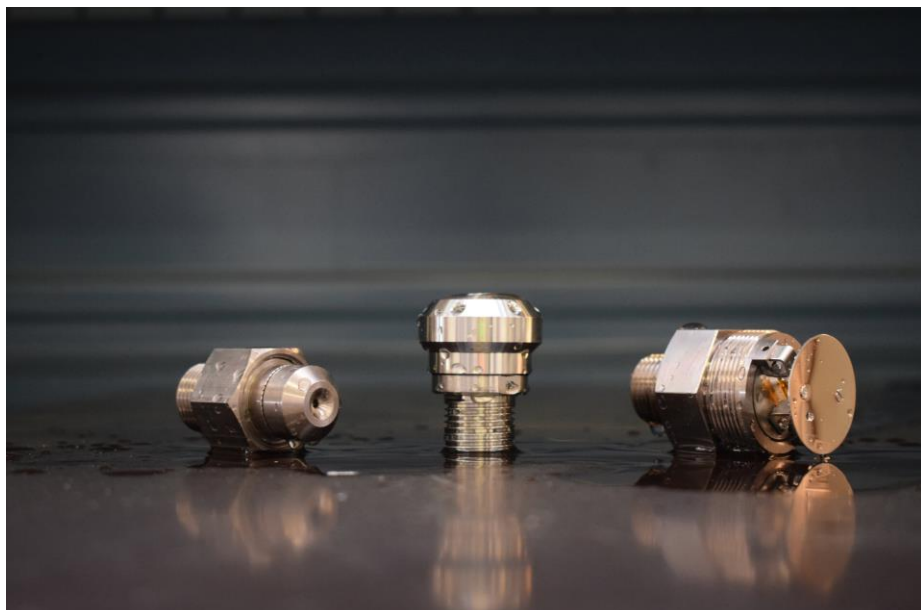




Update on EN 14972-1:2020



Presenter: A. Palle

Event: IWMC 2021, Warsaw

Date: 27/10 2021

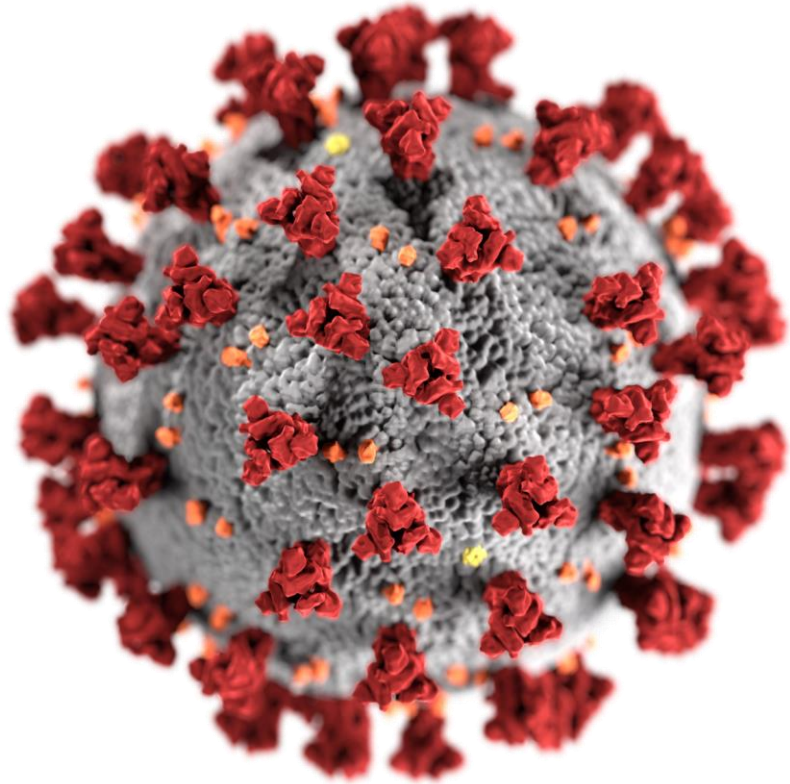
What I presented 2 years ago in Berlin at the IWMC 2019

prEN14972 becomes EN14972 mid 2020
if formal vote is “yes” and the +500 comments
are treated before end of 2019.

“Update on prEN14972” – IWMC 2019, Oct, Berlin



Work took a little longer than expected



But...

Mid 2020 the EN14972-1:2020 became a reality and the member countries was told to implement nationally before June 30th 2021.

So finally after so 22 years it's a fact – its here and its available!

DS/EN 14972-1:2020

EUROPEAN STANDARD **EN 14972-1**

NORME EUROPÉENNE

EUROPÄISCHE NORM December 2020

ICS 13.220.20 Supersedes CEN/TS 14972:2011

English Version

**Fixed firefighting systems - Water mist systems - Part 1:
Design, installation, inspection and maintenance**

Installations fixes de lutte contre l'incendie -
Systèmes à brouillard d'eau - Partie 1 : Conception,
installation, inspection et maintenance


Ortsfeste Brandbekämpfungsanlagen -
Feinsprüh-Löschanlagen - Teil 1: Planung,
Einbau, Inspektion und Wartung

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Bonus info

Understanding EN14972 part 1

Technology	Main standard (the general information)	Fire test protocols	Manufacturers unique information	System Component test protocols
Watermist	EN14972 part 1	EN14972 part 2-17 (more parts will come in the future)	DIOM manual (design, installation, operation and maintenance manual)	EN17450 series
Sprinkler	EN12845		Datasheet and/or manual	EN12259 series

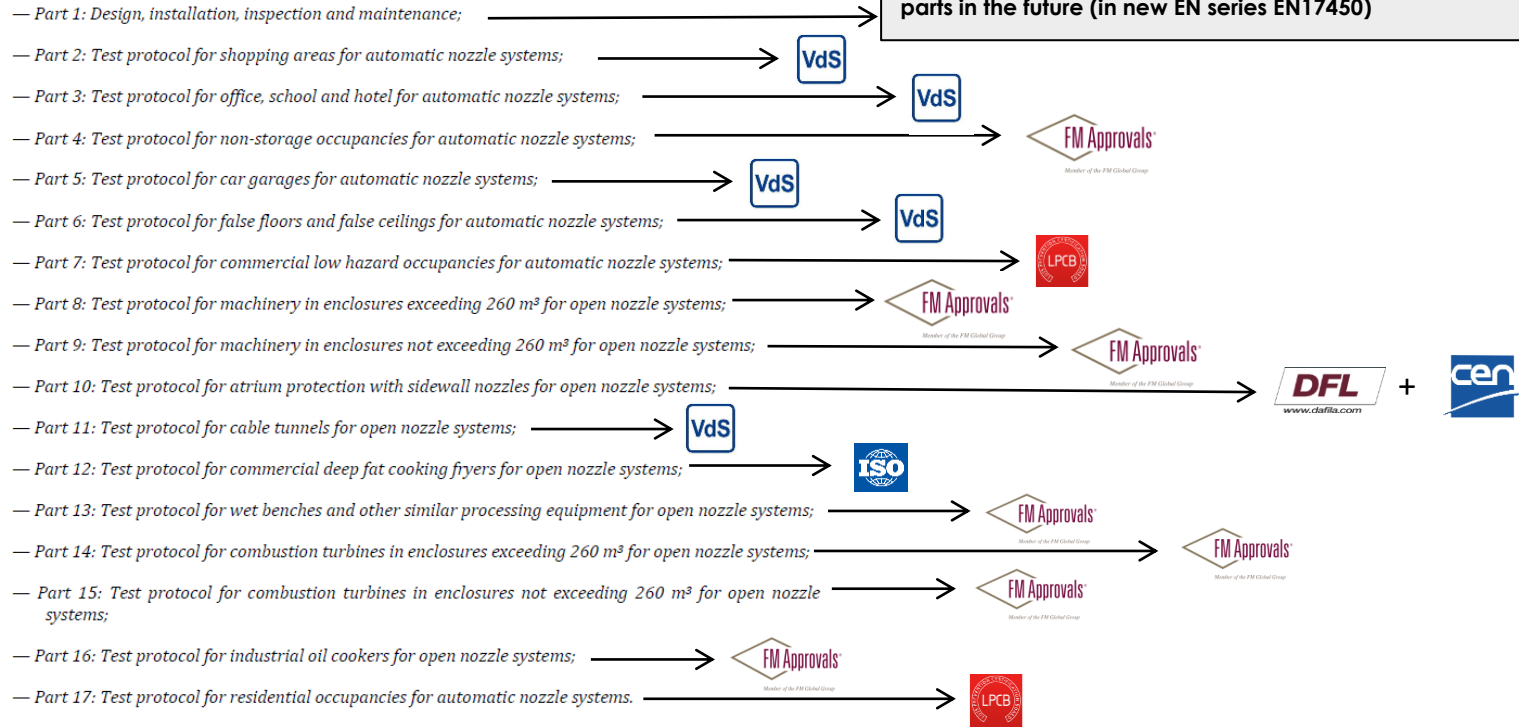
Understanding EN 14972 part 2-17

Overall information covering all system

Specific system design parameters are found through successful testing (to part 2-17). More protocols / parts will be issued in the future. Missing applications can be covered with EN14972 annex A

Specific requirements for WM component such nozzles, valves, pumps, etc. will be issued in new parts in the future (in new EN series EN17450)

EN 14972, Fixed firefighting systems — Water mist systems consists of the following parts:



- EN 17450 part 1-X: Requirements for watermist components such as nozzles, valves, filters/strainers, pumps → **VdS** **FM Approvals** **LPCB** **cen**

The next CEN work

Part Number	Document type	Scope	Status Aug. 2021	Estimated time
EN 14972 part 1	Design, installation, inspection and maintenance	Buildings	Finished and implemented June. 2021	>3 years
EN 14972 part 2	Fire test protocol	Shopping and sales areas	Waiting for "Working item"	<3 years
EN 14972 part 3	Fire test protocol	Office, school and hotel	Finished and implemented Aug. 2021	<2 years
EN 14972 part 4	Fire test protocol	Non storage occupancies	Waiting for "Working item"	<1 year
EN 14972 part 5	Fire test protocol	Car garage	Waiting for "Working item"	<½ year
EN 14972 part 6	Fire test protocol	False floor and ceiling	Registered as active working item.	Ready
EN 14972 part 7	Fire test protocol	Commercial low hazard occupancies	Registered as active working item.	
EN 14972 part 8	Fire test protocol	Machinery enclosures>260m ³	Finished and implemented Jan. 2020	
EN 14972 part 9	Fire test protocol	Machinery enclosures<260m ³	Finished and implemented Jan. 2020	
EN 14972 part 10	Fire test protocol	Atrium	Formal 2nd vote in progress	
EN 14972 part 11	Fire test protocol	Cable tunnels	Registered as active working item.	
EN 14972 part 12	Fire test protocol	Commercial deep fat fryers	Waiting for "Working item"	
EN 14972 part 13	Fire test protocol	Wet benches and similar processing equipment	Waiting for "Working item"	
EN 14972 part 14	Fire test protocol	Combustion turbine enclosures>260m ³	Finished and implemented Sep. 2021	
EN 14972 part 15	Fire test protocol	Combustion turbine enclosures<260m ³	Finished and implemented Sep. 2021	
EN 14972 part 16	Fire test protocol	Industrial Oil cookers	Finished and implemented Aug. 2019	
EN 14972 part 17	Fire test protocol	Residential and domestic occupancies	Registered as active working item.	
18-X	New fire test protols	N.A.		
EN 17450 series	Component test protocol	Nozzles	Publication in process.	
EN 17450 series	Component test protocol	Check valves	Waiting for "Working item"	
EN 17450 series	Component test protocol	Control deluge valves and actuator	Waiting for "Working item"	
EN 17450 series	Component test protocol	Pressure switches	Waiting for "Working item"	
EN 17450 part 1	Component test protocol	Strainer and wire mesh	Finished and implemented Feb. 2021	
EN 17450 series	New component test protocol	N.A.		

Note: above timeline is an estimate.

Future CEN work

Work on implementing more well-proven test methods that creates value in the market. Examples of such could be:

- VdS OH1 sidewall nozzle test method.
- FM HC2 and HC3
- FM Local application
- Etc.

Note: Anyone will be able to suggest new test methods to CEN.

Thank you



Questions or comments can be sent to
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