A IEC no Mundo – Ações da IEC para apoiar a Normalização Internacional

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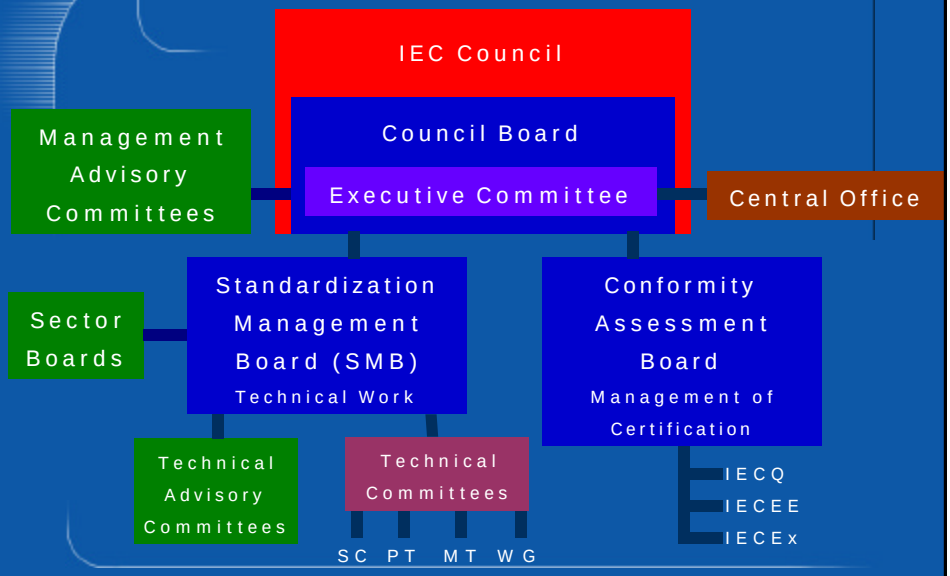
IEC Central Office

Contents

Structure
Development of IEC deliverables
National Adoption

IEC Structure



IEC Council

- IEC policy
- Long-term strategic objectives
- Financial objectives

IEC Officers, Past Presidents, Presidents of all National Committees

Council Board (CB)

- Implements Council policy
- Makes policy recommendations

IEC Officers, 15 members nominated by Council

Executive Committee (EXCO)

- Implements Council and CB decisions
- Supervises Central Office operations

IEC Officers

Management Advisory Committees

- PACT: President's Advisory Committee on future Technology
- MC: Marketing Committee
- SPC: Sales Policy Committee
- CDF: Finance Committee

Standardization Management Board (SMB)

Management of standards work

- Permanent members from
  - IT, GB, US, DE, JP, FR
- Members on 3-year terms from:
  - HU, MX, NL, SE, KR, ES, CA, AU, CN

Sector Boards

Advise on priorities

Ensure market relevance

Senior executives – strategic guidance

- SB 1: High voltage substation equipment
- SB 3: Industrial automation systems
- SB 4: Infrastructure of telecommunications networks

Advisory Committees

Ensure horizontal coordination – Members from CA and relevant TCs

- ACET: Advisory Committee on Electronics and Telecommunications
- ACOS: Advisory Committee on Safety
- ACEC: Advisory Committee on Electromagnetic Compatibility
- ACEA: Advisory Committee on Environmental Aspects

Technical Committees

- Chairman (6 years followed by 3 year extensions, appointed by P-members)
- Secretariat (appointed by C.A.)
- P-members
- O-members
- Liaisons

Subcommittees

- Chairman (6 years followed by 3 year extensions, appointed by P-members of TC)
- Secretariat (appointed by TC)
- P-members
- O-members
- Liaisons

National Committee

- Represents all interests in country
  - Industry
  - Government and regulators
  - Academia
  - Users
- “Mirror” committees
  - Correspond to IEC TC/SCs of interest
  - Review documents
  - Create national position / vote
  - Adoption of International Standards

P-members

- Participate actively in work of TC/SC
- Obligation to vote on all matters submitted for vote
- Right to nominate experts in PT/MT/WG

O-members

- Observers
- Follow work of TC/SC
- Right to vote on CDV and FDIS only
- Cannot nominate experts on PT/MT/WG

Project Teams

- Deal with a single project
- Disbanded after publication
- Project leader
- Experts nominated by P-members during NP ballot

Maintenance team

- Group of experts designated to keep a publication or group of publications up to date
- Designated by P-members
- Convenor appointed by TC/SC

Conformity Assessment Board

- Overall management of conformity assessment schemes

  Chairman, 12 members nominated by Council, Representatives from each scheme, Treasurer, General Secretary

Conformity Assessment Schemes

- IECEE: IEC System for Conformity Testing and Certification of Electrical Equipment
- IECQ: IEC Quality Assessment System for Electronic Components
- IECEx: IEC Scheme for Certification to for Standards for Explosive Atmospheres

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Deliverables

- International Standards (IS)
- Technical Specifications (TS)
- Technical Reports (TR)
- Publicly Available Specifications (PAS)
- Industry Technical Agreements (ITA)
- Guides
- Technology Trend Assessments (TTA)

Alternative products

- International Standards not only product
- Alternatives to fulfil other market needs

IS, TS, PAS, TR

- IS 66,7 % P-members voting & < 25 % of all votes cast
- TS 66,7 % P-members voting
- PAS 50 % P-members voting
- TR 50 % P-members voting

International Standard (IS)

document, established by consensus and approved by the IEC, that provides, for common and repeated use, rules, guidelines or characteristics for activities or their results, aimed at the achievement of the optimum degree of order in a given context

2/3 vote in favour by P-members

<1/4 vote against from all members

Technical Specifications

- Publication when insufficient consensus for publication of an IS
- Publication when too premature for publication of an IS

2/3 vote in favour by P-members

PAS

- Publicly Available Specification

  technical specification not fulfilling the requirements for a standard, but made available to the public and established in an organization operating under given procedures or developed within a TC/SC
- D-liaisons (liaisons at project-team level)
- Pre-standards

Technical Reports

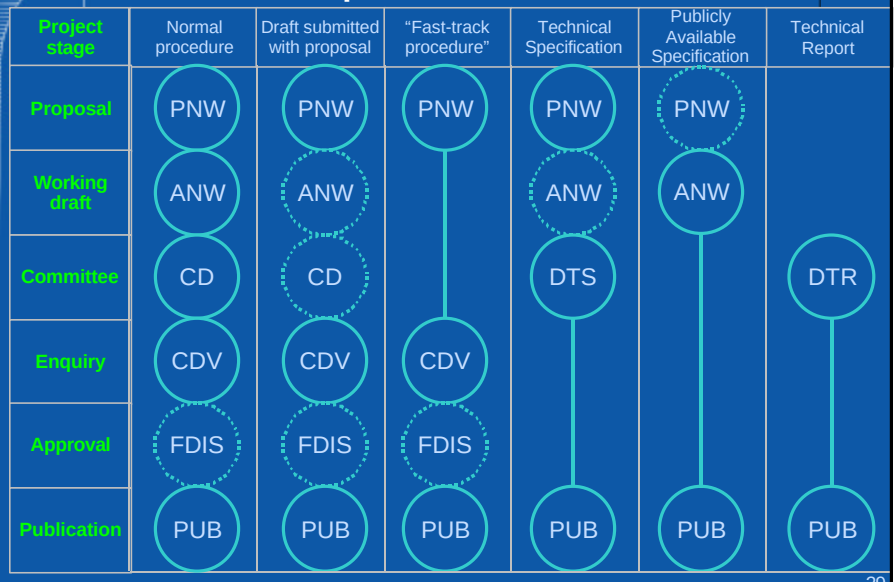
- Scientific supporting material
- Data collection
- Results of surveys
- State of the art
- Supplementary information or explanation

Majority vote of P-members

Stages in standards development

PWI	Preliminary stage
NP	Proposal stage
WD	Preparatory stage
CD	Committee stage
CDV	Enquiry stage
FDIS	Approval stage
IS	Publication stage

Paths to publication



Working methods

- Electronic operations
- IEC paperless since 2001
- Document access management by National Committees
- Electronic balloting / commenting tools
- Facilitate active participation by all IEC members

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Conformity Assessment

- Standards, a necessity for CA operations
- Cheaper, easier to use existing standards than create new
- CA important both for imported goods as well as domestically manufactured goods

Adoption of International Standards

- Endorsement
- Cover sheet
- Reprinting
- Translation
- Redrafting

Degrees of correspondence

- Identical (IDT)
- Modified (MOD)
- Not equivalent (NEQ)

Availability of IEC publications

- IEC library server – electronic files in PDF format
  - Distribution and sale by National Committee
  - For purpose of national adoption
- Watermark collection – PDF files with watermark
  - Reference library collection by National Committee

Availability of IEC publications

- Revisable format – Word
  - For national adoption purposes only
- IEC Webstore
  - Direct end-user sales in both electronic and paper versions
  - Royalty paid to NC

Dresden agreement

- Agreement with CENELEC
- Planning of work
- Parallel voting

For further information ... http://www.iec.ch

Obrigado para sua atenção