



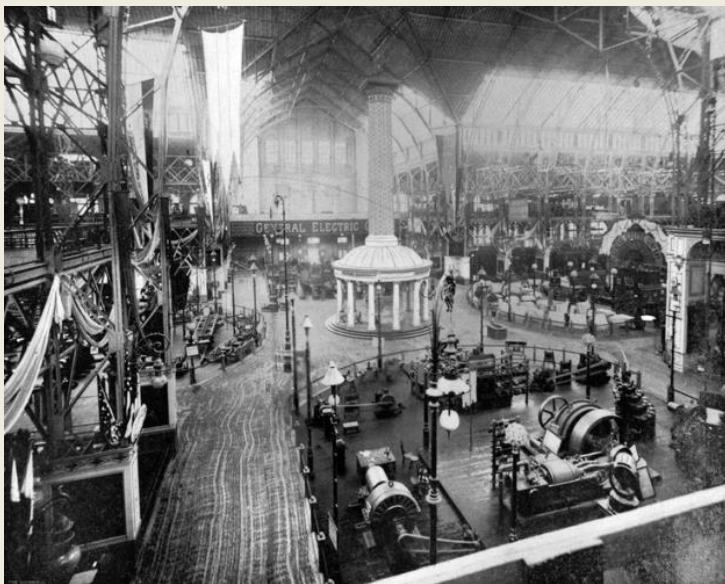
IECEX ExTAG Meeting – 5 September 2022 Remote Agenda item 4: Secretariat Updates

Chris AGIUS + Christine KANE

IECEX Secretariat



IEC: the beginning.....
St. Louis 1904: palace of electricity

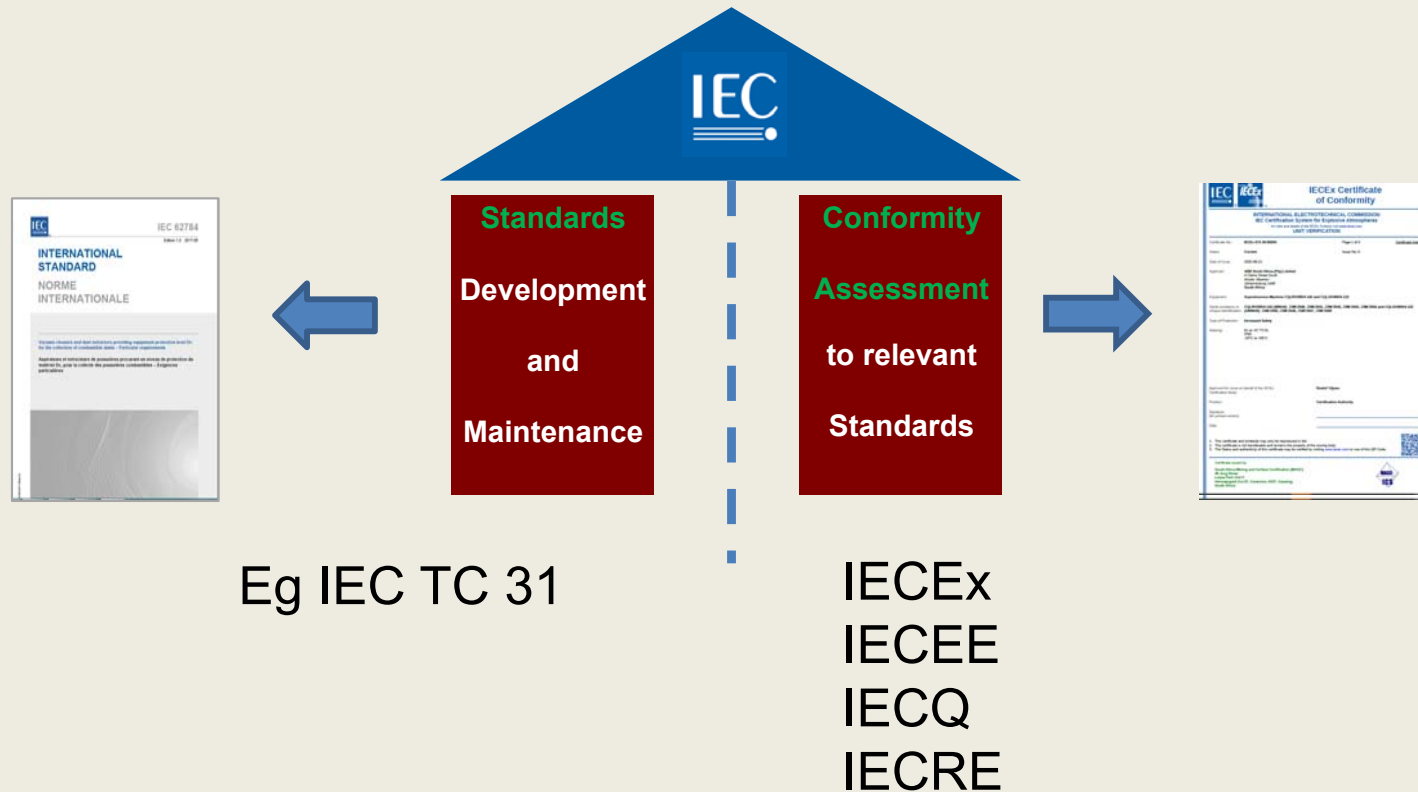


- International Electrotechnical Commission (IEC) – Swiss incorporated Not For profit Company
- Officially formed in 1906 – Lord Kelvin the first IEC President
- Formed to serve needs of industry
- Continues to evolve to the needs of industry

During the 1904 Convention of Scientists it was felt that a need exists to “*Standardise on Terminology*” when discussing Electrotechnology, thereby planting the seed for IEC. In 1906 IEC was formed with TC 1 “Terminology” the first Committee of IEC and still exists today.



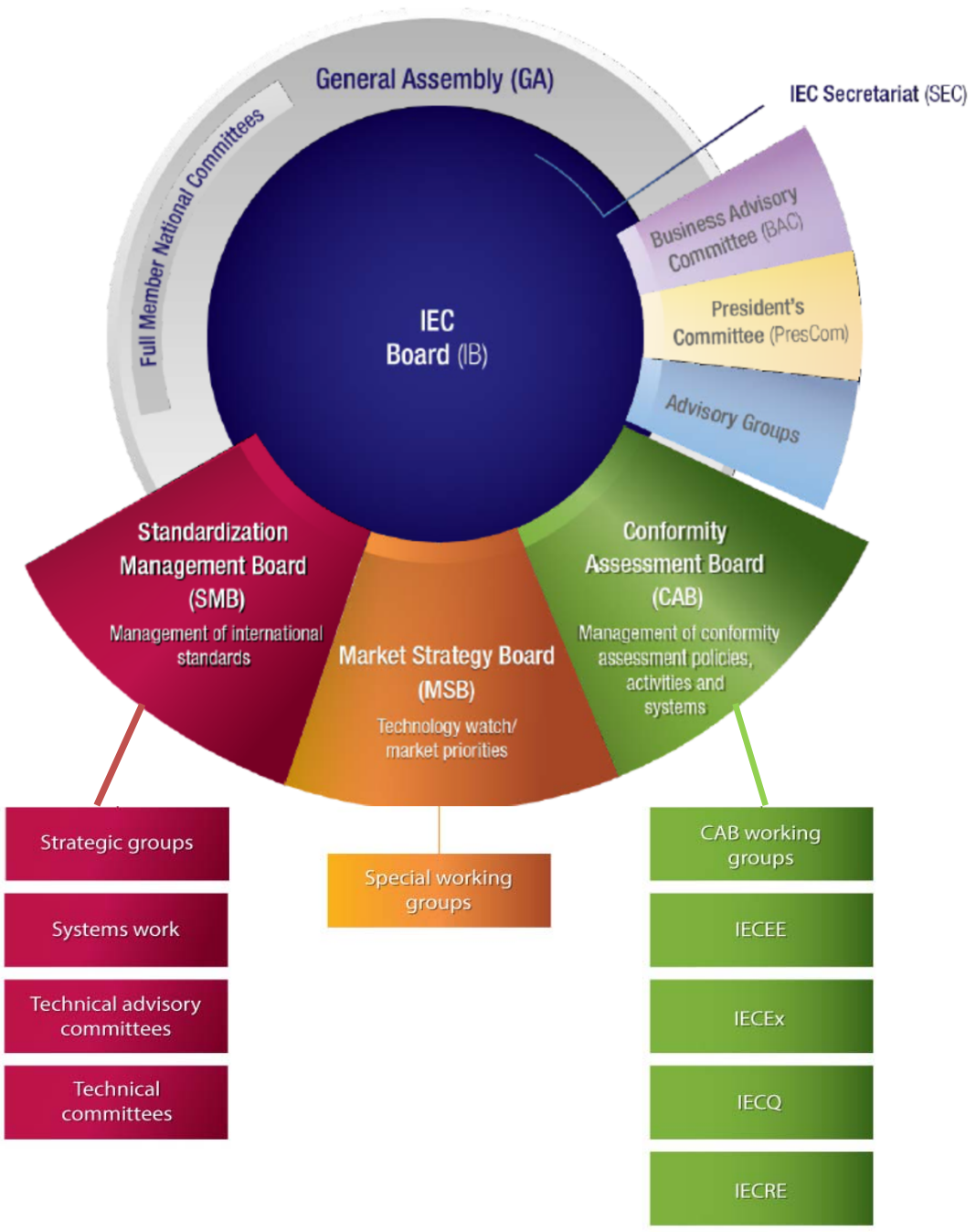
Not just a Standards writing Body!



The 2 Sides to the House of IEC:
Standards Development + Conformity Assessment



IEC / IECEx: Overview of Governance Structure




 International Electrotechnical Commission
 Commission Electrotechnique Internationale
 Международная Электротехническая Комиссия

STATUTES AND RULES OF PROCEDURE

(2021 edition)

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International Electrotechnical Commission, 3 rue de Varembe, PO Box 131, 1211 Geneva 20, Switzerland
 T +41 22 919 02 11 • mgmt@iec.ch • www.iec.ch

IEC STATUTES AND RULES OF PROCEDURE

(2021 edition)

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STATUTES

CONFORMITY ASSESSMENT SYSTEMS (Article 17)

The conformity assessment (CA) work of the Commission is carried out by CA systems (IEC CA Systems), each having a different scope of activity as decided by the Conformity Assessment Board (CAB) to which the IEC CA Systems report. The CAB delegates the management and operational responsibility related to the IEC CA System's activities to each IEC CA System's management committee. The CAB supervises the IEC CA Systems' management committees, has the authority to disband them (and/or the IEC CA Systems themselves), and is empowered with any measure described in these Statutes and the Rules of Procedure. In consultation with the relevant CA System's management committee, the CAB may modify the Basic Rules of any of the IEC CA Systems on its own initiative.

Full and Associate Member National Committees, or fully representative governing bodies reporting to them, remaining under their instruction and notified by them, are eligible to seek membership of the IEC CA Systems. A body from a non-IEC member country may, with the concurrence of the IEC Board regarding general Commission policy and satisfying the specific requirements for membership of an IEC CA System, be admitted to that CA activity. Suspended National Committees, or bodies notified by them for IEC CA System membership, shall not be permitted to retain or be admitted to membership of any CA activity during the period of suspension.

IEC CA Systems are set up, modified, or disbanded by the CAB. They may create and delegate responsibilities to bodies in accordance with the Basic Rules, which are approved or modified by the CAB. Each IEC CA System is governed by a management committee composed of member bodies (representatives of National Committees, or bodies notified by National Committees), of participating countries. Bodies from non-IEC member countries participating in an IEC CA System may also be represented on the management committee. Officers as defined in the IEC CA Systems' Basic Rules are appointed by the CAB based upon nomination by the CA Systems management committee.

Each CA System shall be responsible for planning its own budget. The CAB shall be responsible for validating and proposing the CA Systems' budgets, in accordance with Articles 7, paragraph five, item e), and 8 b), for integration into the IEC budget process. Once the IEC budget has been approved by the

General Assembly, and subject to Article 8 b), the CAB is responsible for monitoring the management of the CA Systems' budgets.

In the case of a conflict, contradiction, or inconsistency between the provisions of these Statutes and/or Rules of Procedure on the one hand and the provisions of the Basic Rules of a CA activity on the other hand, the provisions of the Statutes and/or Rules of Procedure shall take precedence.

RULES OF PROCEDURE

CONFORMITY ASSESSMENT SYSTEMS (Clause 17)

A Conformity Assessment (CA) System is formally established once its Basic Rules have been approved by the Conformity Assessment Board (CAB). A CA System wishing to modify its Basic Rules shall submit the text of the proposed modification to the CAB and the modification is only implemented once approved by the CAB.

The CAB shall consult with the relevant CA System's management committee before modifying its Basic Rules.

A CA System Executive Secretary is an employee of or contractor to the Commission and a decision to appoint the Executive Secretary of a CA System requires the prior consent of the Secretary-General. The CA System Chair shall consult with the CAB Chair and the Secretary-General before a proposal is made to a CA System management committee for the nomination of a CA System Executive Secretary.

CA Systems Executive Secretary and Chair are required to report to and participate in CAB meetings.

Each CA System shall develop its own Rules of Procedure consistent with the CA System's Basic Rules and shall operate in accordance therewith.

Each CA System shall notify its Rules of Procedure to the CAB for endorsement.

Provides Assurance to Industry, Commerce, Regulators and Consumers that operations and activities involving flammable and combustible materials can continue safely, by providing an Internationally Standardized Approach to Testing and Certification, regardless which IECEX Approved Certification Body is used.

Industries that use flammable/combustible materials include:

- Transport, eg cars / planes / ships / trucks (Passenger + Freight)
- Fueling stations and storage facilities
- Oil and gas exploration and processing
- Coal mining
- Food manufacture and processing
- Grain handling/storage/transportation
- Pharmaceutical manufacturing
- Textiles, fabrics and clothing
- Paint and surface coatings
- Medical applications, eg hospitals
- Furniture manufacturing
- Sewerage treatment plants
- Underground car parks
- Others



96 IECEX
Certification
Bodies offer
IECEX
Certification

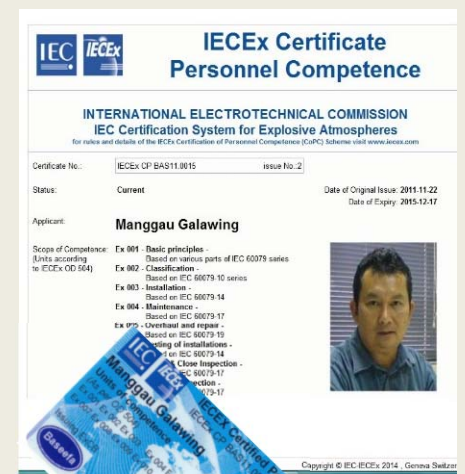
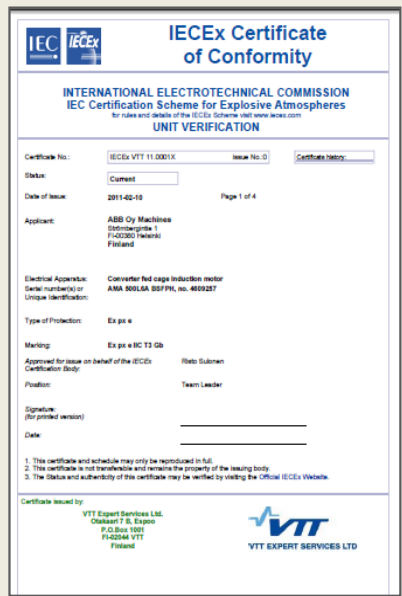


Equipment

Assemblies

Services

Personnel



Ex Equipment, Components + Systems + Mechanical Ex Equipment

Ex Equipment Unit Verification e.g. "Assemblies"

Ex Services, eg Repair to IEC 60079-19

Ex Competent Person, with Photo ID Card



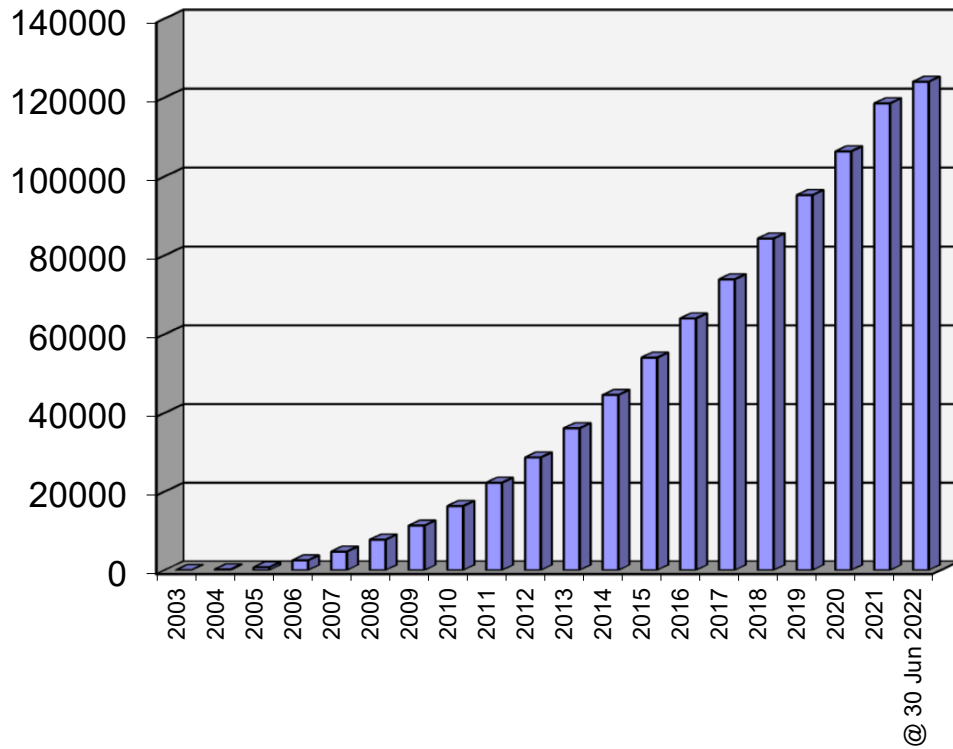
IECEX Membership @ 30 June 2022

36 Member Countries of the IECEx System with a seat on ExMC +
Following IECEx Accepted Bodies – IECEx Scheme Operators:-

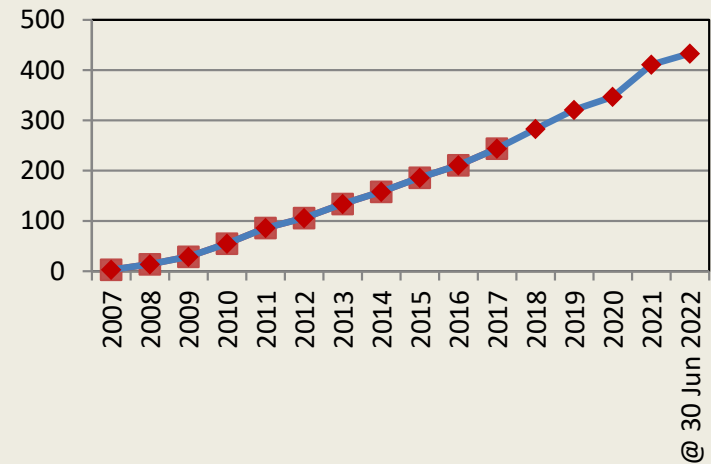
@ 30 June 2021	@ 30 June 2022
IECEX Certified Equipment Scheme <ul style="list-style-type: none">○ 60 Accepted ExCBs + 5 Applicants○ 68 Accepted ExTLs + 7 Applicants○ 7 Accepted ATFs + 1 Applicant	IECEX Certified Equipment Scheme <ul style="list-style-type: none">○ 62 Accepted ExCBs + 5 Applicants○ 68 Accepted ExTLs + 7 Applicants○ 10 Accepted ATFs + 1 Applicant
IECEX Certified Service Facilities Scheme <ul style="list-style-type: none">○ 17 Accepted ExCBs + 2 Applicants	IECEX Certified Service Facilities Scheme <ul style="list-style-type: none">○ 18 Accepted ExCBs + 2 Applicants
IECEX Conformity Mark Licensing System <ul style="list-style-type: none">○ 14 Accepted License issuing ExCBs	IECEX Conformity Mark Licensing System <ul style="list-style-type: none">○ 13 Accepted License issuing ExCBs
IECEX CoPC Scheme <ul style="list-style-type: none">○ 15 Accepted ExCBs	IECEX CoPC Scheme <ul style="list-style-type: none">○ 16 Accepted ExCBs + 1 Applicants
IECEX Recognized Training Providers (RTPs) <ul style="list-style-type: none">○ 33 Recognized Training Providers (RTPs)	IECEX Recognized Training Providers (RTPs) <ul style="list-style-type: none">○ 36 Recognized Training Providers (RTPs)

As at 30th June 2022 there were **135,621** Issued IECEX Reports, Certificates and Licenses across all the following four IECEX Schemes compared with 121,837 at the same time last year (30th June 2021) – this represents an overall growth of **11.3%**.

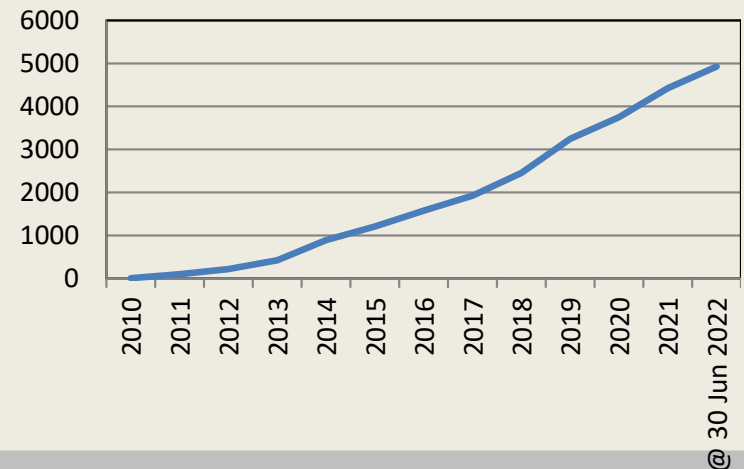
Total Equipment CoCs & Reports in the System



Service Facility Certificates

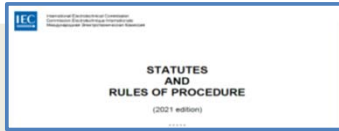


Certified Personnel Scheme





IECEX Rules Hierarchy

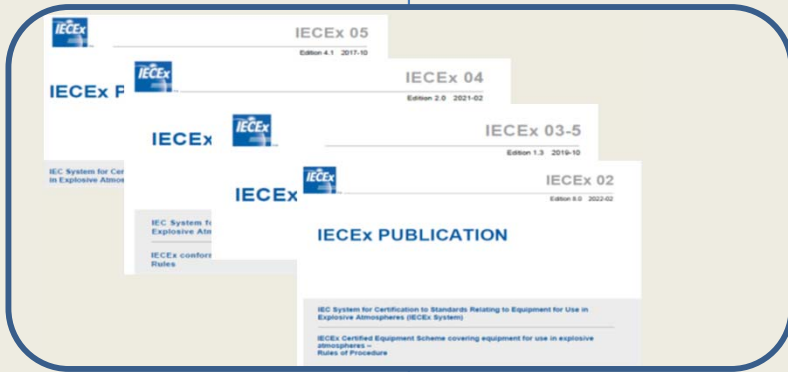


IEC Statutes – Overall Governing Document of the IEC



IEC CA 01 + IECEX 01-S together form the Basic Rules of the IECEX System (covering all IECEX Schemes)

www.iecex.com/publications/iecex-rules/



IEC 0X = IECEX Rules of Procedures for the Specific Scheme “Equipment / Services or CoPC” – Sets out the What is to be done



IEC ODs = IECEX Operational Documents that support the RoPs for the Specific Scheme – Sets out **the How is** the What is to be done

www.iecex.com/publications/operational-od/

Standard Forms and Templates provide the consistency among the reporting by all within IECEX

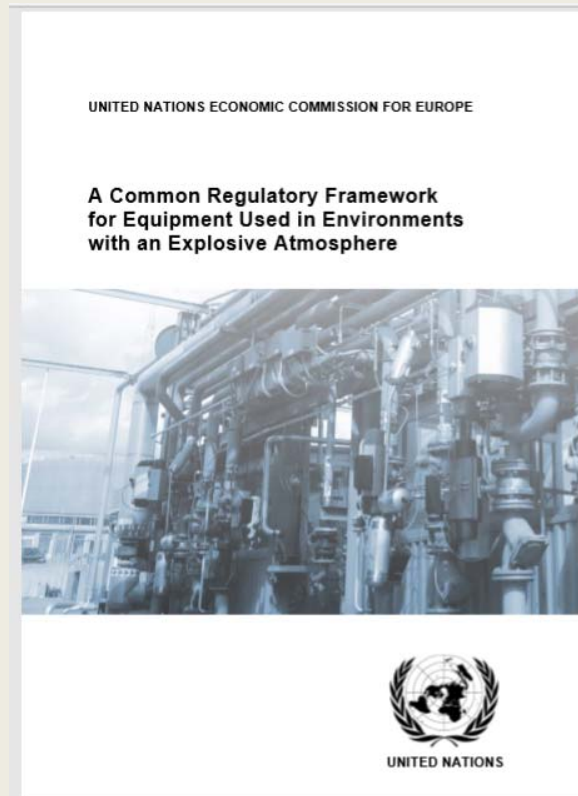
www.iecex.com/

Plus Many More ODs + Forms/ExTRs + Decision Sheets + Guides, for the Scheme

- **Day to Day running of the System**
- **Financial Management, with Treasurer and Executive**
- **Oversee Development of new services, eg H2 expansion**
- **Support IECEx Committees+WGs Maintenance of existing services and supporting elements, eg Documentation, website etc**
- **Assist with Promotion and Marketing and growth.**
- **Compliance, eg:**
 - Industry complying with IECEx Rules and General Business practise, eg any misuse of the IECEx
 - Membership Compliance, eg ExCBs+ExTLs
 - Secretariat Compliance with roles and responsibilities

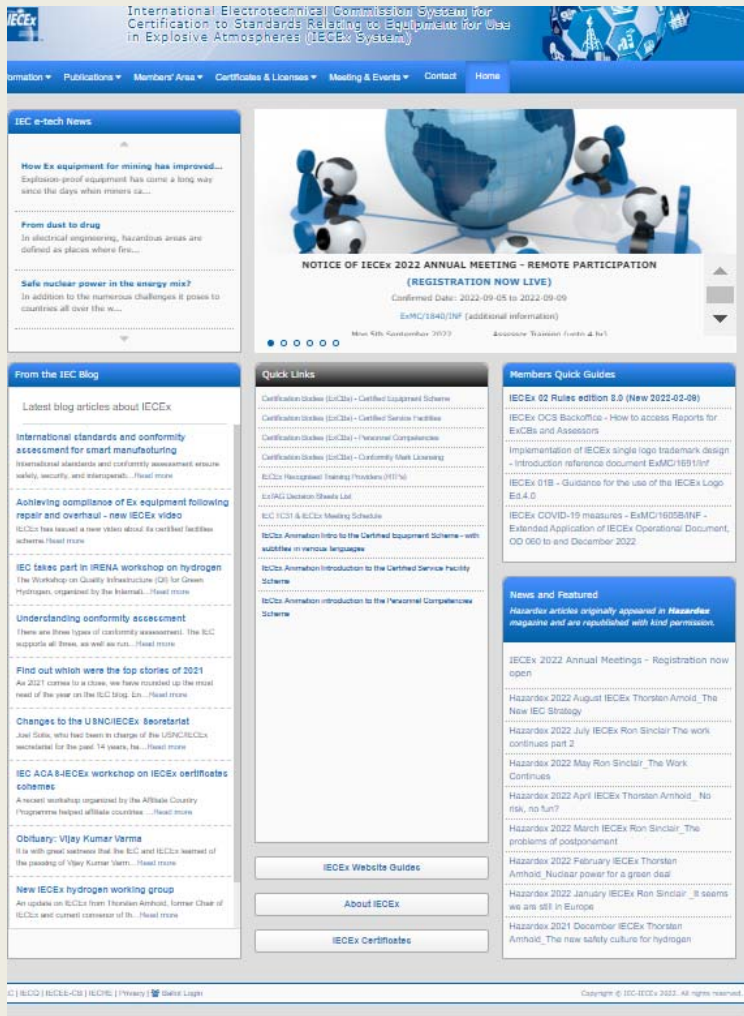
How is IECEx used within Countries?

- **Regulatory:** Government Regulations may require compliance with IEC TC 31 Standards AND accept Ex Products, Services (e.g. Repair Workshop), or Competent Persons covered by IECEx certification satisfy safety requirements of the country.
 - IECEX - Recommended by the United Nations, UNECE publication for adoption with Regulating Ex areas.
- **Contractual:** Companies purchasing Ex Equipment and Services may require IECEx Certification as part of their Procurement process and Risk Mitigation for Compliance with Safety Standards.
- **Voluntary:** Companies offering Ex Equipment and Services may use IECEx to promote their goods and services, e.g. market differentiation
- **Mutual Recognition:** Testing and Auditing Reports (ExTRs / QARs) used by Certification and Approval bodies to grant their local Approvals and certifications



B. Definition of applicable conformity assessment procedures

22. Compliance with this CROs shall be by use of an international certification scheme such as the IECEx for direct market acceptance of products carrying IECEx Certification. Alternatively, where national legislation does not allow for use of IECEx Certificates, national certification of compliance should be based on IECEx testing and assessments.



The screenshot shows the IECEX website homepage with a navigation menu at the top (Home, Contact, Meeting & Events, Certificates & Licenses, Members Area, Publications, Information). The main content area features a central banner for the 'NOTICE OF IECEX 2022 ANNUAL MEETING - REMOTE PARTICIPATION (REGISTRATION NOW LIVE)' with a confirmed date of 2022-09-05 to 2022-09-09. Below the banner are several columns of news and quick links. The 'From the IEC Blog' section lists articles on smart manufacturing, repair and overhaul, and hydrogen. The 'Quick Links' section includes links for Certification Schemes, Personnel Competence, and IECEx Resources. The 'Members Quick Guides' section lists various documents like the IECEx 02 Rules edition 3.0 and OCS Backoffice. The 'News and Featured' section highlights the 2022 Annual Meeting registration and several Hazardex articles.

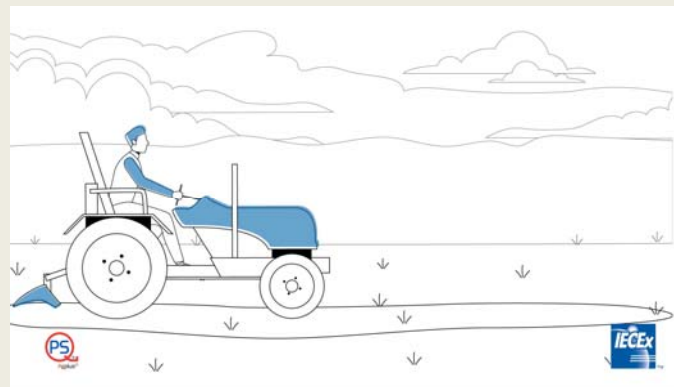
- IECEX Library of Published Rules / Operational Documents / Decision Sheets / Standard Forms, eg ExTRs / QARs / FARs / PCARs
- IECEX Library of Members Committee Documents / Resources / News
- IECEX On-Line Certificate System – Publicly available access – in real time – of ALL issued IECEX Certificates
- Given the growth and development of the IECEX System and its Schemes the IECEX Secretariat is now making use of
 - Instructional Video Modules “IECEX Website Guides”
 - Module 1 – Intro to the IECEX website
 - Module 2- Intro to the On-Line Certificate System
 - Module 3 – Back Office access for ExCB
- In addition, IECEX now have an animated video for each of the 3 IECEX Schemes, Equipment / Services / CoPC
- Access from the IECEX home page www.iecex.com



- 3 Videos now completed and accessible
- Equipment Scheme
 - Services Scheme
 - CoPC Scheme

Provide for ExCB Branding to promote ExCB + IECEX

The following are just 3 examples of the 16+ ExCBs already taking up this offer – CONTACT the SECRETARIAT for details



**Thank You to All ExCBs, ExTLs,
ATFs for their Cooperation and
work in keeping the “IECEX
Business” operating during
these past few years.**