



European Standardization Organizations

# Webinar for Standard Drafters

Drafting for XML: Recap webinar series and refreshment of the Internal Regulations Part 3

*We start at  
14:00 CET*

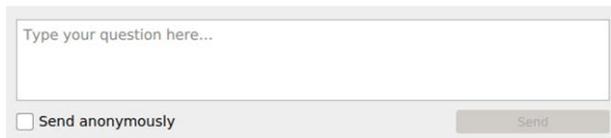
# Your webinar moderator



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# Get the most out of the webinar today

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



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

# Your speakers today



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*Standardization & Digital Solutions*



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# To be discussed...

- ▶ Introduction
- ▶ Drafting for XML – recap of key points
  - ▶ How XML is created
  - ▶ Templates
  - ▶ Figures
  - ▶ Tables
  - ▶ Formulae
  - ▶ Citations
  
- ▶ Internal Regulations (IR) Part 3 – Drafting rules refresher

# Introduction

- ▶ Last webinar of the series!

Check all webinars via [this link](#)

- ▶ Recap of the key points discussed this year:
  - ▶ your questions from the Q&A
  - ▶ identified drafting issues present in submitted texts
  - ▶ email questions
- ▶ Webinar series → Technical Body Officers training ([info](#))
- ▶ For more detail on any point → see [previous webinars](#)

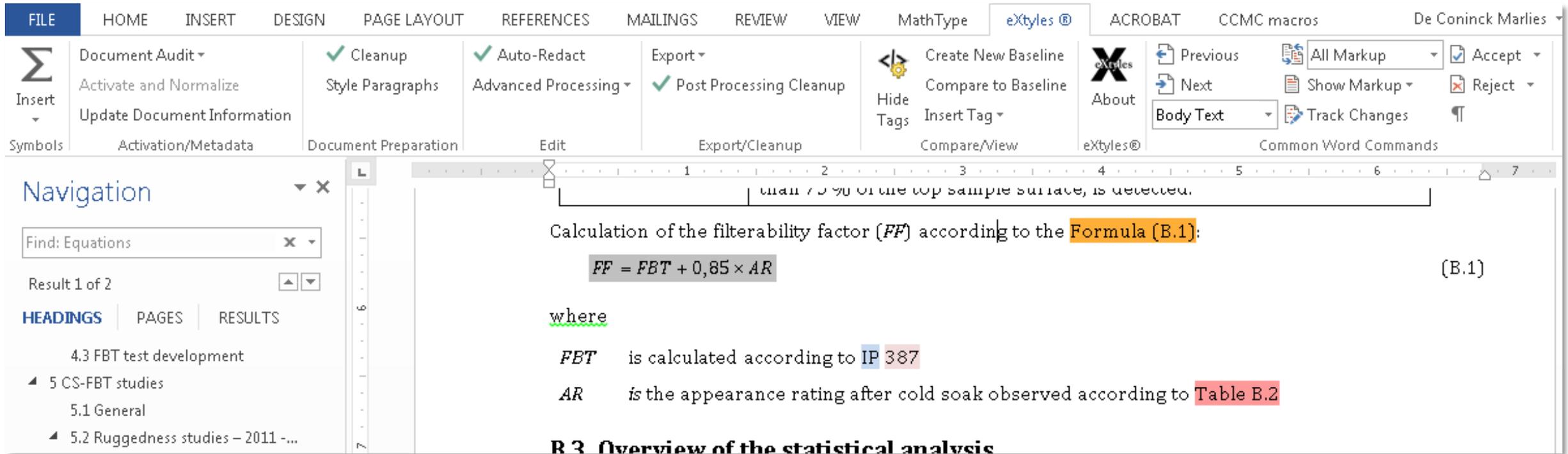
# Good quality documents for XML

# Good quality documents for XML

- ▶ **Obligatory** XML for **all applicable deliverables**
- ▶ Crucial to have good quality from first submission
- ▶ Fixing problems = time-consuming
- ▶ Requirements to fulfil

# Word to XML (1)

## ► Use of tools (eXtyles)



The screenshot displays the Microsoft Word interface with the eXtyles ribbon active. The ribbon includes the following groups and options:

- Insert**: Document Audit, Activate and Normalize, Update Document Information
- Activation/Metadata**: Cleanup, Style Paragraphs
- Document Preparation**: Auto-Redact, Advanced Processing
- Edit**: Post Processing Cleanup
- Export/Cleanup**: Export, Post Processing Cleanup
- Compare/View**: Hide Tags, Create New Baseline, Compare to Baseline, Insert Tag
- eXtyles@**: About
- Common Word Commands**: Previous, Next, All Markup, Show Markup, Track Changes, Accept, Reject

The document content shows a navigation pane on the left with a search for "Equations" and a list of headings. The main text area contains the following content:

Calculation of the filterability factor (*FF*) according to the **Formula (B.1)**:

$$FF = FBT + 0,85 \times AR \quad (B.1)$$

where

- FBT* is calculated according to **IP 387**
- AR* is the appearance rating after cold soak observed according to **Table B.2**

**B.3 Overview of the statistical analysis**

# Word to XML (2)

64\_e\_stf.docx

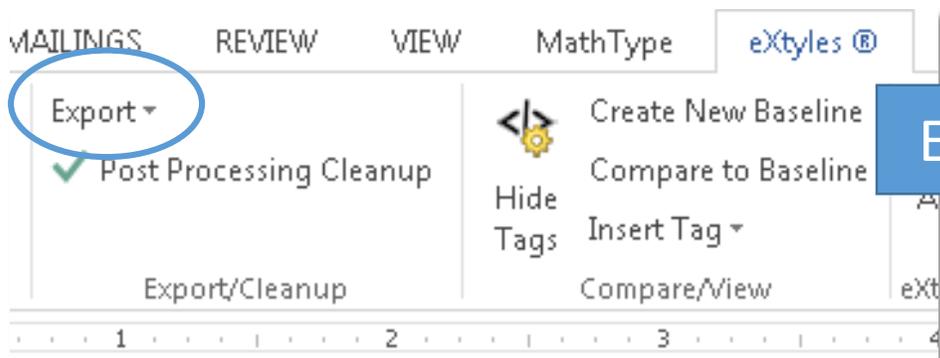
Calculation of the filterability factor (*FF*) according to the **Formula (B.1)**:

$$FF = FBT + 0,85 \times AR$$

where

*FBT* is calculated according to **IP 387**

*AR* is the appearance rating after cold soak observed according to **Table B.2**



64\_e\_stf.xml

```
<p>Calculation of the filterability factor (FF) according to the Formula (B.1) according to the Formula (B.1):</p>
<math id="formula_B.1">
  <math display="block">
    <math>F</math> = <math>F</math> + <math>0,85</math> <math>\times</math> <math>A</math> <math>R</math>
  </math>
  <label>(B.1)</label>
</math>
<p>where</p>
<table id="tab_d" width="651">
  <tbody>
    <tr>
      <td align="justify" scope="row"><i>FBT</i></td>
      <td align="justify">is calculated according to <std-ref>IP 387</std-ref></td>
    </tr>
    <tr>
      <td align="justify" scope="row"><i>AR</i></td>
      <td align="justify"><i>is</i> the appearance rating after cold soak observed according to <std-ref>Table (B.2)</std-ref></td>
    </tr>
  </tbody>
</table>
</sec>
```

# CEN & CENELEC Simple Templates



## ► CEN & CENELEC BOSS

Reference documents

Guidance documents

**Forms and templates**

Formatted Decisions

Profiles

BT Decisions

[Home](#) > [Reference material](#) > **Forms and templates**

### Forms and templates

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#### TECHNICAL BODY ORGANIZATION

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#### TECHNICAL WORK

- > [Commenting Form](#)
- > [IPR - Patents Declaration form](#)
- > [Drafting A-deviations](#)
- > [Draft Standardization Request - BT Commenting form](#)
- > [Environmental checklist - Service standards](#)
- > [Environmental checklist - Testing standards](#)
- > [Exploitation Rights License Agreement](#)
- > [HAS Consultants - meeting attendance - Guide](#)
- > [HAS Consultants - meeting attendance Request form](#)
- > [New activity field proposal](#)
- > [Proposal for a new work item](#)
- > [STD Template - \(Standard template\) - Overview of the revised template](#)
- > [CEN Simple template for drafting standards - French translation](#)
- > [Transmission Notice](#)

Reference documents

Guidance documents

**Forms and templates**

[Home](#) > [Reference material](#) > **Forms and templates**

### Forms and templates

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#### TECHNICAL BODY ORGANIZATION

---

#### TECHNICAL WORK

- > [Commenting template](#)
- > [HAS Consultants - meeting attendance - Guide](#)
- > [HAS Consultants - meeting attendance - Request form](#)
- > [IPR- Exploitation Rights License Agreement](#)
- > [IPR - Attendance list](#)
- > [IPR - Patents declaration](#)
- > [IPR - WS exploitation](#)
- > [NWI form](#)
- > [New Field of Technical Activity](#)
- > [Standard template](#)
- > [SSO - Opinion on draft ENs](#)
- > [Transmission Notice](#)
- > [Vilamoura - Notification of a new national project](#)
- > [Vilamoura - Notification of a revision of a national standard](#)

# Introduction & Clause 1

## ▶ Introduction styling

- ▶ Intro Title
- ▶ Body text

Intro Title

### **Introduction**

Body Text

The determination of moisture and protein content in whole kernels of l using a near infrared spectrometer.

Body Text

This document presents the results of 3 interlaboratory tests implemer their overall statistical treatment.

## ▶ Clause 1 styling

- ▶ Heading 1
- ▶ Body text

Heading 1

### **1 Scope**

Body Text

This document defines the repeatability and the reproducibility spectroscopy in whole kernels for the determination of moisture an performance of the method (accuracy) is found in **EN 15948**.

# Clauses 2 & 3 (1)

## ▶ Clause 2 styling

- ▶ Body text – introductory wording
- ▶ RefNorm – Each reference, including non-EN/ISO/IEC references

Heading 1	<b>2 → Normative references</b>
Body Text	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.
RefNorm	<code>&lt;std&gt;prEN<sup>1</sup>15947-1:2020, Pyrotechnic articles<sup>2</sup>— Fireworks, Categories F1, F2 and F3<sup>2</sup>— Part 1: Terminology&lt;/std&gt;</code>

## ▶ Clause 3 styling

- ▶ Body text
- ▶ TermNum
- ▶ Term
- ▶ Definition

Heading 1	<b>3 → Terms and definitions</b>
Body Text	For the purposes of this document, the terms and definition following apply.
Body Text	ISO and IEC maintain terminological databases for use in standard
List Continue 1	• → IEC <u>Electropedia</u> : available at <a href="http://www.electropedia.org/">http://www.electropedia.org/</a>
List Continue 1	• → ISO Online browsing platform: available at <a href="http://www.iso.c">http://www.iso.c</a>
TermNum	<b>3.1</b>
Term(s)	<b>commercial butane</b>
Definition	hydrocarbon product composed predominantly of butanes and/c
Note	Note 1 to entry: → The remaining part can consist mainly of propane/prc
Definition	[SOURCE: ISO <sup>9</sup> 162]

# Clauses 2 & 3 (2)

## ► Incorrect styling is time consuming and prevents editors from generating XML

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.	
<b>Incorrect:</b>	
EN 825:2013	Thermal insulating products for building applications — Determination of flatness
EN 1604:2013	Thermal insulating products for building applications — Determination of dimensional stability under specified temperature and humidity conditions
<b>Correct:</b>	
EN 825:2013, <i>Thermal insulating products for building applications — Determination of flatness</i>	
EN 1604:2013, <i>Thermal insulating products for building applications — Determination of dimensional stability under specified temperature and humidity conditions</i>	

Heading 1	<b>3 Terms and definitions</b>
Body Text	For the purposes of this document, the following terms and definitions apply.
Body Text	ISO and IEC maintain terminological databases for use in standardization at the following addresses:
List Bullet	— ISO Online browsing platform: available at <a href="https://www.iso.org/obp">https://www.iso.org/obp</a>
List Bullet	— IEC Electropedia: available at <a href="http://www.electropedia.org/">http://www.electropedia.org/</a>
List Bullet	<b>Incorrect:</b>
Heading 2	<b>3.1 term</b>
Definition	text of the definition
Heading 2	<b>3.2 term</b>
Definition	text of the definition
Definition	<b>Correct:</b>
TermNum	<b>3.1</b>
Term(s)	<b>term</b>
Definition	text of the definition

## ► Note X to entry and not NOTE!

# Clauses 2 & 3 (3)

## ► Footnote for stand-alone amendments

**Incorrect:** EN 60529:1991+A1:2000+A2:2013, *Degrees of protection provided by enclosures (IP Code) (IEC 60529)*

What is meant: EN 60529:1991 as amended by EN 60529:1991/A1:2000 and EN 60529:1991/A2:2013

**Correct:** EN 60529:1991<sup>1)</sup>, *Degrees of protection provided by enclosures (IP Code) (IEC 60529)*

1) As amended by EN 60529:1991/A1:2000 and EN 60529:1991/A1:2013.

## ► Publication footnote

.... ISO 1234:—<sup>2</sup>, lists the test methods for...

-----

<sup>2</sup> Under preparation. Stage at the time of publication: ISO/DIS 1234:2014.

# Figures (1)

- ▶ Separate electronic files:
  - ▶ Obligatory for CEN
  - ▶ Strongly recommended for CENELEC (no XML)

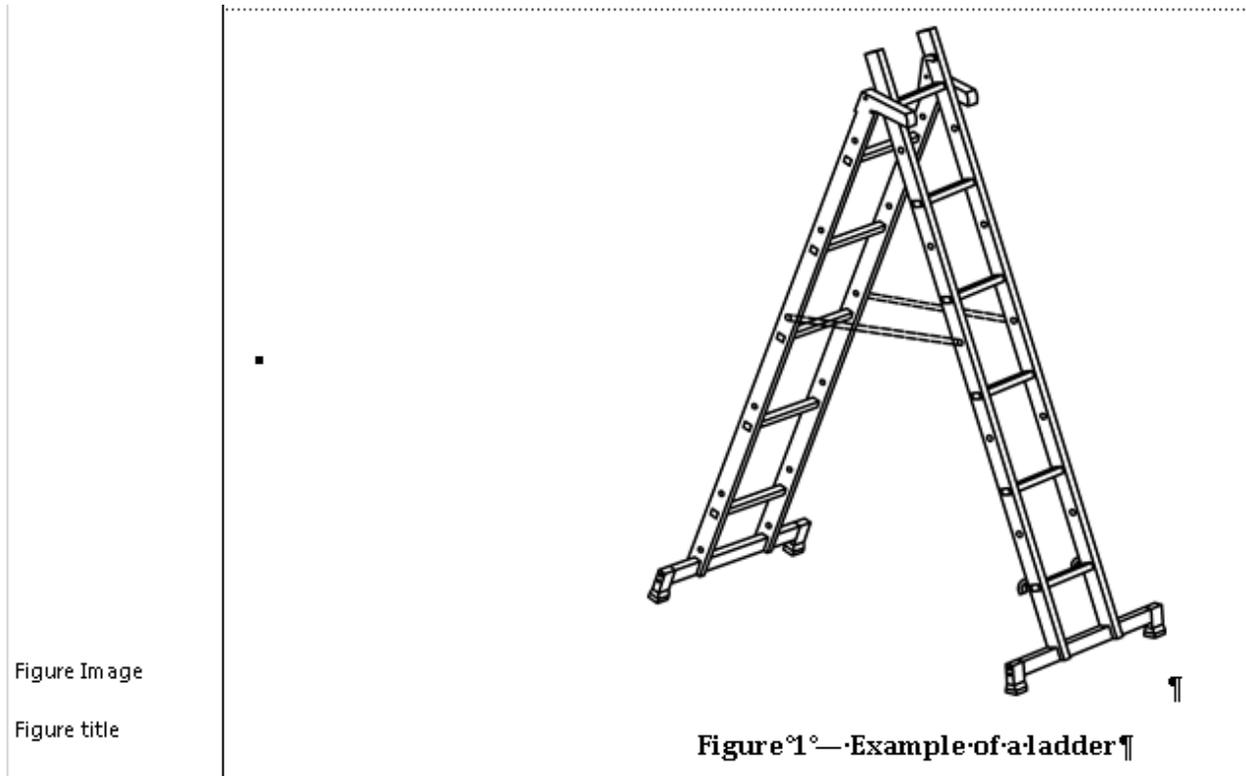
## **CEN only**

If figures are present in the text, but are not provided with the text at first delivery, the text will be rejected

- ▶ Naming:
  - ▶ Body figures: 001/Fig\_1
  - ▶ Annex figures: A001/Fig\_A1
  - ▶ Table figures: Tbl\_1\_1
  - ▶ Key figures: 001\_1/Fig\_1\_1

# Figures (2)

- ▶ Styling (common styles):
  - ▶ Figure image
  - ▶ Key title/key text
  - ▶ Figure title

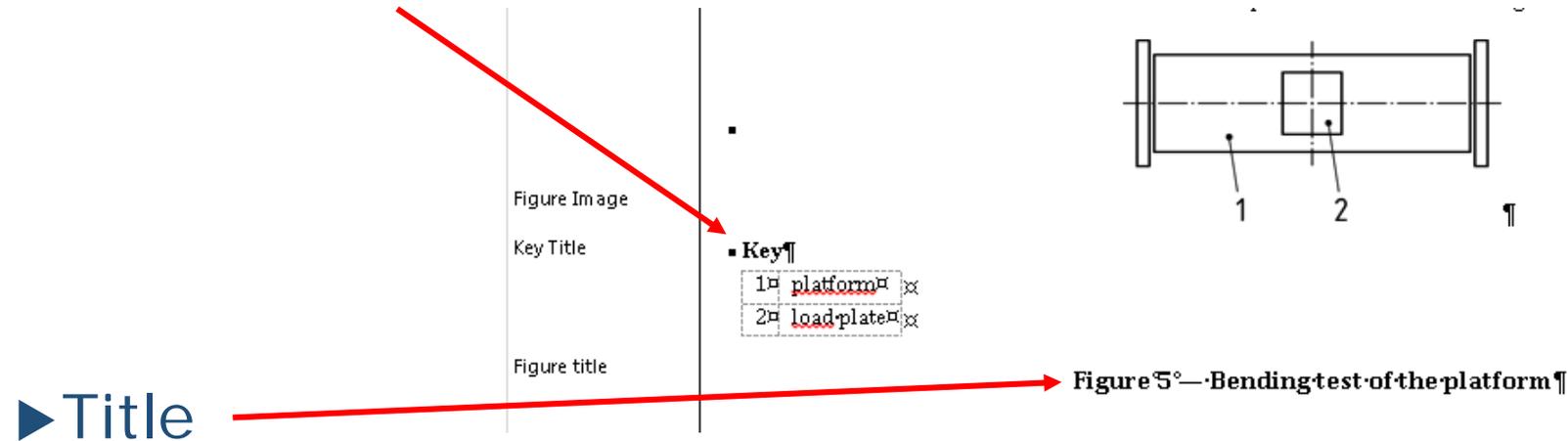


# Figures (3)

- ▶ .tif(f) (Photoshop) or .eps (Illustrator) format
- ▶ 600 dpi
- ▶ Compression LZW
- ▶ Single Layer (no autoshapes to edit figures)
- ▶ Size 100 %
  - ▶ Resizing not allowed in the Word file
  - ▶ Resizing generates a file with different sized figures
  - ▶ Typical issues with real size figures:
    - ▶ figure too large for the WORD/pdf page with keys/titles separated
    - ▶ figure so small that unreadable

# Figures (4)

## ► Language-neutral (using keys when needed)



## ► Title

- recommended by IR Part 3, 28.2, but expected by eXtyles
- Simple + concise title with 'Em' (long) dash after figure number (see e.g.)

# Tables (1)

- ▶ IR3, Cl. 29
- ▶ What can go wrong?
  - ▶ Corrupted tables → hard/impossible to generate XML
  - ▶ Errors possible when correcting layout
  - ▶ Delays in editing + timeframe
- ▶ Perfect tables are simple and concise:

Dimensions in millimetres			
Type	Length	Inside diameter	Outside diameter
	$l_1^a$	$d_1$	
	$l_2$	$d_2^{b c}$	

A paragraph containing a requirement.

NOTE 1 Table note.

NOTE 2 Table note.

<sup>a</sup> Table footnote.

<sup>b</sup> Table footnote.

<sup>c</sup> Table footnote.

# Tables (2)

## ► Styling (commonly used)

- Table title (using long 'em' dash after table number)
- Table header
- Table body

Table Title

Table Header (First row only)

Table body  
Table body (-)

Hidden border (not split/merged cell)

Class	Maximum working pressure bar	Minimum ambient temperature °C
1 (tubing)	0,2	-20
2 (hose)	10	-30
3 (hose)	30	

## ► Layout:

- Title before table
- Dimensions between title and table

# Tables (3)

- ▶ Styling table-array content (non-designated tables):
  - ▶ Figures → **table body** + **bold** (for subfigure titles)
  - ▶ List content → **table body**
  - ▶ Formula explanations/keys → **table body**

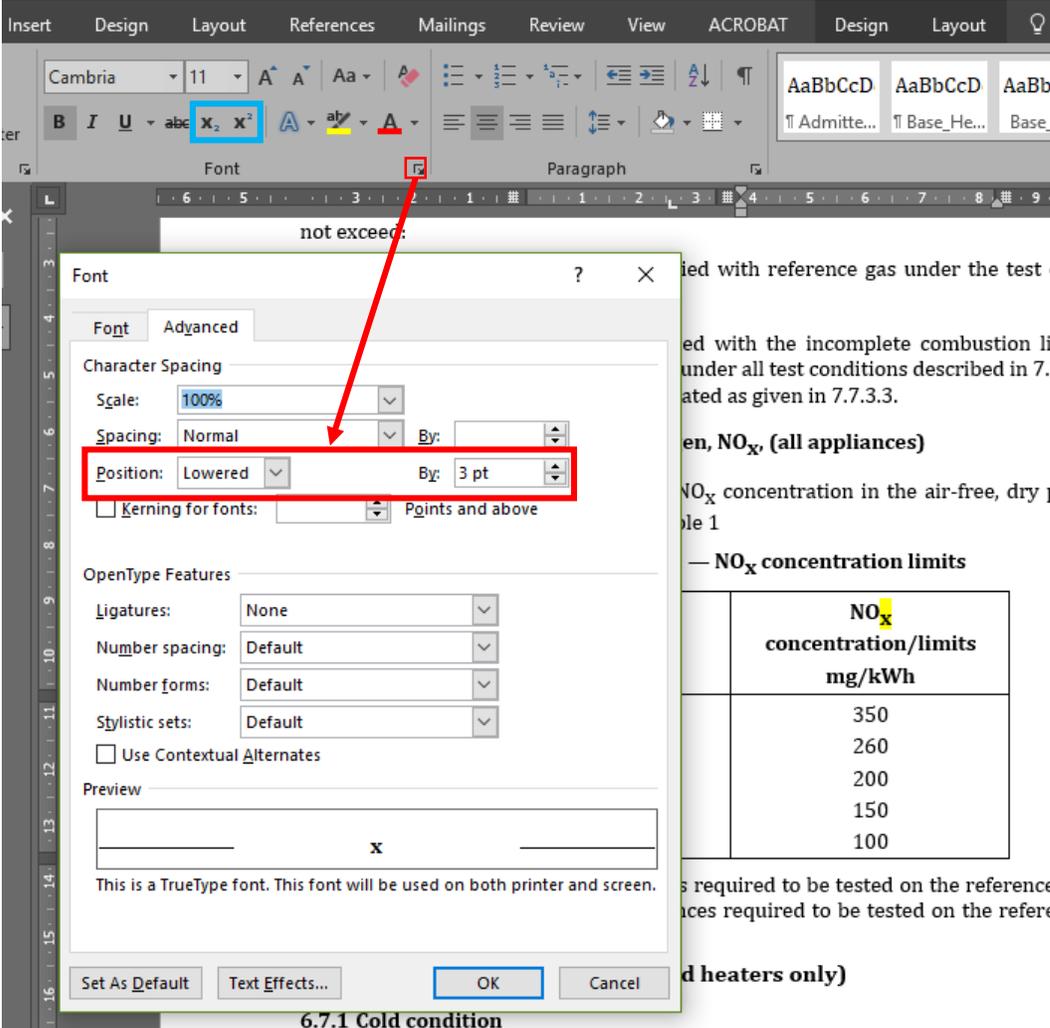
# Tables (4)

## ▶ Superscript/Subscript vs Raised/Lowered

- ▶ Either to be used – not both
- ▶ If both → errors in XML
- ▶ Time consuming to fix

## ▶ Only use a, b, c; not \*

Either Subscript/superscript  
OR  
Raised/lowered by 3pts  
NOT BOTH!



The screenshot shows the Microsoft Word interface with the Font dialog box open. The 'Position' dropdown is set to 'Lowered' and is highlighted with a red box. A red arrow points from the 'x, x²' button in the Font ribbon to the dialog box. The dialog box also shows 'By: 3 pt' and 'Kerning for fonts: Points and above'. The preview shows the character 'x' lowered.

6.7.1 Cold condition

NO <sub>x</sub> concentration/limits mg/kWh
350
260
200
150
100

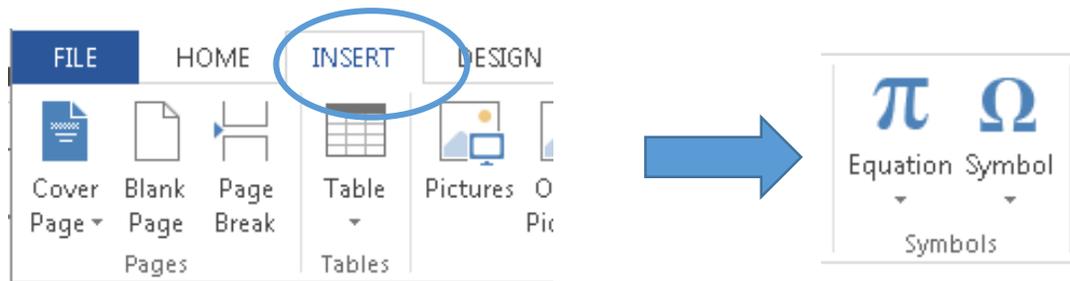
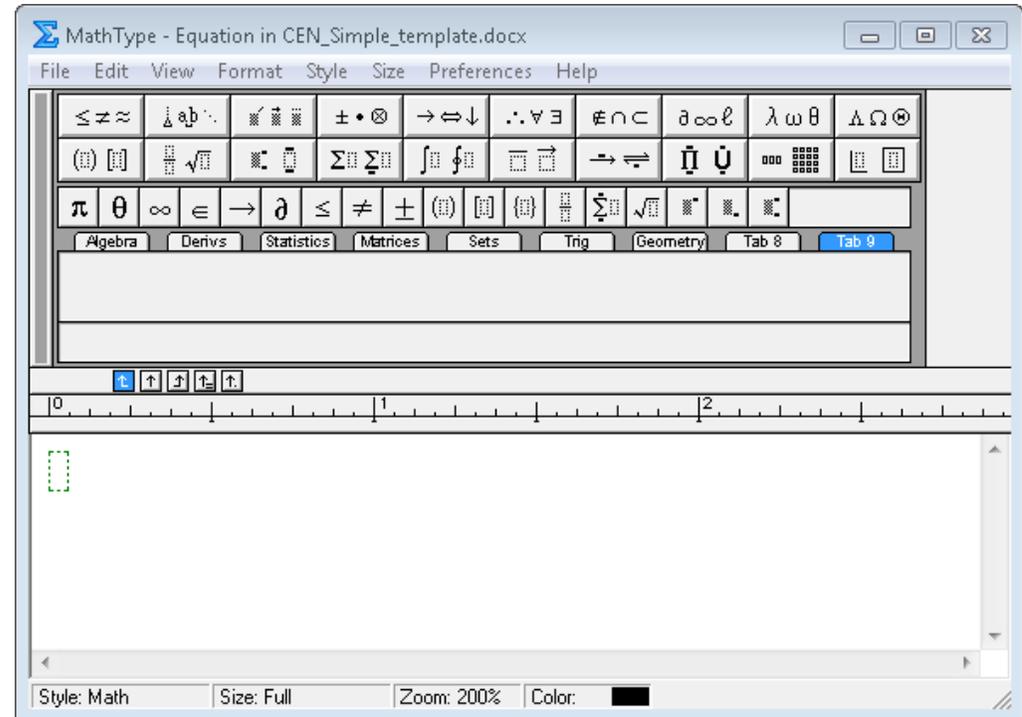
# Tables (5)

- ▶ Avoid long cells → can create unstable XML
- ▶ Avoid splitting/merging cells
  - ▶ see guidance on hiding borders
- ▶ Vertical text is acceptable for readability purposes
- ▶ Black/dark text on white/light cell backgrounds only
  - ▶ white text is not supported by XML
- ▶ Don't split cells diagonally
- ▶ No images as tables → have to be editable (except flowcharts)

# Formulae (1)

- ▶ To avoid errors during editing:
  - ▶ MathType (required for XML)

- ▶ If not possible
  - => Equation Builder in Word
  - be aware: possible errors
  - when converting to MathType



# Formulae (2)

- ▶ The Simple templates have a Formula style that allows use of a tab between formula and number
- ▶ No need to put formulae in tables for layout purposes!
- ▶ Where possible, use the keyboard

a2

**A.4 Examples of formulae**

Formula  $A + B = C$  (1)

Body Text where

A	is ... ;
B	is ... ;
C	is ... .

Body Text

Body Text

Formula 
$$D_1 = 5,77 \times 10^{-13} \frac{C_1 \rho_1}{4\pi} \sum \gamma_i \left( \frac{\mu_{en}}{\rho} \right) E_i \int B_i(1) \frac{e^{-\mu_i(1)s_1}}{\ell^2} dV$$
 (2)

■ The trueness of the method shall be evaluated to investigate the potential for bias in the method.¶  
The method bias b can be estimated by comparing the mean of analytical results  $\bar{x}$  (with uncertainty  $u_{\bar{x}}$ ) with the assigned value  $x_{av}$  (uncertainty  $u_{av}$ ) ¶

[NOTE to the drafter: For simple formulae, the keyboard can be used. For more complex formulae, it is recommended to use a Word equation tool, such as MathType.]

# Formulae (3)

- ▶ Formula explanations/keys laid out in table
- ▶ Should be styled Table Body
  - ▶ No MathType in first cell → add an empty column to the left
  - ▶ Corrupted document

where

$D_{EQ}$	is equilibrium cant (mm)
$q_E$	= 11,8 mm·m·h <sup>2</sup> /km <sup>2</sup> for 1 435 mm nominal track gauge (assuming a base measurement for cant of 1 500 mm), and
$q_E$	= 8,3 mm·m·h <sup>2</sup> /km <sup>2</sup> for 1 000 mm nominal track gauge (assuming a base measurement for cant of 1 060 mm).

# Citations (1)

- ▶ Normative references
  - ▶ Ensure they're actually normatively referenced
  - ▶ Specific rules on dated vs undated references
- ▶ All tables, figures and annexes shall be referred to in the text
  - ▶ simply: 'see figure/table/annex'
- ▶ Clause references:
  - ▶ 'see clause 4' (no need to add the (sub)clause title)
  - ▶ 'see 4.1' instead of 'see clause 4.1' → allows our tools to work
  - ▶ automatic numbering/fieldcodes → **remove before submission**
    - ▶ highly error-prone with processing
    - ▶ fieldcode links usually broken → errors to be manually deleted → time consuming

# Citations (2)

- ▶ Bibliographic references
  - ▶ square brackets with number: [1]
  - ▶ not obligatory, purely optional
  
- ▶ Layout in body of text is important:
  - ▶ EN 1234-5:2020 – no spaces in number or date
  - ▶ CLC/TR 1234-5:2020

# IR3 – Key points

# Foreword (1)

## ► CEN

### European foreword

This document (prEN XXXX:XXXX) has been prepared by Technical Committee CEN/TC XXX "Title", the secretariat of which is held by XXX.

This document is currently submitted to the CEN 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 mandate given to CEN by the European Commission and the European Free Trade Association, and supports essential requirements of EU Directive(s).**

**For relationship with EU Directive(s), see informative Annex ZA, which is an integral part of this document.**

For candidate harmonized  
European Standards

## ► CENELEC

### European foreword

This document [CLC standard reference] has been prepared by CLC/TC/SR/SC **XX** "Title".

This document is currently submitted to the Enquiry/ Primary Questionnaire.

The following dates are proposed:

- latest date by which the existence of this document has to be announced at national level (d<sub>oa</sub>) d<sub>or</sub> + 6 months
- latest date by which this document has to be implemented at national level by publication of an identical national standard or by endorsement (d<sub>op</sub>) d<sub>or</sub> + 12 months
- latest date by which the national standards conflicting with this document have to be withdrawn (d<sub>ow</sub>) d<sub>or</sub> + 36 months (to be confirmed or modified when voting)

This document will supersede      and all of its amendments and corrigenda (if any).

EN XXX:YYYY includes the following significant technical changes with respect to EN XXX:YYYY:

For candidate harmonized European Standards

This document has been prepared under a mandate given to CENELEC by the European Commission and the European Free Trade Association, and supports essential requirements of EU Directive(s).

For the relationship with EU Directive(s) see informative Annex ZZ, which is an integral part of this document.

# Foreword (3)

- ▶ Do not forget (when applicable):
  - ▶ Superseding note
  - ▶ List of technical changes
  - ▶ Relationship of the document to other documents or parts in the series
  
- ▶ No requirements, permissions or recommendations

# Clause 1: Scope

- ▶ Mandatory element
- ▶ Defines subject of the document and the aspects covered
- ▶ No requirements, recommendations or permissions
  - ▶ Shall be worded as a series of statements of fact

Forms of expression such as the following shall be used:

"This document

- specifies { the dimensions of ..."  
a method of ..."  
the characteristics of ..."
- establishes { a system for ..."  
general principles for ..."
- gives guidelines for ..."
- defines terms ..."

Statements of applicability of the document shall be introduced by wording such as:

- "This document is applicable to ..."
- "This document does not apply to..."

# Clause 2: Normative References

- ▶ Mandatory element (even if empty)
  - ▶ Introductory wording

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.

There are no normative references in this document.

- ▶ No subdivision of Clause 2
  - ▶ However, the clause can be organised how you'd like
- ▶ Verbal forms for normative referencing
- ▶ IR3, Clause 15 for more in-depth information

# Clause 3: Terms and Definitions

- ▶ Mandatory element (even if empty)
  - ▶ Introductory wording

For the purposes of this document, the terms and definitions given in [external document reference xxx] and the following apply.

ISO and IEC maintain terminological databases for use in standardization at the following addresses:

- IEC Electropedia: available at <http://www.electropedia.org/>
- ISO Online browsing platform: available at <http://www.iso.org/obp>

No terms and definitions are listed in this document.

ISO and IEC maintain terminological databases for use in standardization at the following addresses:

- IEC Electropedia: available at <http://www.electropedia.org/>
- ISO Online browsing platform: available at <http://www.iso.org/obp>

- ▶ Clause can be split into different sections if necessary
- ▶ If terms are taken from external sources, this can be cited
  - ▶ [SOURCE EN XXXX:YYYY, 3.1]

# Clause 3: Terms and Definitions

## ▶ Definitions:

- ▶ Shall be drafted to directly replace the term in the text
- ▶ Cannot begin with any article (a, an, the)
- ▶ Shall not contain any requirements

## ▶ Notes to terms

- ▶ Note x to entry, where 'x' is the number
- ▶ Shall always be numbered, even if there is only 1
- ▶ **CAN** contain requirements, recommendations and permissions
- ▶ restart numbering in each term

# Notes (1)

- ▶ IR3, Clause 24
  - ▶ Notes provide additional information
  
  - ▶ Not allowed:
    - ▶ requirements (shall) or any information considered indispensable for the use of the document
    - ▶ recommendations (should)
    - ▶ permissions (may)
- = > Should be written as statement of fact

"Each label shall have a length of between 25 mm and 40 mm and a width of between 10 mm and 15 mm.

NOTE The size of the label was chosen so that it will fit most sizes of syringe without obscuring the graduation marks."

# Notes (2)

## ▶ Different rules for:

### ▶ Notes to entry

- ▶ Provide additional information that supplements the terminological data
- ▶ May contain requirements/recommendations/permissions

#### **3.5.8**

#### **colour retention**

degree of permanence of a colour

Note 1 to entry: Colour retention can be influenced by weathering.

## ▶ Footnotes to figures/tables

- ▶ May contain requirements

**NOTE** Figure # illustrates a type A rivet head.

<sup>a</sup> The break area shall be milled.

<sup>b</sup> The mandrel head is commonly chromium plated.

**Figure 5 – Example illustrating the elements of a figure**

# Verbal forms (1)

- ▶ IR3, Clause 7
  
- ▶ Use of verbal forms for a clear distinction between:
  - ▶ Requirements
  - ▶ Recommendations
  - ▶ Permissions
  - ▶ Possibilities & capabilities

# Verbal forms (2)

## ► Requirements

- Preferred verbal form is “shall (not)”

### EXAMPLE 1

Connectors shall conform to the electrical characteristics specified by IEC 60603-7-1.

- Imperative mood (procedures, test methods)

### EXAMPLE 2

Switch on the recorder.

- ≠ “must” → external constraint

EXAMPLE 1 Particular conditions existing in a country:

Because Japan is a seismically active country, all buildings must be earthquake-resistant.

EXAMPLE 2 A law of nature:

All fish must maintain a balance of salt and water in their bodies to stay healthy

# Verbal forms (3)

## ▶ Recommendations

- ▶ Preferred verbal form is “should (not)”

### EXAMPLE

Wiring of these connectors should take into account the wire and cable diameter of the cables defined in IEC 61156.

## ▶ Permissions

- ▶ Preferred verbal form is “may (not)”

### EXAMPLE 1

IEC 60512-26-100 may be used as an alternative to IEC 60512-27-100 for connecting hardware that has been previously qualified to IEC 60603-7-3:2008.

- ▶ Do not use “(im)possible” or “can” in this context

# Verbal forms (4)

- ▶ Possibilities and capabilities
  - ▶ Preferred verbal form is “can(not)”

## EXAMPLE 1

Use of this connector in corrosive atmospheric conditions can lead to failure of the locking mechanism.

## EXAMPLE 3

Only the reverse calculation approach given in E.3 can be used for calculated energy performance.

- ▶ Do not use “may” in this context

# Hanging Paragraphs

▶ Paragraph between a heading 1 and a heading 2

▶ Impossible to refer to



▶ Editors will remove these systematically

▶ Exception to the rule – apparatus/reagents clauses, Clause 3

# Directives/Legislation

- ▶ Normative references to legislation/directives **NOT ALLOWED**
- ▶ Standards are not legally binding – directives/legislation are
- ▶ Instead:
  - ▶ Copy/paste any applicable requirements into the standard and give the directive as a source, in a note
  - ▶ Use statements of fact when referring to directives/legislation
- ▶ Normative references to directives/legislation will cause delays in publication until they're resolved
- ▶ If in doubt, contact CCMC directly.

# Conformity Assessment



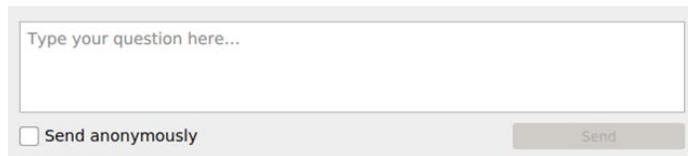
► Normative references cannot be made to any of the standards on Conformity Assessment:

- [EN ISO/IEC 17025](#) Testing and calibration laboratories (1st, 2nd, 3rd party)
- [EN ISO/IEC 17020](#) Inspection bodies (1st, 2nd, 3rd party)
- [EN ISO/IEC 17029](#) (under development) Validation/verification bodies (1st, 2nd, 3rd party)
- [EN ISO/IEC 17024](#) Certification bodies for persons (3rd party)
- [EN ISO/IEC 17021-1](#) Certification bodies for management systems (3rd party)
- [EN ISO/IEC 17065](#) Certification bodies for products, services, processes (3rd party)
- [EN ISO/IEC 17050](#) Supplier's declaration of conformity (1st party)

► As this section is large and detailed, get in touch with CCMC for further information

# Question time

▶ Use the Q&A panel to submit your questions



Type your question here...

Send anonymously

Send



**European Standardization Organizations**

# Thank you for your participation!

Series of webinars for standards drafters 2020: Available [here](#).

2020-12-01 - [Webinar: European standards addressing material efficiency aspects](#)

2020-12-10 - [Annual training session for newly appointed CEN & CENELEC Technical Body Officers](#)