

The Frankfurt Agreement

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The Frankfurt Agreement



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Historical Background



Lugano Agreement - 1991



Dresden Agreement - 1996



Frankfurt Agreement - 2016

Almost 30 years partnership
CENELEC 80% aligned on IEC



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1. Objective



Primacy of International standards

- Commitment to primarily undertake the work at IEC level
- Expedite publication and common adoption of International Standards
- Ensure rational use of available resources/avoid duplication
- Accelerate standards preparation process in response to market demands
- Include mechanisms to cater for particular needs that may arise from European stakeholders



2. Value of IEC standards

(1/2)



Global network of 173 countries

covering 99% of world population and electricity generation
and directly impacting 20% of international trade

- Independent, neutral, inclusive (one country, one vote)
- Product safety and quality
- Interoperable ecosystems
- Technical source for laws and regulations
- Technical Barriers to Trade (TBT) Agreement



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ORGANIZATION**



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Global knowledge platform



<20 000 experts
> 200 TC/SCs
>10 000 International Standards
> 1 million certificates issued



2. Added value of CENELEC standards (2/2)

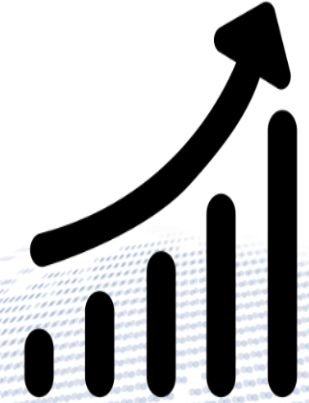
CENELEC

- ▶ **1 region = one standard instead of 34**
- **Status of EN – presumption of conformity**
- **Standstill**
- **Obligation to implement**
- **Obligation to withdraw conflicting national standards**

30% CLC portfolio = harmonized standards

(€) Presumption of conformity

▶ **Access to European Market of 600 Million consumers using global standards**



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3. Four Pillars of the Frankfurt Agreement



Common planning of Work



Parallel voting on draft
International Standards

Publication Requirements



Conversion of European Standards
into International Standards



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Common planning of Work

Work initiated in IEC

(Through new work item proposal (NP) or review report (RR))

- Normal procedure (No exemption)
 - Assigned to mirroring CLC Technical Committee or Reporting Secretariat
 - Registered in CLC database with timescales
 - Further information e.g. on legislative aspects → feedback to IEC
 - Parallel adoption process starts in CENELEC
- Exemption Procedure, When 'exempted'
 - No 'European adoption' but national adoption possible
 - Standstill may apply → to be **used 'as such'** in Europe, no competing standards



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Common planning of Work



Work initiated in CENELEC (NWI)

- Before initiating:

Assess situation at IEC on overlaps, the possibility the IEC TC timely initiates the work

- On approval of a New Work Item for a European standard at CENELEC

- By Default*: the New Work Item is offered to IEC
- The CLC/TC starts the work – IEC starts a NP on the basis of NWI
- If IEC NP accepted → CLC hands over work

* For specific reasons, the CLC Technical Board (BT) can decide not to offer

Max 24 weeks



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Parallel voting on draft IS

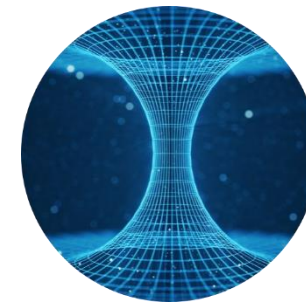


- ▶ All CDV and FDIS circulated for vote in IEC are automatically submitted for enquiry and vote within the CENELEC, with the following exceptions:
 - ▶ Those emanating from certain IEC TCs identified by the CENELEC Technical Board with a commitment not to undertake any European work and directly to be implemented by interested CENELEC members if needed.
 - ▶ Those emanating from certain IEC TCs identified by the CENELEC Technical Board as outside CENELEC requirements.



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Parallel voting on draft International Standards

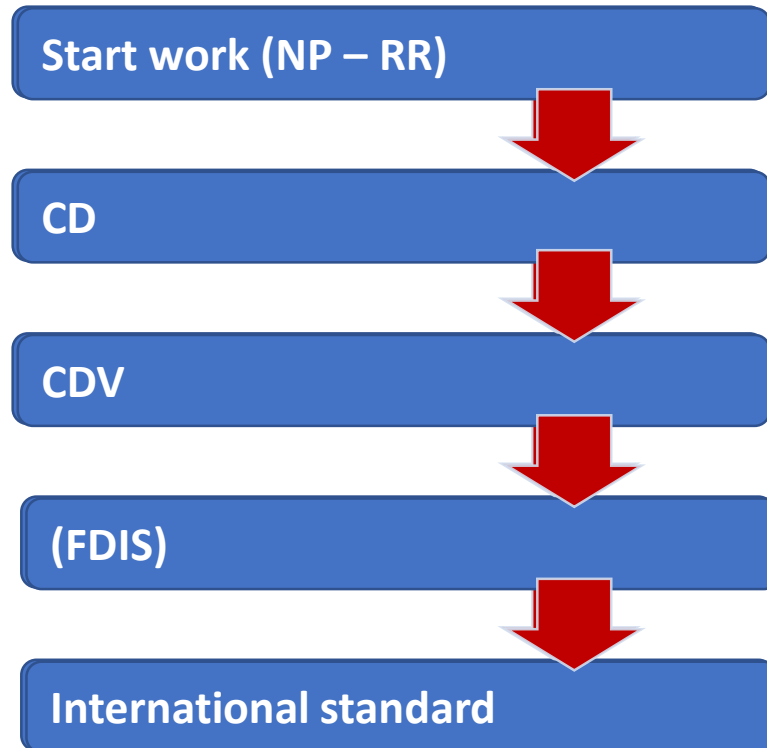


CENELEC

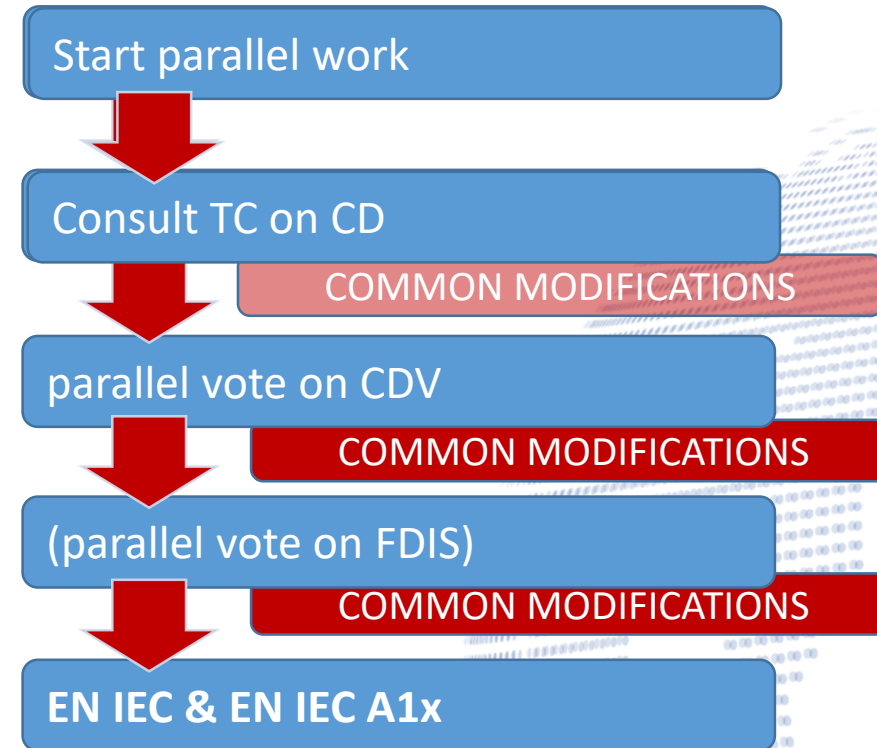
It is important to start parallel work from the earliest stages!!

From CDV on systematic parallel voting procedure in CENELEC

IEC

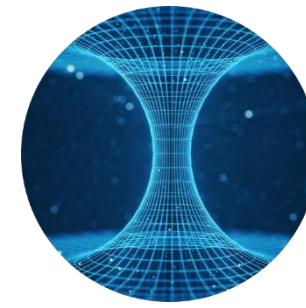


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Parallel voting on draft International Standards



CENELEC

- ▶ **>75% IEC standards follow // CLC procedures**
- ▶ **Around 80% IEC standards → European Standards**



Work programme

- ▶ **83% of all European Standards (consolidated main and amendments) are identical to or based on IEC standards**



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Publication requirements



► Numbering

- CENELEC implement the provisions of ISO/IEC Guide 21 with respect to numbering of their publications.

► Reporting of adoptions

- CENELEC will report to IEC on an agreed basis all adoptions, European and national, of IEC standards, with a listing of changes.

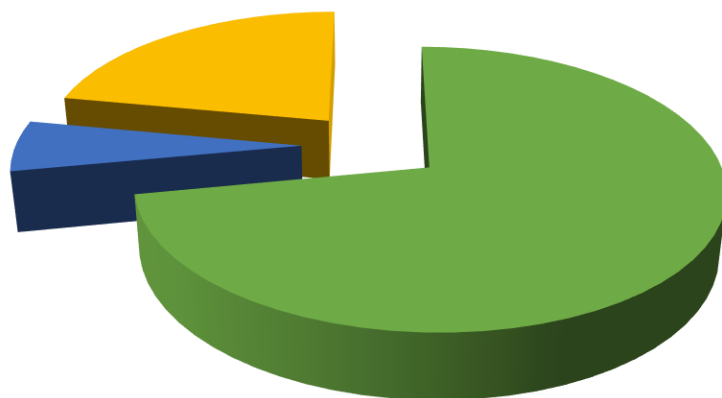


Publication Requirements



Application of ISO/IEC Guide 21

From 2018 on: EN IEC-referencing



■ Identical to IEC publications

→ EN IEC 6XXXX

■ Based on IEC publications

→ EN 6XXXX

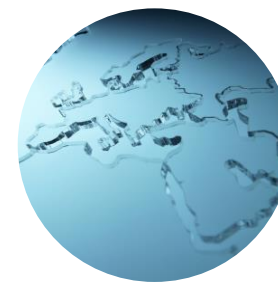
■ No relation to IEC publications

→ EN 5XXXX



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Conversion of European Standards into International Standards



- ▶ CENELEC deliverables of European origin ('homegrown standards') offered to IEC for possible conversion into an IEC standard
- ▶ European common Modifications to IEC based standards
- ▶ If IEC Technical Body takes them on board:
 - ▶ IEC text identical to CENELEC text = 'Boomerang case'
 - ▶ No parallel voting
 - ▶ Once IEC published: corrigendum to EN (numbering)
 - ▶ IEC text different from CENELEC text → parallel vote



A close-up photograph of two hands shaking, symbolizing an agreement or partnership. The hands are positioned diagonally across the frame, with the fingers interlaced. The skin tone is light, and the background is a plain, light color.

**CENELEC Frankfurt agreement
signed in 2016:
~ 80+% aligned standards**

Benefits of the Frankfurt Agreement for the Industry



- ▶ Timely standards is essential
- ▶ Resources (experts) are limited

THUS

- ▶ Only discuss the same issue once: in IEC
- ▶ Resulting in identical adoption in CENELEC
- ▶ But some times need for minor modifications to adapt IEC document to specific European needs (common mods, A-deviation, Special National conditions) but mostly equivalent to IEC



General benefits for everyday expert work



► General benefits : Advantage for the expert for his daily work resulting from the Frankfurt Agreement

- 83 % of CENELEC standards are either identical or very similar to IEC standards
- Standards' numbering are the same for IEC standards and CENELEC standards when identical or very similar
- Usually TC numbering and scope are the same for CENELEC and IEC (differences in scope are marked with X in the TC numbering of CENELEC)
- Parallel voting reduces workload
- "Collaboration Platform" used by IEC and CENELEC with 1 ID and 1 password giving access
 - In many cases, even the national committee is using the collaboration platform with the same ID and password



4. Practicalities

(1/2)



Harmonized standards for low voltage equipment:

- ▶ LVD – CE marking
- ▶ Use of harmonized standards
- ▶ Presumption of conformity / Burden of proof
- ▶ Because of Frankfurt agreement : EN = IEC

=> Product also ready for sales outside of Europe



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4. Practicalities

(2/2)



EN standard sent to IEC to become an international standard :

- ▶ EN 50941 : Home and Building Electronic Systems (HBES) and Building Automation and Control Systems (BACS)
- ▶ CLC 205 : decided in 2015 to present the existing EN 50941 series to IEC TC 23 WG 12
- ▶ EN 50941 series => IEC 63044 series
- ▶ Of the existing 10 EN standards, 5 have already been published in IEC and 3 are in the process of development.



Thank you

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