

TC 127 palonkestävyys

Paloseminaari 2023 – Paloturvallisuus ja standardisointi

7.2.2023

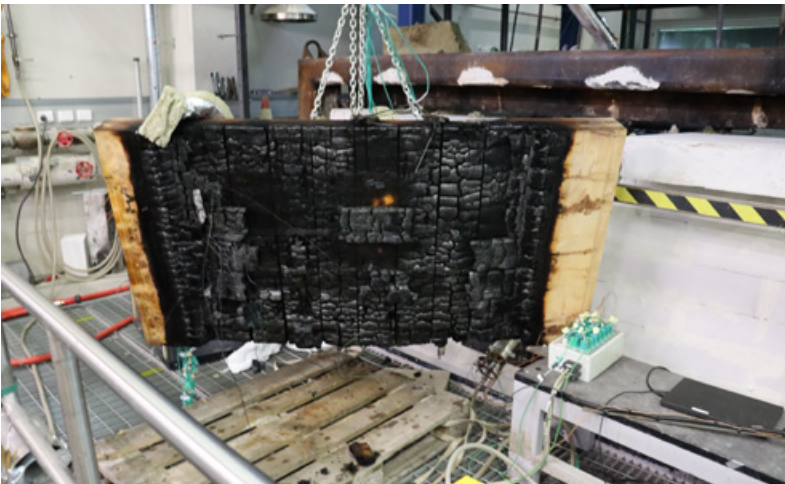
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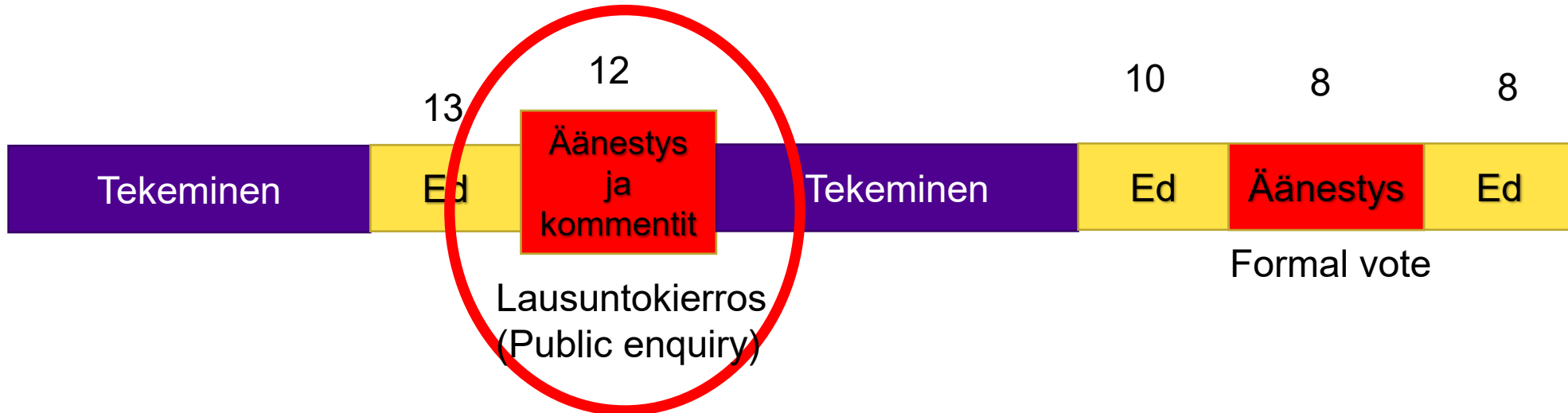
TC 127 Rakennusten paloturvallisuus

- WG 1 – Structural and separating elements
- WG 2 – Services
- WG 3 – Fire doors
- WG 4 – Reaction to fire
- WG 5 – Roofs
- **WG 7 – Classification**
- WG 8 – Fire safety engineering
- WG 9 – Fire protective products

Standardin valmistelu

- Ehdotus uudesta standardista tai päivityksestä
 - Alustava työaihe (Preliminary work item, PWI)
 - Avoinna 3 vuotta
 - Uusi työaihe (New work item, NWI)
 - Valmistelu, kommenttikierros/äänestys, valmistelu ja loppuäänestys
- Revisiotarkastelu
 - Vähintään 5 vuoden välein, pyydettyäessä mahdollista myös aiemmin (säilytetään/päivitetään/poistetaan)

Uusi työaihe



Standardin tekemiseen käytettävissä yhteensä 68 viikkoa (+ mahdollinen 39 viikon lisäaika) Editointeihin, käännöksiin ja äänestyksiin yhteensä 51 viikkoa

Äänestyksissä vähintään 55 % äänistä puolesta ja 65 % väestöllä painotetuista äänistä

Kokoukset

- Edelliset
 - WG1 Structural and separating elements, 5.10.2022
 - WG2 Services, 5.10.2022
 - WG3 Doors, 28.9.2022
 - WG7 Classification, 24.11.2022
- Tulevat
 - WG1, 9.3.2022
 - WG2, 9.3.2022
 - WG3, 7.-8.3.2022
 - WG7, 17.3.2022

WG 1, Structural separating elements

• Alustavat työaiheet

- prEN 1364-1 'Fire resistance tests for non-loadbearing elements - Part 1: Walls'
- prEN 1364-3 'Fire resistance tests for non-loadbearing elements - Part 3: Curtain walling - Full configuration (complete assembly)'
- prEN 13381-7 'Test methods for determining the contribution to the fire resistance of structural members - Part 7: Applied protection to timber members'
- prEN 15254-6 'Extended application of results from fire resistance tests - Non-loadbearing walls - Part 6: Curtain walling'.

• ENV -> CEN/TS

- ENV 1363-3 'Fire resistance tests - Part 3: Verification of furnace performance'

WG 1, Structural separating elements

• Uudet työaiheet

- prEN 1364-4 'Fire resistance tests for non-loadbearing elements - Part 4: Curtain walling - Part configuration'
- prEN 14135 'Coverings - Determination of fire protection ability' (Mahdollisesti tulossa pian lausuntokierrokselle)
- prEN 15080-12 'Extended application of results from fire resistance tests - Part 12: Loadbearing masonry walls' (Hylätty lausuntokierroksella, Enquire disapproved 21.10.2022)

• Uusi standardi

- prEN 13381-XX 'Test methods for determining the contribution to the fire resistance of structural members - Part XX: Loaded tension members'

WG 1, Structural separating elements

- Lausuntokierroksella

- prEN 1364-6 'Fire resistance tests for non-loadbearing elements - Part 6: Cavity barriers' (Hyväksytty 8.7.2022)

- Revisiotarkastelu

- EN 1364-5 Fire resistance tests for non-loadbearing elements - Part 5: Air transfer grilles (oli jo tarkastelussa, muutamat halusivat revisiota)
- EN13381-3 Test methods for fire resistance of structural members - Part 3: Applied protection to concrete members (avoinna- 11.2.2022)
- EN 13381-6 Test methods for determining the contribution to the fire resistance of structural members - Part 6: Applied protection to concrete filled hollow steel columns (Tulossa äänestykseen)

WG 1, Structural separating elements

- Muuta

- Kevyen tukirakenteen määrittäminen ja suorat sovellussäännöt.
- Koekappaleiden ilmastointi.
 - Joillain tuotteilla tasapainon saavuttaminen voi kestää pitkään.
- Standardeissa annettujen mittojen toleranssit.

WG2 Services

• Alustavat työaiheet

- prEN 1366-1 'Fire resistance tests for service installations - Part 1: Ventilation ducts'
- prEN 1366-3 'Fire resistance tests for service installations - Part 3: Penetration seals'
- prEN 1366-12 'Fire resistance tests for service installations - Part 12: Non-mechanical fire barrier for ventilation ductwork'
- prEN 15882-3 'Extended applications of results from fire resistance tests for service installations - Part 3: Penetration seals'

• Uusi standardi

- prEN 1366-XX 'Fire resistance tests for service installations - Part XX: Partial penetration seals'

WG2 Services

- Uudet työaiheet

- EN 1366-10:2022/prA1 ‘Fire resistance tests for service installations - Part 10: Smoke control dampers’ (lisäys, amendment)

- Tulossa lausuntokierrokselle

- prEN 1366-8 ‘Fire resistance tests for service installations - Part 8: Smoke extraction ducts’
- prEN 1366-9 ‘Fire resistance tests for service installations - Part 9: Single compartment smoke extraction ducts’

WG2 Services

• Valmistuneet

- FprEN15882-2 Extended application of results from fire resistance tests for service installations. Part 2: Fire dampers (15.7.2022)
- FprEN1366-10 Fire resistance tests for service installations - Part 10: Smoke control dampers (23.6.2022, lisäys jo työn alla)

• Tulossa revisiotarkasteluun

- EN 15882-4:2012 Extended application of results from fire resistance tests for service installations - Part 4: Linear joint seals

WG2 Services

- Muuta

- Kun prEN 1366-3 (Palokatkot/penetration seals) saadaan valmiiksi niin palataan keskusteluun yläpuolisen palon testaamisesta.

WG3 Fire doors

• Alustavat työaiheet

- prEN 15269-5 ‘Extended application of test results for fire resistance and/or smoke control for door, shutter and openable window assemblies, including their elements of building hardware - Part 5: Fire resistance of hinged and pivoted metal framed glazed doorsets and openable windows’
- prEN 15269-12 ‘Extended application of test results for fire resistance and/or smoke control for door, shutter and openable window assemblies, including their elements of building hardware - Part 12: Fire resistance of composite doors’
- prEN 15269-13 ‘Extended application of test results for fire resistance and/or smoke control for door, shutter and openable window assemblies, including their elements of building hardware - Part 13: Fire resistance of sectional doors’

WG3 Fire doors

- Uudet työaiheet
 - Hyväksytty lausuntokierroksella
 - prEN 15269-4 ‘Extended application of test results for fire resistance and/or smoke control for door, shutter and openable window assemblies, including their elements of building hardware - Part 4: Fire resistance of hinged and pivoted glass doorsets’ (6.1.2023)

WG3 Fire doors

- Lausuntokierroksen äänestys päättynyt
 - prEN15269-2 Extended application of test results for fire resistance and/or smoke control for door, shutter and openable window assemblies, including their elements of building hardware. Part 5: Fire resistance of hinged and pivoted metal framed glazed doorsets and openable windows (2.2.2023)
- Odottaa osia 2 ja 3 ennen työn jatkamista
 - prEN 15269-6 'Extended application of test results for fire resistance and/or smoke control for door, shutter and openable window assemblies, including their elements of building hardware - Part 6: Fire resistance of sliding timber doorsets
- Revisiointitarve selvitetty ja menossa päivitykseen
 - EN 15269-10 Extended application of test results for fire resistance and/or smoke control for door, shutter and openable window assemblies, including their elements of building hardware. Part 5: Fire resistance of hinged and pivoted metal framed glazed doorsets and openable windows

WG3 Fire doors

• Valmiit ja hyväksytyt

- prEN 15269-3 ‘Extended application of test results for fire resistance and/or smoke control for door, shutter and openable window assemblies, including their elements of building hardware - Part 3: Fire resistance of hinged and pivoted timber doorsets and openable timber framed windows’ (18.8.2022)
- prEN 17020-1 ‘Extended application of test results on durability of self-closing for doorsets and openable windows - Part 1: Durability of self-closing of hinged and pivoted steel doorsets’ (9.6.2022)
- prEN 17020-2 ‘Extended application of test results on durability of self-closing for doorsets and openable windows - Part 2: Durability of self-closing of steel rolling shutters’ (25.8.2022)
- prEN 17020-3 ‘Extended application of test results on durability of self-closing for doorsets and openable windows - Part 3: Durability of self-closing of steel sliding doorsets’ (28.4.2022)
- prEN 17020-5 ‘Extended application of test results on durability of self-closing for doorsets and openable windows - Part 5: Durability of self-closing of hinged and pivoted timber doorsets’ (5.1.2023)

WG3 Fire doors

- Muuta
 - EN 1634 Palo-ovien work item on umpeutunut. Uutta haetaan.

WG7 Classification

- Alustava työaihe

- EN 13501-1/prA1 ‘Fire classification of construction products and building elements - Part 1: Classification using data from reaction to fire tests. (lisäys, amendment)

- Odottaa uutta PWI

- prEN 13501-3 ‘Fire classification of construction products and building elements - Part 3: Classification using data from fire resistance tests on products and elements used in building service installations: fire resisting ducts and fire dampers’

- Päivityksessä

- prEN ISO 13943 ‘Fire safety – Vocabulary’ (International Organization for Standardization vetää)

WG 7

• Valmiit ja hyväksytyt

- prEN 13501-2 ‘Fire classification of construction products and building elements - Part 2: Classification using data from fire resistance tests, excluding ventilation services’ (26.1.2023)
- EN 13501-6:2018/prA1 ‘Fire classification of construction products and building elements - Part 6: Classification using data from reaction to fire tests on power, control and communication cables’ (3.11.2022)
- FprEN 15725 ‘Extended application reports on the fire performance of construction products and building elements’ (5.1.2023)

EN13501-2 muutokset

- Lisätty viittauksia uusiin standardeihin
- Savupiipuille luokka (O) ilman nokipalotestiä ja luokitus (E tai EI)
- Kuormitettujen rakenteiden rajoittavat taipumat
 - $1,5 D_{\text{limit}}$ tai
 - D_{limit} ja dD/dt
- Kantavilla seinillä luokitus mahdollista vain yhteen suuntaan ja/tai external fire exposure
- Luokituksia mahdollista antaa 360 minuuttiin.
- Ovien savutiiviyteen lisämerkintä 3 / 4
- Läpivientien luokitus vain yhteen suuntaan (i -> o)
- Läpivientien käyttö (vaaka- vai pystyrakenteista)
- Ilmaritilän/säleikön luokitus (Air transfer grilles)
- Suojaverhoukseen ei ole tullut uusia aikaluokkia.
 - Korkein luokitus edelleen 60 minuuttia



Kiitokset



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