Understanding the CENELEC standardization process

Historical background

Lugano Agreement (1991)

CENELEC and IEC: 30 years partnership

Dresden Agreement (1996)

CENELEC 80% aligned on IEC

Frankfurt Agreement (2016)

Who is CENELEC

3 recognized European Standardization Organizations

- CENELEC – CEN – ETSI

CENELEC

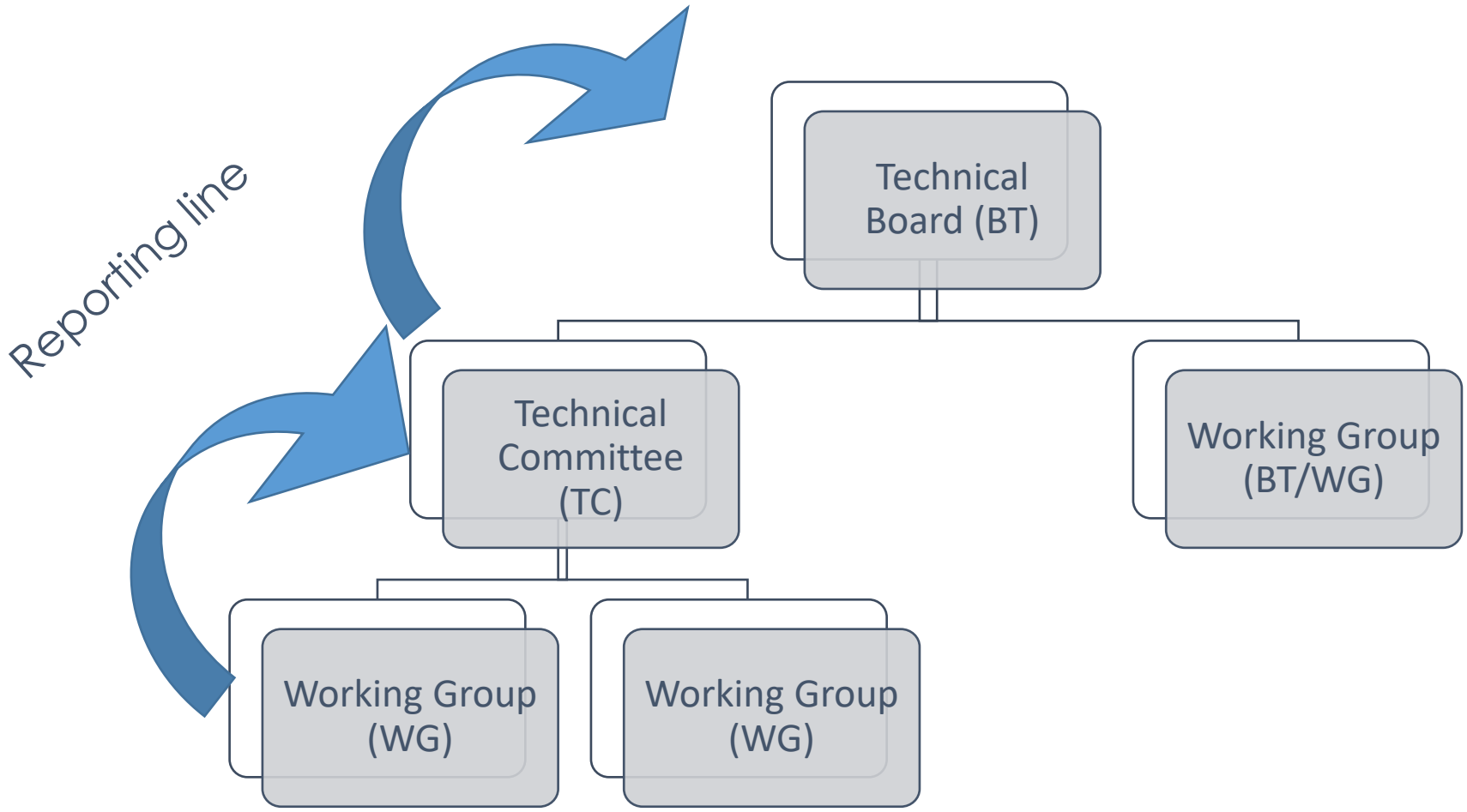
- 34 National Committees (NCs)
  - European Economic Area
  - All IEC members
- Committed to working first at IEC level
- Implementing IEC Standards as CENELEC Standards (EN IEC)

Understanding the standardization process

1. Roles and Responsibilities of BT, TCs, WGs
2. From New Work Item to Publication
3. Day to day management of Frankfurt Agreement
4. Standards and Legislation
5. CENELEC BOSS and other useful information
6. CEN & CENELEC Joint Technical Committees
7. Liaisons

1. Roles and responsibilities of BT, TCs and WGs

The three-decision layers at technical level



The three-decision layers at technical level

Technical Committee

TC

Technical Committee

Composition:

- TC Chairperson + TC Secretary + National Delegations (national position, voting right) + European Partners (observers, no voting right)

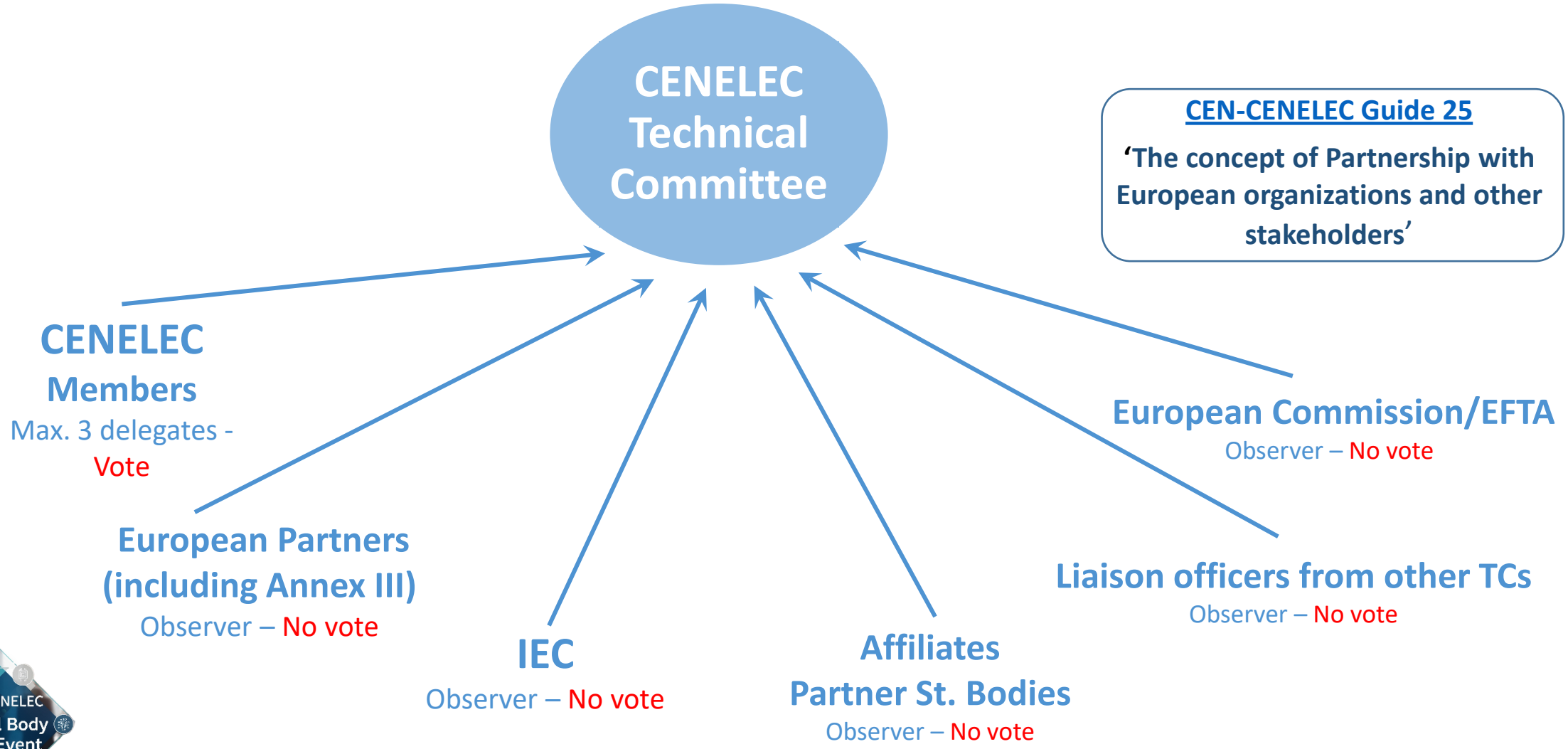
Role:

- Responsible for the timely development of deliverables
- Timely execution of standardization request deliverables (incl. support when Standardization Request development
- Always work along the standardization principles: transparency, openness, consensus-building

Communication between TC Secretariat and with CCMC (PM) is key!!

→ TC secretariat always on top of the TC's work programme

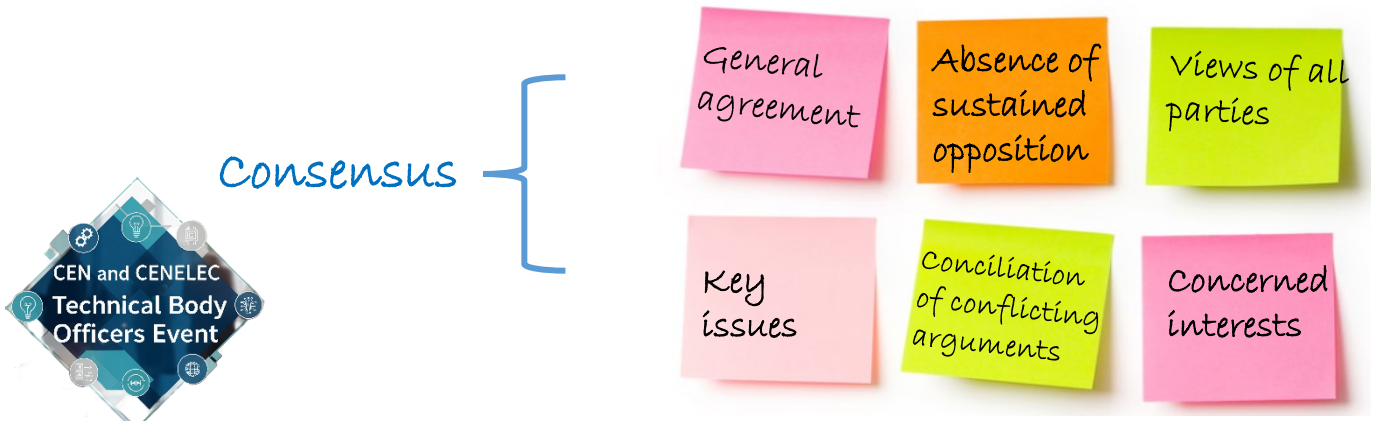
Technical Committee composition



TC Chairperson and Secretary

TC Chairperson

- Appointed by CLC/BT
- Neutral
- Presides meetings and seeks consensus
- Interface with CCMC (strategic directions, specific issues,…)
- Ensures coordination with other TCs



TC secretary

- Appointed by NC holding the secretariat
- On top of CLC/TC work programme
- Ensures that TC works efficiently & within timelines
- Prepares and distributes documents (via IT Tool)
- Is aware of relevant CLC/BT decisions and provide inputs when needed
- Ensures coordination with other TCs
- In case of Standardization Requests, is responsible for preparing reports

Technical Committee meetings

Before plenary

- Circulates agenda (2 months before) and documents for discussion (4 weeks) - templates available on BOSS
- → **New normal**: guidelines developed
- → TC Work programme available on Projex-Online (link)
- 'ERAS' attendance list to be used (Link)

After plenary

- Prepare report (template on BOSS) to be sent to CCMC (dataservice@cencenelec.eu) within 8 weeks → circulated to CLC/BT by correspondence

Use of Electronic Tools:

- All tools and relevant guidance documents are available on CENELEC Expert Area
  - **Electronic Voting:** to make TC decision (webinar)
  - **MRS:** to organize meeting (webinar)
  - **TB dashboard:** creation and activation of NWI/PWI (webinar)

See training on IT tools (link)

Technical Committee Report to BT

- TC channel to Technical Board
- Template to be used → to be sent to dataservice@cencenelec.eu

7 Systematic review of standards

NOTES:
- *this relates only to projects under 'Alert 5' (review due) in Projex-Online*
- *projects/deliverables stemming from IEC and subject to parallel procedures, should not be mentioned*
- *only main standards are to be mentioned, amendments/corrigenda should not be mentioned*
- *Deliverables that are already under revision, should not be mentioned (again)*
- *Deliverables that are already being revised and that will be withdrawn at DOW should not be mentioned.*

- **TC recommends BT to confirm the following EN/HDs for another 5 years:**

PR=	Reference	Title

- **TC recommends BT to confirm the following TS/TRs for another 3 years:**

PR=	Reference	Title

- **TC/BTTF recommends BT to withdraw the following standard(s) under systematic review:**

PR=	Reference	Title

- **The following IEC deliverable(s) has/have been confirmed with an extended stability date.**
  CLC/TC recommends NCs to confirm the applicability of any related A-deviation / Special National Condition if any *(for information, BT decision not needed)*:

IEC deliverable	CENELEC deliverable	Title	CLC (PR=)	NCs with A-Dev or SNC

Technical Committee Report to BT

CENELEC

BT175/DG13882/REP

TECHNICAL BOARD

BT by correspondence	Agenda item:	5.2.21
For decision	Issue date:	2023-06-28
	Deadline:	2023-08-08

SUBJECT

CLC/TC 7X **Overhead electrical conductors**

Report to BT

BACKGROUND

The attached document reports on the outcomes of the CLC/TC 7X plenary meeting held online on 2023-03-01 (see Annex 1).

In addition, the present document includes a database extract reflecting the activities of CLC/TC 7X (see Annex 2) and an overview of its Working Groups (see Annex 3).

The following topics require particular BT attention:

Systematic review of standards

CLC/TC 7X recommends BT to confirm the following standards for another 5 years:

- EN 50182:2001 'Conductors for overhead lines - Round wire concentric lay stranded conductors' (PR=63)
- EN 50326:2002 'Conductors for overhead lines - Characteristics of greases' (PR=5749)

CLC/TC 7X recommends BT to withdraw the following standards:

- EN 50183:2000 'Conductors for overhead lines - Aluminium-magnesium-silicon alloy wires' (PR=62)

  Note: This standard is not normatively referred to in other standards.

PROPOSAL(S)

BT noted the report of CLC/TC 7X 'Overhead electrical conductors' (meeting of 2023-03-01) and approved its work program annexed to the report.

BT confirmed the following standards for another 5 years:

- EN 50182:2001 'Conductors for overhead lines - Round wire concentric lay stranded conductors' (PR=63);
- EN 50326:2002 'Conductors for overhead lines - Characteristics of greases' (PR=5749).

BT decided to withdraw the following standards:

- EN 50183:2000 'Conductors for overhead lines - Aluminium-magnesium-silicon alloy wires' (PR=62);
- EN 60889:1997 'Hard-drawn aluminium wire for overhead line conductors' (PR=6649);
- EN 61232:1995 'Aluminium-clad steel wires for electrical purposes' (PR=5048).

2023-06-20 – FM

CEN and CENELEC Technical Body Officers Event

The three-decision layers at technical level

Working Groups

WG

Working Groups

Established by the Technical Committee (short term task)

Composition: Individual experts appointed by the NCs

Role:

- Responsible for drafting the deliverables + to send to TC for
- Seeks support from the parent body (if needed)
- Ensures that WG experts know rules and procedures
- Actively progresses work and reports regularly to TC

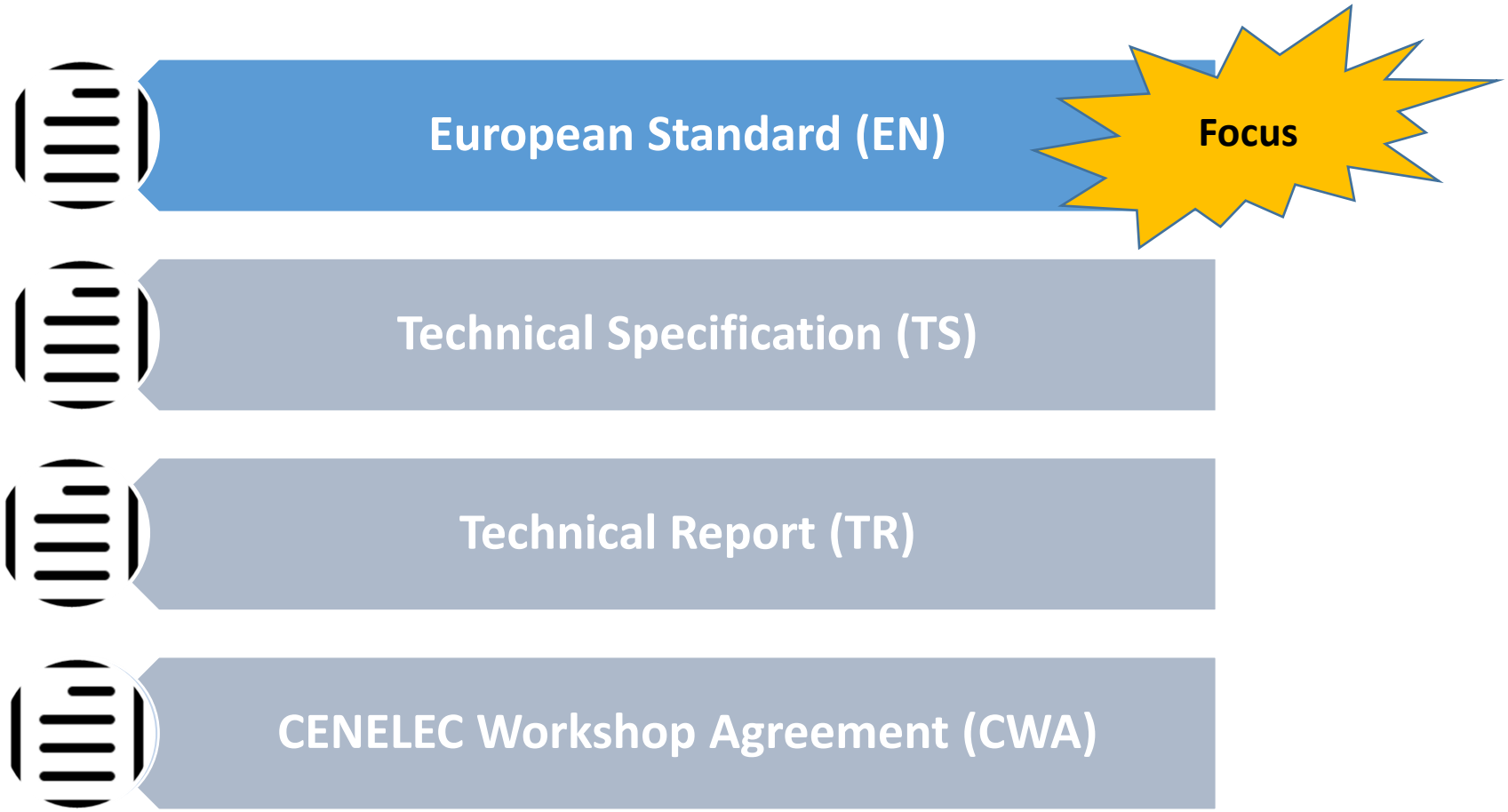
Code of Conduct

Efficient and smooth cooperation between TC (WG) experts, delegates and observers contributing to the development of standards is fundamental:

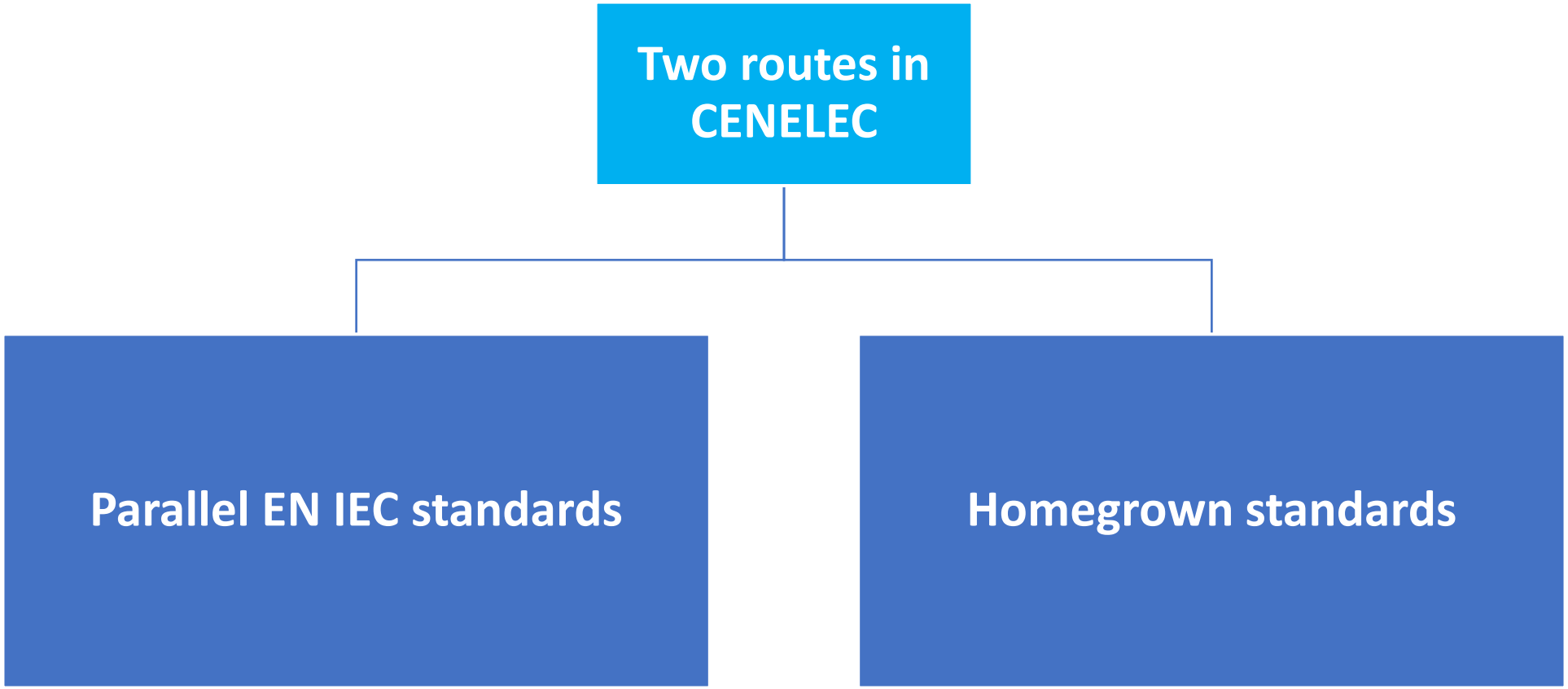
- Code of Conduct for experts participating in CEN and CLC (technical work) – here → *raises awareness on Internal Regulations and Guides, especially the Policy on Patents and the provisions regarding competition law*
- Best practices for improving effectiveness of WG meetings - here → *advices and suggestions to WGs convenors on what should be done before, during and after meetings*

2. From New Work Item (NWI) to publication

Deliverables

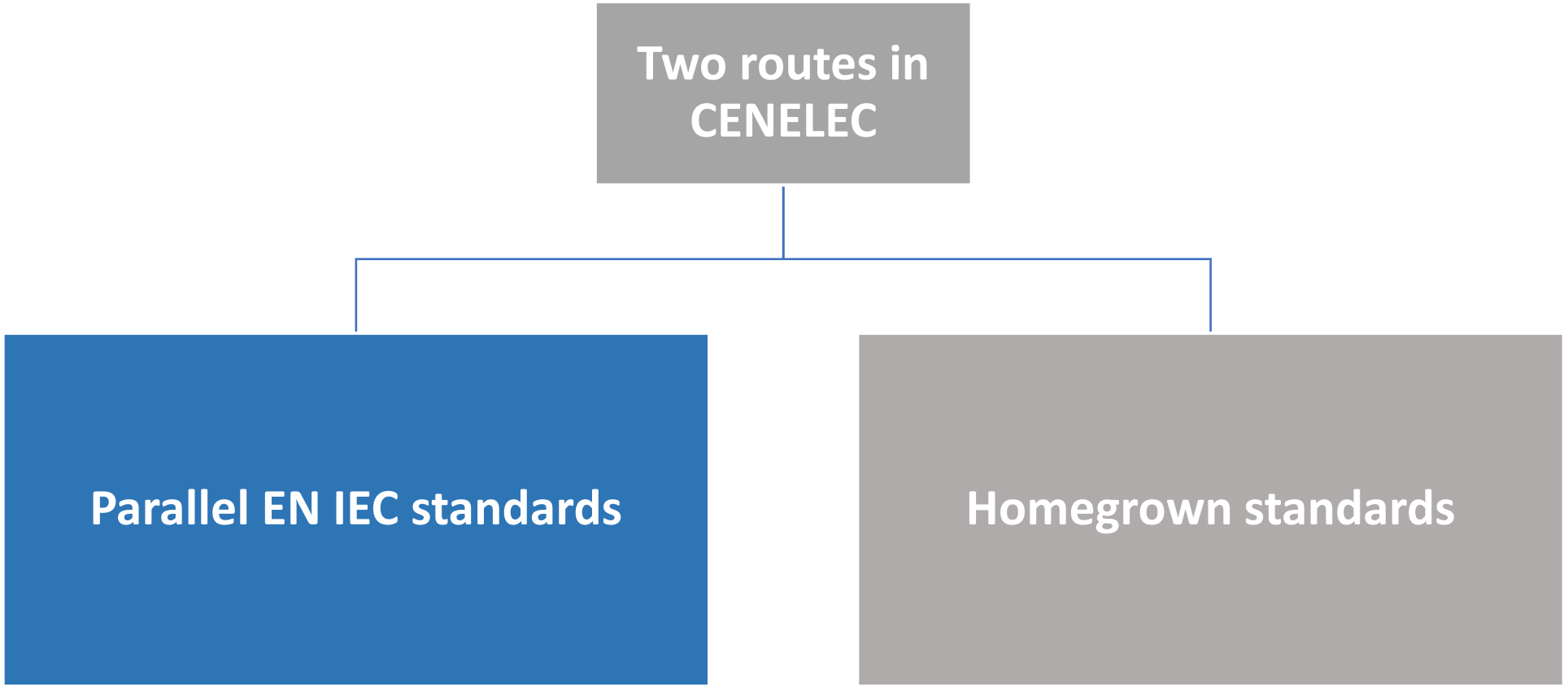


Standards development



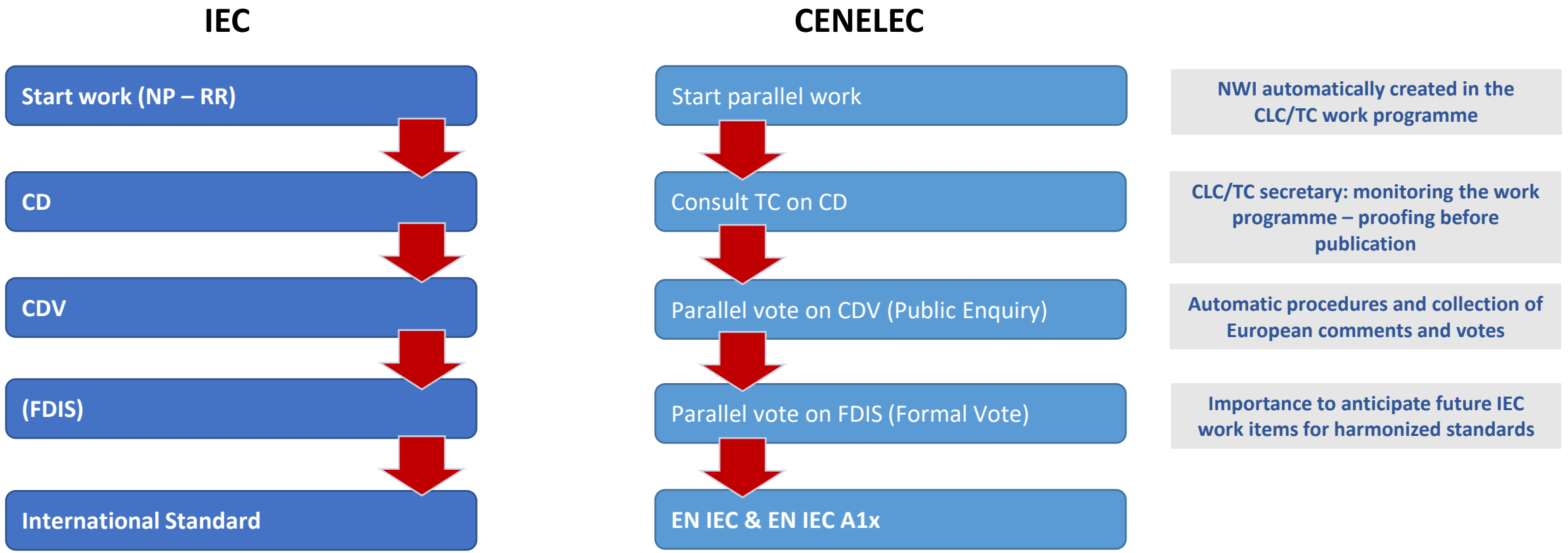
Standards development

Standards development

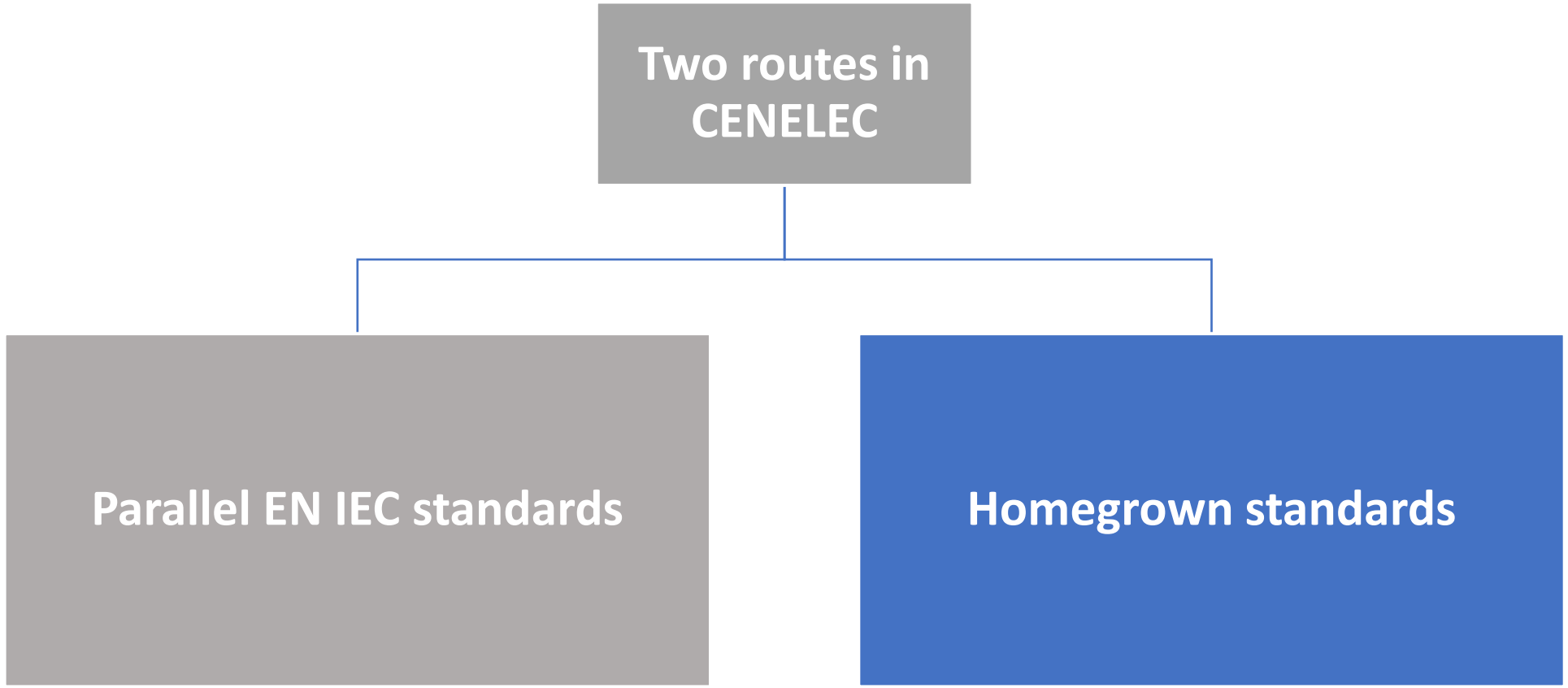


Standards development

Parallel work between IEC and CENELEC



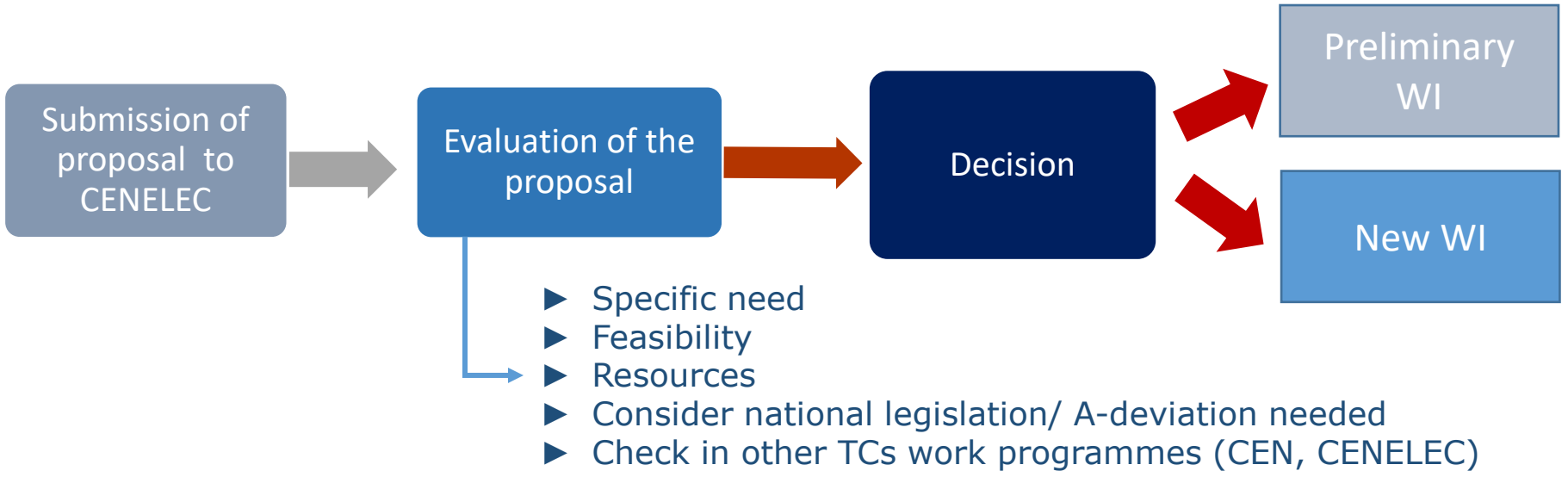
Standards development



Proposal – Evaluation and decision

Proposals may originate from:

- Existing Technical Committees
- European Commission or Agency
- National Committees (NCs)
- CENELEC Partner Organizations



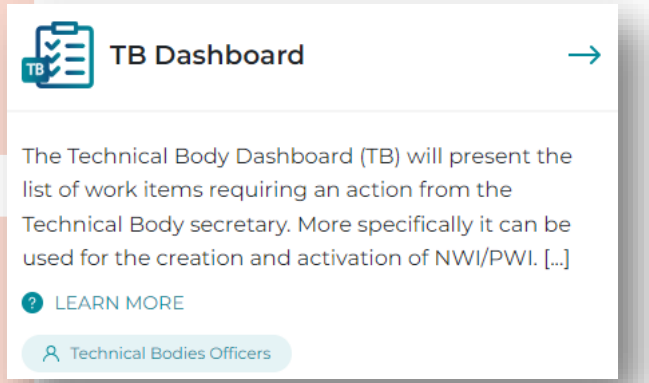
Creation of a new project

As of 7 March 2024, the creation of a new project in a CLC/TC must happen using NWI online tool

CLC/TC secretary to fill in the NWI form via the new online tool

CCMC PM to validate the request

The IT system pre-registers data in database and creates NWI ballot on Voting system platform for NCs to cast their votes (8 weeks)



Link: https://tbdashboard.cencenelec.eu/

CEN and CENELEC Technical Body Officers Event

Key information

- Justification needed for **not offering** a NWI to IEC
- Precise information needed (e.g. superseding EN(s), link with IEC, possible a-deviation(s), link with EU regulation, …)
- Target dates are very important!
- Commitment of minimum **5 members** to actively participate
- If approved ➔ **standstill applies!**
- WI in TC work programme ➔ timeframe to be respected!

➔ **alerts sent by CCMC to TCs**

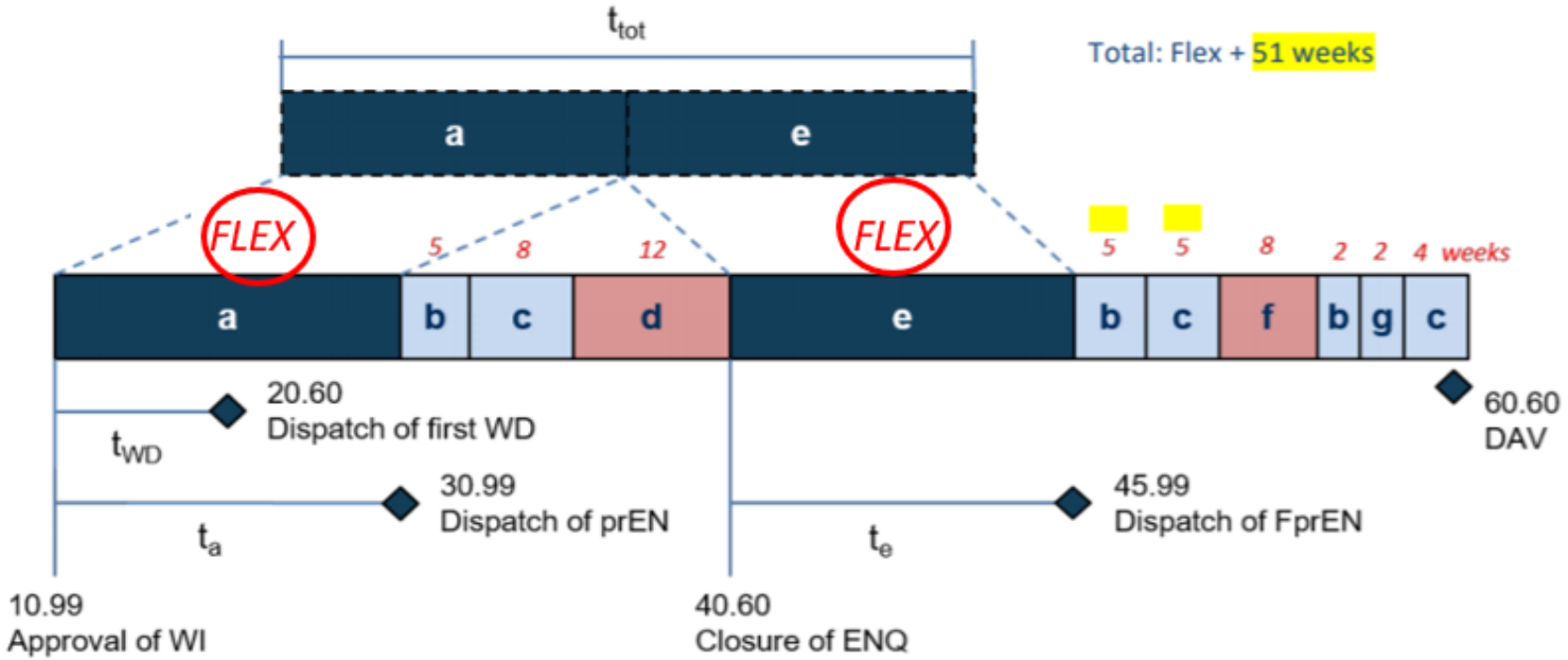
Flexible standards development process

- TCs have maximum 68 weeks to draft standards
- TC to define the target dates when adopting NWIs:
  - Target date for dispatch ENQ draft to CCMC (min 1 week)
  - Target date for dispatch FV draft to CCMC (min 6 weeks)

Note: the Target date for dispatch 1st WD is automatically set to the half of the time that is planned for ENQ

Flexible standards development process

Fig. 1



a	Drafting of prEN
b	Editing
c	Translation and preparation of national publication
d	Enquiry
e	Comments handling / preparation of FprEN
f	Formal Vote
g	TC proofing

Internal process

Technical work

Voting

Flexible standards development process

- Flexible standards development process implemented in April 2020
- Applicable to CENELEC 'homegrown' ENs (not applicable to parallel EN IEC)
- Some further information: (links to webinars)
  - Introduction - https://youtu.be/JB_nX6g6C04
  - Module 1: Planning - https://youtu.be/WGChUW2Tv74
  - Module 2: Implementing the planning - https://youtu.be/Gi0ZnuGJ1Bw
  - Module 3: Monitoring - https://youtu.be/UJmrbHDNNN4
  - Module 4: Review of the planning - https://youtu.be/xZWNE-tQTIs

Operational aspects - planning

WHAT:

Allocation of time (duration), work item per work item, by indicating the following 3 target dates, in CENELEC NWI form:

- Target date for dispatch of first Working Draft
- Target date for dispatch of ENQ draft
- Target date for dispatch of FV draft

Review of planning

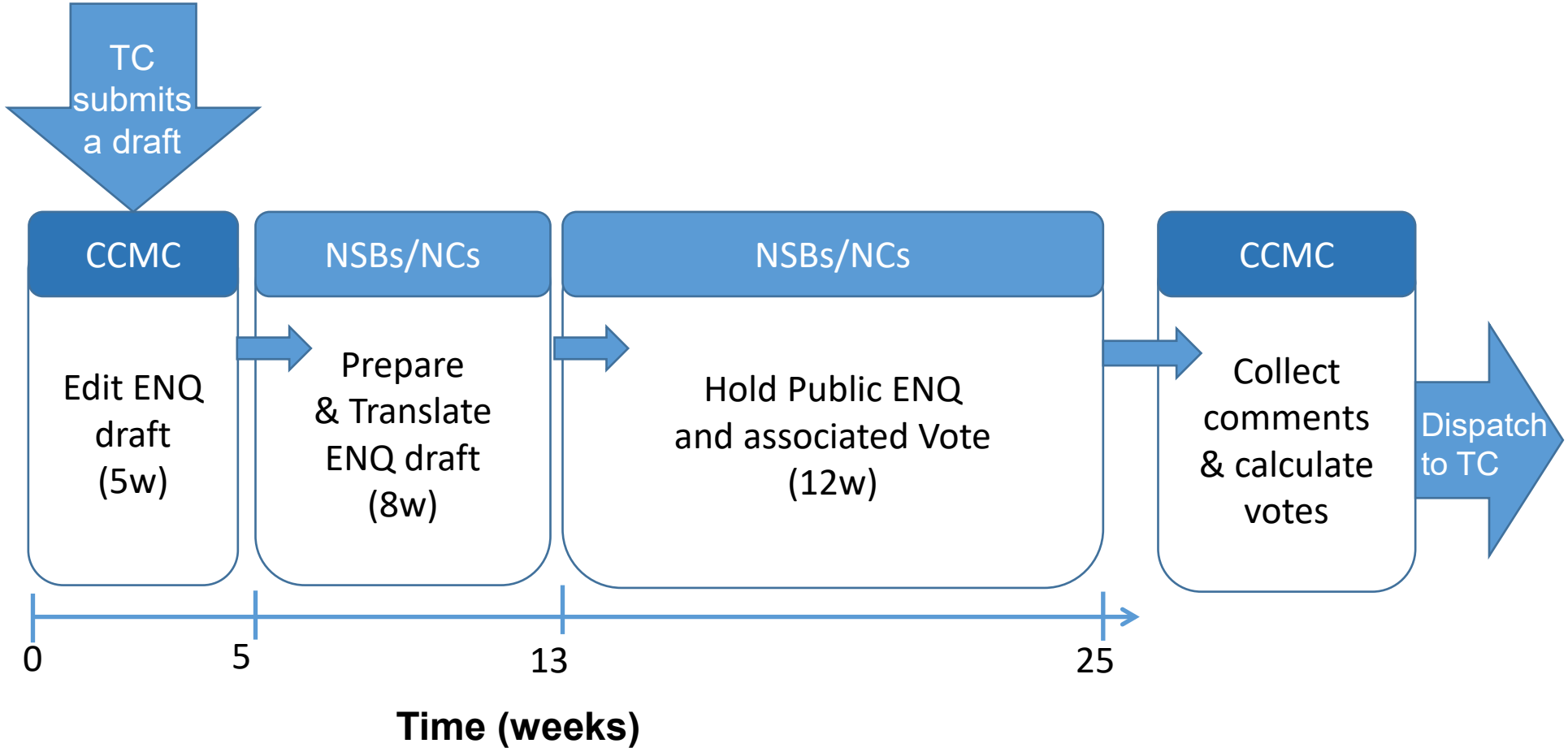
At any time before the dispatch for Enquiry (i.e. 30.99), the TC leadership in cooperation with the relevant WG convenor have at disposal the following options for changing the planning:

→ a) To change the planning by using **the 'one change' option**. It requires a TC decision.

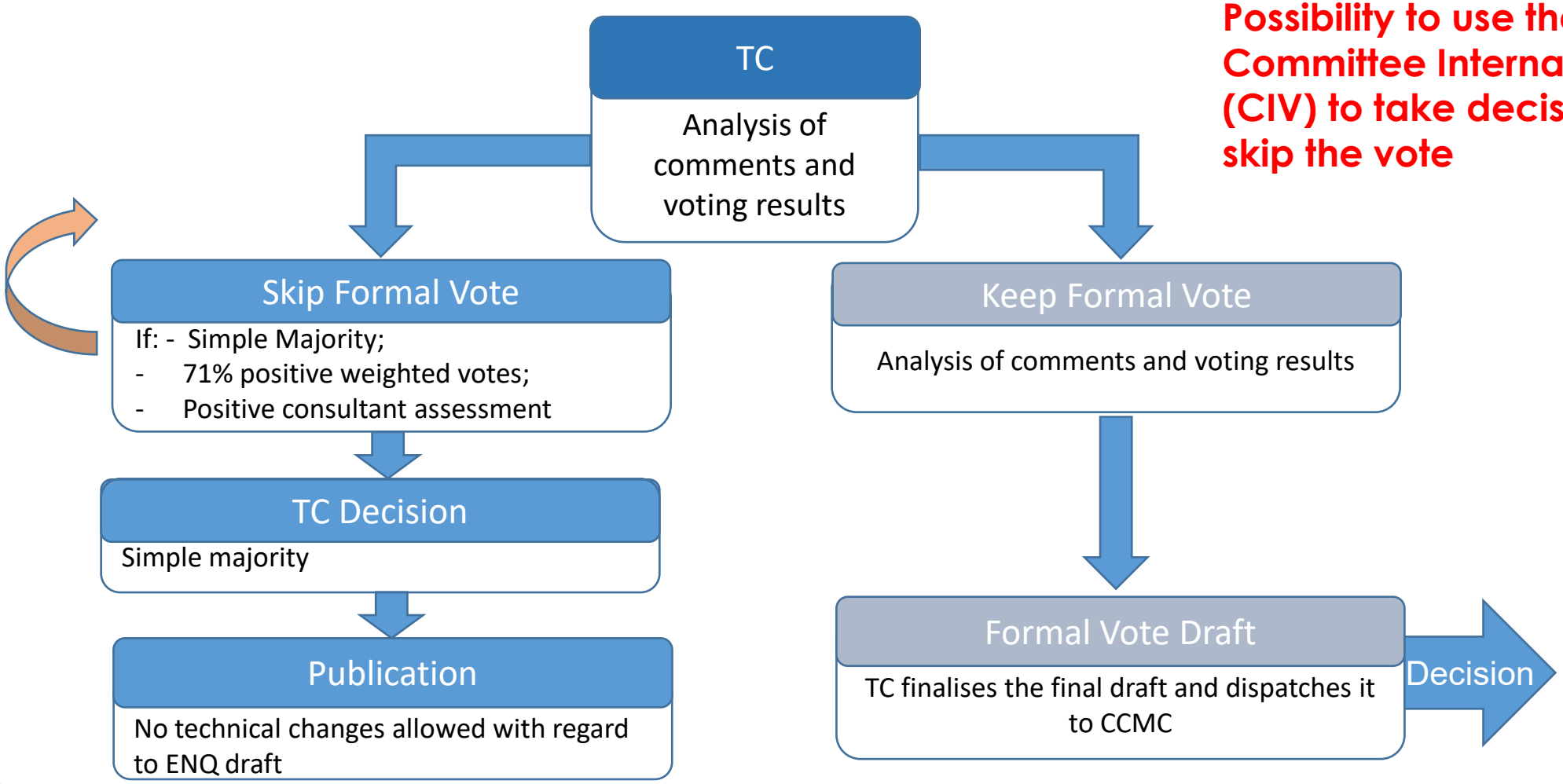
→ **b)** To ask for **a tolerance of 9 months.** It requires a TC secretary request. A second tolerance may be exceptionally granted with a TC decision, approved by CLC/BT

It is recommended to use the 'one change' option first, and then in case of needs the tolerance!

Public Enquiry

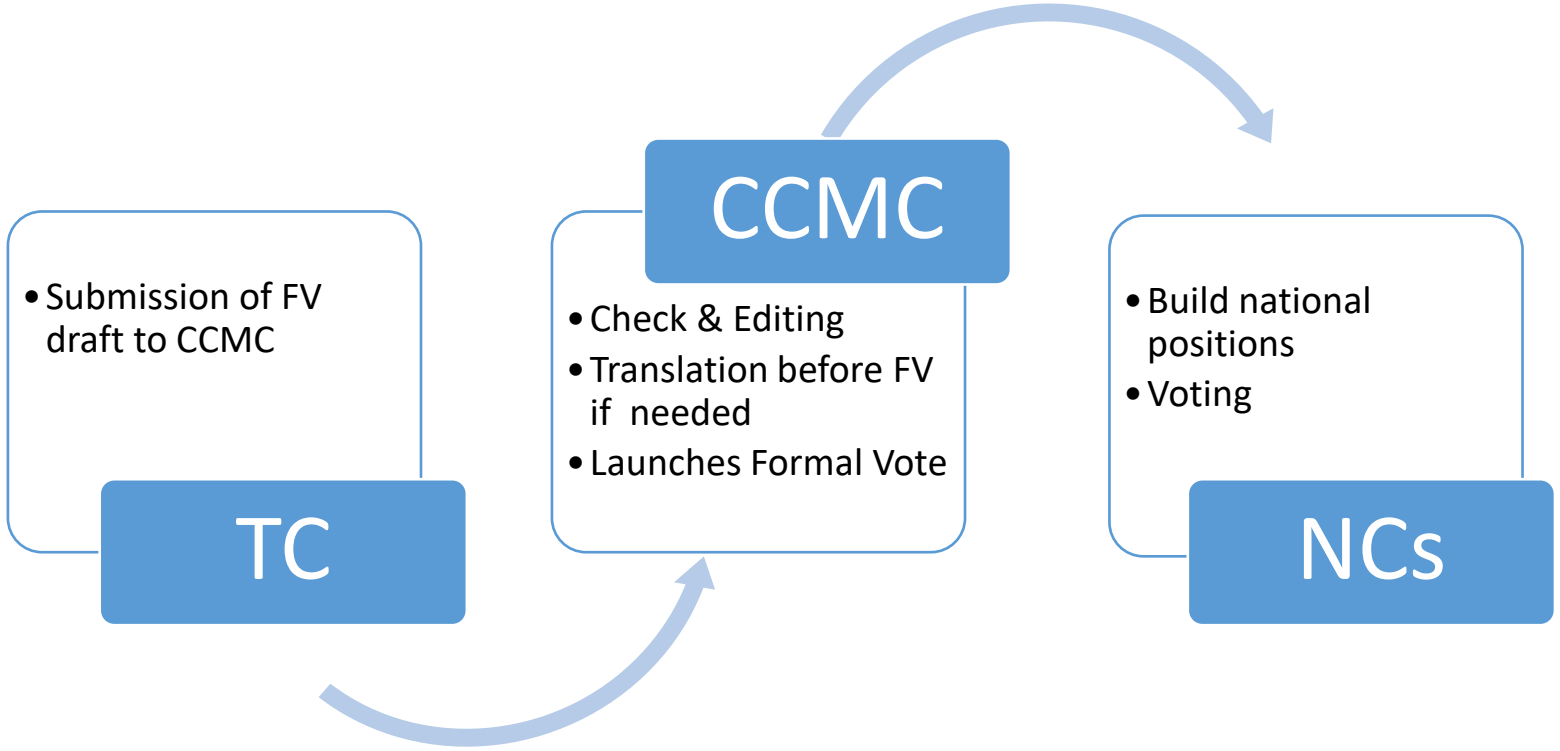


Consideration of comments



Possibility to use the CLC Committee Internal Voting (CIV) to take decisions to skip the vote

Approval



71% positive votes (weighted) → approved European Standard

Approval

Member country	Weighting	Member country	Weighting
France	29	Switzerland	10
Germany	29	Serbia	7
Italy	29	Croatia	7
United Kingdom	29	Denmark	7
Turkey	29	Finland	7
Poland	27	Ireland	7
Spain	27	Lithuania	7
Romania	14	Norway	7
Netherlands	13	Slovakia	7
Belgium	12	Cyprus	4
Czech Republic	12	Estonia	4
Greece	12	Latvia	4
Hungary	12	Luxembourg	4
Portugal	12	Slovenia	4
Austria	10	FYROM	4
Bulgaria	10	Iceland	3
Sweden	10	Malta	3
		TOTAL	412

Vote simulation tool available online: here

Publication

CCMC finalizes and publishes the EN + provides EN to National Committees for national publication

- Members publish ENs as national standards (+ may translate into national language)
- Withdraw conflicting standard(s)

Handling comments at FV - Decision D163/029

- Only **obvious editorial errors** and errors introduced by CCMC

  'Obvious editorial error' is an editorial error that is recognized as such immediately and without any doubt, both by the CCMC editor and the TC Secretary'

- **TC proofing**
  - 2 weeks → 3 weeks exceptional upon TC request
  - No reply → CCMC proceed to finalization

Relevant deliverables adjusting Published Text

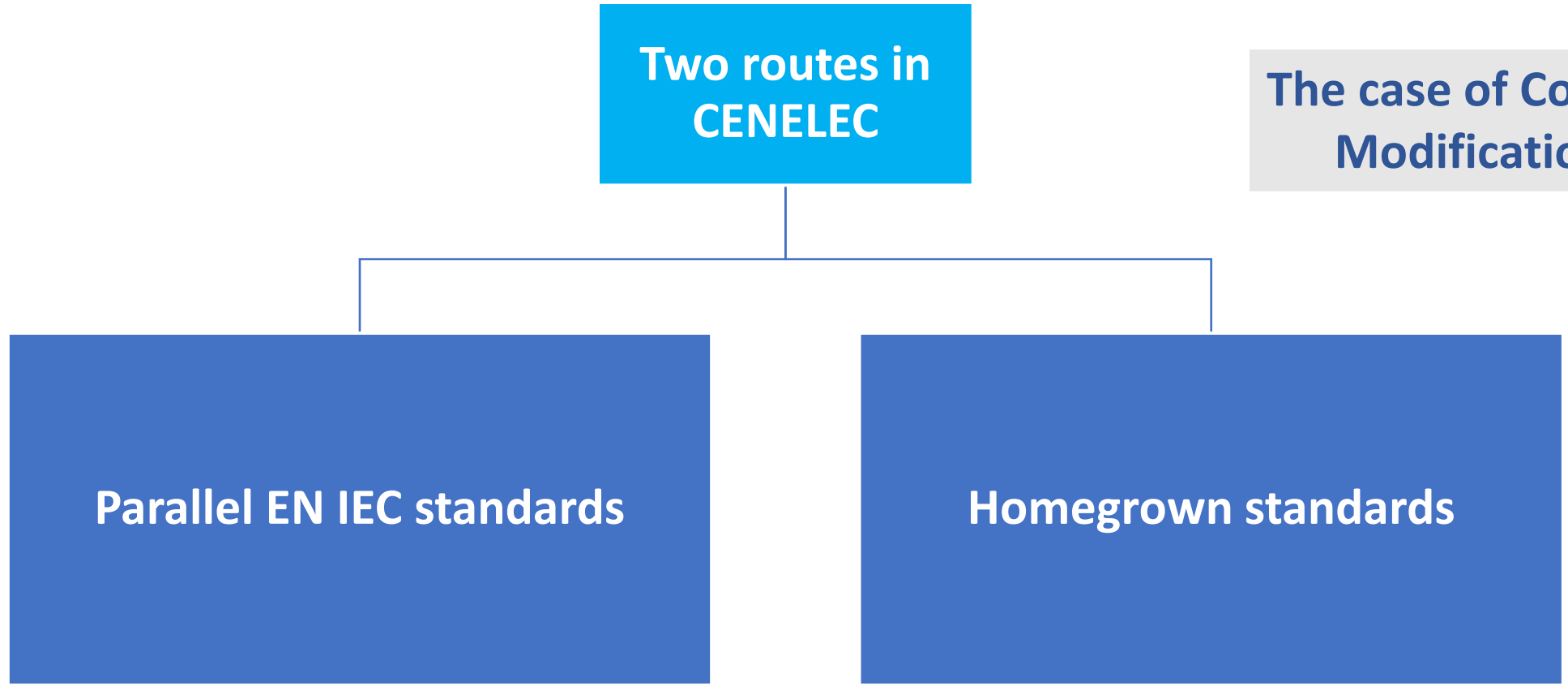
Amendments = modification/addition to or deletion of specific parts of the text → Only the amended text will be voted upon

- If amended → NWI request needed → Track: Enquiry (+ vote)

Corrigendum = Corrects mistakes that lead to incorrect/unsafe use of EN (→ TC rationale needed)

Maintenance → Process initiated by CCMC (alerts sent) → TC to ensure that EN content is still valid 5 years after publication

Standards development



The case of Common Modifications!

Common Modifications

- CEN-CENELEC Internal Regulations Part 2 (link)

> **2.14**
> **common modification**
> alteration of, addition to or deletion from the content of a reference document, approved by CEN/CENELEC and thus forming part of the EN (and HD for CENELEC)

- CENELEC BOSS:
  - https://boss.cenelec.eu/fadel/pages/commonmods/pages/
  - https://boss.cenelec.eu/media/BOSS%20CENELEC/ref/commonmods_charts.pdf. Also see Webinar.
- Matrix of responsibilities:
  - https://boss.cenelec.eu/media/matrix_responsibilities_harmonizedeniec.pdf
- ISO-IEC Guide 21-1 'Regional or national adoption of International Standards and other International Deliverables — Part 1: Adoption of International Standards'

Common Modifications

In phase

Common Modifications through European amendment (A11)

2 Work Items in the work programme

Parallel CDV/ENQ	A11 – ENQ (CCMC WI)
Parallel FDIS/FV	A11 - FV
Publication of EN IEC	A11 publication

- TC decision (informs CCMC) - no New Work Item request through NWI tool– secretary to notify CCMC asap (at the latest 2 weeks before the CDV)!
- The two work items will progress in parallel (EN IEC and EN IEC A11)
- European elements → always in the A11 (common mods and European Annexes)

Common Modifications

Not in phase

EN IEC runs in parallel

- Parallel CDV/ENQ
- Parallel FDIS/FV
- Publication of EN IEC with

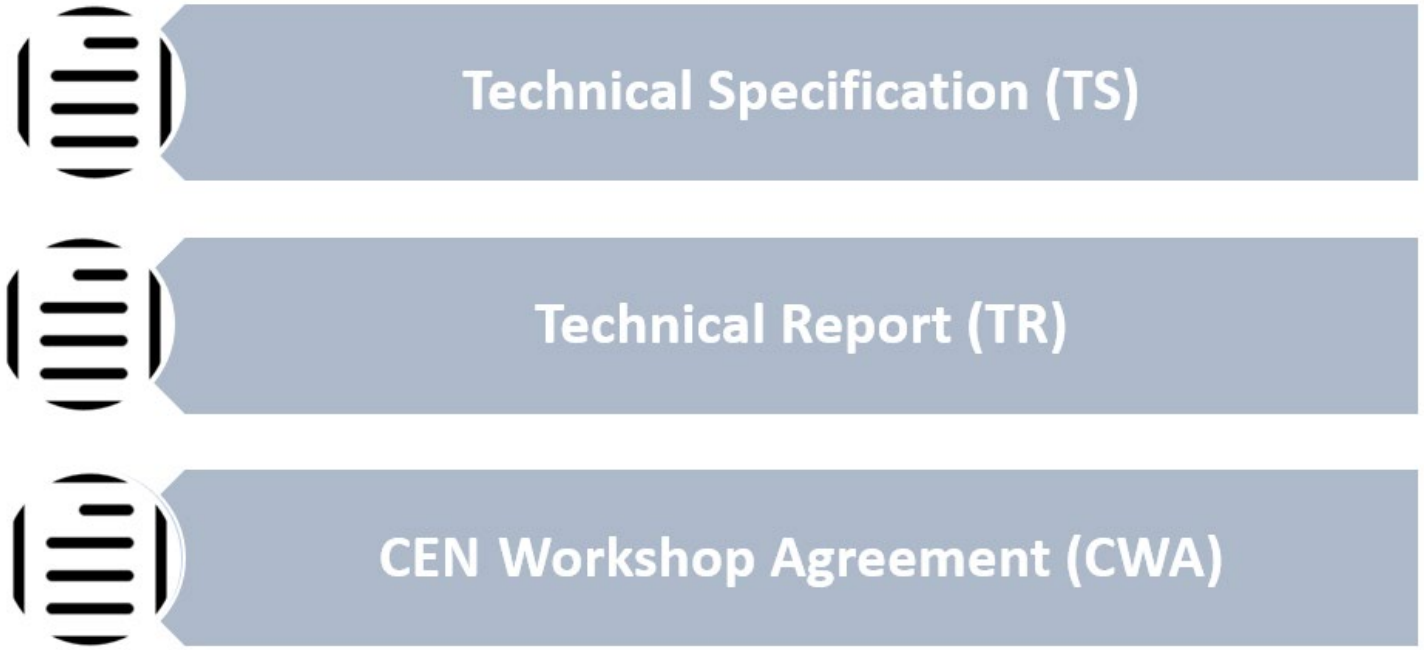
- A11 – ENQ (CCMC WI)
- A11 - FV
- A11 publication

The TC manages the project (start, submission to procedures, subject to the flexible development time process)

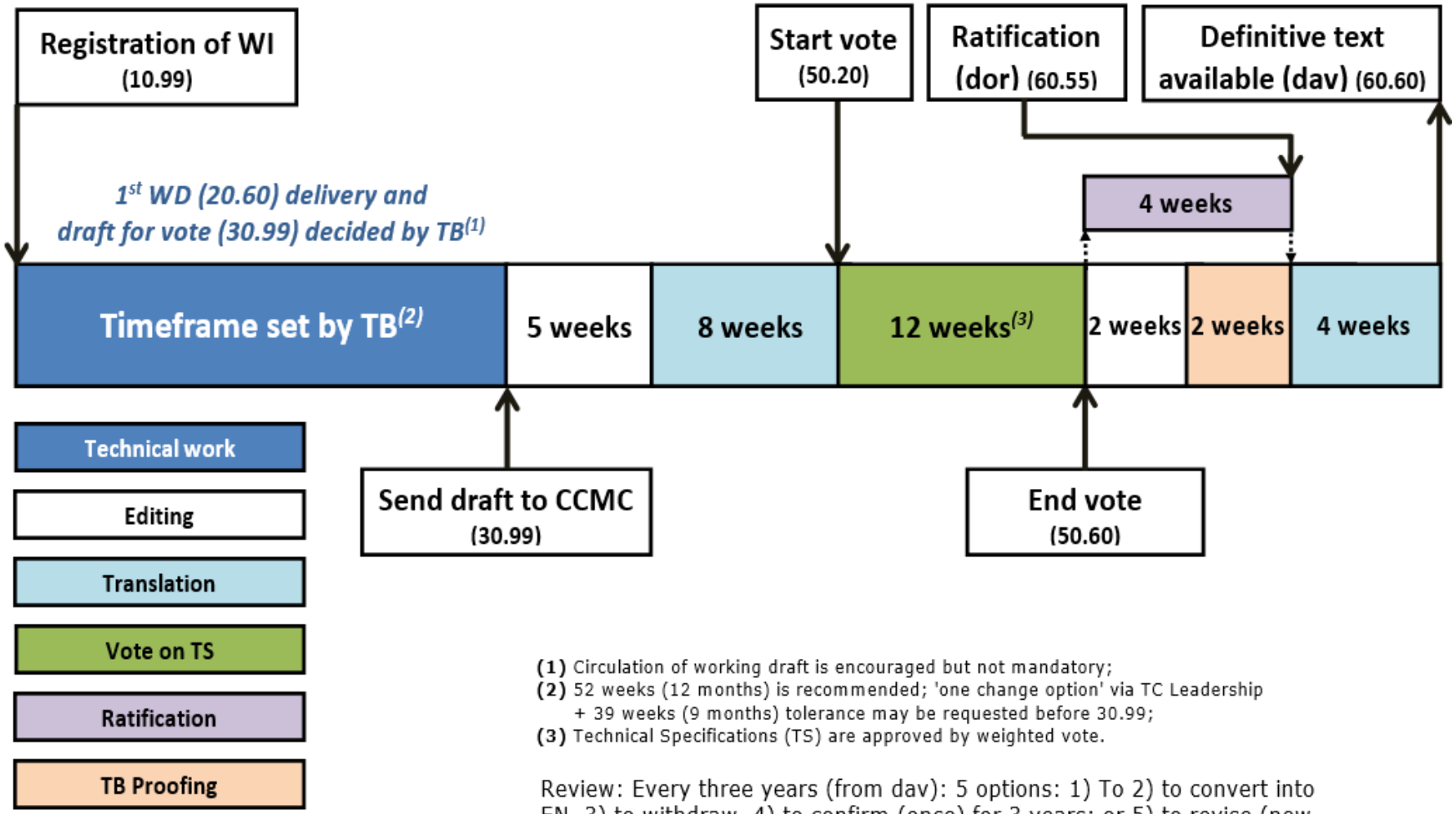
- **NWI request through NWI tool (not through CCMC!) ➔ link to webinar here!**
- **The publication of the EN IEC can be put on hold (but not preferred), pending the finalization of the A11**

Other deliverables

Adapting to market needs



Technical Specification (TS)

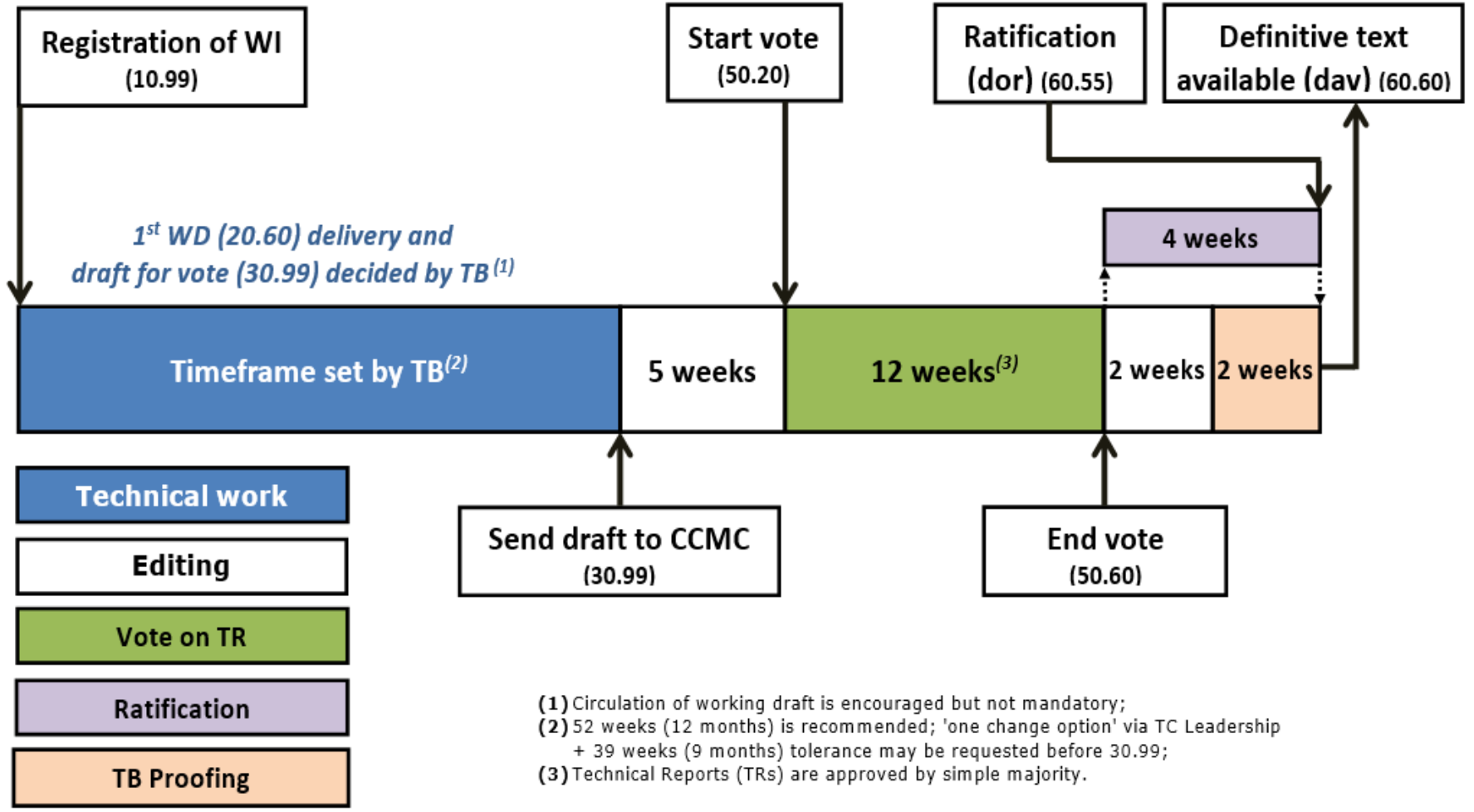


(1) Circulation of working draft is encouraged but not mandatory;
(2) 52 weeks (12 months) is recommended; 'one change option' via TC Leadership + 39 weeks (9 months) tolerance may be requested before 30.99;
(3) Technical Specifications (TS) are approved by weighted vote.

Review: Every three years (from dav): 5 options: 1) To 2) to convert into EN, 3) to withdraw, 4) to confirm (once) for 3 years; or 5) to revise (new edition of TS)

CEN and CENELEC Technical Body Officers Event

Technical Report (TR)



(1) Circulation of working draft is encouraged but not mandatory;
(2) 52 weeks (12 months) is recommended; 'one change option' via TC Leadership + 39 weeks (9 months) tolerance may be requested before 30.99;
(3) Technical Reports (TRs) are approved by simple majority.

Review: No limited lifetime.

Workshop Agreement

Developed in 'Workshops' (WS):

- Flexible (possibility to join in up until the very end)
- Direct participation
- Open to non-European

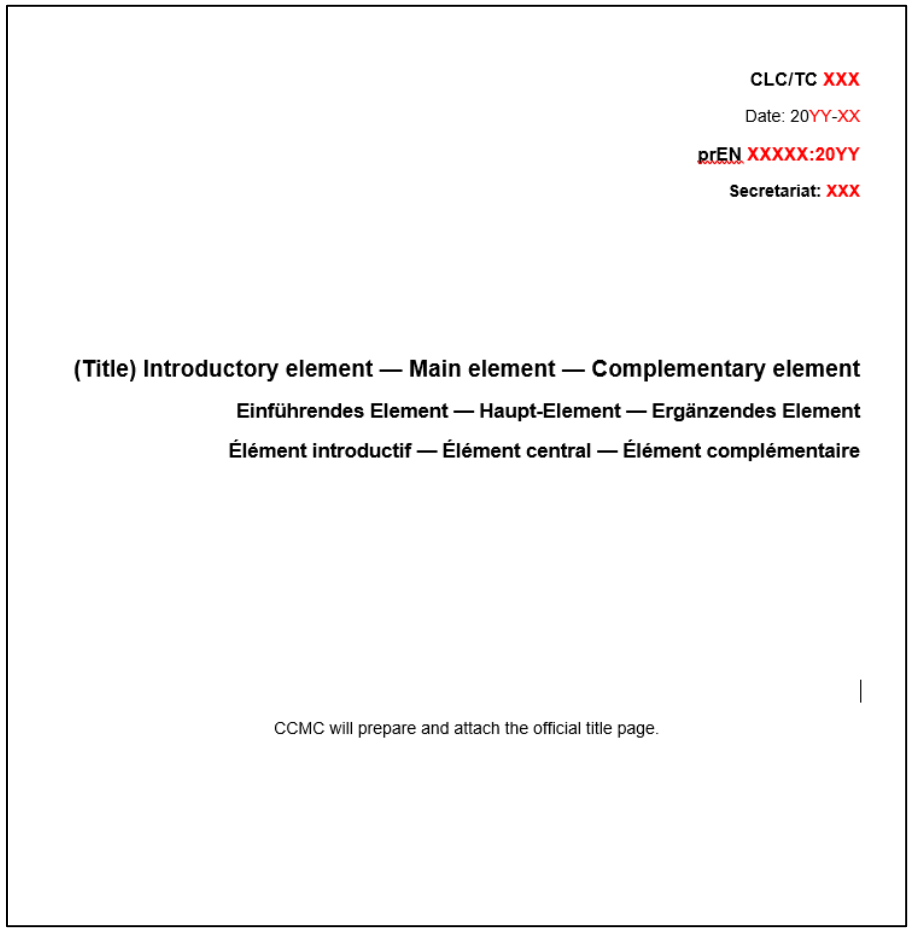
Represent the agreement of the WS participants

Used for:

- Emerging or rapidly-changing technologies
- Output of Research Projects
- As try-out before the development of ENs

Drafting, editing and publishing

Getting started



CLC/TC XXX

Date: 20YY-XX

prEN XXXXX:20YY

Secretariat: XXX

(Title) Introductory element — Main element — Complementary element

Einführendes Element — Haupt-Element — Ergänzendes Element

Élément introductif — Élément central — Élément complémentaire

CCMC will prepare and attach the official title page.

Useful tools to get you started

- Internal Regulations Part 3
- Find on CENELEC BOSS
- Drafting webinars available on the CLC expert area

Simple template

- CENELEC Simple Template ➔ Ready-styled, contains all elements
- Styles
- Headings
- Content layout

3. Frankfurt Agreement & Day-to-day management

International dimension

1 region = one standard instead of 34

→ Status of EN

→ Standstill

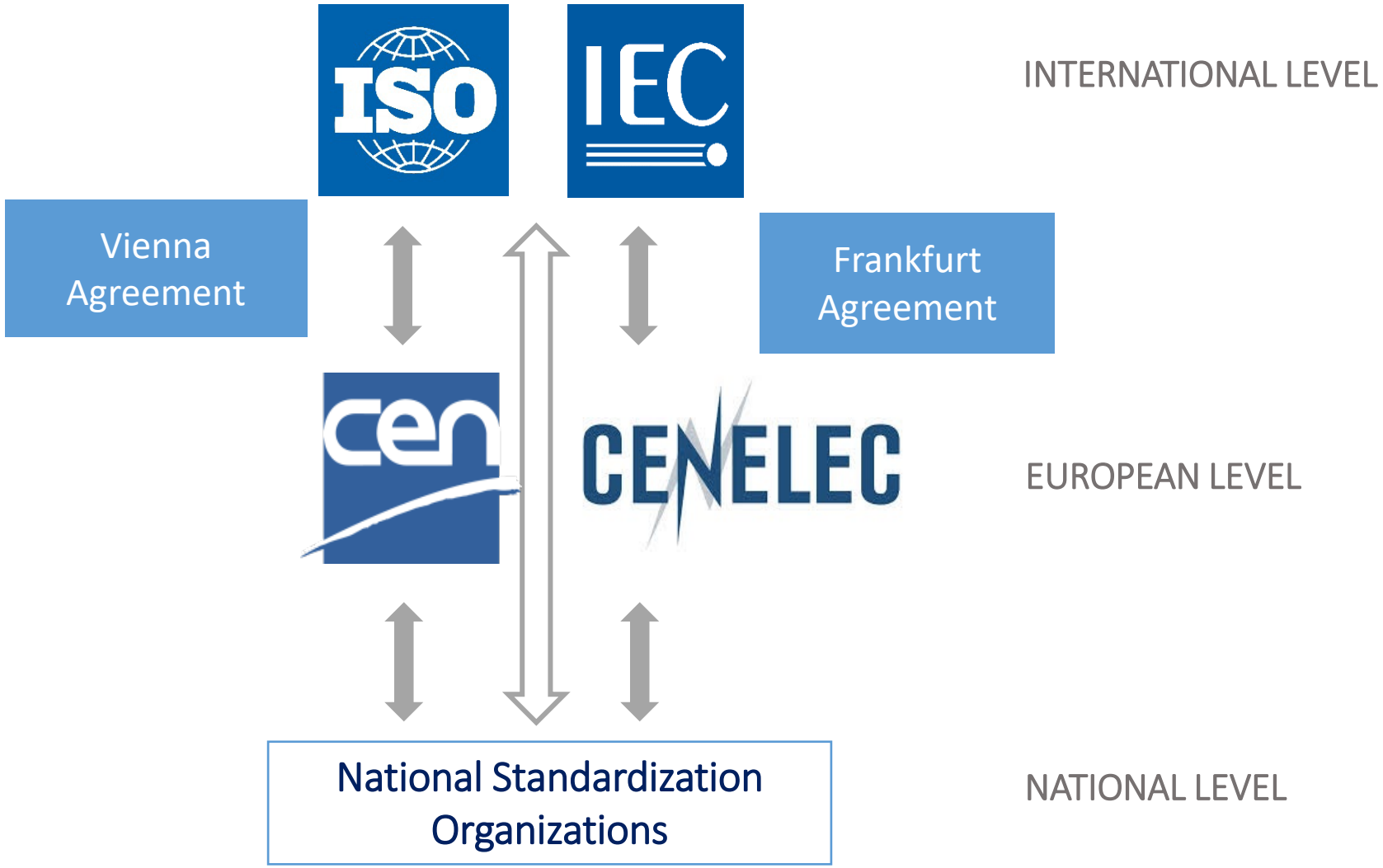
→ Obligation to implement

30% CENELEC portfolio = harmonized standards

CE Presumption of conformity

Access to European Market of 700 Million consumers using global standards

International dimension



International dimension

Primacy of International standards

- Commitment to primarily undertake the work at IEC level
- Expedite publication and common adoption of International Standards
- 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

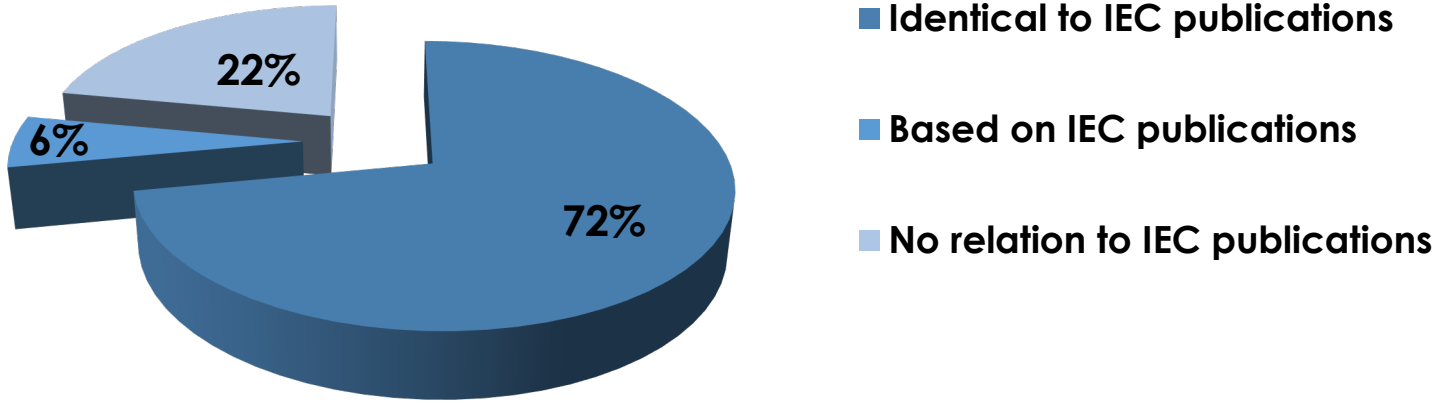
Supporting the European Market, using global standards

Facts and figures

What?	When?	Why?
Agreement on common planning of new work and parallel voting between IEC and CENELEC	1996 – Signature Dresden Agreement 2016 – Signature Frankfurt Agreement	Underline commitment of IEC & CLC to undertake work at Intl. level Promote global economy Ensure rational use of back office resources

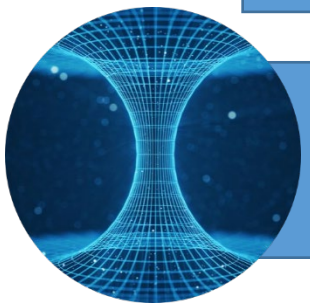
CENELEC – Portfolio – relation to IEC

Only European Standards (no TS, no TR, no Guides) are covered by the Frankfurt Agreement



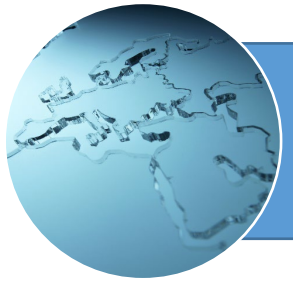
4 pillars of the Frankfurt Agreement

Common planning of Work



Parallel voting on draft International Standards

Publication Requirements



Conversion of European Standards
into International Standards

Common planning of New Work Items

Work initiated in IEC

When not 'exempted'

- Assigned to mirroring CLC Technical Committee (CLC/TC) or Reporting Secretariat (CLC/SR)
- Registered in CLC database with timescales
- Information e.g. on legislative aspects → CLC/TC responsibility and feedback to IEC
- Parallel adoption process starts in CENELEC

When 'exempted'

- No 'European adoption' but national adoption possible
- Standstill may apply → to be **used 'as such'** in Europe, no competing standards

Common planning of New Work Items

Work initiated in CENELEC (NWI)

Before initiating:

- Assess situation at IEC - possibility the IEC TC timely initiates the work

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

- Default* -- the New Work Item is offered to IEC
- The CLC/TC starts the work – IEC starts a NWIP on the WI
- If IEC NWIP accepted → CLC hands over work

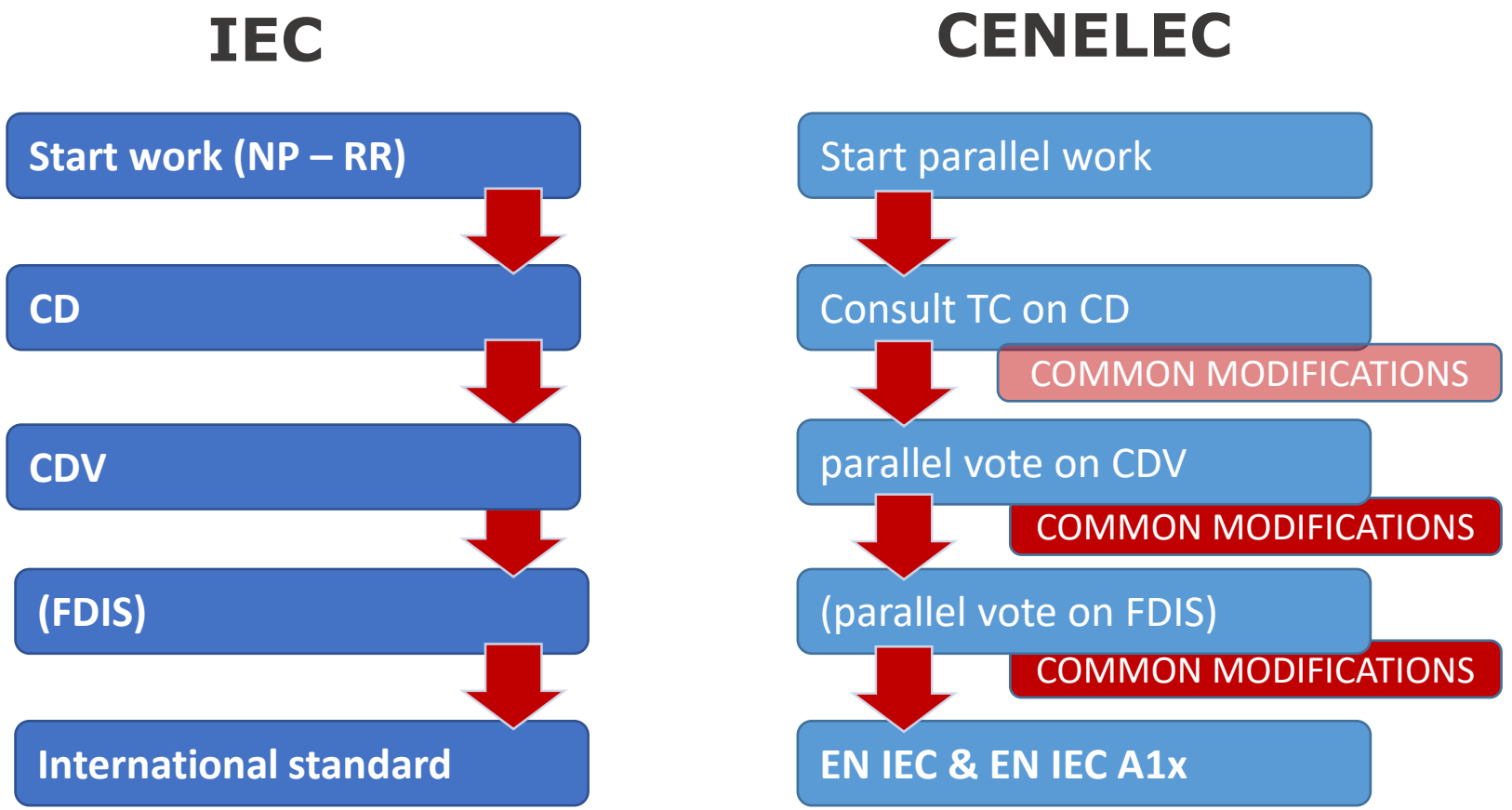
Max 24 weeks

* For specific reasons, the CLC/TC can decide not to offer

Parallel voting

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

From CDV on systematic parallel voting procedure in CENELEC



Conversion of EN into IEC standards

- **What?**
  - Published CENELEC deliverables (“homegrown standards”) offered to IEC
  - European Common Modifications to IEC based standards
- **If IEC TC takes them on board**
  - IEC text identical to CENELEC text → ‘*Boomerang case*’
    - No parallel voting
    - Just a correction of the numbering by corrigendum to reflect IEC number
  - IEC text different from CENELEC text → Parallel vote

Examples

IEC 63202-1

Edition 1.0 2019-06

INTERNATIONAL STANDARD

NORME INTERNATIONALE

Photovoltaic cells –
Part 1: Measurement of light-induced degradation of crystalline silicon photovoltaic cells

Cellules photovoltaïques –
Partie 1: Mesure de la dégradation induite par la lumière des cellules photovoltaïques au silicium cristallin

EUROPEAN STANDARD **EN IEC 63202-1**

NORME EUROPÉENNE

EUROPÄISCHE NORM

September 2019

ICS 27.160

English Version

Photovoltaic cells - Part 1: Measurement of light-induced degradation of crystalline silicon photovoltaic cells (IEC 63202-1:2019)

Cellules photovoltaïques - Partie 1: Mesure de la dégradation induite par la lumière des cellules photovoltaïques au silicium cristallin (IEC 63202-1:2019)

Photovoltaik-Zellen - Teil 1: Messung der lichtinduzierten Degradation von kristallinen Silizium-Photovoltaikzellen (IEC 63202-1:2019)

This European Standard was approved by CENELEC on 2019-07-25. CENELEC members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration.

Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the CEN-CENELEC Management Centre or to any CENELEC member.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CENELEC member into its own language and notified to the CEN-CENELEC Management Centre has the same status as the official versions.

CENELEC members are the national electrotechnical committees of Austria, Belgium, Bulgaria, Croatia, Cyprus, the Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, the Netherlands, Norway, Poland, Portugal, Republic of North Macedonia, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

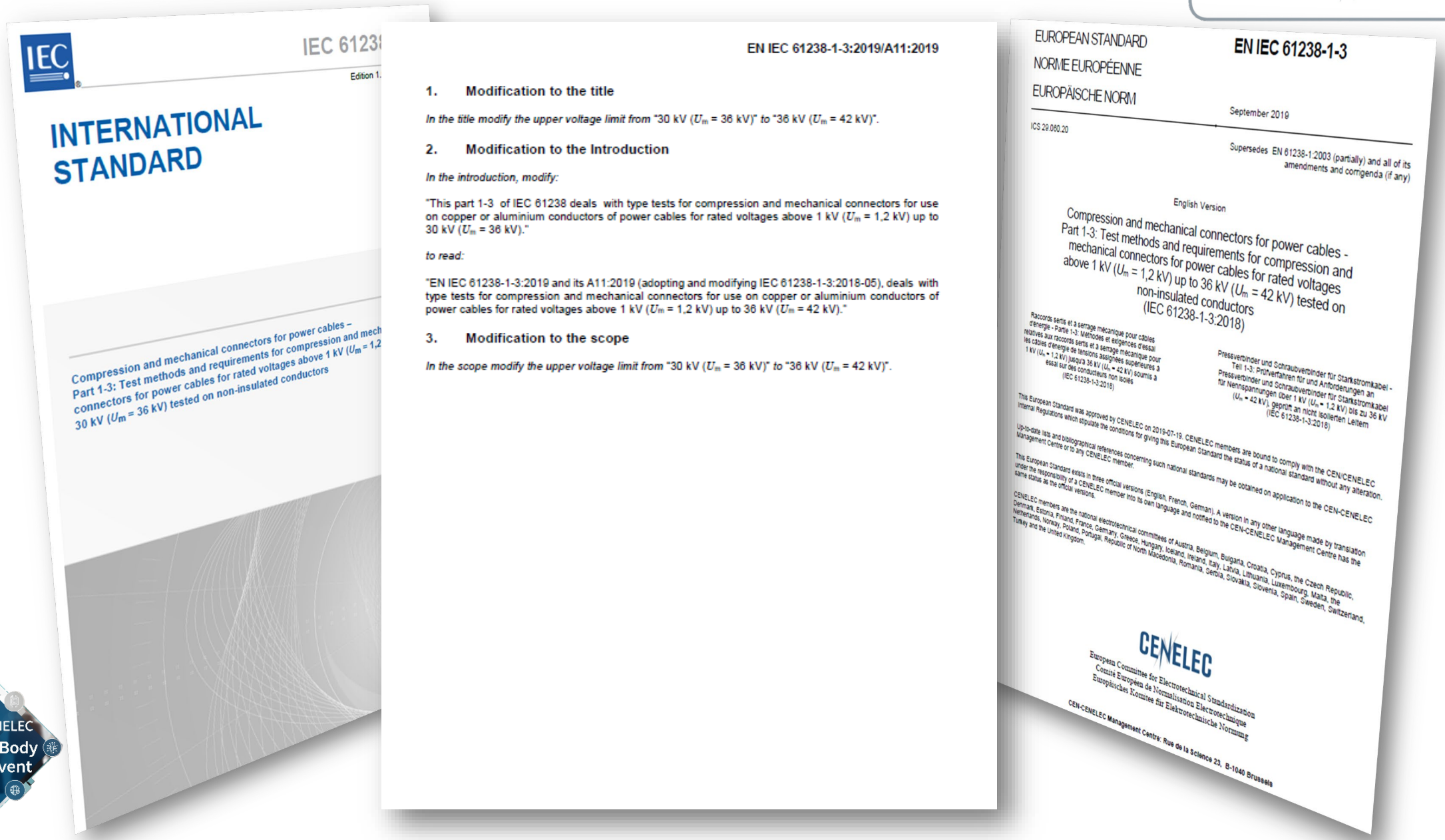
CENELEC

European Committee for Electrotechnical Standardization
Comité Européen de Normalisation Electrotechnique
Europäisches Komitee für Elektrotechnische Normung

CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

Ref. No. EN IEC 63202-1:2019 E

Examples (Common Modifications)



IEC 61238

Edition 1.

INTERNATIONAL STANDARD

Compression and mechanical connectors for power cables – Part 1-3: Test methods and requirements for compression and mech connectors for power cables for rated voltages above 1 kV (U_m = 1,2 30 kV (U_m = 36 kV) tested on non-insulated conductors

EN IEC 61238-1-3:2019/A11:2019

1. Modification to the title

In the title modify the upper voltage limit from "30 kV (U_m = 36 kV)" *to* "36 kV (U_m = 42 kV)".

2. Modification to the Introduction

In the introduction, modify:

"This part 1-3 of IEC 61238 deals with type tests for compression and mechanical connectors for use on copper or aluminium conductors of power cables for rated voltages above 1 kV (U_m = 1,2 kV) up to 30 kV (U_m = 36 kV)."

to read:

"EN IEC 61238-1-3:2019 and its A11:2019 (adopting and modifying IEC 61238-1-3:2018-05), deals with type tests for compression and mechanical connectors for use on copper or aluminium conductors of power cables for rated voltages above 1 kV (U_m = 1,2 kV) up to 36 kV (U_m = 42 kV)."

3. Modification to the scope

In the scope modify the upper voltage limit from "30 kV (U_m = 36 kV)" *to* "36 kV (U_m = 42 kV)".

EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN IEC 61238-1-3

September 2019

ICS 29.060.20

Supersedes EN 61238-1:2003 (partially) and all of its amendments and corrigenda (if any)

English Version

Compression and mechanical connectors for power cables - Part 1-3: Test methods and requirements for compression and mechanical connectors for power cables for rated voltages above 1 kV (U_m = 1,2 kV) up to 36 kV (U_m = 42 kV) tested on non-insulated conductors
(IEC 61238-1-3:2018)

Raccords sertis et à serrage mécanique pour câbles d'énergie - Partie 1-3: Méthodes et exigences d'essai relatives aux raccords sertis et à serrage mécanique pour les câbles d'énergie de tensions assignées supérieures à 1 kV (U_m = 1,2 kV) jusqu'à 36 kV (U_m = 42 kV) soumis à essai sur des conducteurs non isolés
(IEC 61238-1-3:2018)

Pressverbinder und Schraubverbinder für Starkstromkabel - Teil 1-3: Prüfverfahren für und Anforderungen an Pressverbinder und Schraubverbinder für Starkstromkabel für Nennspannungen über 1 kV (U_m = 1,2 kV) bis zu 36 kV (U_m = 42 kV), geprüft an nicht isolierten Leitern
(IEC 61238-1-3:2018)

This European Standard was approved by CENELEC on 2019-07-19. CENELEC members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration.

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CENELEC

European Committee for Electrotechnical Standardization
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Europäisches Komitee für Elektrotechnische Normung

CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

CEN and CENELEC Technical Body Officers Event

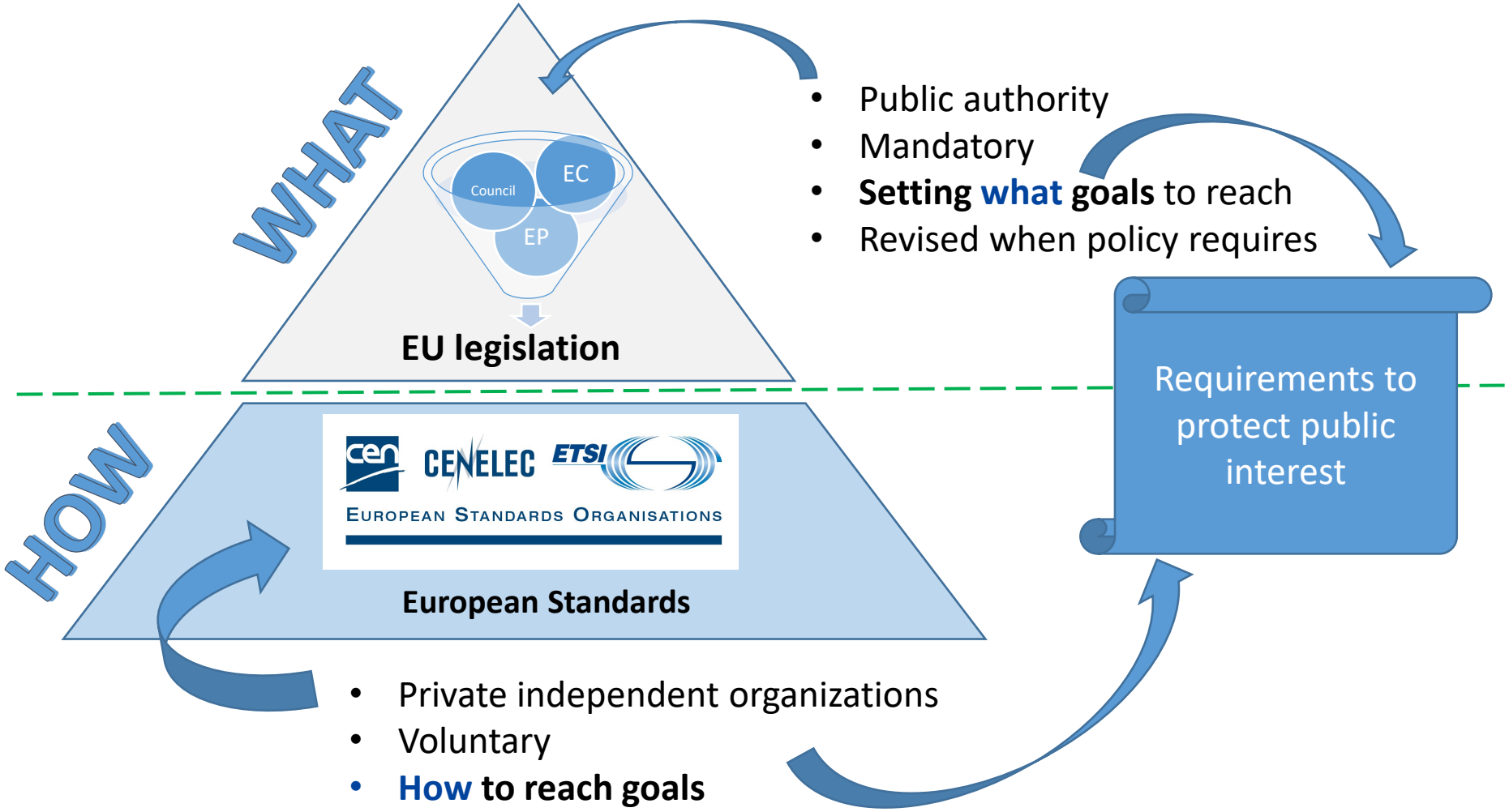
4. Developing ENs intended to be cited in OJEU

Link EU legislation & Standardization Requests

- **New Approach Directives**
  - Define essential requirements (e.g. health and safety)
  - Indicate WHAT shall be achieved without specifying HOW
  - Transposed in Member States

- **Reference to standards**
  - At EC's request, CEN and CENELEC develop Harmonized Standards (hENs)
  - ENs set out technical specifications to meet Directives' requirements

How Standardization supports legislation



- Public authority
- Mandatory
- **Setting what goals** to reach
- Revised when policy requires

- Private independent organizations
- Voluntary
- **How to reach goals**
- State of the art

CEN and CENELEC Technical Body Officers Event

New Legislative Framework

European law (Directives / Regulations) regulates important industrial sectors:

- PPE
- Medical devices
- Low voltage equipment
- Machinery
- EMC
- Radio Equipment

Link to EC page on Harmonised standards

✓ Standards are a tool to support EU policy and legislation according to the principles of the New Legislative Framework (previously known as New Approach)

Standardization Request

European Commission

Consultation (SRAHG)

Standardization request (SReq)

IEC

CEN CENELEC

SReq accepted by CEN and/or CENELEC

European Standard (EN)

ASSESSMENT

Harmonized standard

Official Journal of the European Union

Legislation

> 3000 harmonized standards listed in the OJEU

CEN and CENELEC Technical Body Officers Event

Link with EU legislation

Standardization Request is a precondition for citation of harmonized standards in Official Journal of the European Union (OJEU)

Harmonized must be assessed and have the following 'European elements'

- **Annex ZZ** (i.e. table establishing the relationship between the clauses of the standard and the regulatory requirements)
- **For IEC driven standards → Annex ZA** (i.e. table establishing the relationship between the IEC and the CENELEC normative references)

Link with EU legislation

Citation of standards in the Official Journal of the European Union (OJEU)

- Citation in the OJEU always **EC responsibility** – CEN and CENELEC offer candidate hENs to EC for citation every 2 months (more frequent offerings foreseen as of 2024)
- **Only when listed in the OJEU → presumption of conformity** for Essential Requirements covered by the hEN
- The lists of hENs are **published in the OJEU** and continuously updated: Harmonised Standards - Internal Market, Industry, Entrepreneurship and SMEs.

5. CENELEC BOSS and other useful information

The A-deviation system in CENELEC

- When drafting European standards, the intent should always be to ensure no conflict with national regulations.
- If, however, potential conflicts are identified, the responsible Technical Body (or SR) should make every effort to avoid the conflict.
- However, cases may arise where this is not possible, and a CENELEC member is confronted with a situation where it would have to implement an EN that is not compliant with the regulation of its country.
- It is then the full right of this CENELEC member, and this right cannot be denied, to ask for derogation from the application of the standard in its country. This derogation is exercised through the application of an A-deviation.

The A-deviation system in CENELEC

The request for a possible A-deviation shall contain:

- a critical examination of the national situation in regard of the legal requirements of its national regulation;
- the title, date and where possible the relevant clauses/elements of the national regulation; the member presenting a request for A-deviation should provide (if requested by the Technical Body) an informal translation of the relevant part(s) of the national regulation into the working language of the Technical body.
- the reference(s) of the standard(s) affected by this request;
- the reference(s) of the clause(s) of the draft(s) concerned by this A-deviation, or the indication that the A-deviation affects the standard(s) in its whole.

It should be presented by the NSB **while the draft for Enquiry is finalized** !

The A-deviation system in CENELEC

The Technical Body (and SR) is responsible for assessing the material presented in support of the request for the A-deviation. The role of Technical body (or SR) is restricted to verifying whether there is a conflict between the EN and national regulation, on the basis of the evidence provided by the NC requesting it, which needs to be:

- Fully documented
- Convincing
- Verifiable

CENELEC Expert Site

Link: https://experts.cenelec.eu/

Your platform to:

- Applications & services
- Expert news (with 'subscribe to news' option)
- Trainings & materials
- Key initiatives
  - 🦠 Digital Transformation
  - 📝 Online Collaborative Authoring
  - 🚀 Standards of the Future
  - 🤝 Open Source Solutions
- CENELEC BOSS

Business Operation Support System

- Link: https://boss.cenelec.eu/
- Source of stable information to CENELEC/TC secretaries, chairpersons and experts
- Quick and easy access to navigate-internet tool with public access from main CENELEC website
- CEN-CENELEC Internal Regulations are on the BOSS
  - Part 2: Common Rules for Standardization Work
  - Part 3: Rules for the structure and drafting of CEN/CENELEC Publications

Business Operation Support System

Forms and templates

TECHNICAL BODY ORGANIZATION

- Meeting agenda (NEW!)
- Terms of Reference
- TC Business Plan
- TC report to BT (NEW!)
- JTC report to BTs
- SC report to TC
- BTTF report to BT
- Registration form TC meeting
- Registration form BTTF meeting
- Registration form (BT)WG meeting
- Workshop - Registration Form
- Workshop - Proposal Form
- Workshop - Project plan
- Application form to become member in a Joint advisory or coordination g

TECHNICAL WORK

- Commenting template
- Checklist – Items to be considered when drafting standards to be offered
- IPR- Exploitation Rights License Agreement
- IPR - Attendance list
- IPR - Patents declaration
- IPR - WS exploitation
- NWI form
- New Field of Technical Activity

ANNEX ZZ

- Generic template (**EN** - **FR** - **DE**)
- Ecodesign (**EN** - **FR** - **DE**)
- EMCD (**EN** - **FR** - **DE**)
- EMCD - generic text for references to **EN 55011**, **EN55014-1**, **EN 55015**,
- GPSD (**EN** - FR and DE not available)
- IVDR (**EN** - FR and DE not available)
- LVD (**EN** - **FR** - **DE**)
- Medical Devices (**EN** - FR and DE not available)
- Machinery (**EN** - FR and DE not available)
- RED - EMC (**EN** - FR (not available) - **DE**)
- RED - Safety (**EN** - FR (not available) - **DE**)
- Railway (**EN** - FR and DE not available) + **Explanatory note**

TECHNICAL BOARD

- **NC template for BT documents**
- **Reply to BT consultation (NCs) - general** NEW!
- **Reply to BT vote on Standardization Requests** (NCs)
- **Reply to BT consultation - Partners**
- **Comments on draft Standardization Requests**
- **Candidature for (re)allocation of TC/SC/JTC secretariat**
- **Candidature for (re)allocation of SR secretariat**

INICAL STRUCTURES HOMEGROWN DELIVERABLES FRANKFURT AGREEMENT DELIVERABLES REFERENCE MATERIAL

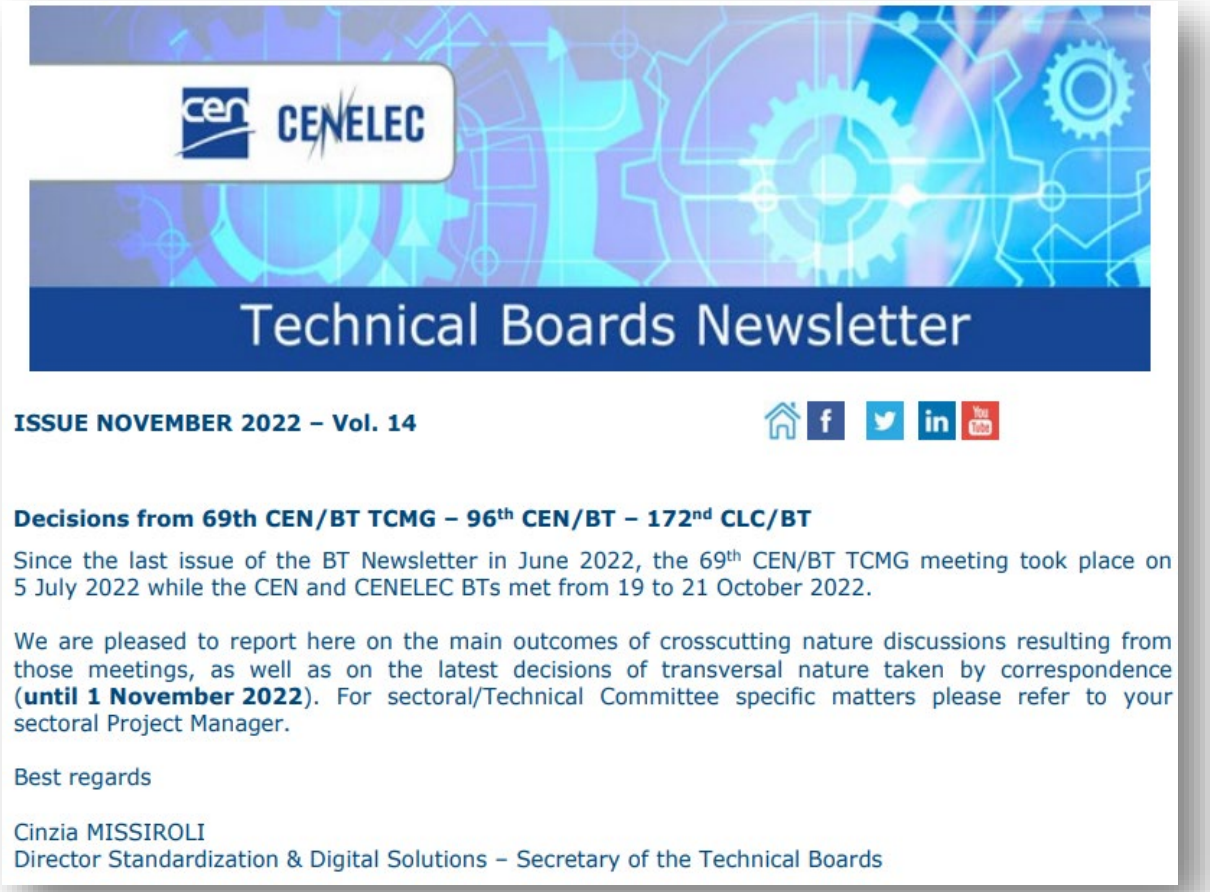
Operations
System

ystem (BOSS) aims at
hose actively contributing
within the CENELEC
s and gives access to
day-to-day work.

BT newsletter

Sent after each BT meeting

- Report on the main outcomes of crosscutting nature discussed in the BT meetings as well as on the latest decisions of transversal nature taken by correspondence
- Sent by email to all TC Officers



Technical Boards Newsletter

ISSUE NOVEMBER 2022 – Vol. 14

Decisions from 69th CEN/BT TCMG – 96th CEN/BT – 172nd CLC/BT

Since the last issue of the BT Newsletter in June 2022, the 69th CEN/BT TCMG meeting took place on 5 July 2022 while the CEN and CENELEC BTs met from 19 to 21 October 2022.

We are pleased to report here on the main outcomes of crosscutting nature discussions resulting from those meetings, as well as on the latest decisions of transversal nature taken by correspondence (**until 1 November 2022**). For sectoral/Technical Committee specific matters please refer to your sectoral Project Manager.

Best regards

Cinzia MISSIROLI
Director Standardization & Digital Solutions – Secretary of the Technical Boards

More information

- Webinar: Standardization Requests – State of Play
- Webinar: Use and justification of normative references for harmonised standards
- Webinar: Risk assessment in standards tool for harmonisation
- Webinar: Harmonized European standards: Drafting standards compliant with EU legislation
- Webinar: Webinar 'Drafting for compliance: best practices in standards in support of the Low Voltage Directive' - CEN-CENELEC.
- Webinar: Matrix of responsibilities for requesting common modifications to IEC standards and the inclusion of Annex Z/(ZA) in IEC Standards
- Webinar: Webinar 'Implementing International Standards in Europe – The Frankfurt Agreement (together with IEC)

Contact points

TC reports to BT, NWI requests: dataservice@cencenelec.eu

Texts for procedures: production@cencenelec.eu

Liaisons with European federations: partners@cencenelec.eu

Support on research projects: research@cencenelec.eu

For anything else, contact your Project Manager! ☺

6. CEN and CENELEC Joint Technical Committees

Joint Technical Committees (JTC)

- **Why JTC?**
  - To avoid duplication of work where electrotechnical and non-electrotechnical sectors have technical subjects in common (such as Digital Product Passport, Space, Quantum technologies,..)
- **IT tools and platform:**
  - The National Member holding the JTC secretariat determines the platform for distributing documents and IT tools for handling internal balloting or decisions by correspondence
- **Reporting**
  - JTCs report to both CEN and CENELEC BTs
  - All decisions related to administrative governance (e.g., appointing the Chairperson) are submitted to both BTs via correspondence
  - Exception: Starting February 2025, decisions on New Work Items (NWI) will be delegated directly to the JTC (see next slides)

Creation of a NWI in CEN-CLC JTC

- starting February 2025

The decision to approve of NWI is delegated to CEN-CLC/JTCs

- **8-week consultation** period for approval on NWI (weighted vote for ENs and TSs, and simple majority for TRs) ***No BTs approval!***
  - CEN CIB for those JTCs under a CEN Member secretariat;
  - CLC NWI eVoting tool for those JTCs under CENELEC Member secretariat;
- Next stages through tools and channels of organization having Secretariat lead (e.g. submission of draft, voting system,…)
- **Change of lead possible** via a JTC decision (simple majority)
- The commitment of **at least 5 Members** is required for a NWI to be approved (except for adoptions, without modifications, of existing ISO/IEC standards as ENs)
- **Notification** will be sent to voters, Members, Secretaries and permanent delegates when a NWI proposal is launched or a change in lead is requested

Changing the lead by JTCs

- After NWI approval, the joint committee may decide by simple majority to transfer and change the lead to other organization (e.g. from CEN to CENELEC)
- Organizational rules of secretariat continue to apply
- Enquiry and voting carried out according to the tools and experts registered in the lead organization (e.g. by the NCs in each country if CENELEC has the lead)
- In countries with separate CEN and CENELEC entities, comments are consolidated at national level into a single national position

7. Liaison Organizations

Participation of Liaison and/or Partner Organizations in CEN/TC, CLC/TC and CEN-CLC/JTC

Becoming a Liaison Organization

The status of Liaison Organization
and
Technical Committees' role

Key notes:

- Delegated Decision from Technical Boards to Technical Committees
- Vote/Ballot Mandatory
- Reasonable timeline

Procedural aspects – step by step

Note: Procedure wise the same steps apply to EU Research Projects

Becoming a Liaison Organization

The applicant contacts CEN-CENELEC Management Center (CCMC) via partners@cencenelec.eu to establish a liaison with one or several specific CEN or CLC/TC or CEN-CLC/JTC to participate in their technical activities or researches

1. query

2. info

CCMC sends background information (CEN-CENELEC Guide 25) and application form, which are also available online on CEN's webpage and CENELEC's webpage.

Form duly filled and CCMC assessment

✓ the applicant completes and returns the form to CCMC together with the additional documentation as requested in the form

[If the applicant has already established a liaison with another TC, provide CCMC with a description of their interest in new TC and how they intend to contribute (Question 6 of the form)]

✓ CCMC makes a preliminary assessment of the application form, preferably within one week

3. application

4.1 TC approval

Formal TC approval via Committee Internal Balloting

[(CIB)-CEN] or Committee Internal Voting [(CIV) – CENELEC]

If the assessment is positive, CCMC requests the (J)TC Secretary to take a decision by correspondence via a 4-week CIB or CIV (mandatory!) amongst TC members (preferably within one week)

Becoming a Liaison Organization

4.2 TC approval

Follow up of TC approval

The (J)TC Secretary sends via email to partners@cencenelec.eu (preferably in one pdf file):

- ✓ the formatted (J)TC decision, by using the decision template (available on CEN BOSS and CENELEC BOSS) specifying whether the decision was taken by unanimity or simple majority with N positive votes, N negative vote(s) and N abstention(s)
- ✓ the CIB or CIV outcome report, that will be made available by CCMC to the Permanent Delegates (notification of delegated decisions)

Note: when relevant approval from CEN or/and CENELEC Technical Boards may be sought by CCMC

Liaison Agreement

CCMC receives the (J)TC decision (positive), CCMC and contacts the applicant organization requesting it to:

- Sign an agreement with CEN or CENELEC in case of a new liaison organization or update the Annex 1 to an existing agreement
- Appoint observer to TC(s)/SC(s)/WG(s)

Warning! Representatives can be appointed only after signature of the agreement!

5. Agreement

Becoming a Liaison Organization

Regulatory background

✓ CEN-CENELEC Internal Regulations - Part 2

> **4.3.2 External liaisons**
>
> For liaisons with external organizations, see CEN-CENELEC Guide 25 "The concept of Partnership with European Organizations and other stakeholders".
>
> Organizations having been granted observer status in designated technical bodies may appoint one observer to participate in the related technical activities. Participation in Working Groups follows the conditions in 3.4.2.

✓ CEN-CENELEC Guide 25 “The concept of Cooperation with European Organizations and other stakeholders” – Chapter 2

Becoming a Liaison Organization

Useful Links/Documents:

- ✓ CEN dedicated BOSS page
- ✓ CENELEC dedicated BOSS page
- ✓ Application form
- ✓ Formatted Decision CEN
- ✓ Delegated Decision CENELEC
- ✓ CEN-CENELEC Guide 25

  "The concept of Cooperation with European Organizations and other stakeholders"

- CEN-CENELEC Internal Regulations - Part 2

Thank you!

Questions?

Lunch and networking
12.15 – 1.15
Ground floor, reception area

