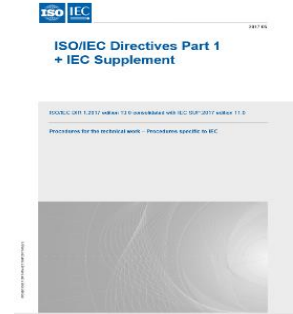
IEC standardization process



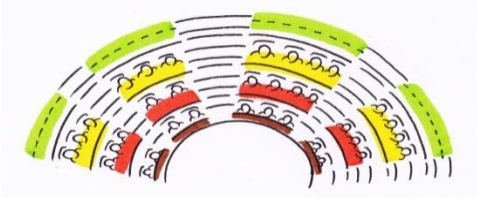
IEC standardization process



Transparent process
Rule based



National delegation principle
Equal representation



Open and inclusive



Maintenance review

Date for review agreed during CDV or FDIS vote

- withdraw standard?
 - no change needed?
 - revision/amending needed?
-
- Review Report – TC starts work

Thank you for your attention!

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