

Update on prEN14972

By Alex Palle, CEO of VID Fire-Kill

"Update on prEN14972" – IWMC 2019, Oct, Berlin



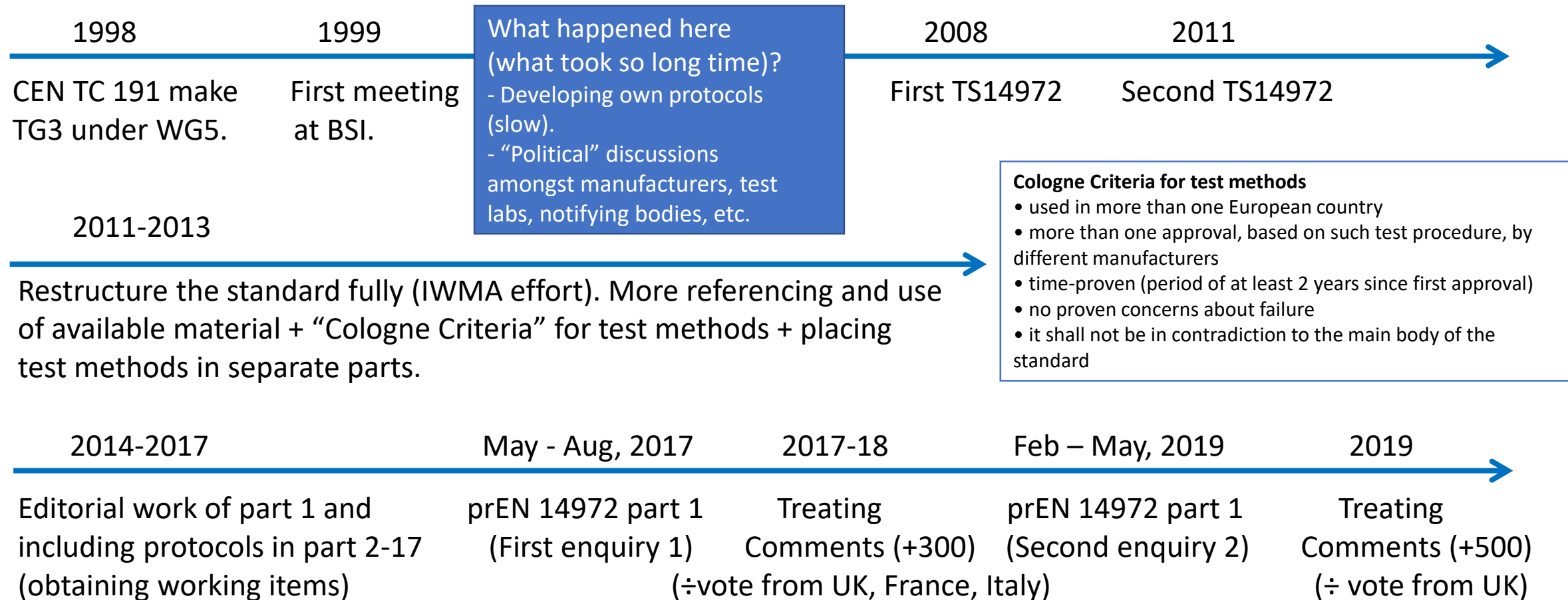
Agenda

1. Background / history of prEN14972
2. The format of prEN14972
3. The status of prEN14972
4. Next steps / when does prEN14972 become EN14972

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1. The background / history of prEN14972



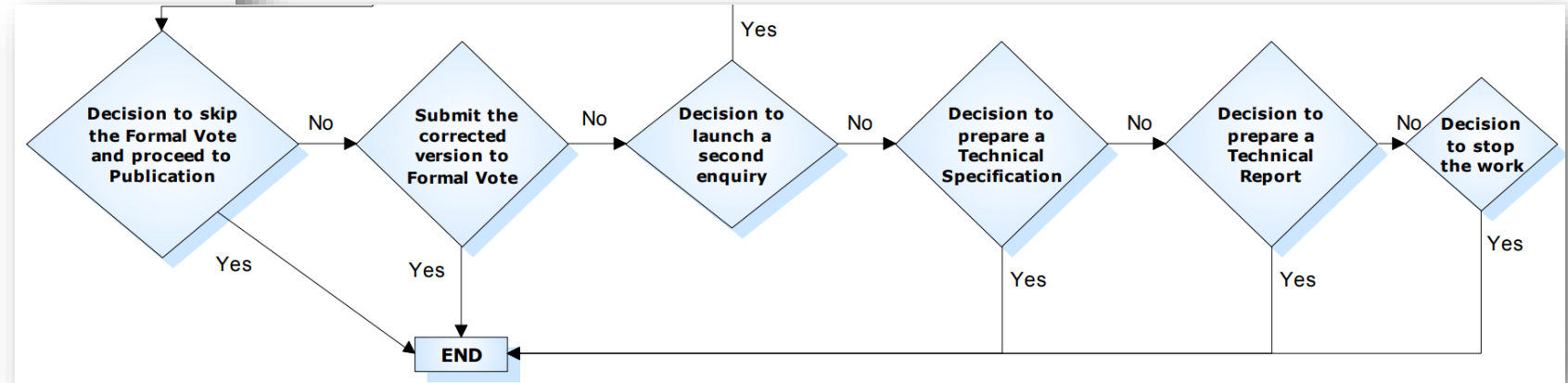
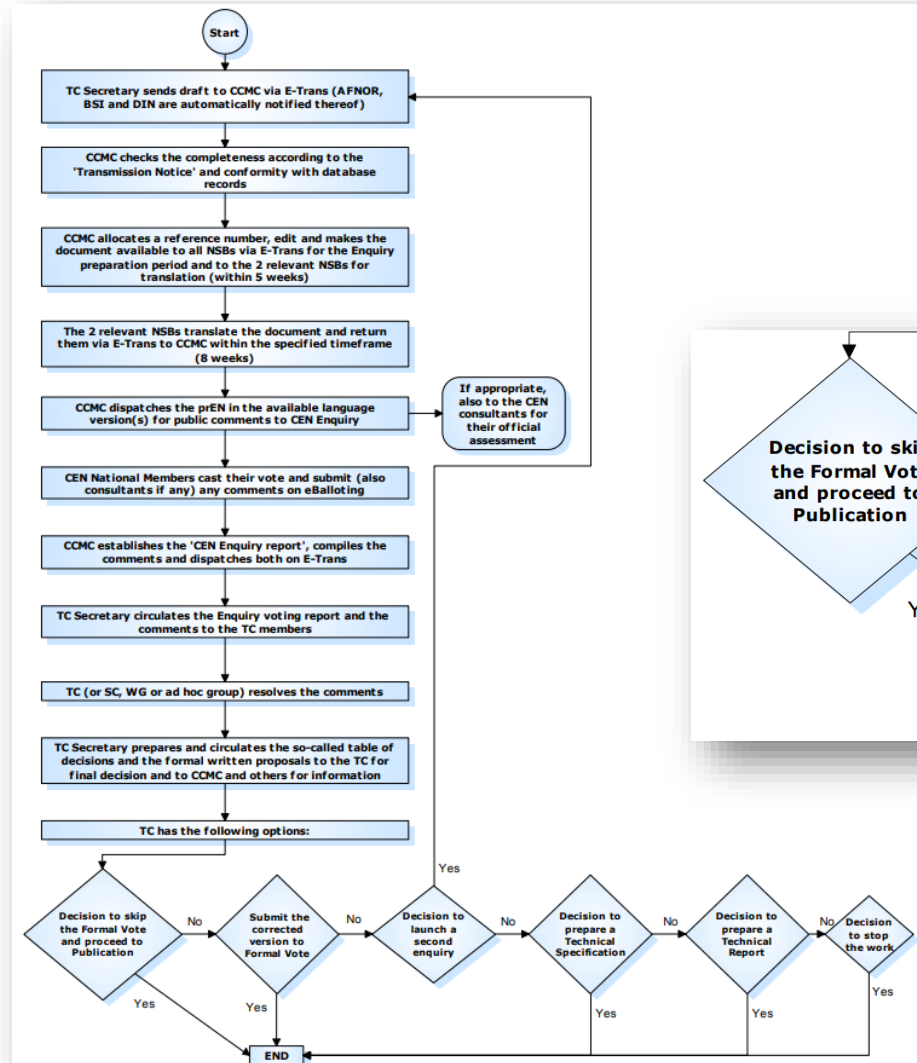
(from 2017-2019 work also was performed on WM component requirements)

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Enquire Flowchart

<https://boss.cen.eu/developingdeliverables/EN/Pages/Enq.aspx>



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2. The format of prEN14972

Overall information covering all system

Specific system design parameters is found through successful testing (to part 2-17). More protocols / parts will be issued in the future.

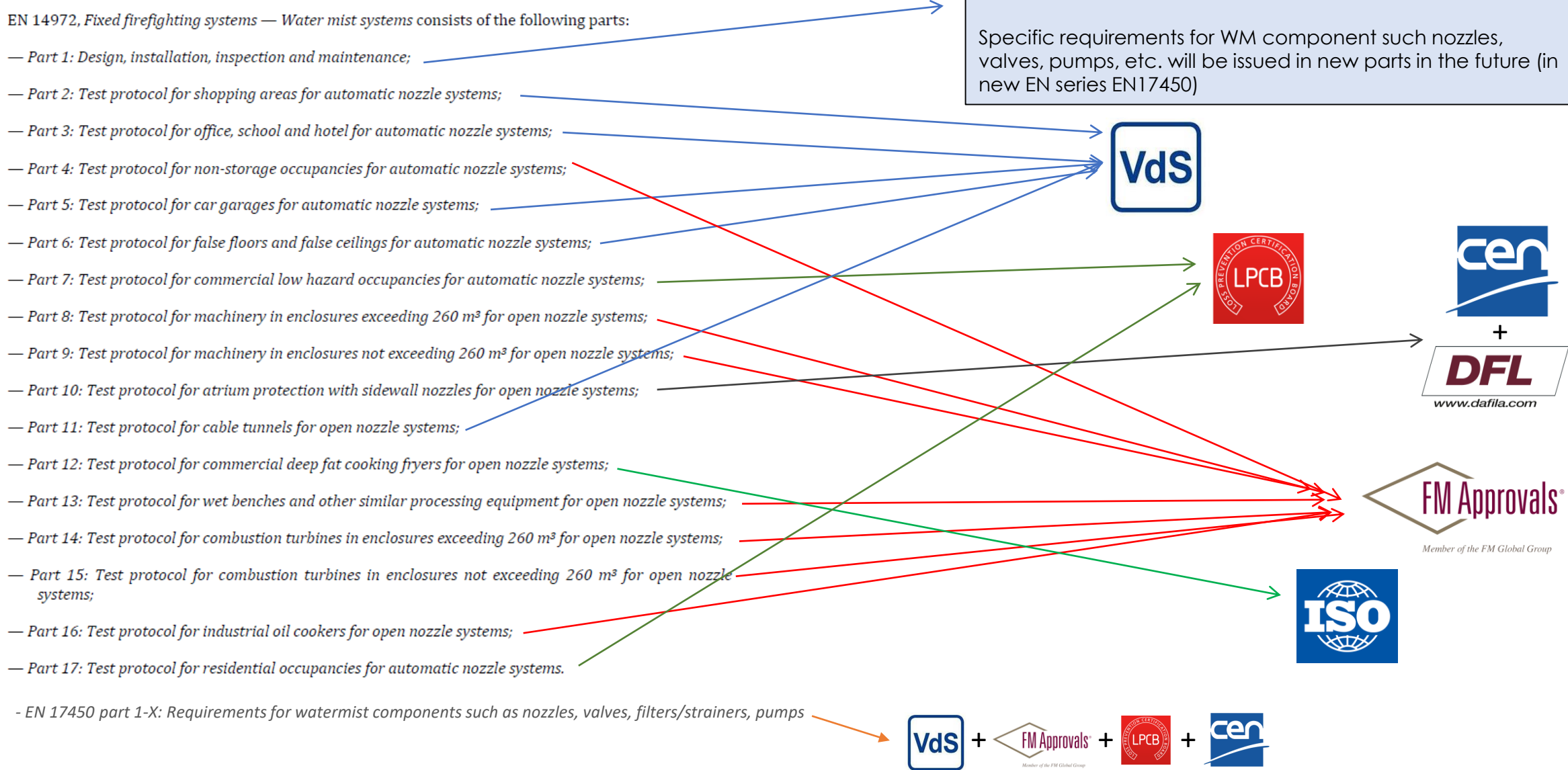
Specific requirements for WM component such nozzles, valves, pumps, etc. will be issued in new parts in the future (in new EN series EN17450)

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

- Part 1: Design, installation, inspection and maintenance;
- Part 2: Test protocol for shopping areas for automatic nozzle systems;
- Part 3: Test protocol for office, school and hotel for automatic nozzle systems;
- Part 4: Test protocol for non-storage occupancies for automatic nozzle systems;
- Part 5: Test protocol for car garages for automatic nozzle systems;
- Part 6: Test protocol for false floors and false ceilings for automatic nozzle systems;
- Part 7: Test protocol for commercial low hazard occupancies for automatic nozzle systems;
- Part 8: Test protocol for machinery in enclosures exceeding 260 m³ for open nozzle systems;
- Part 9: Test protocol for machinery in enclosures not exceeding 260 m³ for open nozzle systems;
- Part 10: Test protocol for atrium protection with sidewall nozzles for open nozzle systems;
- Part 11: Test protocol for cable tunnels for open nozzle systems;
- Part 12: Test protocol for commercial deep fat cooking fryers for open nozzle systems;
- Part 13: Test protocol for wet benches and other similar processing equipment for open nozzle systems;
- Part 14: Test protocol for combustion turbines in enclosures exceeding 260 m³ for open nozzle systems;
- Part 15: Test protocol for combustion turbines in enclosures not exceeding 260 m³ for open nozzle systems;
- Part 16: Test protocol for industrial oil cookers for open nozzle systems;
- Part 17: Test protocol for residential occupancies for automatic nozzle systems.



- EN 17450 part 1-X: Requirements for watermist components such as nozzles, valves, filters/strainers, pumps



3. The status of prEN14972

Part	Document type	Scope	status (oct. 2019)	estimated time
EN14972 part 1	Design, installation, inspection & maintenance	Buildings	Being prepared for formal vote	>3 years
EN14972 part 2	Fire test protocol	Shopping areas	Waiting for "Working Item"	< 3 years
EN14972 part 3	Fire test protocol	office, school & hotel	Being prepared for formal vote	< 2 years
EN14972 part 4	Fire test protocol	non-storage occupancies	Waiting for "Working Item"	< 1 years
EN14972 part 5	Fire test protocol	car garage	Waiting for "Working Item"	< 0.5 years
EN14972 part 6	Fire test protocol	false floor and ceiling	Waiting for "Working Item"	
EN14972 part 7	Fire test protocol	commercial low hazard occupancies	Being prepared for enquiry	
EN14972 part 8	Fire test protocol	machinery enclosures >260m3	Prepared for publication of standard	
EN14972 part 9	Fire test protocol	machinery enclosures <260m3	Prepared for publication of standard	
EN14972 part 10	Fire test protocol	Atrium	Being prepared for enquiry	
EN14972 part 11	Fire test protocol	cable tunnels	Waiting for "Working Item"	
EN14972 part 12	Fire test protocol	commercial deep fat fryers	Waiting for "Working Item"	
EN14972 part 13	Fire test protocol	wet benches and similar processing equipment	Waiting for "Working Item"	
EN14972 part 14	Fire test protocol	combustion turbine enclosures >260m3	Being prepared for enquiry	
EN14972 part 15	Fire test protocol	combustion turbine enclosures <260m3	Being prepared for enquiry	
EN14972 part 16	Fire test protocol	industrial oil cookers	Prepared for publication of standard	
EN14972 part 17	Fire test protocol	residential and domestic occupancies	Being prepared for enquiry	
18-X	New fire test protocols	NA	NA	
EN 17450 series	Component test protocol	Nozzles	Being prepared for enquiry	
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	Being prepared for enquiry	
EN 17450 series	New component test protocols	NA	NA	

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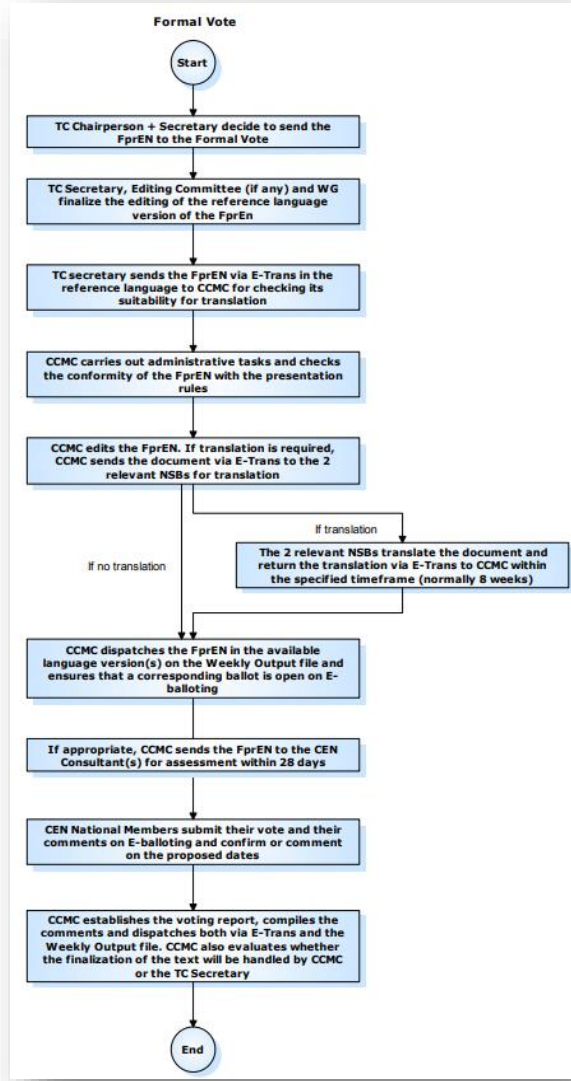
4. The next steps

- Sept. 9-10th : Meeting treating +500 comments
- Oct. 11th: Conference call treating +500 comments
- Nov. 19th: Conference call finalizing +500 comments

The plan is that end of year 2019 or beginning of year 2020 the prEN14972 shall be sent for FORMAL VOTE.

Formal vote Flowchart

<https://boss.cen.eu/developingdeliverables/EN/Pages/FV.aspx>



Administration work,
Voting,
Treating editorial comments,
Translation work,

≈ 6 months

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

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Questions?

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