

Engaging with IEC



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Agenda

- IEC/IEEE Dual Logo Agreement – Overview
- IEC/IEEE Dual Logo Maintenance
- IEC/IEEE Joint Development
 - Engaging with IEC: Joint Development
- Harmonization
- Resources and Contact

IEC/IEEE Dual Logo Agreement: Overview

- Cooperation and License Agreement signed in 2002, enabling adoption of IEEE standards by IEC
 - IEEE retains copyright
 - No changes can be made
- Maintenance procedure established in 2007
 - Addressed the need to revise IEEE standards adopted by IEC under the original agreement
- Joint Development amendment in 2008
 - Enables both organizations to work collaboratively to jointly develop new standards or revise existing IEC or IEEE standards
 - Joint copyright and distribution rights

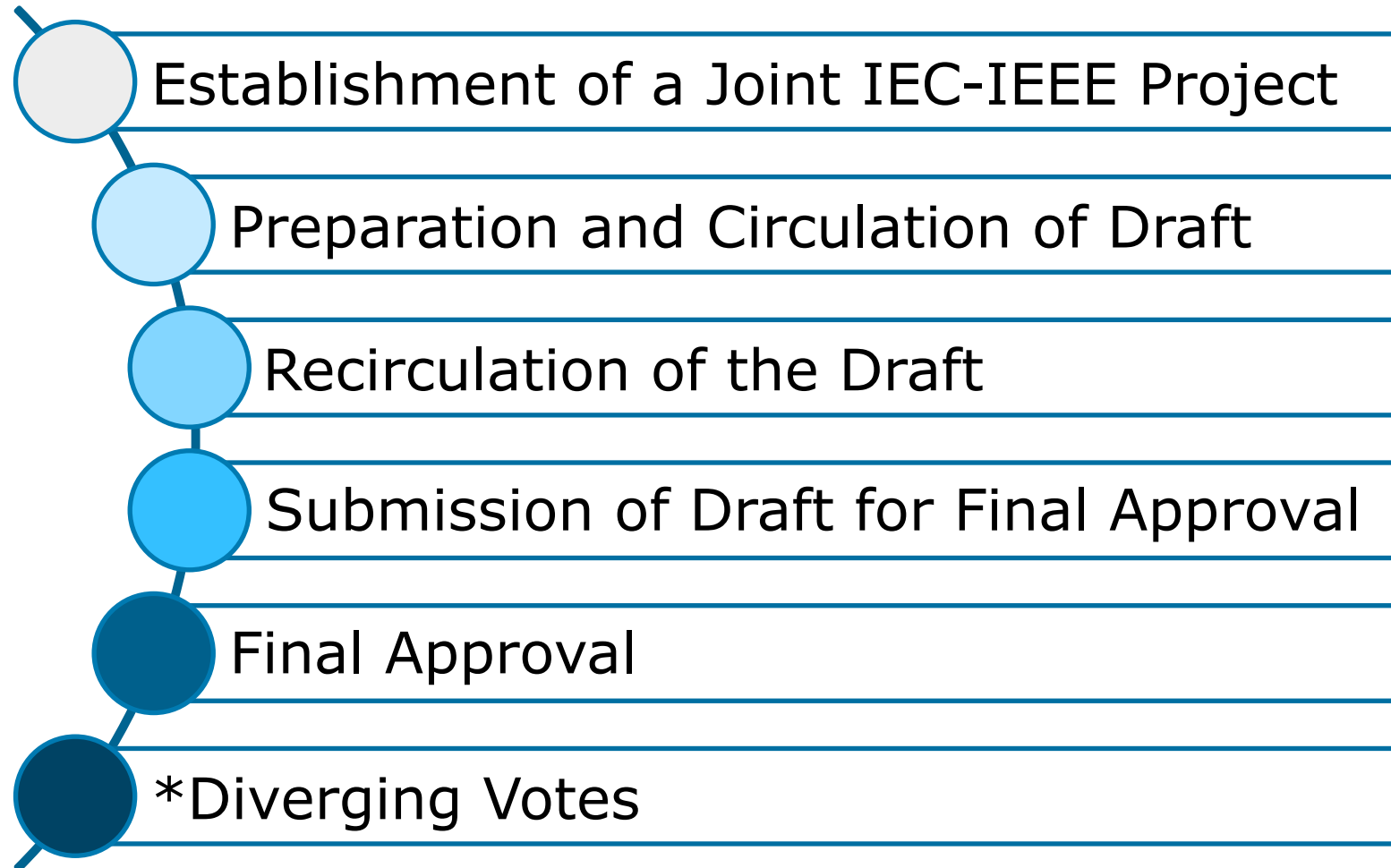
IEC/IEEE Dual Logo Agreement: Maintenance

Maintenance

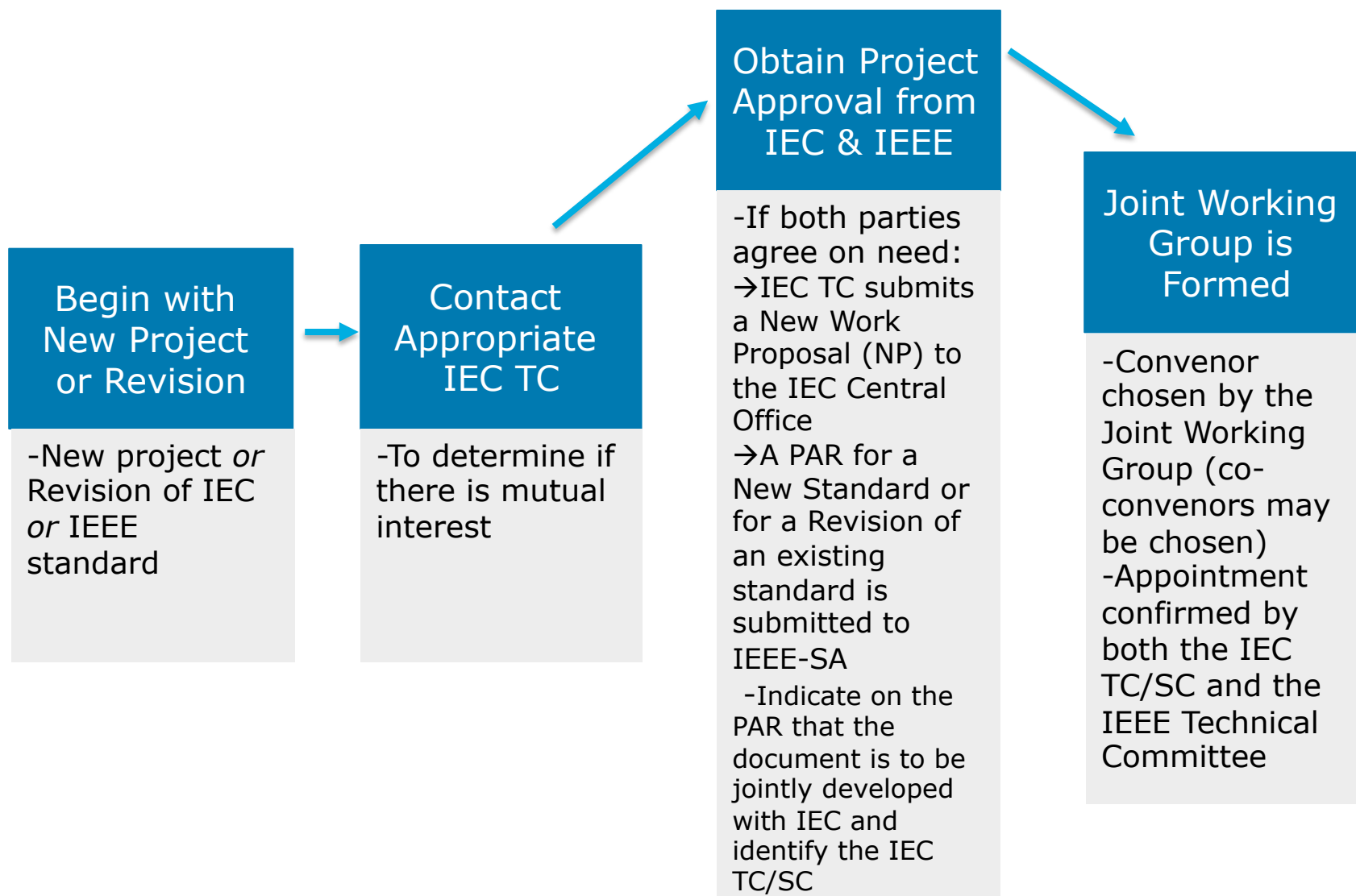
- Revision of IEEE standards adopted by IEC
 - Retains both an IEC and an IEEE number
- Follows the same standards development procedure as Joint Development
 - IEC/IEEE Joint Working Group is called the IEC/IEEE Dual Logo Maintenance Team
- Either the IEC template or the IEEE template may be utilized

IEC/IEEE Dual Logo Agreement: Joint Development

IEC/IEEE Joint Development Process

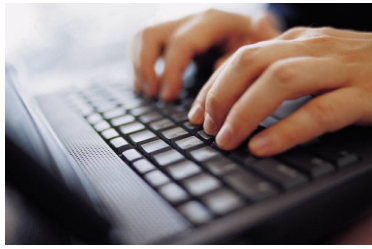


Establishment of a Joint IEC/IEEE Project



Preparation and Circulation of Draft

Prepare
Committee
Draft



- Joint Working Group prepares Committee Draft for comments utilizing IEC Standards Development template

Circulate
Draft

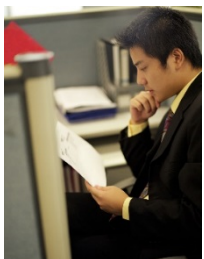


- IEEE
 - Ballot invitation initiated (30 days)
 - Concurrently, IEEE Mandatory Editorial Coordination (MEC) is requested
 - Once the ballot invitation closes and the MEC is complete, IEEE sponsor ballot shall be initiated (30 days)
- IEC
 - Committee Draft (CD) circulated to national committees for review and comment (3 months)

Recirculation of Draft



Comments
Compiled
+
Comments
Circulated
+
Comment
Resolution



- Comments compiled by IEC TC Secretariat and IEEE Working Group Chair/Ballot Designee

- Compilation of comments circulated to the Joint Working Group for Review

- IEC TC Secretariat shall arrange for the compilation of comments to be circulated to all P-members and O-members of the technical committee

- Comment resolution takes place

- Another Committee Draft (CD) may be circulated by IEC

- Concurrently, the IEEE Sponsor ballot may be recirculated, including the resolution of comments from the previous ballot

Recirculation of the Draft



Once consensus has been reached,
the document is sent for balloting.

IEC – Committee Draft Vote (CDV): 3 months

IEEE – Sponsor Ballot Recirculation: 10 days

Both balloting processes should close on the same date.

Upon close of ballot, if either the IEC CDV or the IEEE Sponsor ballot did not pass, there may be a need for a second Committee Draft Vote (CDV) in IEC and/or a recirculation of the IEEE Sponsor ballot

Submission of Draft for Final Approval

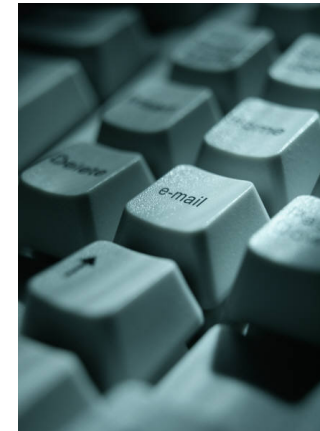
IEC prepares document for ballot as a Final Draft International Standard (FDIS) and sends document to IEEE



IEEE submits draft and supporting documents to IEEE-SA Standards Board (IEEE-SASB) for approval



Concurrently, IEC circulates FDIS to all National Committee members for a 2-month ballot



Final Approval

APPROVED

- If IEEE-SASB approves document
and
- If FDIS vote in IEC is affirmative
=
Published as Joint IEC/IEEE International Standard

May have to RECIRCULATE

- If the document does not gain approval from the IEEE-SA Standards Board



Sent back to IEC TC

- If the document does not pass the IEC FDIS ballot, it is sent back to the IEC Technical Committee for consideration

**Maintenance for joint documents follows the same procedure*

Diverging Votes

- During balloting, there may be diverging votes



IEEE & IEC TC
should decide
if it is possible
to reconcile
the differences

If reconciliation is
not possible,
each organization
can proceed to
develop the
standard
independently of
each other

Each
organization
will retain the
copyright of
its individual
documents

Engaging with IEC: Joint Development

- Is the IEEE Technical Committee interested in jointly developing/revising a standard with IEC?
- Is there common membership between the IEEE and IEC Technical Committees?
- Has the terminology used in IEEE standards and IEC standards been discussed to ensure that joint development is feasible?
 - When combining an IEEE and IEC standard into one standard, have the IEEE and IEC standards been reviewed for similarities and differences?
 - Can the differences be resolved?
- Has a timeline been developed so that both IEEE and IEC can ensure that the projects stay “in sync” with the procedures for development?
 - Each organization has milestones relative to their standards development process
- Are both parties ready to begin the project and have taken the appropriate steps to do so concurrently?
 - IEEE – PAR Submitted?
 - IEC – New Work Item/Review Report Submitted?

Harmonization

Harmonization

- Interest in harmonizing IEEE and IEC standards
 - Specific differences due to industry practices
 - Unique to each geographical region
 - Streamline standards in both organizations, when desired
- When beginning a new standards project, the IEEE Technical Committee may want to review existing IEC standards to determine the extent to which harmonization can be achieved.
 - IEEE-SA Program Manager can obtain a copy of the IEC standard for review by the IEEE Technical Committee
 - If the standard suits the need of the IEEE Technical Committee, the standard may be adopted by submitting a PAR for the Adoption of a non-IEEE standard
 - IEEE-SA Program Manager will contact ANSI for approval
 - Modifications to the standard can be included in the front matter or normative annexes
 - If interested in jointly revising the standard with IEC, IEEE Technical Committee may contact IEC Technical Committee and propose a joint IEC/IEEE revision

Harmonization (2)

- When technically equivalent or similar standards exist in both IEEE and IEC, the IEEE and IEC Technical Committees may be interested in reviewing the technical content of both organizations' documents to determine if technical differences can become better aligned or even eliminated.
 - If there is interest in eliminating the differences, the two standards can be combined into one joint IEC/IEEE standard
 - May decide to maintain two separate standards
 - May decide to coordinate the content of the standards, if possible
 - May add material to both the IEEE and IEC standard that outlines the differences
 - Coordination between the two groups is needed
- IEEE Transformers Committee has published a paper on coordination with IEC (<http://grouper.ieee.org/groups/transformers/subcommittees/standardsc/Harmonizing/S12-Paper-HarmonizationOfStandards.pdf>)

Resources:

Guide to IEC/IEEE Cooperation -

http://standards.ieee.org/develop/intl/iec_ieee_coop.pdf

IEEE Transformers Committee Coordination of Standards with the International Electrotechnical Commission (IEC) -

<http://grouper.ieee.org/groups/transformers/subcommittees/standardsc/Harmonizing/S12-Paper-HarmonizationOfStandards.pdf>

Contact

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