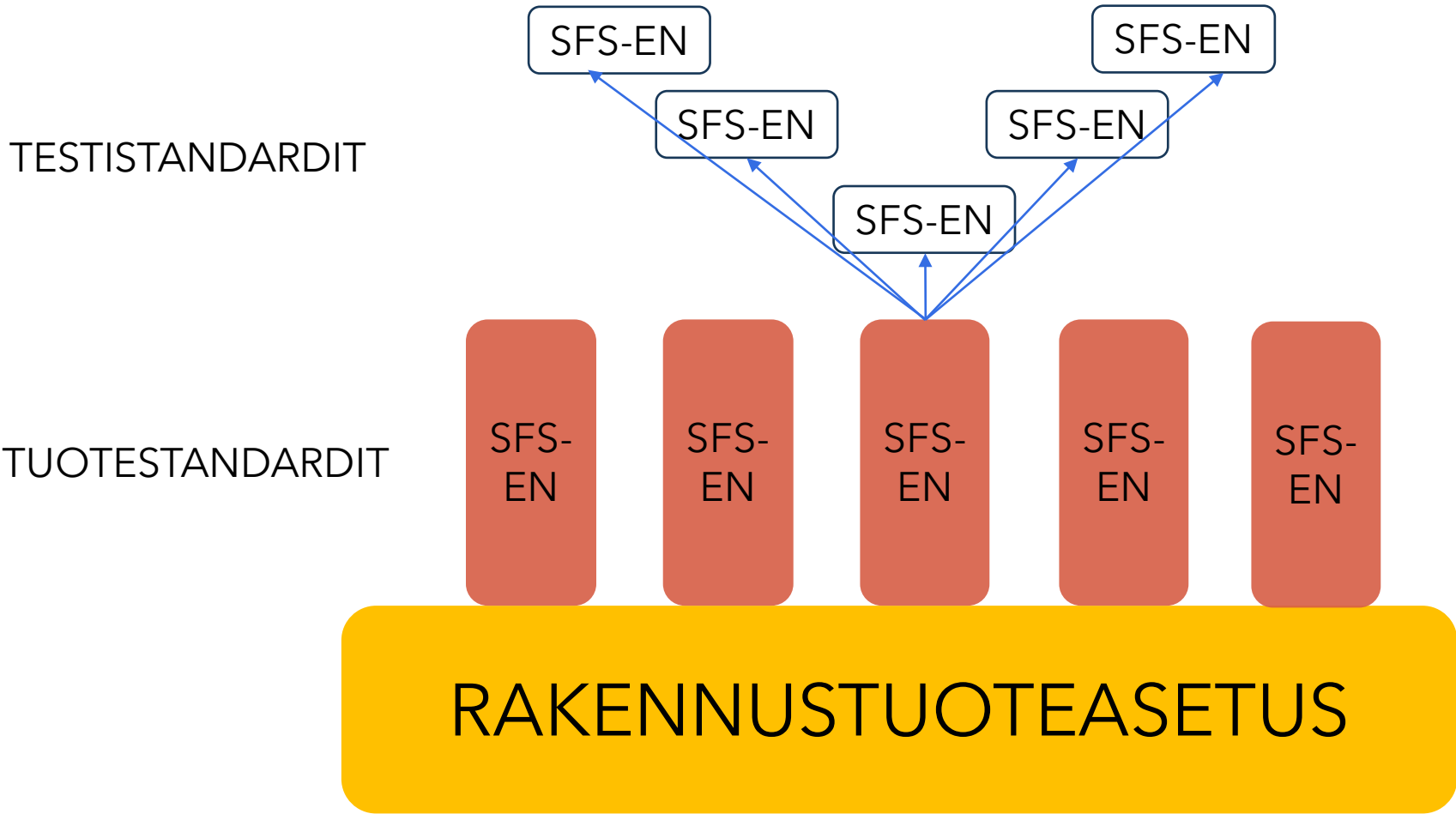


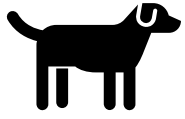
# Standardit uudistuvat; miten ja koska?

INFRAn kiviainespäivät 2024

Tuuli Kunnas  
14.3.2024

# Rakennustuotteiden CE-merkintä





Acquis-prosessi (komissio, jäsenmaat, standardointi)



Standardointipyyntö (komissio)



Standardien laadinta (CEN)



Standardin hyväksyntä/hylkäys (komissio)



Viittaus virallisessa lehdessä (komissio)



Rakennustuotteen CE-merkintä (valmistaja)



RAKENTAMISMÄÄRÄYKSET  
KANSALLISIA

# Mitä uusi rakennustuoteasetus tuo tullessaan?

- Ympäristö- ja turvallisuusvaatimukset mukana; kiertotalous- ja ilmastotavoitteet ajurina
- Käytetyt tuotteet otettavissa mukaan standardeihin
  - 'used product' means a product that is not waste or has been ceased to be waste
- Suorituskykyyn liittyvät harmonisoidut standardit tai komission antamat tekniset spesifikaatiot  
PAKOLLISIA
  - Kynnysarvot (vapaaehtoiset tai pakolliset) ja/tai
  - Luokat ja/tai
  - Pakolliset ilmoitettavat ominaisuudet
- Vaatimustenmukaisuusolettaman tuottamat standardit (tuotevaatimuksia) tai komission antamat yleiset spesifikaatiot  
VAPAAEHTOISIA
- Käyttöohjeita ja turvallisuustietoa
- Ympäristövaatimuksia

# jatkuu

- Delegoidut asetukset
  - Edellä mainitut + horisontaalisia asioita
    - Palo
    - Melu
    - Vaarallisten aineet (release and content)
- Suoritustasoilmoitus jatkossa Declaration of performance and conformity



# Rakennuskohteen perusvaatimukset

## Nykyinen rakennustuoteasetus

1. Mechanical resistance and stability
2. Safety in case of fire
3. Hygiene, health and the environment
4. Safety and accessibility in use
5. Protection against noise
6. Energy economy and heat retention
7. Sustainable use of natural resources

## Tuleva rakennustuoteasetus

1. Structural integrity of construction works
2. Fire safety of construction works
3. Protection against adverse hygiene and health impacts related to construction works
4. Safety and accessibility of construction works
5. Resistance to the passage of sound and acoustic properties of construction works
6. Energy efficiency and thermal performance of construction works
7. Emissions into the outdoor environment of construction works
8. Sustainable use of natural resources of construction works

# Ympäristöominaisuudet AVCP 3+

komissio voi täydentää listaa

- (a) climate change effects – *total*;
  - (aa) *climate change effects – fossil fuels*;
  - (ab) *climate change effects – biogenic*;
  - (ac) *climate change effects – land use and land use change*;
  - (b) ozone depletion;
  - (c) acidification potential;
  - (d) eutrophication aquatic freshwater;
  - (e) eutrophication aquatic marine;
  - (f) eutrophication terrestrial;
  - (g) photochemical ozone;
  - (h) abiotic depletion – minerals, metals;
  - (i) abiotic depletion – fossil fuels;
  - (j) water use;
  - (k) particulate matter;
  - (l) ionizing radiation, human health;
  - (m) eco-toxicity, freshwater;
  - (n) human toxicity, cancer;
  - (o) human toxicity, non-cancer;
  - (p) land use related impacts.
- 
- 4 vuotta asetuksesta
  - 6 vuotta asetuksesta

Osana suoritus- ja vaatimustenmukaisuusilmoitusta

# Tuotevaatimukset

- (a) the use of specific materials which can be specified also in terms of their chemical composition;
- (b) specific dimensions and shapes of products or their components;
- (c) the use of certain components which can be specified also in terms of materials, dimensions and shapes;
- (d) the use of certain accessories and requirements for them;
- (e) *ease of installation and deinstallation;*
- (f) *ease of maintenance or no maintenance required for the expected life span;*
- (g) *characteristics of the product, including cleanability, scratch resistance and break resistance, under usual operation conditions.*



# Käyttöohjeet ja turvallisuusvaatimuksia

- (a) chemical risks due to leaking or leaching;
- (b) risk of unbalanced composition in terms of substances resulting in flawed, safety-relevant functioning of products;
- (c) mechanical risks;
- (d) mechanical failure;
- (e) physical failure;
- (f) risks of electric failure;
- (g) risks linked to electricity supply breakdown;
- (h) risks linked to unintended charge or discharge of electricity;
- (i) risks linked to software failure;
- (j) risks of software manipulation;
- (k) risks of incompatibility of substances or materials;
- (l) risks linked to the incompatibility of different items, at least one of them being a product;
- (m) risk of not performing as intended, whilst the performance is safety relevant;
- (n) risk of misunderstanding instructions for use in a field affecting health and safety;
- (o) risk of unintended inappropriate installation or use;
- (p) risk of intended inappropriate use.

# Ympäristövaatimukset

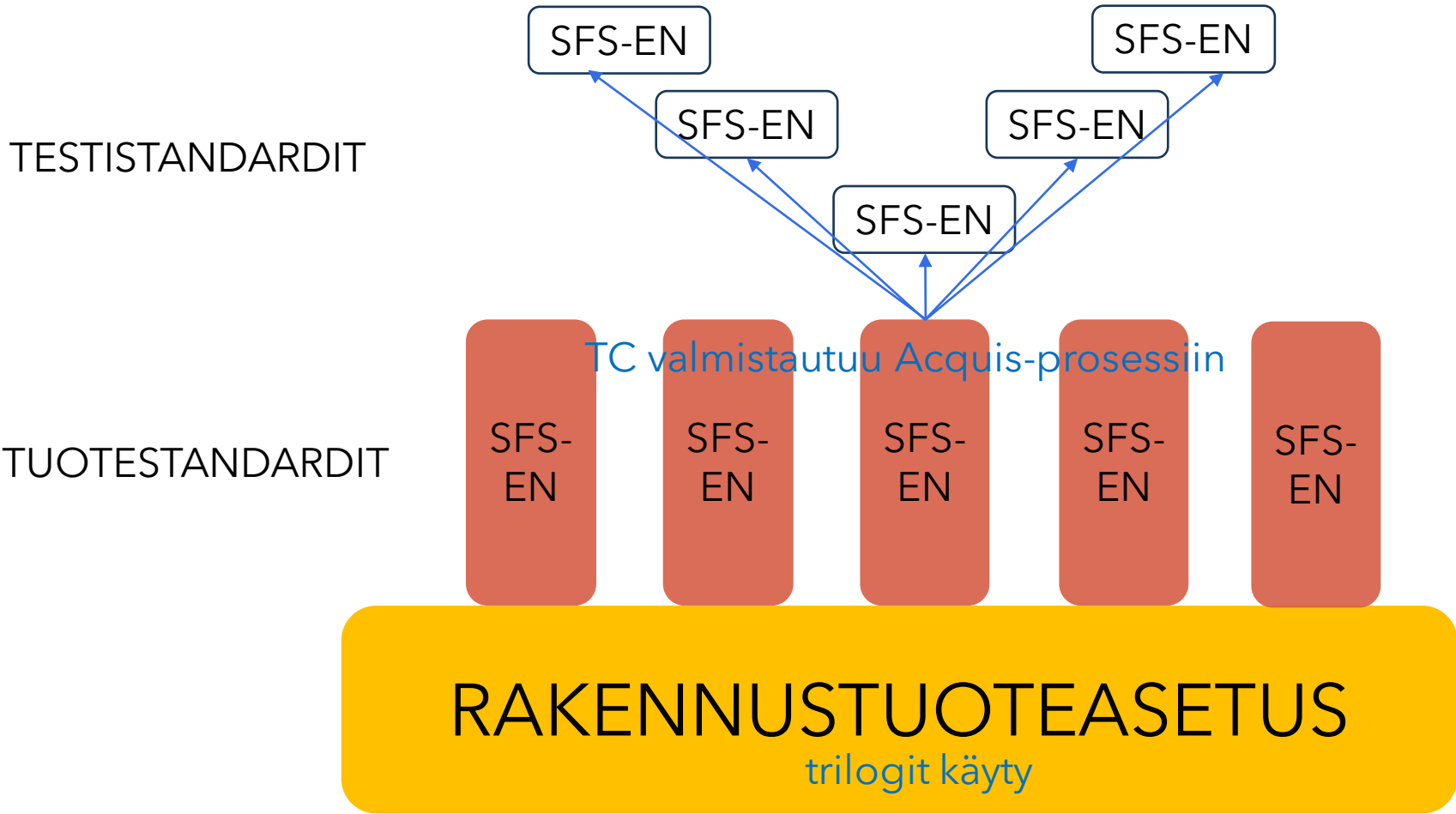
- (a) maximising durability *and reliability of the product or its components as expressed through a product's technical lifetime indication of real use information on the product, resistance to stress or ageing mechanisms and* in terms of the expected average life span, the minimum life span under worst but still realistic conditions, and in terms of the minimum life span requirements *and prevention of premature obsolescence;*
- (b) minimising *life-cycle* greenhouse gas emissions;
- (c) maximising *reused, recycled and by-product content;*
- (d) selection of safe, *sustainable-by-design, and* environmentally benign substances;
- (e) energy use and energy efficiency;
- (f) resource efficiency;
- *(fa) modularity;*
- (g) identification which product or parts thereof and in what quantity can be reused after de-installation (reusability);
- (h) upgradability;
- (i) *ease of* reparability during the expected life span, *including compatibility with commonly available spare parts;*
- (j) *ease of* maintenance and refurbishment during the expected life span;
- (k) recyclability and the capability to be remanufactured;
- (l) capability of different materials or substances to be separated and recovered during dismantling or recycling procedures;
- *(la) sustainable sourcing;*
- *(lb) minimising product-to-packaging ratio;*
- *(le) amounts of waste generated, notably hazardous waste.*

# Miten kaikki tämä vaikuttaa standardeihin?

- Käyttökohteiden määrittelyyn tarkennuksia
  - AKR
  - Ympäristöominaisuudet
  - Testistandardien pysyvyys
  - Standardoitavaa paljon
  - Resurssit?
- 
- Rakentamismääräykset edelleen kansallisia!
    - Huomioitava kynnysarvot
    - Käytössä standardien tuntemat luokat
    - Arviointia ja varmentamista ei enemmän kuin AVCP-luokka edellyttää

This Regulation does not *affect the possibilities for* Member States to introduce mandatory deposit-refund systems *or* to oblige manufacturers to *accept to regain*, directly or via their importers and distributors *ownership of new, surplus or unsold non-custom-made products that are in a state equivalent to the one in which they were placed on the market* provided that *the measure does not directly or indirectly discriminate economic operators in other Member States.*

# Missä mennään nyt?



**Nykyiset  
tuotestandardit  
käytössä, kunnes ne  
korvaantuvat.**

# Vaikuta tulevaisuuteen osallistumalla: RTT/SR 11 Kiviainekset

<https://link.webpolsurveys.com/Participation/Public/f5bff530-841f-468a-86ed-0e8c86c89913?displayId=Fin2985129&questionsAnsweredByUrlParam=q2%3D2>