



European Committee for Standardization

# Webinar 'Dating of Normative references in EN ISOs harmonized standards'

21 February 2022



# Your webinar moderator

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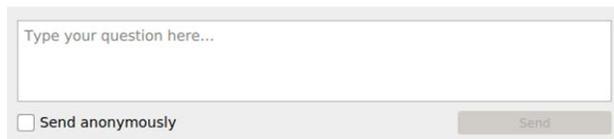


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# Get the most out of the webinar today



- ▶ You are muted
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# Content

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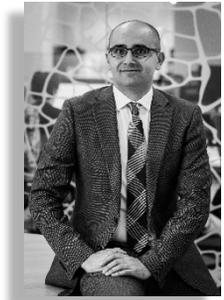


- I. Background of the discussion and proposal
- II. BT decision - BT 027/2021
- III. New templates
- IV. Guidance on the use templates
- V. General guidance on normative references in hENs

# Your speakers today



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# Background of the discussion and proposal

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- ▶ Lack of compliance assessments
- ▶ EC rejection of standards offered for citation
- ▶ Issues to get normative references dated in ISO
- ▶ Sectoral requests to identify solutions (RCD, PED, etc.)
- ▶ Ad-hoc approaches (e.g. Medical Devices)
- ▶ Discussion at CEN BT and with ISO CS
- ▶ Work from the TG on normative references for projects under the Vienna Agreement
- ▶ Outcome in a final BT decision

BT/TCMG, on behalf of BT,  
noting

- decisions BT 39/2015 and D151/039 on Annex ZA/ZZ and the need for sectoral follow up;
- the need to offer the various sectors and TCs a possibility to have a tool to adjust the dating of ISO standards when not properly dated in clause 2;
- the consensus reached within the CEN BT ad hoc group on the methodology to be followed;
- the indicative support by DG GROW favourable to a mechanism similar to the one applied in CENELEC (for IEC documents).

confirms that **dating normative references in clause 2** of the ISO standard **remains the preferred option**

decides to

- approve the **generic approach for a dedicated template for Annex ZA** which shall be used in harmonized EN ISO standards containing undated normative references (Annex 1 to BT N 12774);
- implement this **new approach as 2022-03-01** for all documents and ask CCMC to organize dedicated trainings before that date;
- make this new template (Annex 1 to BT N 12774) as well as the specific template illustrating how to proceed in case of harmonized standard supporting multiple Directives and the guidance document (respectively Annex 2 and 3 to BT N 12774) available on CEN BOSS;

invites CCMC to

- **maintain the guidance document** (Annex 3 to BT N 12774) in order to address the questions raised by the standard developers;
- continue to bring to CEN-CLC/BTWG 12 a brainstorming on the possible convergence of both CEN and CENELEC approach on how to deal with Normative references.

# New 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
  - Problems with non-citation – normative references
  
- ▶ Can the template be used outside of the Vienna Agreement?
  - No, only in the framework of EN ISOs

## Annex ZA (informative)

### Relationship between this European Standard and the [essential]/[interoperability]/[...] requirements of [Directive]/[Regulation]/[Decision]/[...] [OJEU reference] aimed to be covered

This European Standard has been prepared under a Commission's standardization request [Full reference to the request "M/xxx"/"C(2015) xxxx final"] to provide one voluntary means of conforming to [essential] / [interoperability] / [...] requirements of [Directive] / [Regulation] / [Decision] / [...] [Full title] [OJEU reference].

Once this standard is cited in the Official Journal of the European Union under that [Directive] / [Regulation] / [Decision] / [...], compliance with the normative clauses of this standard given in Table [...] **and application of the edition of the normatively referenced standards as given in Table [...]**

confers, within the limits of the scope of this standard, a presumption of conformity with the corresponding [essential] / [interoperability] / [...] requirements of that [Directive] / [Regulation] / [Decision] / [...], and associated EFTA regulations.

**Table ZA.1 — Correspondence between this European Standard and  
[Annex ... of] / [Article(s) ... of] [Directive] / [Regulation] / [Decision] / [...] [OJEU reference]]**

<b>[Essential]/ [interoperability]/[...] Requirements of [Directive]/[Regulation]/[Decision] [ ...]</b>	<b>Clause(s)/sub-clause(s) of this EN</b>	<b>Remarks/Notes</b>

**Table ZA.2 — Applicable Standards to confer presumption of conformity as described in this Annex ZA**

<b>Column 1 Reference in Clause 2</b>	<b>Column 2 International Standard Edition</b>	<b>Column 3 Title</b>	<b>Column 4 Corresponding European Standard Edition</b>

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].

**WARNING 1** — Presumption of conformity stays valid only as long as a reference to this European Standard is maintained in the list published in the Official Journal of the European Union. Users of this standard should consult frequently the latest list published in the Official Journal of the European Union.

**WARNING 2** — Other Union legislation may be applicable to the product(s) / [service(s)] / [...] falling within the scope of this standard.

# New templates – multi legislation



## Annex ZB (informative)

### Relationship between this European Standard and the [essential]/[interoperability]/[...] requirements of [Directive]/[Regulation]/[Decision]/[...] [OJEU reference] aimed to be covered

This European Standard has been prepared under a Commission's standardization request [Full reference to the request "M/xxx"/"C(2015) xxxxx final"] to provide one voluntary means of conforming to [essential] / [interoperability] / [...] requirements of [Directive] / [Regulation] / [Decision] / [...] [Full title] [OJEU reference].

Once this standard is cited in the Official Journal of the European Union under that [Directive] / [Regulation] / [Decision] / [...], compliance with the normative clauses of this standard given in Table [...] **and application of the edition of the normatively referenced standards as given in Table [ZA.2]**

confers, within the limits of the scope of this standard, a presumption of conformity with the corresponding [essential] / [interoperability] / [...] requirements of that [Directive] / [Regulation] / [Decision] / [...], and associated EFTA regulations.

**Table ZB.1 — Correspondence between this European Standard and  
[Annex ... of] / [Article(s) ... of] [Directive] / [Regulation] / [Decision] / [...] [OJEU reference]**

<b>[Essential]/ [interoperability]/[...] Requirements of [Directive]/[Regulation]/[Decision] [ ...]</b>	<b>Clause(s)/sub-clause(s) of this EN</b>	<b>Remarks/Notes</b>

# New templates – multi legislation



**WARNING 1** — Presumption of conformity stays valid only as long as a reference to this European Standard is maintained in the list published in the Official Journal of the European Union. Users of this standard should consult frequently the latest list published in the Official Journal of the European Union.

**WARNING 2** — Other Union legislation may be applicable to the product(s) / [service(s)] / [...] falling within the scope of this standard.

**The documents listed in the Column 1 of table [ZA.2], in whole or in part, are normatively referenced in this document and 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].**

# Guidance on the use of templates

- ▶ Template introduces a new table ZA.2
- ▶ Shows the correspondence between International Standards and the European version

**Table ZA.2 — Applicable Standards to confer presumption of conformity as described in this Annex ZA**

<b>Column 1 Reference in Clause 2</b>	<b>Column 2 International Standard Edition</b>	<b>Column 3 Title</b>	<b>Column 4 Corresponding European Standard Edition</b>

- ▶ Can be used to date normative references which were left undated in the ISO text
- ▶ CEN Committee is responsible for filling in the Annex ZA

- ▶ Requirements for completion of table ZA.2
  - ▶ shall include **all clauses in clause 2** (included dated ones)
  - ▶ Normative references shall appear in the **same order as in clause 2**
  - ▶ **Same date** shall appear in **clause 2** and in **Table ZA.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 9606-2:2004, Qualification test of Welders – Fusion welding – Part 2: Aluminium and aluminium alloys*

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

<b>Column 1 Reference in Clause 2</b>	<b>Column 2 International Standard Edition</b>	<b>Column 3 Title</b>	<b>Column 4 Corresponding European Standard Edition</b>
ISO 9606-2:2004	ISO 9606-2:2004	Qualification test of Welders – Fusion welding – Part 2: Aluminium and aluminium alloys	EN ISO 9606-2:2004

# 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 8666:2016, *Small craft - Principal data*

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

<b>Column 1</b>	<b>Column 2</b>	<b>Column 3</b>	<b>Column 4</b>
<b>Reference in Clause 2</b>	<b>International Standard Edition</b>	<b>Title</b>	<b>Corresponding European Standard Edition</b>
ISO 8666:2016	ISO 8666:2016	Small craft - Principal data	EN ISO 8666:2018

# 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:

<b>Column 1 Reference in Clause 2</b>	<b>Column 2 International Standard Edition</b>	<b>Column 3 Title</b>	<b>Column 4 Corresponding European Standard Edition</b>
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 5173, *Destructive tests on welds in metallic materials - Bend tests*

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

<b>Column 1 Reference in Clause 2</b>	<b>Column 2 International Standard Edition</b>	<b>Column 3 Title</b>	<b>Column 4 Corresponding European Standard Edition</b>
ISO 5173	ISO 5173:2009	Destructive tests on welds in metallic materials - Bend tests	EN ISO 5173:2010

# 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:

<b>Column 1 Reference in Clause 2</b>	<b>Column 2 International Standard Edition</b>	<b>Column 3 Title</b>	<b>Column 4 Corresponding European Standard Edition</b>
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	Interim Edition	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

# Guidance on the use of templates



## 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:

<b>Column 1 Reference in Clause 2</b>	<b>Column 2 International Standard Edition</b>	<b>Column 3 Title</b>	<b>Column 4 Corresponding European Standard Edition</b>
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:

<b>Column 1 Reference in Clause 2</b>	<b>Column 2 International Standard Edition</b>	<b>Column 3 Title</b>	<b>Column 4 Corresponding European Standard Edition</b>
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

**Strongly discouraged by CEN in clauses for presumption of conformity**

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

# Guidance on the use of templates



## 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

by CEN  
Strongly can lead to

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 ISO 15614-2:2005 ...

## 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



# Normative references and HAS assessments

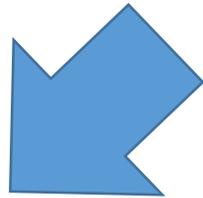
## Overview of Critical findings

### Part A: Summary of assessments

A total of 1093 assessment have been performed on the full assessment template and are considered in this analysis.

AR ref.	Critical findings	Frequency of finding at CD	% at CD	Frequency of finding at ENQ	% at ENQ	Frequency of finding at FV	% at FV	Frequency of finding at PUB	% at PUB	Total Full Assessments
A- 1.2.1.	Terminology	25	2,29%	35	3,20%	15	1,37%	4	0,37%	1093
A- 1.2.2.	Foreword	8	0,73%	32	2,93%	14	1,28%	1	0,09%	1093
A- 1.2.3.	Scope covers products not considered by the relevant legal requirements	9	0,82%	20	1,83%	16	1,46%	3	0,27%	1093
A- 1.2.4.	The Scope sets requirements or covers aspects which cannot be subject to harmonised standards	8	0,73%	17	1,56%	4	0,37%	9	0,82%	1093
A- 1.2.5.	Scope excludes products or aspects that are expected to be covered by the standard	18	1,65%	33	3,02%	11	1,01%	5	0,46%	1093
A- 1.2.6.	Normative references that are essential for the assessment of harmonised elements are not available	45	4,12%	97	8,87%	14	1,28%	1	0,09%	1093
A- 1.2.7.	Document contains undated normative references without proper justification	62	5,67%	96	8,78%	63	5,76%	36	3,29%	1093
A- 1.2.8.	Too long chains of normative references	2	0,18%	17	1,56%	4	0,37%	0	0,00%	1093
A- 1.2.9.	Normative references need updating or reconsideration	47	4,30%	86	7,87%	46	4,21%	13	1,19%	1093
A- 1.2.10.	Technical content of the document contains requirements that do not align with or contradict relevant EU legislation	50	4,57%	112	10,25%	63	5,76%	12	1,10%	1093
A- 1.2.11.	Technical content of the document unsuitably repeats legal requirements as part of its normative requirements	13	1,19%	23	2,10%	20	1,83%	8	0,73%	1093
A- 1.2.12.	Absence of reproducible tests or assessment methods	48	4,39%	93	8,51%	37	3,39%	12	1,10%	1093
A- 1.2.13.	Neutrality principle is not respected: the document contains clauses imposing requirements or obligations on or between certain economic operators	11	1,01%	36	3,29%	15	1,37%	5	0,46%	1093
A- 1.2.14.	Neutrality principle is not respected in requirements for verifications, sampling and testing	10	0,91%	15	1,37%	3	0,27%	1	0,09%	1093
A- 1.2.15.	Risk assessment or identification of relevant risks is missing or not complete	25	2,29%	26	2,38%	17	1,56%	19	1,74%	1093
A- 1.2.16.	The Annex Z is not sufficiently detailed	56	5,12%	156	14,27%	68	6,22%	27	2,47%	1093
A- 1.2.17.	The Annex Z does not properly refer to the relevant legal requirements	67	6,13%	174	15,92%	96	8,78%	26	2,38%	1093
A- 1.2.18.	The document is not aligned with the guidance documents or checklist	26	2,38%	43	3,93%	24	2,20%	8	0,73%	1093
A- 1.2.19.	Other comments	72	6,59%	182	16,65%	110	10,06%	30	2,74%	1093

Is the normative reference included in clauses of hEN giving presumption of conformity?



**YES** → EC requirements and IR-3 apply



**NO** → IR-3 apply

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.

## 1. Normative references **should be dated** in Clause 2 and **in body of standard**

### ► **Example** of HAS consultant comment:

MB/NC <sup>1</sup>	Line number (e.g. 17)	Clause/ Subclause (e.g. 3.1)	Paragraph/ Figure/ Table/ (e.g. Table 1)	Type of comment <sup>2</sup>	Comments	Proposed change	Observations of the secretariat
AB-1		All		Ge	<p>The standard has a good quality. The Annex ZA is correct.</p> <p>Unfortunately, the normative references are dated only in clause 2, while in the normative text undated references are used.</p> <p>This is not accepted by the EC, which requires dated normative references not only in clause 2 but also in the main text</p>	<p>Please, updated the normative text, using exclusively dated normative references.</p>	

## 2. Normative references **should be:**

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



- ▶ **Vademecum Part 3** (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



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

## 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. Special attention when drafting amendment of published hENs

- ▶ TCs to review if normative references are dated and active in published hEN → **if not, date normative references in amendment**

### *Normative references*

Replace Clause 2 with the following:

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.

ISO 3767-5:2016, *Tractors, machinery for agriculture and forestry, powered lawn and garden equipment — Symbols for operator controls and other displays — Part 5: Symbols for manual portable forestry machines*

ISO 3864-1:2011, *Graphical symbols — Safety colours and safety signs — Part 1: Design principles for safety signs and safety markings*

ISO 5681:2020, *Equipment for crop protection — Vocabulary*

ISO 9357:1990, *Equipment for crop protection — Agricultural sprayers — Tank nominal volume and filling hole diameter*

ISO 11684:1995, *Tractors, machinery for agriculture and forestry, powered lawn and garden equipment — Safety signs and hazard pictorials — General principles*

ISO 12100:2010, *Safety of machinery — General principles for design — Risk assessment and risk reduction*

ISO 13857:2019, *Safety of machinery — Safety distances to prevent hazard zones being reached by upper and lower limbs*

ISO 14982:1998, *Agricultural and forestry machinery — Electromagnetic compatibility — Test methods and acceptance criteria*

ISO 19732:2007, *Equipment for crop protection — Sprayer filters — Colour coding for identification*

ISO 19932-1:2013, *Equipment for crop protection — Knapsack sprayers — Part 1: Safety and environmental requirements*

ISO 19932-2:2013, *Equipment for crop protection — Knapsack sprayers — Part 2: Test methods*

ISO 22867:2011, *Forestry and gardening machinery — Vibration test code for portable hand-held machines with internal combustion engine — Vibration at the handles*

ISO 22868:2021, *Forestry and gardening machinery — Noise test code for portable hand-held machines with internal combustion engine — Engineering method (Grade 2 accuracy)*

IEC 61032:1997, *Protection of persons and equipment by enclosures — Probes for verification*

## 4. Special attention when **drafting amendment of published hENs**

### Example 1:

#### 3 Modifications to 2, "Normative references"

Replace "EN 614-1, *Safety of machinery — Ergonomic principles for design — Part 1: Terminology and general principles*"

by

"EN 614-1:2006+A1:2009, *Safety of machinery — Ergonomic principles for design — Part 1: Terminology and general principles*".



### Example 2:

#### 3 Modification to Clause 2, Normative references

Replace "

EN ISO 13857:2008, *Safety of machinery — Safety distances to prevent hazard zones being reached by upper and lower limbs (ISO 13857:2008)*

" with "

EN ISO 13857:2019, *Safety of machinery — Safety distances to prevent hazard zones being reached by upper and lower limbs (ISO 13857:2019)*

".



## 5. In Clause 2 of hEN do not refer to “all parts” (series of standards)

### Example:

EN 795:2012, *Personal fall protection equipment — Anchor devices*

EN 818 (series), *Short link chain for lifting purposes — Safety*

EN 842:1996+A1:2008, *Safety of machinery — Visual danger signals - General requirements, design and testing*

EN 1005-2:2003+A1:2008, *Safety of machinery — Human physical performance — Part 2: Manual handling of machinery and component parts of machinery*

EN ISO 14118:2018, *Safety of machinery — Prevention of unexpected start-up (ISO 14118:2017)*

EN 1492 (series), *Textile slings — Safety*

EN 1837:1999+A1:2009, *Safety of machinery - Integral lighting of machines*

EN 12195-1:2010, *Load restraining on road vehicles — Safety — Part 1: Calculation of securing forces*

EN 12195-1:2010/AC:2014, *Load restraining on road vehicles — Safety — Part 1: Calculation of securing forces*

prEN 13155:2017, *Crane — Safety — Non-fixed load lifting attachments*

EN 13414 (series), *Steel wire rope slings — Safety*

EN 13557:2003+A2:2008, *Cranes - Controls and control stations*



### HAS consultant comment:

2	EN 818 series	Ge	<u>Also</u> for standards published as series the normative reference shall be dated.	Please use exclusively dated references
2	EN 1492 series	Ge	See above	Please use exclusively dated references
2	EN 13414 series	Ge	See above	Please use exclusively dated references
2	EN 61496 series	Ge	See above	Please use exclusively dated references
2	EN 13856 series	Ge	See above	Please use exclusively dated references

## 6. 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**

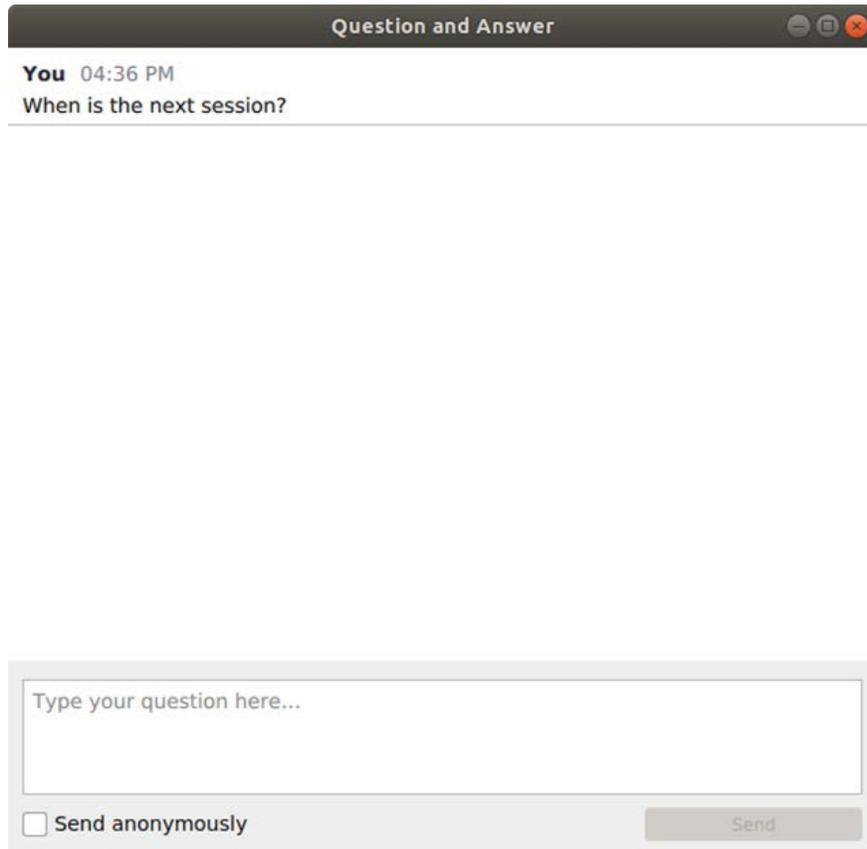


▲ **Default solution**

# Question time



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

A screenshot of a web-based Q&A panel. At the top, a dark header bar contains the text "Question and Answer" and window control icons. Below this, a message from "You" at "04:36 PM" asks "When is the next session?". A horizontal line separates this message from the input area. The input area consists of a large text box with the placeholder text "Type your question here...". Below the text box is a checkbox labeled "Send anonymously" and a "Send" button.



European Committee for Standardization

*Thank you for your participation!*

#### Next webinars

2022-02-28 - [Workshop 'Standardisation synergies between civil security, defence and space industries'](#)

2022-03-02 - [Stakeholder Workshop on the EC-ESOs Task Force 'Timely European standards for a Green and Digital, Single & Global Market'](#)

2022-03-08 – [Online celebration for the renewed collaboration between the JRC and CEN-CENELEC](#)

2022-03-10 – [Webinar 'How do standards benefit consumers?'](#)

2022-03-15 - [Cybersecurity Standardisation Conference 2022](#) (cooperation between ENISA, ETSI, CEN & CENELEC)

2022-04-21 – [Workshop 'Interoperability of security'](#)