

European Standardization Organizations

Welcome to this webinar

Harmonized European standards: Drafting standards compliant with EU legislation



Your webinar moderator





EIS SOMERS

Project Manager Engagement Governance & Partnerships esomers@cencenelec.eu



European Standardization Organizations

Introduction

Cinzia Missiroli, Director Standardization & Digital Solutions



CONTENT



- New Approach, New Legislative Framework & Standardization requests
- 2) HAS assessment system update
- 3) Coffee break
- 4) Elaboration of harmonized standards
- 5) Drafting hENs in the international context: VA and FA
- 6) Citation of hENs in OJEU
- 7) Q&A



European Standardization Organizations

New Approach, New Legislative Framework & Standardization Requests

Catherine Vigneron, Account Manager Energy & Living



Content



EU product harmonization legislation

- New Approach
- ▶ New Legislative Framework

Standardization Requests

- ► Initiation
- Process
- Specificities
- ▶ Look and feel





Old Approach

- ► National legislation
- ▶ Product technical requirements in legislation

New Approach (NA)

► Council Resolution of 7 May 1985 on a New Approach to technical

harmonization and standards

► Large family of products





New Approach directives/regulations

- ▶ 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/regulations requirements



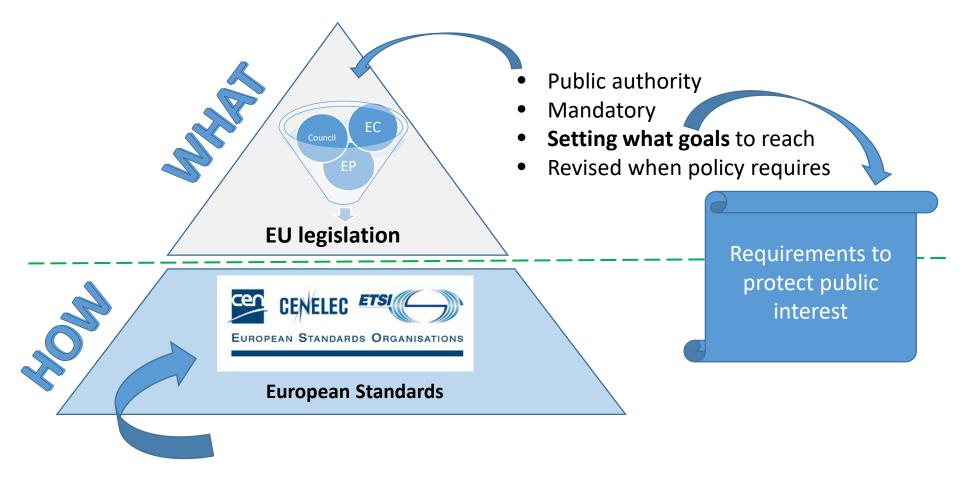
New Legal Framework (NLF)

- ► Entered into force 1 January 2010
- ► Increase consistency (harmonization) across all NA Directives
- Complements New Approach

→ Decision N° 768/2008/EC on establishing a common framework for the marketing of products



New Approach/NLF principle





European law regulates important industrial sectors:

- ► Machinery, Lifts
- Construction
- ► Low voltage equipment
- ► Pressure equipment
- Packaging and packaging waste
- Medical devices
- ► Railways

Standards in support of harmonization legislation



Specificities

- ► Assessment of compliance with legal requirements details later
- ► Annex ZA/ZZ obligatory for candidate harmonized standards (hENs) details later
- ► Only when cited in the Official Journal of the European Union → European Standards give presumption of conformity to the Essential Requirements covered by the hENs
- ► Application of hEN remains voluntary → other means to show conformity are allowed



Standardization Requests

Standardization Requests



At European Commission request

Standardization Request = Commission Implementing Decision

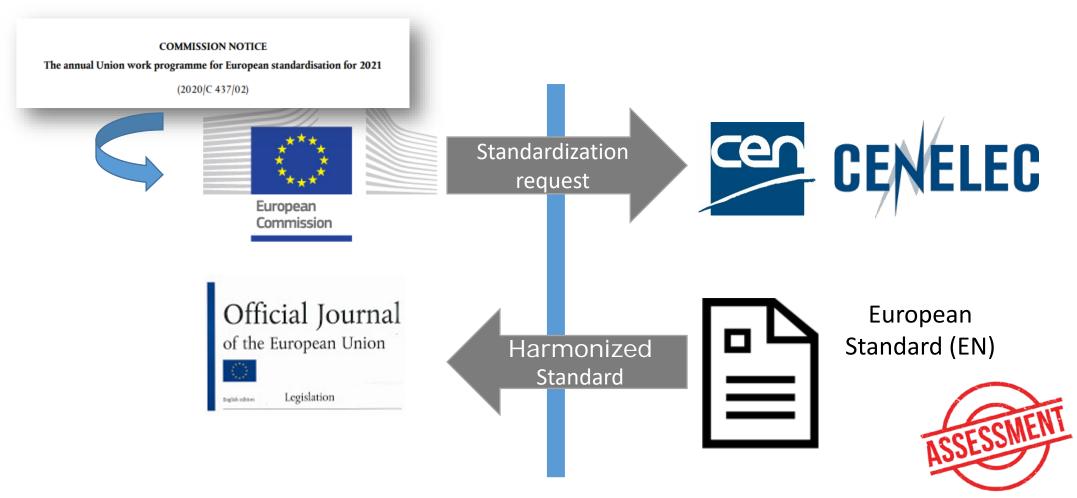


Regulation 1025/2012

CEN and CENELEC develop Harmonized Standards in support of EU legislation and/or policies

Standardization Requests - Process





Standardization Request a **precondition** for citation of harmonized standards in OJEU

Standardization Requests - Initiation



Regulation 1025/2012 (art 8) - Annual Union Work Programme

- ► Identify strategic priorities for European standardisation
- ► First reference to upcoming standardization requests

EUROPEAN COMMISSION

COMMISSION NOTICE

The annual Union work programme for European standardisation for 2021

(2020/C 437/02)

Standardization Requests - Specificities ELEC



Development process described in EC Vademecum on European standardization (Part II)

- ► Consultation stakeholders (e.g. CEN and CENELEC) and Members States
- ► CEN and CENELEC establish **Standardization Request Ad Hoc Groups**
- → Group established for any new draft SReq that ensures coordination and input from all relevant stakeholders (incl. TCs) during the drafting and approval of Standardization Requests -> group advises the Technical Boards
- → This consultation is a key step



Standardization Requests - Specificities ELEC



- ► Voted by Members States (Committee on Standards)
- Submitted to CEN and/or CENELEC for acceptance/rejection (1 month art. 10)
- ► Have an **expiry** date
- ▶ If work item is not in the Standardization Request (Annex) → no OJEU citation
- ▶ Standardization Request can be revised → full approval process
- ► All Standardization Requests are available → database

Standardization Requests – Look & feel 👺 CENTELEC



Article 1

Requested standardisation activities

- 1. The European Committee for Standardization (CEN) and the European Committee for Electrotechnical Standardization (Cenelec) are requested to revise the existing harmonised standards listed in Table 1 of Annex I to this Decision and to draft the new harmonised standards listed in Table 2 of that Annex in support of Regulation (EU) 2017/745 for medical devices by the deadlines set in that Annex.
- 2. CEN and Cenelec are requested to revise the existing standards listed in Table 1 of Annex II to this Decision and to draft the new harmonised standards listed in Table 2 of that Annex in support of Regulation (EU) 2017/746 for in vitro diagnostic medical devices by the deadlines set in that Annex.

ANNEX I

List of existing standards to be revised and list of new standards to be drafted as referred to in Article 1(1)

List of existing harmonised standards to be revised and deadlines for the adoption of the revised harmonised standards

	Reference information	Deadline for the adoption		
1.	EN 285:2015	27 May 2024		
	Sterilization - Steam sterilizers - Large sterilizers			
2.	EN 455-1:2020	27 May 2024		
	Medical gloves for single use - Part 1: Requirements and testing for freedom from holes			



European Standardization Organizations

Thank you!

Catherine Vigneron, Account Manager Energy & Living cvigneron@cencenelec.eu





European Standardization Organizations

Update on HAS assessment system

Nuno Pargana, Account Manager Manufacturing



HAS Contractor



HAS CONTRACTOR = Ernst & Young (EY)

▶ 1 April 2018 until 31 March 2022

Formal contact point towards EC and European Standardization Organizations (ESO's):

- ► Administrative & logistical tasks
- Horizontal verifications and checks of non-technical nature
- ► Evaluation of the assessment results and the effectiveness of the assessment concept

HAS contractor manages the pool of harmonized standards consultants 'HAS Consultants'

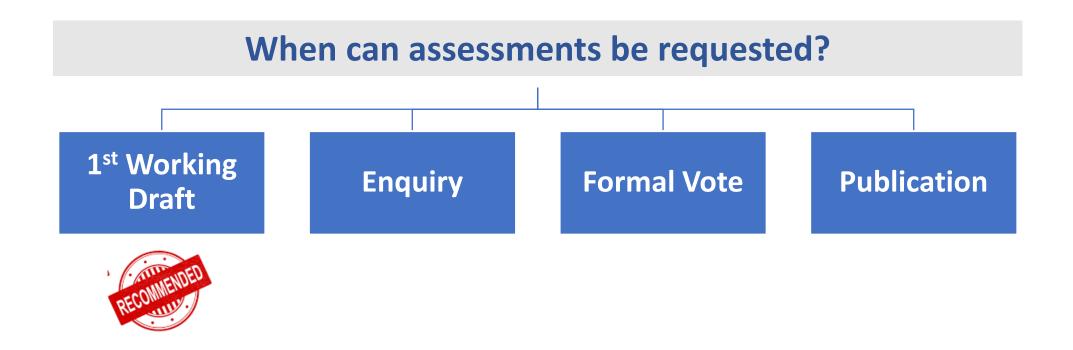
HAS Consultant



Independent expert hired by EY to perform:

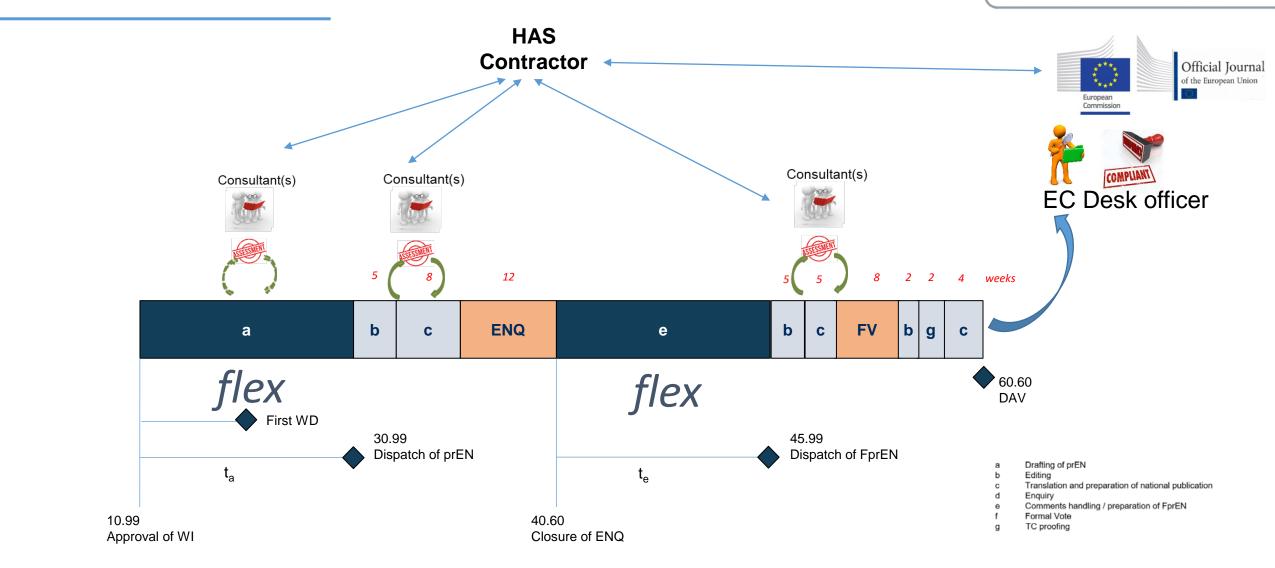
- ► <u>'Compliance assessment'</u> of the documents drafted by the ESO's
- ► <u>'Communication'</u> to the technical bodies of the ESO's to give advice to contribute to compliance of the drafted documents with the EC's standardization requests → MEETINGS





- **▶** Duration:
 - ▶ normally 5 weeks after notification to HAS CONTRACTOR (EY)







▶ Outcome

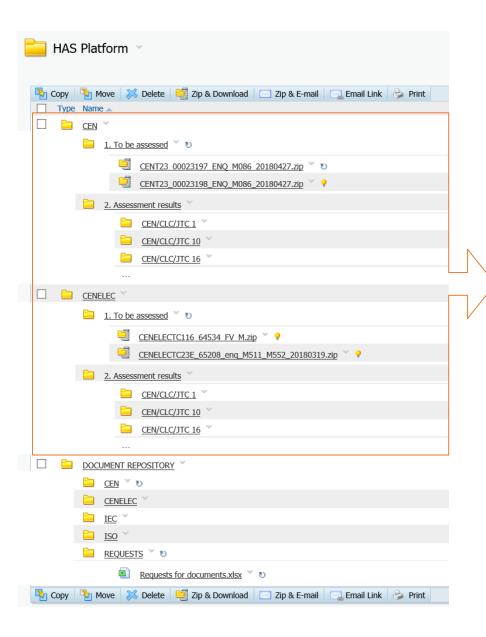
'Compliant'	The publication of the references in the OJ is normally			
	possible without any specific notice			
'Partial compliance'	The publication of the references in the OJ could be			
	possible with a notice; such a notice shall be outlined in			
	the report for already adopted standards and for			
	documents assessed before formal vote			
'Lack of compliance'	The publication in the OJ is likely not possible before the			
	document is revised			



► HAS assessment reports: CEN and CENELEC BOSS pages

HAS platform

- ► WHERE TO FIND
 - ► LIVELINK 'HAS PLATFORM'





Download documents to be assessed and upload assessment results

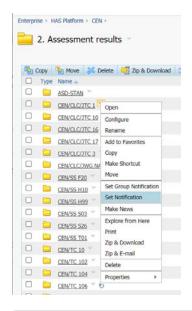
HAS platform - Notifications

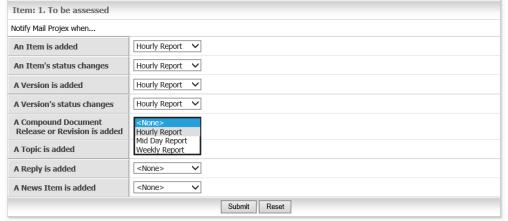
Set personal notifications via Livelink:

► Click on - of the folder you are interested to receive notifications for and choose 'Set Notification'

- ➤ Select the recurrence of the notification: 'Hourly', 'Mid-day' or 'Weekly' and click submit
- ▶ Repeat for each folder you wish to receive notifications





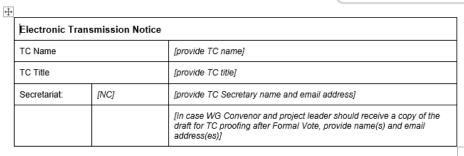




FWD HAS assessment

Assessments: DRAFTING STAGE (indicative)

- ▶ TC secretary submits to CCMC the first working draft (FWD)
 - **▶** Transmission notice
 - CCMC Project Manager submits request to EY
 - First draft Annex Z
 - ► For parallel work: CD-text
- ► Assessment report available on LIVELINK
- ▶ Lack of compliance → possible meeting



All documents submitted to CCMC shall comply with the CEN-CENELEC Internal Regulations Part 3, "Rules for the structure and drafting of CEN-CENELEC Publications"

Reference Number:								
Work Item Num	Work Item Number:							
Title:								
Sending date:								
Deliverable	EN 🔲	HD 🔲	Amdt	TS 🔲	TR	AC 🔲		
Milestone	1st Working Draft Publication	draft for ENQ	draft for FV	2nd ENQ [provide TC decision, number and date]	2nd FV [provide BT decision, number, and date]	TS/TR vote		
	[In case of decision to skip FV following ENQ, provide TC decision, number and date]							
	GENERAL							
The text is sent in the following Reference language version in PDF and revisable Word format (only one Reference language permitted),								
		ENGLISH	FRENCH	GERMAN	Comments			
Provided								
Reference versi	ion							
WORD								
PDF	DF							

TO BE FILLED IN	TO BE FILLED IN IN CASE OF HARMONIZED STANDARD ONLY						
Standardization	Related					New Approach OJEU citation	ired by
request	Directive/policy	OJEO CITATION	HAS	EC	Other		
[SREQ_1]	[DIR_1]				[specify method]		
[SREQ_2]	[DIR_2]				[specify method]		
[SREQ_3]	[DIR_3]				[specify method]		

TO BE FILLED IN IN CASE THIS IS A 1st WORKING DOCUMENT:
document is to be submitted to HAS Consultant for indicative assessment

ENQ HAS assessment



Assessments: ENQUIRY STAGE

- ► Technical Body secretary submits prEN for ENQ (homegrown)
 - Annex Z
 - ► Checklist for hENs
 - ▶ CCMC editor requests assessment at start translation
 - ► Assessment report available on LIVELINK
- ▶ Dealing with the outcome:
 - ▶ Compliant → if all criteria are met: possibility to skip FV
 - Lack of compliance:
 - ► Launch of ENQ is not delayed
 - ► TC meeting with HAS consultant to solve the issues

FV HAS assessment



Assessments: FORMAL VOTE stage

- ► Technical Body secretary submits FprEN for FV (homegrown)
 - Annex Z
 - ► Checklist for hENs

► ENQ HAS assessment report → last column 'observations of the secretariat' completed to indicate how consultant comments have been

addressed

MB/ NC ¹ ¤	Line· number¶ (e.g.·17)¤	Clause/· Subclause¶ (e.g.·3.1)¤	Paragraph/· Figure/· Table/¶ (e.g.·Table·1)¤	Type of comment ²	Commence	Proposed-change¤		Observations of the secretariat ^u
JJ1¤	п	7.2.2¤	п	Te¤	The technical text-in the DIS-made-rightly-reference to Annex-A-of-ISO-7960-for-the-operating-conditions-of-building-site-saws-during-noise-emission-measurement. Unfortunately, in-the-FDIS-this-text-has-been-replaced-by-a-mere-reference-to-clause-7.2.2-of-Part-1.¶ Consequently, a-manufacturer-using-Part-10-is-not-going-to-know-which-operating-conditions-he-has-to-use.¤	Reintegrate in 7 2.2 the DIS text-relating to Annex A \$130.7960 i.e. replace the current text on 2 by \$1\$ "This sub-clause of ISO 19085-12017 applies with the following additions: \$1\$ - Operating conditions shall comply with A.2 b) in Annex A of ISO 7960:1995 \$1\$ - Measurement surface, number of microphone positions and measuring distance in the ISO 1996 with the ISO 1996 \$1\$ and 1996 \$1\$ a	not the interdelete so m happened. It was mis the fact, that in ISO-7960 apply".¶ We will cha 7.2.2 Noise This subcl	ree-with-this-commentIt-was- ntion-during-DIS/CRM-to- uch-of-7.2.2but-it- We-had-no-technical-reason stake, as-you-can-see-also-in- t-Annex-E-(for-machines-not-))-is-marked-as-"does-not- nge-7.2.2-to:¶ emission-measurement¶ ause- of- ISO°19085-1:2017

- ► CCMC editor requests assessment at start translation
- ► Assessment report available on LIVELINK

Resolving a non-compliant assessment prior to FV



<u>Homegrowns</u>

Decision BT C045/2018 and D159/C071, in case of a 'Lack of Compliance' at FV stage:

- ► FV is suspended for maximum 12 weeks after the reception of the assessment
- ▶ Technical Body Secretariat and BT member/PD of the NSB/NC holding the secretariat shall be informed
- ► Technical Body to decide on the way forward within 7 weeks

Resolving a non-compliant assessment prior to FV



TCs to follow the procedure:

- 1) TC prepares the following documents:
 - a) HAS Assessment report with the last column 'Observations of the secretariat' filled to indicate how the TC is addressing the comments from consultant
 - b) Re-worked draft in track changes showing the changes made by TC in comparison with the version of FV draft which received a Lack of Compliance assessment
- 2) TC organises a meeting with HAS consultant -> highly recommended
- 3) Prior to the meeting: TC provides to consultant the documents as listed in 1)
- 4) TC records outcome of meeting and asks Consultant for feedback: <u>consultant's comments were sufficiently addressed in the revised text of hEN</u>?
 - ► Feedback: email or at meeting

Resolving a non-compliant assessment prior to FV



- 5) Following outcome of meeting/interaction with consultant, TC agrees on one of the following actions:
- ► Revision of FprEN to resolve non-compliance assessment:
 - ► TC secretary submits revised draft to CCMC for FV together with supporting documents → HAS assessment resolved
 - ► If FV is positive → hEN is offered to EC for OJEU citation
- ▶ Adaptation of Annex Z (no additional changes to FprEN):
 - ▶ TC secretary submits FprEN with revised Annex Z to CCMC for FV
 - ► If FV is positive → hEN is offered to EC for OJEU citation
 - ► Exceptionally: PUB HAS assessment could be requested in Imited cases
 (final check Annex Z) → If lack of compliance assessment, still possible to revise Annex Z via BT for approval

Resolving a non-compliant assessment prior to FV



5) As outcome of meeting/interaction with consultant, TC agrees on one of the following actions:

▶ Temporary de-harmonization:

- ► TC concludes that harmonization is **temporarily** not possible
- ▶ TC takes a decision to request BT to remove Annex Z and link to legislation
- ▶ If BT approves → adapted standard can proceed to FV
- ► CCMC Project Manager will inform EC about de-harmonization
- ► TC to initiate amendment/revision to resolve non-compliance assessment → to be published as harmonized standard

Resolving a non-compliant assessment prior to FV



5) As outcome of meeting/interaction with consultant, TC agrees on one of the following actions:

▶ Permanent de-harmonization:

- ▶ TC concludes that harmonization is not possible (<u>permanent</u>)
- ► TC takes a decision to request BT to remove Annex Z and link to legislation
- ▶ If BT approves → adapted standard can proceed to FV
- ► CCMC Project Manager will inform EC about de-harmonization

Resolving a non-compliant assessment prior to FV



5) As outcome of meeting/interaction with consultant, TC agrees on one of the following actions:

▶ Abandon the work:

- ► TC concludes that it is not possible to progress draft standard to FV → due to significant comments from HAS consultant
- ▶ TC takes a decision to request BT to discontinue the work and abandon WI
- ► If BT approves → WI is abandoned
- ► TC could initiate amendment/revision to resolve lack of compliance assessment → to be published as harmonized standard

HAS assessment framework



Assessments: Review

On justified disagreement of Technical Body

- ► Technical Body Secretary sends a request for a review of assessment to CCMC Project Manager
- ► CCMC will submit request to HAS Contractor
- ► HAS Contractor has 3 weeks to reply with a reviewed assessment
- ► Technical Body can request to review FV HAS assessment 'Lack of compliance' within 4 weeks of reception of assessment (if justified)

How to request meetings

- ► Technical Bodies to request meetings via EY <u>link</u> for:
 - ► Face-to-face meetings
 - ► Virtual meetings (more than 4 hours)
- ► Technical Bodies to contact directly HAS consultant for webmeetings less than 4 hours

HAS Meeting Requests

Page 1 of 1

NON ANONYMOUS

This survey has been designed to capture user data. This means that when EY has sent you a link to this survey, your responses will be combined with your email address and other demographic information in order for EY to be able to create specific and individualized reports on the survey results. Furthermore, EY will use a limited additional data, such as your IP address and the time you filed your answers. Ernst & Young will be able to view all individual responses. EY will use a limited amount of cookies to store information on your computer, but only to the extent this is essential for the survey to operate. If you decide not to complete this survey or if you are inactive for more than 20 minutes, these cookies will be automatically deleted. To find out more about the cookies we use, see our our cookie notice.

Dear A

This page is aimed at providing a quicker and more efficient way to request meeting attendance from the HAS Consultants. As such, please try to be as specific as possible when answering the questions below and especially those regarding the scope of the meeting. It is also particularly important to fill-in the requestor contact details correctly so that our team is able to contact you as soon as your request has been approved or in case something is unclear.

Furthermore, please note that all requests will preferably be issued at least four weeks before the meeting date and that these must come from either the EC service or the ESOs. As such, requests issued from the HAS consultant will not be accepted.

Finally, please note that such a formal meeting request issued through this platform is always needed each time the presence of a HAS Consultant is required for any face-to-face meeting (regardless of the duration) or for a virtual meeting that extends more than half-day (4 hours). Meeting requests are not needed for written exchanges (requiring clarifications by e-mail directly to the consultant) or for phone calls and short video calls (less than 4 hours). We encourage virtual participation as much as possible to make effective usage of the Consultant's available time.

Thank you for your understanding.

The HAS Support Team

fficer, etc.*
ff

-- Please Select --

Forbidden practices



Following practices go beyond the tasks of HAS Consultants and are **not allowed**:



- To receive (revised) draft standards directly by TCs and assess the modified documents outside the formal assessment process
- 2. To support the TC in drafting elements included in the standards
- 3. To provide suggestions and try to find possible solutions for issues of the draft standards, and more in general participate in consensus-building activities within the TC
- 4. To provide general guidance on the Regulations without prior alignment with the relevant EC services or to address matters not related to clarifying comments of specific work items previously assessed
- 5. To accept requests from Technical Bodies for meetings after performing a "Final verification"

Conclusion



► Request first working draft (FWD) HAS assessment



- ► Exchange with the HAS consultant has much as possible → organise meetings
- ▶ Prepare documentation for meetings
 - 1) HAS assessment report with TC remarks
 - 2) revised standard in track changes
- ▶ Normally, 'Compliant' assessment required for publication → some exceptions are possible under certain conditions



European Standardization Organizations

Thank you!

Nuno Pargana, Account Manager Manufacturing npargana@cencenelec.eu





European Standardization Organizations

Let's have a small break!



European Standardization Organizations

Elaboration of harmonized standards

Thierry Legrand, Account Manager Mobility Nuno Pargana, Account Manager Manufacturing





EC reasons for non-citation



- ▶ Normative references (all sectors)
 - ▶ Undated normative references (without justification)
 - ▶ Outdated normative references
- ► Annex ZA/ZZ (all sectors)
 - ► Incorrect use of template
 - ▶ Incorrect link between Essential requirements of directive and clauses of hENs
 - ► Lack of granularity
 - ► Inclusion of clauses not linked with Essential requirements
- **▶ Other reasons** (few cases)
 - ▶ Out of scope of EU Directive/Standardization request
 - ► Repeating or wrong use of EU legislation terminology

Drafter checklist



Annex A (informative)

Checklist for writers and editors of documents

The following checklist is a tool to help writers and editors of documents.

Task	Assessment	Done 🗹	Comments
Structure	Check table of contents:		
	Is the top-level structure logical?		
	Is the subdivision consistent?		
	Hanging paragraphs:		
	Check for and remove any hanging paragraphs.		
Use of plain	Is the text clear and concise?		
language	Are the sentences short? (check punctuation)		
Title	Is the title organized going from the more general to the more particular?		
	Does the title unintentionally limit the scope of the document?		
	Is it as clear and concise as possible?		
	Make sure that the title does not contain more than three elements.		
	If there are several parts, are the titles aligned?		
Foreword	Is the document a revision? If so, insert a revision statement including any amendments and technical corrigenda and a list of changes with respect to previous edition.		
	Are there any other organizations involved in the drafting that should be mentioned?		
Introduction	Is it purely informative?		
	Does it describe the content or give information on why the document is needed?		
Scope	Does it describe what the document does?		
	Does it state where it is applicable?		
	Does it only contain statements of fact?		
Normative references	Normative references clause: are all the references cited in the text actually normative?		
	Are the references dated or undated?		
	Are the references used ISO and IEC standards? If not, do suitable ISO and IEC standards exist which could be used instead?		
	Are the normative references publicly available?		
	References cited in a normative manner in the text: are all such references listed in Clause 2?		
Terms and	Are the terms listed used in the document?		
definitions	Do suitable terms exist in the terminology databases? - http://www.electropedia.org/ - http://www.iso.org/obp		
	Are the definitions correctly drafted?		

Internal Regulations Pt 3 – Annex A

All potential issues & drafting requirements covered

Follows the structure of a European Standard

Task	Assessment		Comments	
Figures	Does each figure have a concise title?			
	Is each figure numbered correctly?			
	Is there a key if necessary?			
	Are all figures cross-referenced in the text?	m the ISO and IEC C SC 3C and ster a standardized cise title? rectly? sed in the text? annex in the main part informative) correct? Is part of the text? and complete? eferences that should ents duplicated in uld" or "may" are not or notes. t used in the prrectly? the document? nean external ents specifying		
Graphical symbols	Are symbols used taken from the ISO and IEC databases?			
	If not, contact IEC TC 3, IEC SC 3C and ISO/TC 145 in order to register a standardized symbol.			
Tables	Does each table have a concise title?			
	Is each table numbered correctly?			
	Are all tables cross-referenced in the text?			
Annexes	Is there a reference to each annex in the main part of the text?			
	Is their status (normative or informative) correct? Is this made clear in the main part of the text?			
Bibliography	Is it formatted consistently?			
Bibliography	Are all the entries correct and complete?			
	Are any of them normative references that should be listed in Clause 2?			
	Are any of the listed documents duplicated in Clause 2?			
Drafting of provisions	Make sure that "shall", "should" or "may" are not used in the foreword, Scope or notes.			
	Make sure that "shall", is not used in the Introduction.			
provisions Potential legal	Are "may" and "can" used correctly?			
	Is "must" used anywhere in the document? Is "must" used correctly to mean external constraints?			
	Make sure that no requirements specifying compliance with national/legal regulations are included.			
	Copyrights			
problems	Trademarks			
	Patents			
Conformity assessment	Are there potential conformity assessment issues?			
Cross-references	Are all cross-references correct?			
Common problems	Are symbols for variable quantities correctly formatted in the text and mathematical formulae?			
	Is a comma on the line used as the decimal sign?			
Other issues				

Preparation of New Work Item



18. Related standardization request(s) (formerly mandate):			
□ No			
☐ Yes (please specify):			
19. Related	directive(s)		
□ No	411-011-010/		
□ NO	D: // /	0	
☐ Yes	Directive reference	Candidat	e for citation in Official Journal?
□ res		☐ No	☐ Yes
		□ No	☐ Yes

Page **4** of **5**

20. Relation to other legislation or established public policy.	
□No	
□Yes	
Please specify which legislation or established public policy is/are in relation with the proposed project:	

CEN-CENELEC 2021 49

NWI – example of the 'harmonized elements' data



18. Related	standardiza	ation request(s)	(formerly m	andate):
□ No				
X Yes (please specify): M/ <u>396 Machinery</u> Directive (MD)				MD)
		M/ <u>511_Low</u> Vo	ltage Directive	e (LVD) see note 1
Note 1: This \	WI is not cui	rently part of the	e LVD <u>Sreg !!</u>	
19. Related	directive(s))		
□ No				
X Yes Directive <u>re</u>		<u>eference</u>	Candidate for	citation in Official Journal?
	2006/42/E	С	X Yes	□ No
	2014/35/E	J	X Yes	<u>□ No</u>
20. Relation	to other le	egislation or est	tablished pub	lic policy.
□ No				
X Yes				
Please specify proposed proj	_	lation or establis	hed public pol	icy is/are in relation with the
2014/24/EU	Pub	lic Procurement		

Unforeseen Rev / Amdt of harmonized std falling in context of a Sreq



Please inform your CCMC contact person. In the future, if an item is not part of a Sreq Work Programme:

- ► The draft standard will not be assessed by the HAS system
- ► The published standard will not be referred in the OJFU

Foreword



European foreword

- ▶ This document (prEN XXXX: XXXX) has been prepared by Technical Committee CEN(ELEC)/TC XXX "Title", the secretariat of which is held by XXX.
- ▶ This document is currently submitted to the CEN/CENELEC Enquiry.
- ▶ This document will supersede EN XXXX: XXXX.
- ▶ In comparison with the previous edition, the following technical modifications have been made:...
- ▶ This document has been prepared under a standardization request given to CEN/CENELEC by the European Commission and the European Free Trade Association, and supports essential requirements of EU Directive(s) / Regulation(s).
- ► For relationship with EU Directive(s) / Regulation(s), see informative Annex ZA, which is an integral part of this document.

Scope



- ► The scope of the harmonized standard shall be concise and clear and worded as a series of statements of facts.
- ► In line with CEN-CENELEC Internal Regulation Part 3, the scope shall not include requirements, permissions or recommendations.
- ► The scope shall be consistent regarding content covered by the standard.

Normative Reference





Internal Regulations

Part 3

Principles and rules for the structure and drafting of CEN and CENELEC documents (ISO/IEC Directives — Part 2:2018, modified)

June 2019





10.1 Purpose or rationale

10.2 Permitted referenced

documents

10.3 Presentation of references

10.4 Undated references

10.5 Dated references

10.6 References in a document to itself

Normative Reference clause



□ General information

- is mandatory (clause 2)
- lists the normative references used in the standard for the convenience of the standard user (how they should be applied is described in the text of standard)
- the clause is informative
- Information on how these references apply is found in the place where they are cited in the document
- the clause starts 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.

 informative references should NOT be listed in this clause (they can be listed in bibliography)

Undated references



☐ Undated references may be used under below condition:

only to a complete document;

AND

 if it will be possible to use all future changes of the referenced document for the purposes of the referring document. Because, for undated references, the latest edition of the referenced document (including any amendments) applies



AND

 when it is understood that the reference will include all amendments to and revisions of the referenced document.

Dated references



□ Dated references are:

 references to a specific edition, indicated by the date of publication

OR

- references to a specific enquiry or final draft¹
- □ For dated references, only the edition cited applies



• if there a new edition or amendment, TC should review the dated references and assess if the document should be updated.



Dated vs Undated, example:



Undated

Listed:

- IEC 60335 (all parts), Household and similar electrical appliances Safety (Reference to all parts)
- IEC 60335-1, Household and similar electrical appliances Safety Part 1: General requirements (Reference to a single part)

In the text:

- " ... use the methods specified in ISO 128-20 and ISO 80000-1 ... ";
- " ... IEC 60417 shall be used... ".

Dated

Listed:

- IEC 62271-1:2007, High-voltage switchgear and controlgear – Part 1: Common specifications

In the text:

- "<u>as specified</u> in IEC 64321-4:<u>1996</u>, Table 1... ";
- " ... according to IEC 62271-1:2007... ".



European Commission requirements

Normative reference & legislation



- □ Normative references are integral part of the standard
- □ Standards are part of a legal system
- □ Presumption of Conformity: legal effect, given by EC
- What EC requires?
 - Requirement from EC very aligned with IR part 3
 - Since the legal effect of harmonized standard is given by EC (beginning & end), EC requires stable normative references hence,









- Dating of Normative References
- o Documents must be publicly available
- TC should actively assess & validate all the references when a document is revised
- To use minimum number of references
- For undated references, evaluate the impact of evolution → Risk of loss of presumption of conformity
- Normative references do not need to be harmonized



Parallel work with ISO and IEC

Normative references // IEC





■ When adopting IEC standard

 Normative references to international publications with their corresponding European publications (For CENELEC only) are listed under Annex ZA

☐ Annex ZA:

- It's normative
- Has specific template
- It replaces the reference in the body of the text
- Comes at the end of the standard (not clause 2)
- Basic rule: if not dated in IEC version → should not be dated in EN IEC version since it is pure adoption with no modification

<mark>Template</mark>

"Annex Z ... (normative)

Normative references to international publications with their corresponding European publications

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

NOTE 1 Where an International Publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

NOTE 2 Up-to-date information on the latest versions of the European Standards listed in this annex is available here: www.cenelec.eu.

Publication Year Title EN/HD Year"

Normative references // ISO





- □ When adopting an ISO standard
 - The same EU requirement apply
 - Dated normative references are the default solution
 - Listed in Clause 2 (no CLC Annex ZA equivalent)



HAS consultants' requests vs. CEN-CLC IR3

Normative references // IEC





To establish common understanding on the:

- Request to date a complete series of standards
- Request to refer in the Annex ZA to a standard that is not normatively referenced in the EN IEC text
- Request to provide complete Annex ZA in the frame of an amendment (covering main + amendment)



Common understanding on Normative References in hEN

Common understanding



■ Normative References in hEN

- Both dated and undated references can be used in harmonized standards
- Whenever TC considers the use of non-dated normative references, they shall check with the HAS consultant/European Commission
- If deemed necessary, the TC would have to carry out a risk assessment/justification on the use of undated normative references
- In case an undated reference is included, the EC may consider a notice in the OJEU (informing that undated references are included)
- CEN and CENELEC to strengthen the support to TC that develop harmonized standards, to comply with the drafting rules and the EC requirements
- CEN-CENELEC IR3 are an essential tool!
- Ensure communication on the matter with HAS consultants

EU legal text in the standard



- ▶ The terminology used in the standard, including definitions of terms in Clause 3, shall be consistent with the relevant EU legislation.
- ► The technical content of the document shall not:
 - ▶ contain requirements that contradict relevant EU legislation (e.g., fails to specify 'technical solutions', allows users of a document to decide on the specification);
 - ▶ repeat legal requirements as part of its normative requirements.

Other considerations



Risk reduction

▶ If a harmonized product standard deals with safety aspects, the relevant hazards must be identified and the risks reduced.

Neutrality principle

- ▶ The draft standard must respect the neutrality principle.
- ▶ The standard shall not contain clauses imposing requirements or obligations on or between certain economic operators (e.g. requirements are set to an economic operator and its competence or resources instead of to product design and product properties).
- ▶ The standard shall not contain clauses imposing first, second- or third-party assessment conformity.

Annex ZA/ZZ (1/2)



Annex ZA (informative)

Relationship between this European Standard and the essential requirements of Directive 2006/42/EC aimed to be covered

All harmonised standards must include an **Annex ZA**,

ZZ (for CLC)

demonstrating the relationship between the clauses of the standard and the regulatory requirements

This European Standard has been prepared under a Commission's standardization request "M/396" to provide one voluntary means of conforming to essential requirements of Directive 2006/42/EC of the European Parliament and of the Council of 17 May 2006 on machinery, and amending Directive 95/16/EC (recast).

Once this standard is cited in the Official Journal of the European Union under that Directive, compliance with the normative clauses of this standard given in Table ZA.1 confers, within the limits of the scope of this standard, a presumption of conformity with the corresponding essential requirements of that Directive, and associated EFTA regulations.

 $Table\ ZA.1-Correspondence\ between\ this\ European\ Standard\ and\ Directive\ 2006/42/EC$

The relevant Essential Requirements of Directive 2006/42/EC	Clause(s)/subclause(s) of this EN	Remarks/Notes
1.1.3 Materials and products	5.1.1; 5.1.2; 5.3.2	
1.1.4 Lighting	5.7.1; 5.7.2; 5.7.3; 5.7.4; 5.7.5; 5.7.6; 5.8.7	
1.1.5 Design of machinery to facilitate its handling	5.1.1; 5.5.2; 5.5.6; 5.8.1; 5.8.3; 5.8.4; 5.10.1; 5.10.5; 5.10.14.2	
1.1.6 Ergonomics	5.1.1; 5.2.1; 5.2.2; 5.2.3; 5.3.1; 5.3.3; 5.3.4; 5.8.5; 5.10.4; 5.10.8; 5.10.10; 5.10.12; 5.10.14.1	
1.1.7 Operating positions	5.1.1; 5.2.1; 5.2.3	
1.1.8 Seating	5.1.1; 5.3.1; 5.3.3; 5.3.4; 5.3.5	
1.2.1 Safety and reliability of control systems	5.1.9; 5.4.3; 5.5.3; 5.7.3	
1.2.2 Control devices	5.1.9; 5.4.1; 5.4.2; 5.4.3	
1000 0	ro2	

Annex ZA/ZZ (2/2)



- -Not following template see relevant template in CEN or CLC BOSS
- -Lack of granularity (e.g. § 4, 5, 6)
- -Wrong match between clauses of EN and ER
- -Including elements not relevant for the ER linked
- -Clauses of other standards mentioned in the Annex ZA/ZZ
- -Not covering other parts of standards

Citation in the Official Journal of the EU (OJEU)



2.4.2020 EN Official Journal of the European Union L 102/9

ANNEX I

Annex I to Implementing Decision (EU) 2019/436 is amended as follows:

- (1) row 35 is replaced by the following:
 - '35. EN 62841-2-1:2018

 Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery Safety Part 2-1: Particular requirements for hand-held drills and impact drills (IEC 62841-2-1:2017, Modified)

 EN 62841-2-1:2018/A11:2019
- (2) the following rows are added:

'43 .	EN ISO 18497:2018	В
	Agricultural machinery and tractors – Safety of highly automated agricultural machines – Principles for design (ISO 18497:2018)	
44.	EN ISO 19353:2019	В
	Safety of machinery – Fire prevention and fire protection (ISO 19353:2019)	

https://ec.europa.eu/growth/single-market/european-standards/harmonised-standards_en

Summary list of titles and references of harmonised standards

The summary below consolidates the references of harmonised standards published by the Commission in the Official Journal of the European Union (OJ). It reproduces information already published in the L or C series of the OJ. It contains all references which, when the summary was generated, still provided a presumption of conformity together with references already withdrawn from the OJ.

The Commission services provide this summary for information purposes only. Although they take every possible precaution to ensure that the summary is updated regularly and is correct, errors may occur and the summary may not be complete at a certain point in time. The summary does not as such generate legal effects.

- Summary list as pdf document
- Summary list as xls file

Checklist for drafting hENs



► Last months: increase outcome HAS assessment 'Lack of compliance'

Need to support Technical Bodies to increase HAS assessment 'Compliant'



► Technical Boards approved checklist to assist Technical Bodies in drafting harmonized standards (decision BT C089/2021 and D168/C108)

Checklist for hENs: main principles



- When drafting homegrown hENs, harmonized standards under VA (CEN lead) or European Common modifications (CENELEC) → Technical Bodies shall check their compliance against a dedicated checklist
- TC secretary in CEN and Technical body secretary/ Reporting Secretariat in CENELEC → ensure checklist is filled out and submitted to CCMC with the draft hEN and supporting documents (where relevant)
- 3) During the ENQ and FV procedures: CCMC will reject, as of 2021-10-01, the submission of draft hEN if the completed checklist and relevant documents were not submitted

Checklist for hENs: other aspects



- ► Checklist: horizontal aspects to be considered by TCs when drafting hEN in view of OJEU citation
- ▶ Recommended until 2021-09-30 → mandatory afterwards
- ► Horizontal checklist applies to all sectors
 - ► Specific checklist for construction under preparation
- ► Checklist shall be completed before dispatching draft standard for:
 - ► First working draft stage
 - ► Enquiry
 - ▶ Formal Vote
 - ► Following lack of compliance assessment at FV stage (e.g. resubmission)
- ► Strongly recommended the checklist for drafting of hEN under VA and FA (with ISO or IEC lead)

Checklist for hENs

► CEN and CENELEC BOSS pages on drafting hENs under finalization

© CEN-CENELEC 2021

v2021-04-14

Checklist – Items to be considered when drafting standards answering a Standardisation Request and to be offered for citation in the OJEU

This checklist was prepared following the format of Internal Regulations CEN/CENELEC Part 3 – Annex A "Checklist for writers and editors of document". All CEN/CENELEC standards and deliverables shall follow the provisions of IR 3.

This checklist is applicable for all sectors, except construction.

This checklist shall be fulfilled before dispatch for:

- 1. the First Working Draft for optional assessment (if any),
- the draft for Enquiry,
- the final draft for Formal vote,
- 4. In case of lack of compliance assessment, a new optional assessment after Formal vote (PUB assessment).

The Technical Committee secretary in CEN and the Technical body secretary / Reporting Secretariat in CENELEC are responsible for ensuring that the checklist below is filled out and submitted to CCMC with the draft candidate harmonized standards and their supporting documents/justifications where relevant. In CEN, the matrix of responsibilities shall be followed (see decision BT C081/2018).

It is strongly recommended to use of the checklist for the drafting of harmonized standards in support of EU Legislation under VA and FA (with ISO or IEC lead).

+1+

4			
	Check the following questions – if you answer yes to all the questions, the draft is probably ready for submission to CCMC		Check
(and HAS Consulto		(and HAS Consultant assessment).	
	General	Is this draft standard listed in a Standardisation Request / covered by a Mandate?	
		Is this reflected in Projex-online database?	
		NB: This information is normally already provided in the NWIP form.	
		NB: If not, contact the TC secretariat. A possible way forward is to propose to the European Commission to add this work	
		item in a (revised) Standardisation Request. This is not applicable if the standard is covered by an open Mandate (e.g.	
		M/396 Machinery)	

If the HAS assessment was performed (i.e. optional assessment at First Working Draft (FWD) stage or assessment at		
	Enquiry stage), has the WG answered <u>all</u> comments from the HAS Consultant(s)?	
	NB: The last column of the HAS Assessment Report ('Observations of the secretariat') at previous stage shall be filled in	
	with the information on how the comments have been addressed.	
	If the text deals with requirements that are not linked to essential requirements of EU legislation, are these	
	requirements in separate clauses, so that in Annex Z only the clauses covering essential requirements are identified?	
	If the standard is a revision, are the significant changes with respect to the previous edition precisely defined?	
	NB: The list of the significant changes with respect to the previous edition is an important element of the useful	
	information to the standard users. It should not be too vague.	
	NB: When the list of significant technical changes is extensive, it may be included in an informative annex. A reference to	
European foreword	that annex shall be included in the foreword, preferably after the generic sentence that refers to the superseded document.	
ioreword	Does it include the following sentences "The standard has been prepared under a standardisation request given to	
	CEN/CENELEC by the European Commission and the European Free Trade Association and support essential	
	requirements of EU Directive / Regulation. For relationship with EU Directive / Regulation, see informative Annex Z,	
	which is an integral part of this document."?	
	NB: Annex ZA in CEN and Annex ZZ in CENELEC.	
	Is the scope concise and clear? Is it worded as a series of statements of fact?	
	Are the title, scope and annex Z consistent regarding exclusion / content covered by the standard?	
Scope	NB: The scope of the standard could be broader than the relationship between this standard and the requirements of the	
	EU legislation.	
	NB: The scope shall not include requirements, permission or recommendation (in line with IR 3).	
	Are the standards listed in the Normative references Clause 2 normatively referenced within the text (i.e. are they cited	
Normative	in the text in such a way that some or all of their content constitutes requirements of the document, for instance with a	
reference	"shall").	
reference	NB: See IR 3 with the preferred verbal form to be used to express a requirement.	
	Are the normative references dated in Clause 2 and in all clauses of the draft standard?	□Yes □No

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Checklist for hENs: ENQ/FV process (CEN)



WG

- ▶ WG drafts hENs
- ► WG Qualified support checks that the draft hEN fulfils requirements to be cited
- ▶ WG Qualified support ensures that checklist is filled out
- ► WG Qualified support/convenor submits to TC secretary:
 - 1) Draft hEN
 - 2) Checklist filled out
 - 3) ENQ HAS assessment report with last column filled on how consultant comments were addressed (applicable for FV only) /

CEN: <u>matrix responsibilities</u> to be followed (decision BT C081/2018)

TC secretary

- ▶ Checks that checklist is filled out
- Submits the draft hEN and checklist to CCMC for ENQ/FV procedure

hEN + checklist submitted?



ENQ/FV procedure could start

Checklist not submitted?



CCMC will reject hEN submission

Checklist for hENs: ENQ/FV process (CENELEC) CENELEC



WG

- ▶ WG drafts hFNs
- ▶ WG ensures that following docs are submitted to TC secretary:
 - 1) Draft hEN
 - 2) Checklist filled out
 - 3) ENQ HAS assessment report with last column filled on how consultant comments were addressed (applicable for FV only)

CENELEC: matrix of responsibilities under discussion

TC secretary

- Checks that checklist is filled out.
- Submits the draft hEN and checklist to CCMC for FNO/FV procedure

hEN + checklist submitted?



ENQ/FV procedure could start

Checklist not submitted?



CCMC will reject hEN submission



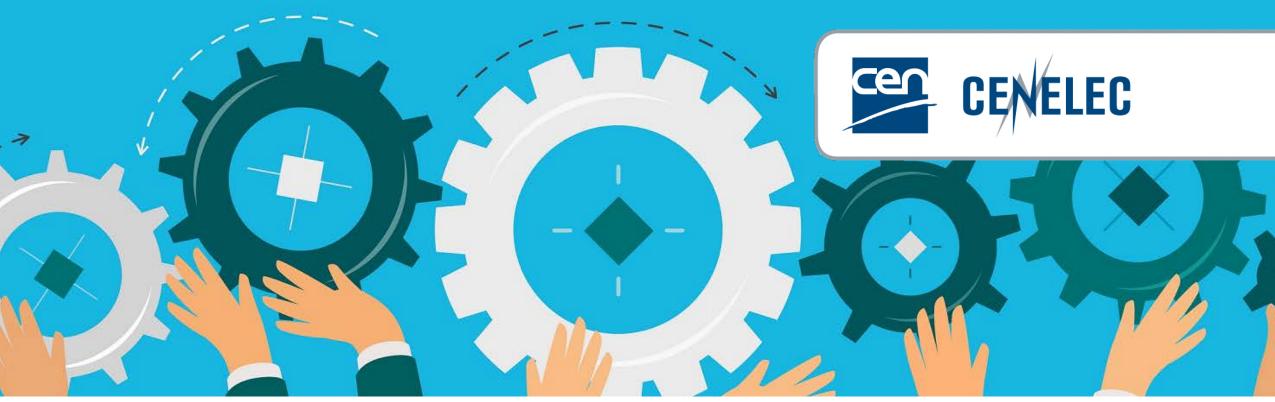
European Standardization Organizations

Thank you!

Thierry Legrand, Account Manager Mobility tlegrand@cencenelec.eu
Nuno Pargana, Account Manager Manufacturing npargana@cencenelec.eu







European Standardization Organizations

Drafting hENs in the international context: Vienna Agreement (CEN/ISO) & Frankfurt Agreement (CENELEC/IEC)

Constant Kohler, Account Manager Electrotechnology



Vienna Agreement (VA) - Facts and Figures



What?

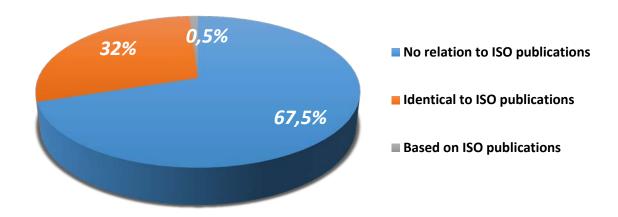
 Formal agreement on technical cooperation between ISO and CEN

When?

- 1991 Signature
- 2001 'Codified version'
- 2016 '<u>Guidelines on</u> implementation'

Why?

 To avoid duplication of work at International and European levels



Frankfurt Agreement (FA) - Facts and Figures



What?

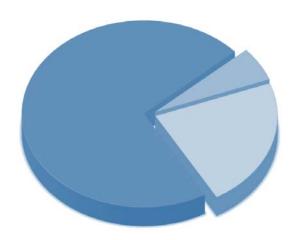
Agreement on common planning of new work and parallel voting between IEC and CENELEC

When?

- 1996 Dresden Agreement
- 2016 Frankfurt Agreement

Why?

- Underline commitment of IEC & CENELEC to undertake work at international level
- Promote global economy
- Ensure rational use of back office resources



- ■72% Identical to IEC publications
- ■6% Based on IEC publications
- 22% No relation to IEC publication

hEN development process



Under the Vienna and Frankfurt Agreements

Standards development process

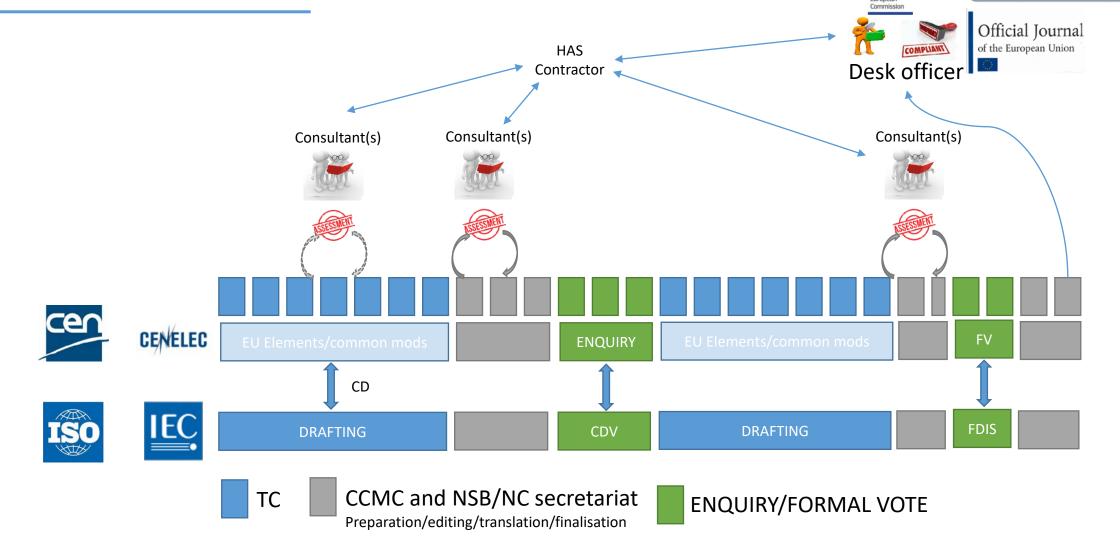


- The same principles apply but with additional considerations to address the international standardization processes
- It requires consensus-building at European and international levels
- It requires **strong communication and coordination** between the European TC and the international TC (specific role for secretaries, convenors and TPM)
 - **⊘**

A same standard will apply worldwide and will provide presumption of conformity to European directives/regulations

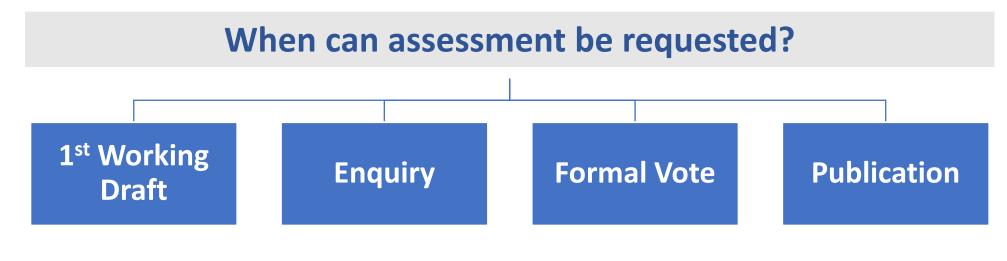
Standards development process

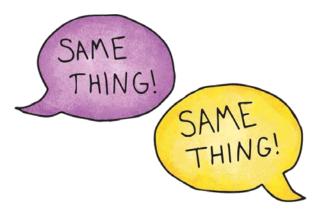




Interaction with standards' development







However, consider that in the case of ISO or IEC lead, the international committee drafts, develops and progress the standard — the specific European elements (e.g. Annex Z) need to be "attached" to the standard for (1) the parallel European standardization processes and for (2) the assessment requests...

Interaction with standards' development



Therefore, the following considerations apply in case of ISO or IEC lead:

- The checklist does not have to be provided by the European TC (but its use is recommended!), since the standard is being developed at international level Further, the European TC does not decide when the standard will be submitted to the standardization procedures
- The assessment still needs to be requested before the start of the parallel Enquiry or parallel Formal Vote, however consider particular dimensions for ISO or IEC:
 - For parallel EN IEC, the standard cannot be modified before the formal start of the Enquiry or Formal Vote (e.g. the European TC cannot decide to suspend the launch of the Enquiry or Formal Vote to address the consultant's comments)
 - For parallel EN ISO, ISO will not start the vote until the results of the assessment are known then, depending on the outcomes, ISO may decide to start the vote or not
- Resolving a non-compliant assessment at Formal Vote: the European TC cannot trigger (for instance) a second Formal Vote – CEN/ISO and CLC/IEC would not be aligned anymore – nonetheless the

European TC can still work on the European annexes

What does not change!



- NWI: European TC evaluates the possibility to link the WI with a standardization request's work programme
- ► Request first working draft (FWD) HAS assessment
- Exchange with the HAS consultant as much as possible
- ▶ Prepare documentation for meetings (e.g. HAS assessment report with TC remarks)
- Normally, 'Compliant' assessment is required for CEN or CENELEC to proceed with the publication of the European Standard

Webinar: "Harmonized European standards: Drafting standards compliant with EU legislation"

In terms of standards' contents...





In case the parallel EN/IS is not compliant, it does not mean that the standard is not good for the market... It simply means that the EN/IS has not met the specific European requirements for compliance:

- Concise and clear scope
- Objectively-verifiable requirements and test methods (e.g. avoid that a same clause addresses (for instance) safety, EMC and radio requirements)
- Normative references must be dated
- Neutrality principle: the standard shall not contain clauses imposing requirements or obligations on or between certain economic operators
- Annex ZA (CEN) and Annex ZZ (CENELEC)
- Comply with sector specific rules... see dedicated Webinars and Trainings



European Standardization Organizations

Thank you!

Constant Kohler, Account Manager Electrotechnology ckohler@cencenelec.eu





European Standardization Organizations

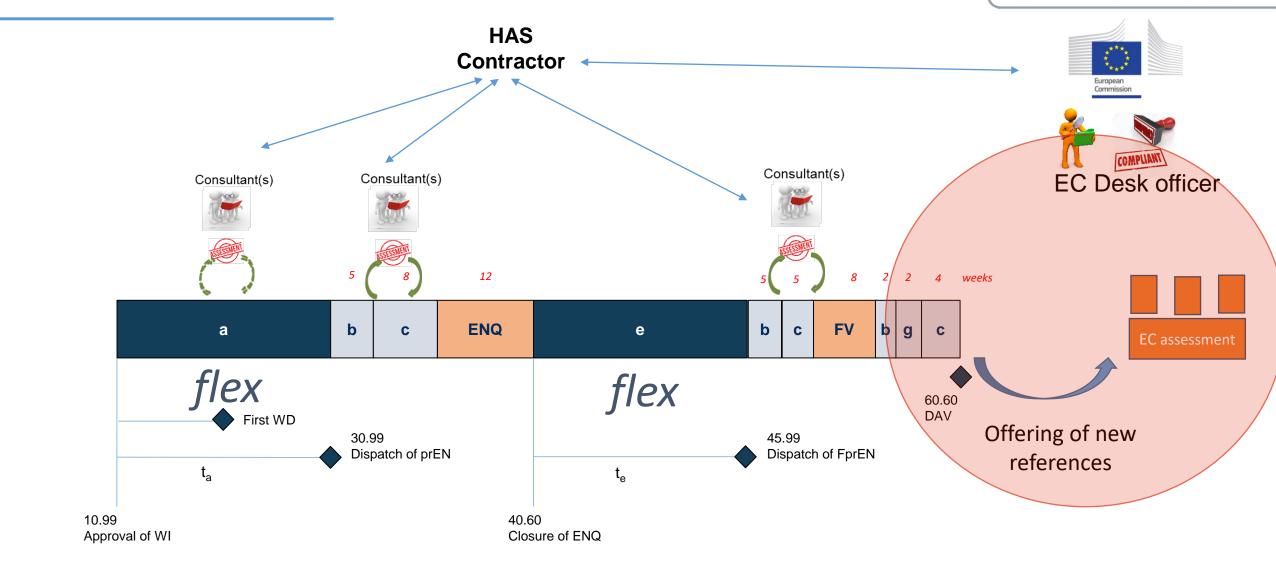
Citation of hENs in the OJEU

Goncalo Ascensao Account Manager - Digital Solutions



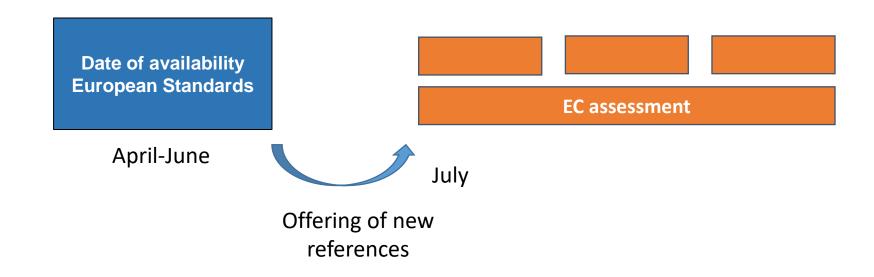
Citation of hENs in the OJEU – the process





The process step by step

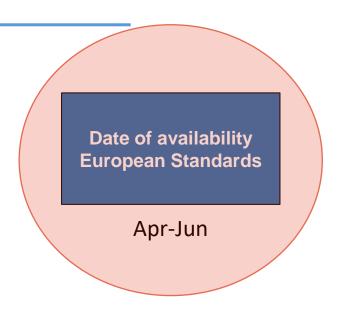




- ► Every Quarter CEN and CENELEC offer references to EC;
- ▶ e.g. DAV between April-June → offered in July

Before end of Quarter



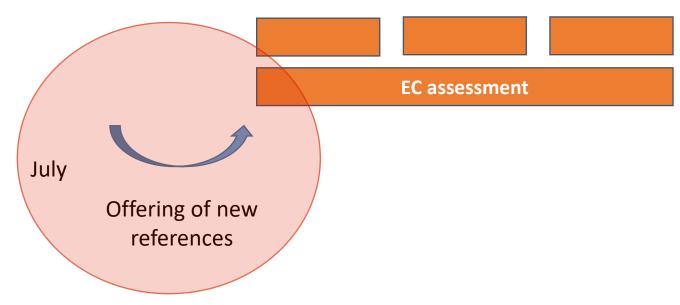


Quarter	Period
Q1	Jan-Mar
Q2	Apr-Jun
Q3	Jul-Sep
Q4	Oct-Dec

- ► CCMC identifies new references;
- Validation of compliance with HAS assessment (if relevant);
- Creation of the new lists to be offered (different Directives/Legislation);
- ▶ Pre-notification of references sent to EC;

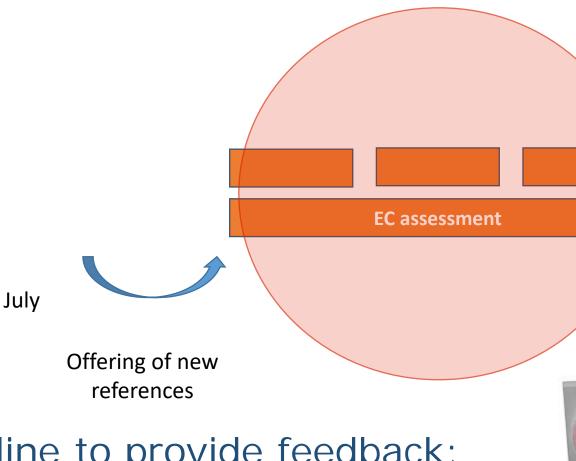
Quarterly offering





- ► Lists which have been validated by CCMC;
- ► Formal letter sent to EC;
- ▶ References are provided to EC;

EC assessment



- ▶ 10 weeks deadline to provide feedback;
- ▶ Possible outcomes are:
 - ► Acceptance leading to citation in OJEU
 - ► Rejection reply to CEN and CENELEC





Citation in OJEU in the L series info available in

<u>https://ec.europa.eu/growth/single-market/european-standards/harmonised-standards_en</u>

▶ CEN and CENELEC are informed



Citation in OJEU in the L series – e.g. Low Voltage

22.6.2021

EN

Official Journal of the European Union

L 222/45

ANNEX I

Annex I to Implementing Decision (EU) 2019/1956 is amended as follows:

- (1) row 11 is deleted;
- (2) the following row 11a is inserted:

'11a.	EN 60335-2-85:2003	
	Household and similar electrical appliances – Safety -Part 2-85: Particular requirements for fabric steamers	
	EN 60335-2-85:2003/A1:2008	
	EN 60335-2-85:2003/A11:2018	
	EN 60335-2-85:2003/A2:2020'	



Citation in OJEU in the L series – e.g. Toys

31.5.2021

EN

Official Journal of the European Union

L 190/99

ANNEX I

No Reference of the standard			
1.	EN 71-1:2014+A1:2018 Safety of toys — Part 1: Mechanical and physical properties		
2.	EN 71-2:2011+A1:2014 Safety of toys — Part 2: Flammability		
3.	EN 71-3:2019 Safety of toys - Part 3: Migration of certain elements		
4.	EN 71-4:2013 Safety of toys — Part 4: Experimental sets for chemistry and related activities		
5.	EN 71-5:2015 Safety of toys — Part 5: Chemical toys (sets) other than experimental sets		
6.	EN 71-7:2014+A3:2020 Safety of toys — Part 7: Finger paints — Requirements and test methods		
7.	EN 71-8:2018 Safety of toys — Part 8: Activity toys for domestic use		
8.	EN 71-12:2016 Safety of toys — Part 12: N-Nitrosamines and N-nitrosatable substances		
	Informative note: The limit values in point a) of Table 2 of clause 4.2 of standard 'EN 71-12:2016 Safety of toys — Part 12: N-Nitrosamines and N-nitrosatable substances' are lower than the limit values to be complied with set in point 8 of part III of Annex II to Directive 2009/48/EC. In particular those values are as follows:		
	Substance	Standard EN 71-12:2016	Directive 2009/48/EC

Substance	Standard EN 71-12:2016	Directive 2009/48/EC
N-nitrosamines	0,01 mg/kg	0,05 mg/kg
N-nitrosatable	0,1 mg/kg	1 mg/kg



Rejection of citation

Ref. Ares(2021)1761531 - 11/03/2021

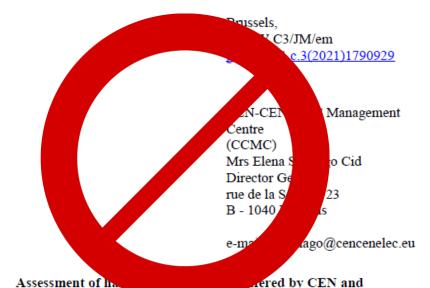


EUROPEAN COMMISSION

DIRECTORATE-GENERAL FOR INTERNAL MARKET, INDUSTRY, ENTREPRENEURSHIP AND SMES

Industrial Transformation and Advanced Value Chains

The Director



Subject:

CENELEC under the standards attorn request M/542, C(2015) 8736 final of 15.12.2015 in support of Directive 2013/53/EU related to recreational craft



- ▶ EC letter with reasons is received;
- ► CCMC informs Technical Bodies;
- ► Follow-up actions are needed.



European Standardization Organizations

Thank you!

Goncalo Ascensão, Account Manager Digital Solutions <u>gascensao@cencenelec.eu</u>



General information available



- Websites: <u>www.cencenelec.eu</u>, <u>www.cen.eu</u> and <u>www.cenelec.eu</u>
- Area with <u>training documentation</u>
- CEN-CENELEC Newsletter: 'On the spot'
- Social Media: <u>Facebook</u>, <u>Twitter</u>, <u>LinkedIn</u> & <u>YouTube</u>
- <u>CEN-CENELEC</u>, <u>CEN</u> and <u>CENELEC</u> Guides
- CEN Members and CENELEC members
- 10-10 webinars & webinars for standard drafters

Important contacts CCMC



dataservice@cencenelec.eu	Forward the minutes of each meeting /TC decisions at meeting and by correspondence/ WI manual registration / Projex alerts/ CEN database
production@cencenelec.eu	eTrans / translation/ voting results/corrigenda/ final publications
partners@cencenelec.eu	Liaisons with European/international organizations
research@cencenelec.eu	Support on research projects



European Standardization Organizations

Thank you!

Next webinars

2021-09-10 - 10-10 webinar: Presentation of the changes introduced in the CEN and CENELEC bylaws

2021-10-01 - Webinar 'Biodiversity - harmonization through voluntary standards'