

# Europeiske Standarder for vannbaserte slokkesystemer



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# Who is CEN ?

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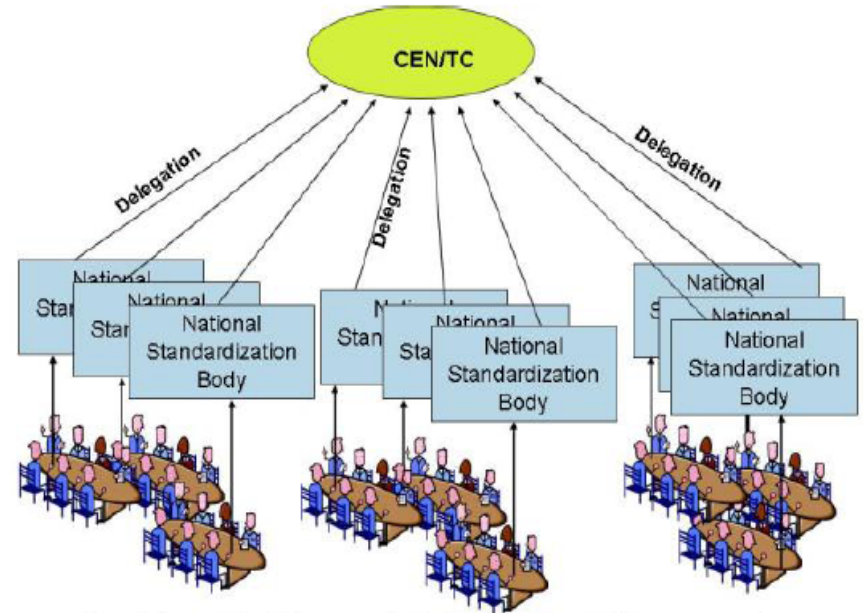
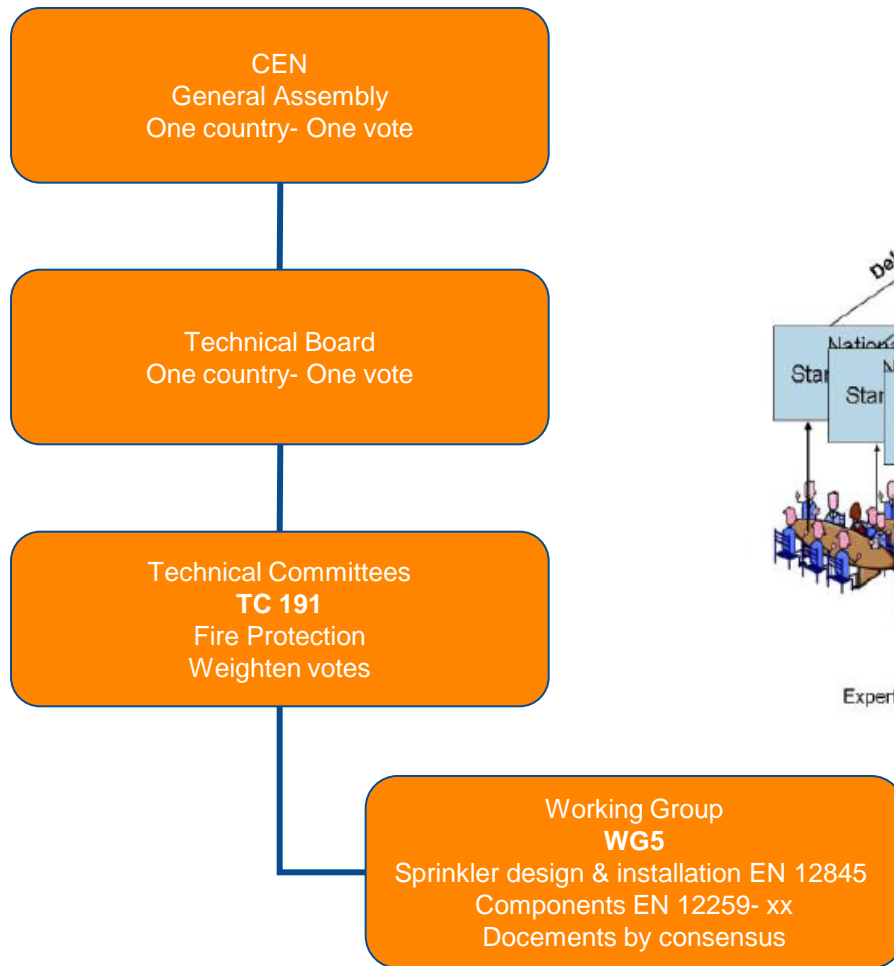
The National Standard Bodies of the 27 EU countries and the 3 EFTA countries compose CEN National membership.

The National Members:

- Make up the delegations to the technical committees by finding experts from each country.
- Vote, and implement European Standard as national standards.
- Provide the secretariates for the committees
- Finance more than 50% of the work
- In turn they are largely financed by the industry, sales of standards and government grants.



# Who is CEN ?



Experts in a specific field representing: industry, trade associations, government, consumers, academia, customers, certification bodies ...



# Standards and Technical Specifications

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- EN 12259- xx: Sprinkler components
  - 1: Sprinklers
  - 2: Wet alarm valve
  - 3: Dry alarm valve
  - 4: Water Motor Gong
  - 5: Water flow switch
  - 6: Pipe Couplings
  - 7: Pipe Hangers- No standard. Covered by EN 12845.
  - 8: Pressure Switch
  - 9: Deluge valve
  - 10: Open
  - 11: Open
  - 12: Pumps
  
- EN12845, Design, Installation and Maintenance

# Standards and Technical Specifications

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TS 14816: Water Spray Systems

Not a Standard but a TS.

TS 14972: Water Mist Systems

Not a Standard but a TS.

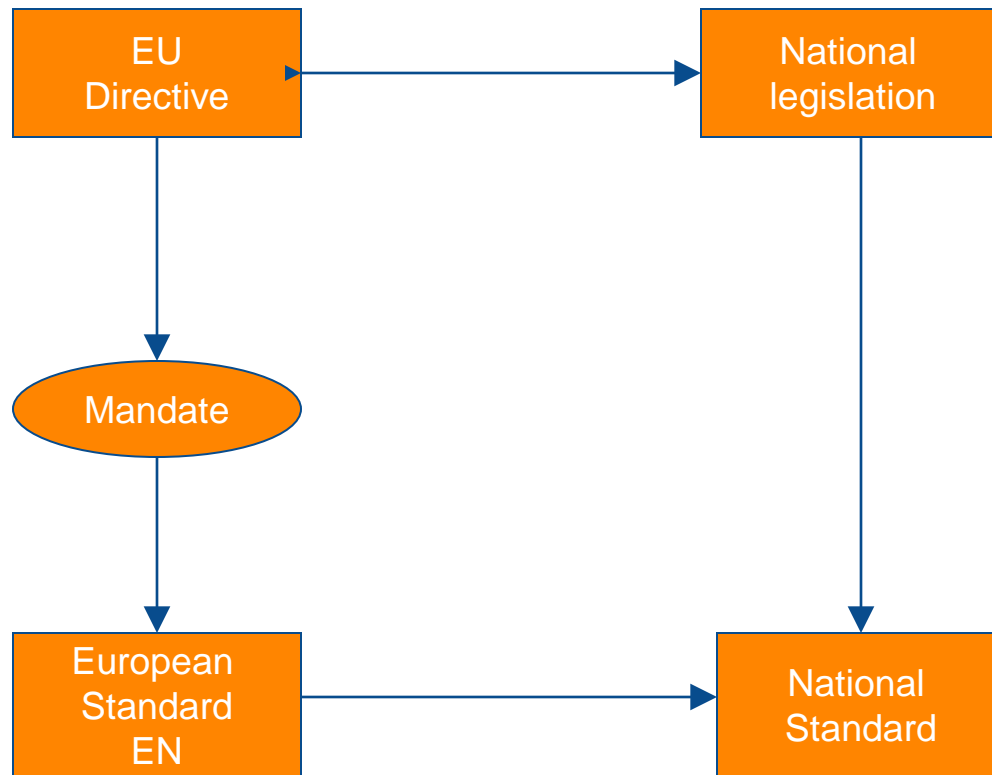
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TS lives for 2 x 3 years.

Will be withdrawn if it not becomes a Standard.

# EU Directives and harmonized Standards

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# EU Directives – Annex ZA

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- A harmonized Standard will have a Annex ZA which gives the requirements for de CE- marking.
- Annex ZA was withdrawn from EN12845 as a part of Amendment 1.

# What is CE marking about?

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Any product bearing the **CE** mark meets *all* the appropriate provisions of the *relevant* legislation implementing certain European Directives.

CE Marking allows *easy* access to the European Market without adaption or rechecking.

# What we all know about CE

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- Only if product is under a Directive
- Only if a *harmonised standard* exists
- Only if harmonised standard applies
- May involve a *Notified Body*
- It is *not* a *Quality Mark*

# Who are the Notified Bodies?

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- Organisations who help manufacturers to apply the CE mark.
- 2000 NBs in EU member states.
- Cover all Directives or parts of them.

# CE for fire protection...

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- Construction Products Directive (CPD)
- *Some* harmonised standards exist
- *Some* harmonised standards apply

If the design of your product is not covered – don't CE mark *but* have to meet National rules.

# EU Directives – Harmonised Standards

<input type="checkbox"/> <a href="#">EN 12259-1:1999 + A1:2001</a>	EN 12259-1:1999 + A1:2001 - Fixed firefighting systems - Components for sprinkler and water spray systems - Part 1: Sprinklers	01/04/2002	01/09/2005
<input type="checkbox"/> <a href="#">EN 12259-1:1999+A1:01/A2:04</a>	EN 12259-1:1999+A1:01/A2:04 - Fixed firefighting systems components for sprinkler and waterspray systems - Part 1:Sprinklers	01/03/2005	01/03/2006
<input type="checkbox"/> <a href="#">EN 12259-2:1999/A1:2001</a>	EN 12259-2:1999/A1:2001 - Fixed firefighting systems - Components for sprinkler and water spray systems - Part 2: Wet alarm valve assemblies	01/01/2002	01/08/2007
<input type="checkbox"/> <a href="#">EN 12259-2:1999/A2:2005</a>	EN 12259-2:1999/A2:2005 - EN 12259-2:1999/A2:2005 - Fixed firefighting systems - Components for sprinkler and water spray systems - Part 2: Wet alarm valve assemblies	01/09/2006	01/08/2007
<input type="checkbox"/> <a href="#">EN 12259-2:1999/AC:2002</a>	EN 12259-2:1999/AC:2002 - Fixed firefighting systems - Components for sprinkler and water spray systems - Part 2: Wet alarm valve assemblies	01/06/2005	01/06/2005
<input type="checkbox"/> <a href="#">EN 12259-3:2000/A1:2001</a>	EN 12259-3:2000/A1:2001 - Fixed firefighting systems - Components for sprinkler and water spray systems - Part 3: Dry alarm valve assemblies	01/01/2002	01/08/2007
<input type="checkbox"/> <a href="#">EN 12259-3:2000/A2:2005</a>	EN 12259-3:2000/A2:2005 - EN 12259-3:2000/A2:2005 - Fixed firefighting systems - Components for automatic sprinkler and water spray systems - Part 3: Dry alarm valve assemblies	01/09/2006	01/08/2007
<input type="checkbox"/> <a href="#">EN 12259-4:2000/A1:2001</a>	EN 12259-4:2000/A1:2001 - Fixed firefighting systems - Components for sprinkler and water spray systems - Part 4: Water motor alarms	01/01/2002	01/04/2004
<input type="checkbox"/> <a href="#">EN 12259-5:2002</a>	EN 12259-5:2002 - Fixed firefighting systems - Components for sprinkler and water spray systems - Part 5: Water flow detectors	01/07/2003	01/09/2005

# EN 12845

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- Fixed firefighting systems — Automatic sprinkler systems - Design, installation and maintenance
- The document (EN 12845:2004) has been prepared by Technical Committee CEN/TC 191, "Fixed fire fighting systems", the secretariat of which is held by BSI.
- This European Standard was given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by March 2005, and conflicting national standards shall be withdrawn at the latest by September 2007.

# EN 12845 - Future changes

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- 1st & 2nd amendment approved and EN12845 issued April 2009
- 3rd amendment required and ongoing. Mostly editorial changes.
- Working on first revision which will include:
  - a) Control Mode Special Application (CMSA) Sprinklers
  - b) Extended Coverage (EC) sprinklers
  - c) Early Suppression Fast Response (ESFR) sprinklers
  - d) Volume of dry systems to be deleted. Discharge time at most remote sprinkler to be used.
  - e) Pre- calculated system to be deleted or just informative annex.

Expected to be at final vote in 2011

# EN 12259 - XX

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## Part 1 – Sprinklers

This standard has been issued and is mandated.

We have already had a corrigendum and 2 amendments incorporated.

More work is now necessary for correction purposes and to include components in use such as ESFR sprinklers. Clauses are being drafted by the Rules Panel for these systems to be included in 12845 and therefore the component work is urgent.

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## Part 2- Wet Valves

## Part 3 – Dry Valves

These documents have been issued and are mandated.

Amendments have already been incorporated as required by manufacturers. Further work is imminent to consider recommendations from users to correct purported errors.

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## Part 4 – Water Motor Alarms

This document has been issued and is mandated.

## Part 5 – Water Flow Detectors

This document has been issued and is mandated. An extensive list of recommended changes has been received from a manufacturer and these are awaiting consideration.

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## Part 9 - Deluge Valves

Work on this Standard has been proceeding over 5 years, and still continues. After “guidance“ from CEN the document was revised to comply, submitted to enquiry and all responses dealt with. It was then sent to CEN to issue for the final vote. A 42 page document of further corrections needed by CEN was then received. These have been dealt with apart from those recommendations which are causing confusion, and we have asked for a meeting with the Consultant which is due to take place at the next Component Panel meeting.

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## Part 10 – Multiple controls

This document has been withdrawn from the CEN list due to very limited applications.

## Part 11 – Medium and High Velocity Water sprayers

The Components Panel has asked for this document to be withdrawn from the CEN list due to a wide range of variables which are manufacturer specific. The system document has been withdrawn as a Standard and is now a Technical Report.

## Part 12 - Sprinkler Pumps

A sub-committee of the Components Panel (chaired by John Stephens) has been producing a draft for consideration by the Components Panel. Problems have been encountered relative to clauses and proposed clauses in EN 12845 and a discussion between interested parties is to follow the WG5 meeting to attempt resolution.

**tyco** *Fire Suppression  
& Building Products*

**Spørsmål ?**

