



IEC CAB Update to IECEx

Shawn Paulsen
IEC Vice President
IEC CAB Chair

IECEX MC Meetings
October 1st, 2020
Virtual Meeting



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

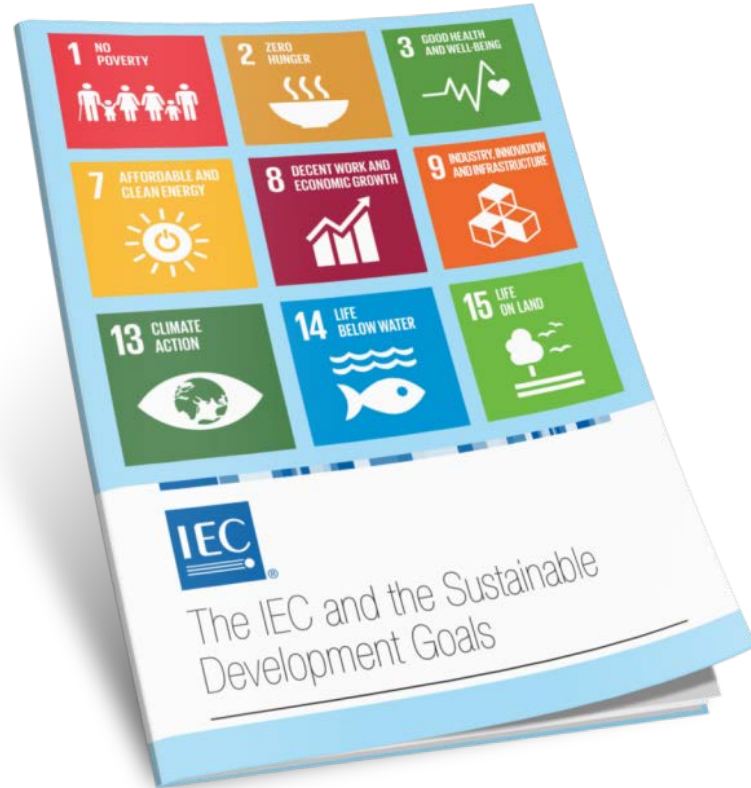


Strategic objectives

- **Market and societal relevance**
- **Sustainable business model**
- **Flexible organization**
- **Agile operations**



IEC and the UN SDGs





IEC Initiatives

- **Governance Review**
- **Risk Management**
- **Diversity**
- **Masterplan High Level Review**
- **IEC Copyright Policy**



IEC Board Collaboration

- **Standards & Conformity Assessment Cooperation**
- **Guidance to TCs/SCs for CA when writing standards**
- **IEC CA Systems feedback loop from CA to SD**
- **Liaisons**
 - **SMB SG 11 Hot Topics & CAB New CA Services Radar**
 - **SMB AhG 84 SDGs**
 - **ACEE, ACSEC, and others**
 - **CAB, SMB, MSB collaboration on Market Evaluation**
 - **CAB, SMB, MSB collaboration on White Paper**

IEC Academy & Basecamp

International Electrotechnical Commission

International Standards and Conformity Assessment for all electrical, electronic and related technologies

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→ Academy


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Reference Material



Roles & responsibilities of TC/SC officers, WG/MT convenors, PT leaders & experts




Processes & Procedures for the development and maintenance of International Standards




Tools & services for NCs, TC/SC officers, WG/MT convenors, PT leaders & experts


eLearning



Training IEC Central Office training activities for NCs and TC/SC chairmen and secretaries



IEC YP eLearning IEC Young Professionals Training Course



IEC ACAS eLearning Learn more about IEC Conformity Assessment activities

Webinars and Training Workshops

Date	Time	Title	Location	PDF
2018-01-15	09:30-10:30	New IEC Collaboration Platform - Introduction	Play ▶	3.12MB
2018-01-15	14:30-15:30	New IEC Collaboration Platform - Introduction	Play ▶	
2018-01-10	09:30-10:30	Standards Development Processes	Play ▶	629KB
2018-01-18	14:30-15:30	Standards Development Processes	Play ▶	
2018-01-25	09:30-10:30	New IEC Collaboration Platform - Introduction	Play ▶	3.12MB
2018-01-25	14:30-15:30	New IEC Collaboration Platform - Introduction	Play ▶	
2018-02-20	09:30-10:30	Drafting of Standards	Play ▶	1.48MB
2018-02-20	14:30-15:30	Drafting of Standards	Play ▶	
2018-03-13	09:30-10:30	Conformity Assessment and Standards Development	Play ▶	1.54MB
2018-03-13	14:30-15:30	Conformity Assessment and Standards Development	Play ▶	
2018-04-10	09:30-10:30	Best Practices for WG Convenors and Project leaders	Play ▶	2.13MB
2018-04-10	14:30-15:30	Best Practices for WG Convenors and Project leaders	Play ▶	
2018-05-15	09:30-10:30	IEC Standardization Project Management System	Play ▶	1.58MB
2018-05-15	14:30-15:30	IEC Standardization Project Management System	Play ▶	
2018-05-23	09:30-10:30	The new IEC Collaboration Platform - Training for all users	Play ▶	3.05MB
2018-05-23	15:00-16:00	The new IEC Collaboration Platform - Training for all users	Play ▶	
2018-05-06	09:30-10:30	The new IEC Collaboration Platform - Training for all users	Online	
2018-06-06	15:00-16:00	The new IEC Collaboration Platform - Training for all users	Online	
2018-06-12	09:30-10:30	IEC Systems Committees and Technical Committees	Play ▶	
2018-06-12	14:30-15:30	IEC Systems Committees and Technical Committees	Play ▶	
2018-07-10	09:30-10:30	Kaizen - better standards through user feedback	Online	


IEC Basecamp

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FILES AVAILABLE FOR DOWNLOAD




Publications



Multimedia



Presentations



Tools & Documents

Search

QUICK LINKS TO WEB CONTENT

- White Papers
- Low-voltage direct current (LVDC)
- IEC e-tech
- Affiliate Countries
- YP Programme
- Global Visions

- IEC Masterplan
- Smart Cities
- Smart Grid Standards Map
- World plugs & sockets
- Smart Grid
- Functional Safety

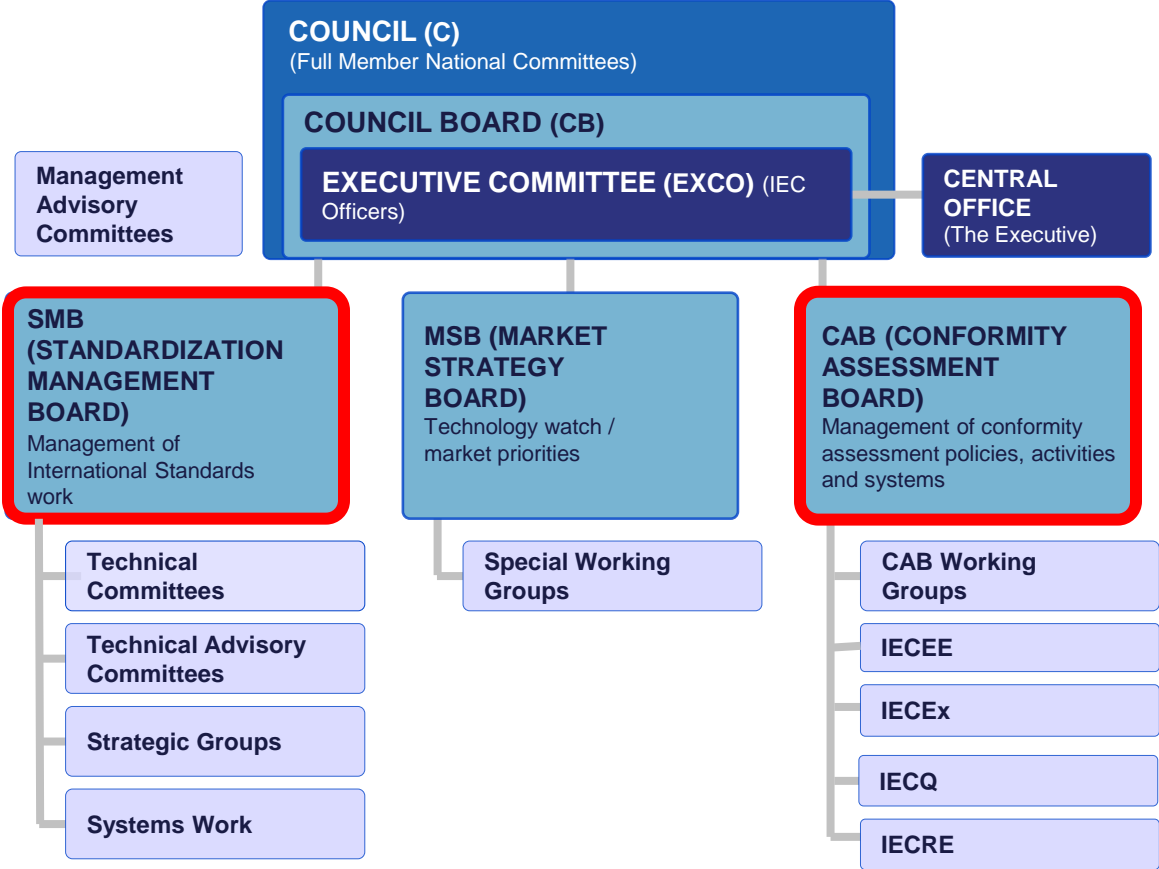
- SDG - Sustainable Development Goals
- Smart Electrification
- EMC - Electromagnetic Compatibility
- Renewable Energies
- Electrical Energy
- SI - International System of Units

<http://www.iec.ch/academy/>

<https://basecamp.iec.ch/>



IEC Structure





IEC Conformity Assessment Board

- **IEC CAB**
 - IEC's policy-making board
 - All aspects of IEC's CA activities
 - Oversight of the IEC CA Systems: IECEE, IECEX, IECQ, IECRE
- **CAB Working Groups**
 - WGs 10, 11, 14, 17, 18
- **High Value Cooperation with International Bodies**
 - ISO/CASCO – Development of CASCO Toolbox
 - IAF and ILAC – Cooperation with Accreditors
 - ITU, UNECE, OIML, WTO, and so on



Major CAB Activities

- **Harmonized Basic Rules (HBR) for CA Systems**
 - HBR ed.2.3
- **MPIP, CA Directives, Standards Guidelines**
- **Cyber security**
 - New service based on IEC 62351 for Energy Sector
 - 62443 Series as base standards
 - Liaison and MoU with ENISA
- **New CA Services Radar**



Major CAB Activities

- **FinCom**
- **Lessons Learned Analysis**
- **IEC Board Self-Assessment**
- **IEC/ILAC/IAF Steering Committee**
- **ACAS: Affiliate Conformity Assessment Status**



Major CAB Activities

- **Centralized Document System**
- **Radio CB Scheme**
- **Environmental Issues**
- **Bilateral/Multilateral Agreements**
- **Cooperation with International Organizations**
- **2020 Lord Kelvin Award**



CAB Publications

- **CAB Policy**
- **Good Working Practice**
- **Harmonized Basic Rules Ed. 2.3**
- **Promotional Matrix**
- **Peer Assessment Fundamentals**
- **Risk Management Grid**
- **Systems Approach to CA**
- **Vademecum**
- **CABPUB Procedures**



Update of the Four IEC CA Systems

IECEE: Electric products and components

- 54 MBs, 89 NCBs, 529 TLs, 2065 Customer Test Facilities, >110,000 Test Cert. (2019)

IECEX: Explosive atmospheres (TC 31)

- > 109,000 certificates, 35 MBs
- 22% growth rate

IECQ: Quality assessment for Elect. components

- > 9,000 certificates; Cert. holders in 41 countries
- Market Driver: B to B qualification.

IECRE: Renewable Energies (TC 82, TC 88, TC 114)

- 3 sectors: PV-Solar, Wind & Marine;
- 14 MBs, 11 RECBs, 30 RETLs, 4 REIBs

IECEX

Leader

CA objects of conformity



CERTIFIED

- Product certification
- People certification
- Process certification
- Certification of services
→ essentially process & people



IECEx

Leader Certification Services



CERTIFIED

- IECEx Certified Equipment Scheme
- IECEx Certified Service Facilities Scheme
- IECEx Certification of Personnel Competencies
- IECEx Certified Mark Licensing System
- IECEx Mobile App.



IECEx

Congratulations



**KEEP IT
GOING**



Thank you!

IEC CAB website www.iec.ch/cab

IECEE website www.iecee.org

IECQ website www.iecq.org

IECEX website www.iecex.com

IECRE website www.iecre.org

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