



CENELEC



CEN Webinar 'CEN Annex ZA - Updates related to the Table ZA.2'

*We start at
10:00 CET*

Webinar moderator



Els SOMERS

Project Manager

Public Relations

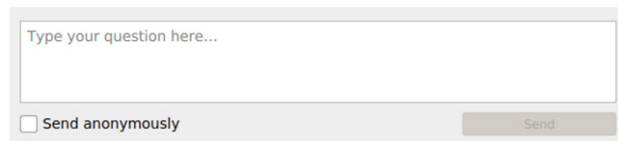
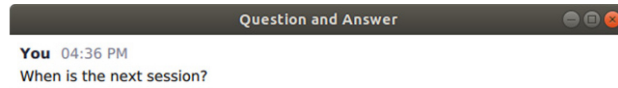
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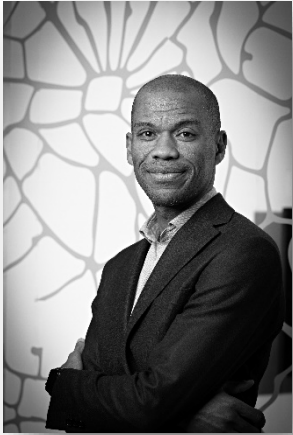


- ▶ You are muted
- ▶ Use the Q&A panel to submit your questions



- ▶ Talk about us on X with [#training4standards](#) [@Standards4EU](#)

Speakers



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- CCMC: CEN and CENELEC Management Center
- CD: Committee Draft
- EC: European Commission
- EN: European Standard
- HAS: Harmonized Standard
- hEN: Harmonized European Standard
- FV: Formal Vote
- NSB/NC: National Standardization Body (CEN)/National Committee (CENELEC)
- OJ/OJEU: Official Journal / Official Journal of the European Union
- PM: Project Manager
- QC: Quality Check
- SRAHG: Standardization Request Ad-Hoc Group
- SREQ: Standardization Request
- TB: Technical Body
- TBO: Technical Body Officer
- TC: Technical Committee
- WD: Working Draft
- WG: Working Group
- WI/NWI: Work Item / New Work Item
- NR: Normative reference

- I. Normative References in harmonized standards:
 1. legal requirements
 2. BT decisions / updated templates

- II. Guidance on the use of NRs (in harmonized standards)

- III. Dating NRs using Table ZA.2

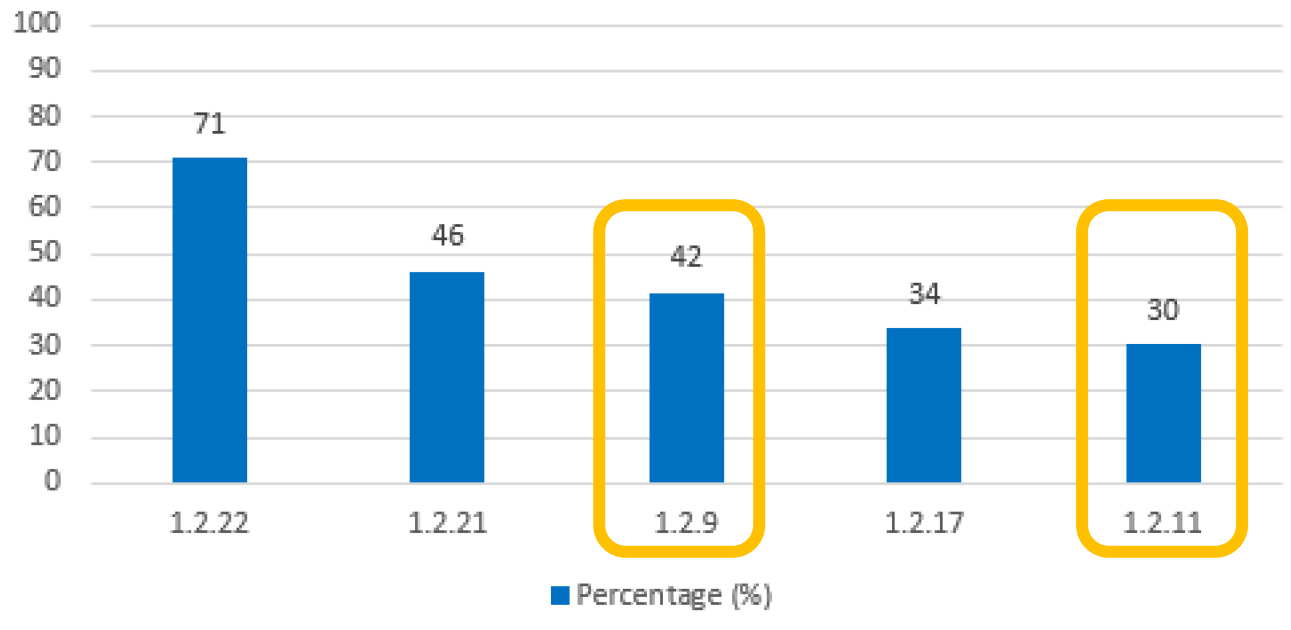
- IV. Use cases

EC position on normative references

- ▶ Normative references form an integral part of hENs → **normative references should be dated**
- ▶ Undated normative references creates dynamic reference → difficult for EC to control its continued suitability to give presumption of conformity



Main Reasons for Lack of Compliance



- ▶ 1.2.22: Annex Z
- ▶ 1.2.21: Annex Z
- ▶ 1.2.9: Normative references
- ▶ 1.2.17: Test methods
- ▶ 1.2.11: Normative references

▶ BT 027/2021

- ▶ dating normative references in clause 2 of the ISO standard remains the preferred option
- ▶ Added “Table ZA.2” in Annex ZA template
 - ▶ For the dating of undated NRs in the EN ISO standard

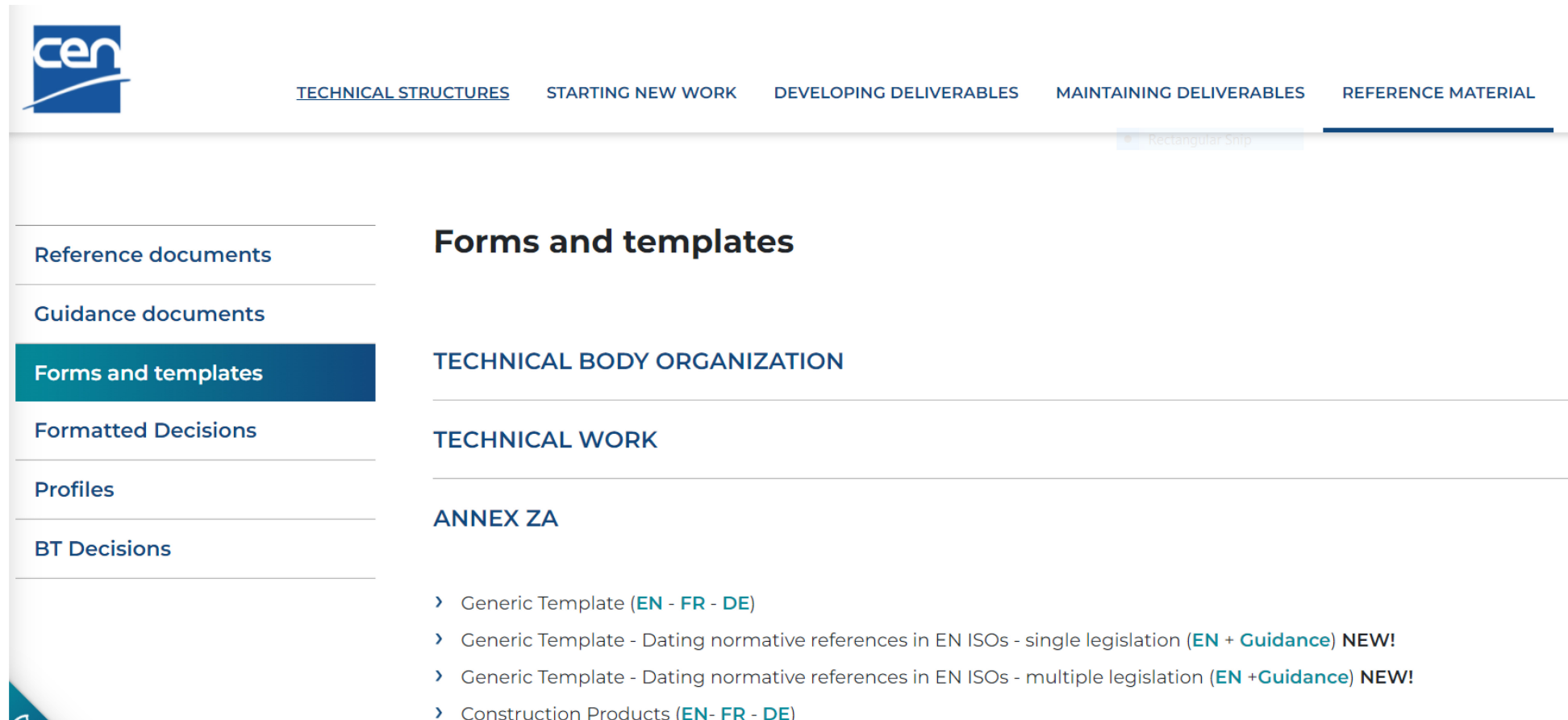
▶ BT C167/2024

- ▶ Changes the title of the Table ZA.2, to avoid confusion
- ▶ Gives the possibility to TBs to correct withdrawn NRs in the EN ISO standard

Updated templates

Where to find them?

<https://boss.cen.eu/reference-material/formstemplates/pages/>



The screenshot shows the CEN website interface. At the top left is the CEN logo. A navigation bar contains the following links: TECHNICAL STRUCTURES, STARTING NEW WORK, DEVELOPING DELIVERABLES, MAINTAINING DELIVERABLES, and REFERENCE MATERIAL. The 'REFERENCE MATERIAL' link is highlighted with a blue underline. Below the navigation bar, there is a breadcrumb trail: 'Rectangular Strip'. On the left side, there is a vertical menu with the following items: Reference documents, Guidance documents, Forms and templates (highlighted in dark blue), Formatted Decisions, Profiles, and BT Decisions. The main content area is titled 'Forms and templates' and contains the following sections: TECHNICAL BODY ORGANIZATION, TECHNICAL WORK, and ANNEX ZA. Under ANNEX ZA, there is a list of four items:

- › Generic Template (EN - FR - DE)
- › Generic Template - Dating normative references in EN ISOs - single legislation (EN + Guidance) **NEW!**
- › Generic Template - Dating normative references in EN ISOs - multiple legislation (EN + Guidance) **NEW!**
- › Construction Products (EN- FR - DE)

► When to use them?

- Normative references not dated in the ISO publication
- To correct withdrawn normative reference(s) in EN ISO standard

► Can the template be used outside of the Vienna Agreement?

- No, only in the framework of EN ISOs

Table ZA.2 — Normative references from clause 2 of this document and their corresponding European publications

Column 1 Reference in Clause 2	Column 2 International Standard Edition	Column 3 Title	Column 4 Corresponding European Standard Edition

The documents listed in the Column 1 of table [ZA.2], in whole or in part, are normatively referenced in this document, i.e. are indispensable for its application. The achievement of the presumption of conformity is subject to the application of the edition of Standards as listed in Column 4 or, if no European Standard Edition exists, the International Standard Edition given in Column 2 of table [ZA.2].

- ▶ Shows the correspondence between International Standards and the European version
- ▶ Can be used to :
 - ▶ date normative references which were left undated in the ISO text
 - ▶ Correct withdrawn NRs in EN ISO text
- ▶ CEN Committee /WG is responsible for filling in the Annex ZA

1. Normative references **should be dated** in Clause 2 and **in body of standard** → for EN ISO standards, dating normative references could also take place in Annex ZA

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

EN 81-43:2009, *Safety rules for the construction and installation of lifts - Special lifts for the transport of persons and goods - Part 43: Lifts for cranes*

EN 363:2018, *Personal fall protection equipment - Personal fall protection systems*

EN 894-1:1997+A1:2008, *Safety of machinery - Ergonomics requirements for the design of displays and control actuators - Part 1: General principles for human interactions with displays and control actuators*

EN 894-2:1997+A1:2008, *Safety of machinery - Ergonomics requirements for the design of displays and control actuators - Part 2: Displays*

EN 12077-2:1998+A1:2008, *Cranes safety - Requirements for health and safety indicating devices*

EN 12644-1:2001+A1:2008, *Cranes - Information for use and testing - Part 1:*

EN 12644-2:2000+A1:2008, *Cranes - Information for use and testing - Part 2:*

EN 13001-1:2015, *Cranes - General design - Part 1: General principles and req:*

EN 13001-2:2014, *Crane safety - General design - Part 2: Load actions*

EN 13001-3-1:2012+A2:2018, *Cranes - General Design - Part 3-1: Limit States and proof competence of steel structure*



5.6.2 Guarding and access

5.6.2.1 The crane shall have permanent access to all control stations, in accordance with EN 13586:2004+A1:2008.

Where access is provided by means of a permanent personnel lift, it shall comply with EN 81-43:2009.

2. Normative references **should be:**

- ▶ **dated**
- ▶ **active**
- ▶ **published when hEN is adopted**



- ▶ **Vademecum Part 3**: at the time of adoption (DAV) of hEN → **latest edition of normative references**

- ▶ (section 2.8.3): guidance on the use of normative references in hEN → **Reference document for EC**

- ▶ **Don't**: use normative references that are withdrawn; non-publicly available documents; draft standards; etc



3. Normative references should be **EN/ISO/IEC published standards**

- ▶ EC requests that **national standards** are not used
- ▶ Inclusion of non-EN/ISO/IEC standards only possible on exceptional cases **if EC agrees** → request and justification to submitted to EC

ASME B31.3:2018, *Process piping*

NFPA 11:2021, *Standard for Low-, Medium-, and High-Expansion Foam*

NFPA 12:2018, *Standard on Carbon Dioxide Extinguishing Systems*

NFPA 13:2019, *Standard for the Installation of Sprinkler Systems*

NFPA 15:2017, *Standard for Water Spray Fixed Systems for Fire Protection*

NFPA 750:2019, *Standard on Water Mist Fire Protection Systems*

NFPA 2001:2018, *Standard on Clean Agent Fire Extinguishing Systems*

NFPA 2010:2020, *Standard for Fixed Aerosol Fire-Extinguishing Systems*



4. Undated references are possible when:

- ▶ Reference is informative
- ▶ Reference is normative but related to hEN clause that does not provide any legal effect (presumption of conformity)
- ▶ **Exceptionally**, undated normative references to give presumption of conformity are possible if TCs provide very detailed justification
 - ▶ **Not recommended**



Dated References



▲ **Default solution**

- ▶ Requirements for completion of table ZA.2
 - ▶ shall include **all NRs in clause 2** (included dated ones)
 - ▶ Normative references shall appear in the **same order as in clause 2**
 - ▶ When supporting multiple directives a **single table ZA.2** shall be included in the Annex ZA!
 - ▶ If more than one Annex Z, e.g. **Annex ZB** → should **refer to the table ZA.2 in the Annex ZA**

Guidance on the use of templates

Use cases:

1. The Normative Reference is dated in Clause 2

1.1 Use case 1 - the EN ISO equivalent has the same publication date

Example of Clause 2 reference:

ISO 6185-3:2024, Inflatable boats - Part 3: Boats with a length of the hull less than 8 m with a motor power rating of 15 kW and greater

Example on how to include in the table ZA.2:

Column 1	Column 2	Column 3	Column 4
Reference in Clause 2	International Standard Edition	Title	Corresponding European Standard Edition
ISO 6185-3:2024	ISO 6185-3:2024	Inflatable boats - Part 3: Boats with a length of the hull less than 8 m with a motor power rating of 15 kW and greater	EN ISO 6185-3:2024

Guidance on the use of templates



1. The Normative Reference is dated in Clause 2

1.2 Use case 2 - the EN ISO equivalent has a different publication date

Example of Clause 2 reference:

- ▶ ISO 9093:2020, Small craft - Seacocks and through-hull fittings

Example on how to include in the table ZA.2:

Column 1	Column 2	Column 3	Column 4
Reference in Clause 2	International Standard Edition	Title	Corresponding European Standard Edition
ISO 9093:2020	ISO 9093:2020	Small craft - Seacocks and through-hull fittings	EN ISO 9093:2021

1. The Normative Reference is dated in Clause 2

1.3 Use case 3 – the dated NR is withdrawn

- ▶ The normative reference in Clause 2 has been updated to a new edition.
- ▶ The normative reference in Clause 2 has been withdrawn and replaced by a new standard.
- ▶ Multiple normative references in Clause 2, previously part of a series, have been withdrawn and consolidated into a (single) new standard.

Important NOTICE : If a normative reference is already dated in clause 2, and is withdrawn, Column 4 must be used to correct it. Technical Bodies are invited to carefully check and assess any impact of the modification of normative references in EN ISO deliverables on the clauses supporting the presumption of conformity.

Example of Clause 2 reference:

- ▶ ISO 10088:2013, Small craft - Permanently installed fuel systems
- ▶ ISO 10133:2012, Small craft - Electrical systems - Extra-low-voltage d.c. installations (ISO 10133:2012)
- ▶ ISO 2505-1:1994, Thermoplastics pipes - Longitudinal reversion – Part 1: Determination methods
- ▶ ISO 2505-2:1994, Thermoplastics pipes - Longitudinal reversion – Part 2: Determination parameters

Guidance on the use of templates

1. The Normative Reference is dated in Clause 2

1.3 Use case 3 – the dated NR is withdrawn

Example on how to include in the table ZA.2:

- ▶ ISO 10088:2013, Small craft - Permanently installed fuel systems
- ▶ ISO 10133:2012, Small craft - Electrical systems - Extra-low-voltage d.c. installations (ISO 10133:2012)
- The normative reference in Clause 2 has been updated to a new edition.

Column 1 Reference in Clause 2	Column 2 International Standard Edition	Column 3 Title	Column 4 Corresponding European Standard Edition
ISO 10088:2013	ISO 10088:2013	Small craft - Permanently installed fuel systems	EN ISO 10088:2023

- The normative reference in Clause 2 has been withdrawn and replaced by a new standard.

Column 1 Reference in Clause 2	Column 2 International Standard Edition	Column 3 Title	Column 4 Corresponding European Standard Edition
ISO 10133:2012	ISO 10133:2012	Small craft - Electrical systems - Extra-low-voltage d.c. installations (ISO 10133:2012)	EN ISO 13297:2021

Guidance on the use of templates

1. The Normative Reference is dated in Clause 2

1.3 Use case 3 – the dated NR is withdrawn

Example on how to include in the table ZA.2:

- ▶ ISO 2505-1:1994, Thermoplastics pipes - Longitudinal reversion – Part 1: Determination methods
- ▶ ISO 2505-2:1994, Thermoplastics pipes - Longitudinal reversion – Part 2: Determination parameters
- Multiple normative references in Clause 2, previously part of a series, have been withdrawn and consolidated into a (single) new standard

Column 1 Reference in Clause 2	Column 2 International Standard Edition	Column 3 Title	Column 4 Corresponding European Standard Edition
ISO 2505-1:1994	ISO 2505-1:1994	Thermoplastics pipes - Longitudinal reversion – Part 1: Determination methods	EN ISO 2505:2023
ISO 2505-2:1994	ISO 2505-2:1994	Thermoplastics pipes - Longitudinal reversion – Part 2: Determination parameters	EN ISO 2505:2023

Guidance on the use of templates



2. The Normative Reference is NOT dated in Clause 2

2.1 Use case 3 - the EN ISO equivalent has the same publication date

Example of Clause 2 reference:

- ▶ ISO 14175, *Welding consumables - Gases and gas mixtures for fusion welding and allied processes*

Example on how to include in the table ZA.2:

Column 1 Reference in Clause 2	Column 2 International Standard Edition	Column 3 Title	Column 4 Corresponding European Standard Edition
ISO 14175	ISO 14175:2008	Welding consumables - Gases and gas mixtures for fusion welding and allied processes	EN ISO 14175:2008

Guidance on the use of templates

2. The Normative Reference is NOT dated in Clause 2

2.1 Use case 4 - the EN ISO equivalent has a different publication date

Example of Clause 2 reference:

- ▶ ISO 22826, Destructive tests on welds in metallic materials - Hardness testing of narrow joints welded by laser and electron beam (Vickers and Knoop hardness tests)

Example on how to include in the table ZA.2:

Column 1 Reference in Clause 2	Column 2 International Standard Edition	Column 3 Title	Column 4 Corresponding European Standard Edition
ISO 22826	ISO 22826:2005	Destructive tests on welds in metallic materials - Hardness testing of narrow joints welded by laser and electron beam (Vickers and Knoop hardness tests)	EN ISO 22826:2021

Guidance on the use of templates



2. The Normative Reference is NOT dated in Clause 2

2.1 Use case 5 – there is no EN ISO equivalent

Example of Clause 2 reference:

- ▶ ISO 5642, *Non-Destructive tests on welds in funky materials*

Example on how to include in the table ZA.2:

Column 1 Reference in Clause 2	Column 2 International Standard Edition	Column 3 Title	Column 4 Corresponding European Standard Edition
ISO 5642	ISO 5642:2018	Non-Destructive tests on welds in funky materials	None For applicable standard edition see Column 2

Guidance on the use of templates

3. The Normative Reference is not yet published

3.1 Use case 6 – there is not yet published and or undated

Example of Clause 2 reference:

- ▶ FDIS 14946, *Small craft - Maximum load capacity*
- ▶ FDIS 14946:2022, *Small craft - Maximum load capacity*

Example on how to include:

Reference to drafts can lead to non-citation

Column 1 Reference in Clause 2	Interpretation	Column 3 Title	Column 4 Corresponding European Standard Edition
FDIS 14946	Not yet available	Small craft - Maximum load capacity	Not yet available
FDIS 14946:2022	Not yet available	Small craft - Maximum load capacity	Not yet available

4. Others

4.1 Use case 7 - ISO and CEN amendment

Example of Clause 2 reference:

- ▶ ISO 14729:2001 + Amd. 1:2010, *Ophthalmic optics - Contact lens care products - Microbiological requirements and test methods for products and regimens for hygienic management of contact lenses*

Example on how to include in the table ZA.2:

Column 1 Reference in Clause 2	Column 2 International Standard Edition	Column 3 Title	Column 4 Corresponding European Standard Edition
ISO 14729	ISO 14729:2001 ISO 14729:2001/A1:2010	Ophthalmic optics - Contact lens care products - Microbiological requirements and test methods for products and regimens for hygienic management of contact lenses	EN ISO 14729:2001 EN ISO 14729:2001/A1:2010

Guidance on the use of templates



4. Others

4.2 Use case 8 - CEN only amendment (e.g. A11)

Example of Clause 2 reference:

- ▶ ISO 8666:2020, Small craft - Principal data

Example on how to include in the table ZA.2:

Column 1 Reference in Clause 2	Column 2 International Standard Edition	Column 3 Title	Column 4 Corresponding European Standard Edition
ISO 8666	ISO 8666:2020	Small craft - Principal data	EN ISO 8666:2020 EN ISO 8666:2020/A11:2021

Guidance on the use of templates

4. Others

4.3 Use case 9 – Normative references from a third-party organization

Example of Clause 2 reference:

- ▶ ASTM E112, Standard Test Methods for

Example on how to insert

	Standard Edition	Column 3 Title	Column 4 Corresponding European Standard Edition
ASTM E112	None	Standard Test Methods for Determining Average Grain Size	None

Strongly discouraged by CEN in clauses for presumption of conformity

4. Others

4.4 Use case 10 – Normative reference is a multiple part

Example of Clause 2 reference:

- ▶ ISO 15614 (all parts) procedure test

Refer to specific parts of the standard

Materials – Welding

Example on how to include

Strongly can lead to

by CEN

Column 1 Reference in Clause	Column 3 Title	Column 4 Corresponding European Standard Edition
ISO 15614	Specification and qualification of welding procedures for metallic materials – Welding procedure test	EN ISO 15614-1:2017 EN ISO15614-2 :2005 ...

- ▶ Normative references in hEN: extra requirements (vs IR3)
 - ▶ Active, published, dated
- ▶ Table ZA.2: gives possibility to date undated NRs that are in ISO text
- ▶ Table ZA.2 possibilities extended: possibility to correct withdrawn NR in EN ISO



- ▶ TC/WG shall assess any impact of the modification of normative references in EN ISO deliverables on the clauses supporting the presumption of conformity

- ▶ Webinar '[New process for harmonized standards under parallel development](#)'
- ▶ Webinar: '[The Annex Z: drafting guidance and best practices](#)'
- ▶ CEN webinar '[Drafting harmonized standards - IR3 rules, requirements and normative references](#)'

Your feedback



Question time

▶ Use the Q&A panel to submit your questions

Question and Answer

You 04:36 PM
When is the next session?

Type your question here...

Send anonymously

Send



Thank you for your participation!

Next webinars

2025-01-16 - [Webinar 'Introduction to CEN-CLC/JTC 23 - Horizontal Topics for PPE'](#)

2025-01-23 - [Webinar for CEN-CENELEC/JTCs Officers - New process for the approval of NWIs](#)

If the normative reference is included in clauses of the standard that are linked with Essential Safety Requirements (ESR) of the EU legislation, the following applies:

- ▶ [Normative references in harmonized standards – Guidance](#)
 - ▶ **Normative references can be either harmonized standards or non-harmonized standards.**
 - ▶ When possible, the hEN should refer to a specific clause of the normative reference instead of referring to the whole document.
 - ▶ **Normative references should be dated in Clause 2 and in the whole text of the standard.**
 - ▶ **During the development of hEN, normative references can be draft standards (prENs or FprENs) under the following condition:**
 - ▶ The normative references and hENs are being developed exactly at the same time and stage (as a package) and they are submitted together to CCMC for ENQ or FV stages