**European Standardization Organizations**

# Workshop 'Standardisation synergies between civil security, defence and space industries'

We start at 10:00 CET
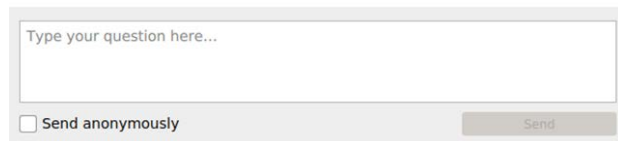
# 28 February 2022

# Your webinar moderator



**Els Somers**

Project Manager
Policy & Partnerships

[esomers@cencenelec.eu](mailto:esomers@cencenelec.eu)

# Get the most out of the webinar today

▶ You are muted

▶ Use the Q&A panel to submit your questions



▶ Talk about us on Twitter #training4standards @Standards4EU

# Agenda

▶ Introduction to CEN & CENELEC

▶ CEN-CENELEC Sector Forum on Security

▶ EC Action Plan on Synergies between the defence, civil and space industries + Strategy on Standardisation

▶ Civil and military requirements and standards in defence industry

▶ Position of CEN & CENELEC

▶ Q&A

# Your speakers today



**Christina THORNGREEN**

**Project Manager 'Energy & Living'**

**CEN-CENELEC**

[cthorngreen@cencenelec.eu](mailto:cthorngreen@cencenelec.eu)

# European Standardization Organizations

**CEN** - European Committee for Standardization

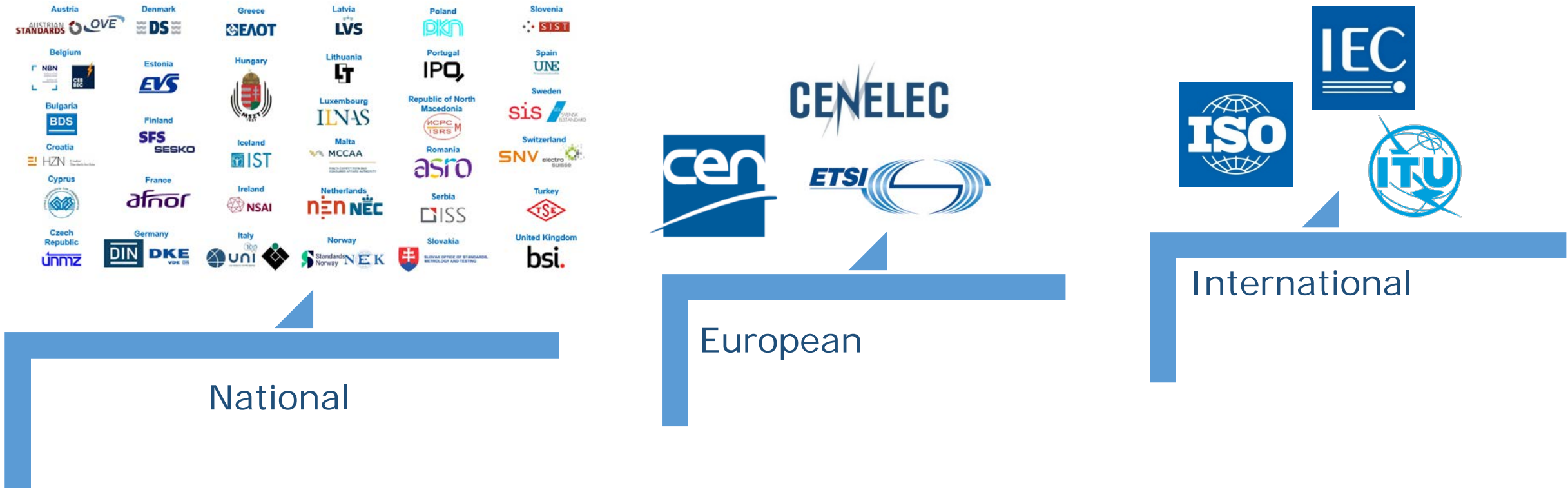**CENELEC** - European Committee for Electrotechnical Standardization

**ETSI** - European Telecommunications Standards Institute

→ Recognized by European law ([EU Regulation 1025/2012](#))

# Standardization happens at different levels



➢ Aim: identical standards in Europe and worldwide

National

European

International

# CEN and CENELEC deliverables

**European Standards (EN)**

Prime deliverable by excellence

**Technical Specifications (TS)**

Pre-standard

**Technical Reports (TR)**

Informative document / Guide

**Workshop Agreements (CWA)**

Document, developed by a Workshop, which reflects an agreement between identified individuals and organizations responsible for its contents

EUROPEAN STANDARD  **EN 17483-1**
NORME EUROPÉENNE
EUROPÄISCHE NORM  June 2021

ICS 03.080.99; 13.310

English Version

Private security services - Protection of critical infrastructure - Part 1: General requirements

Dispositions de sécurité privée pour la protection des infrastructures critiques - Partie 1 : Exigences générales

Private Sicherheitsvorkehrungen zum Schutz kritischer Infrastrukturen - Teil 1: Allgemeine Anforderungen

This European Standard was approved by CEN on 23 May 2021.

CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration. Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the CEN-CENELEC Management Centre or to any CEN member.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the CEN-CENELEC Management Centre has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Republic of North Macedonia, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and United Kingdom.

EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

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# CEN and CENELEC Sector Forum on Security

SECTOR FORUM ON SECURITY

▶ established in January 2019, SFS secretariat

▶ experts from different sectors of the security industry

▶ coordinates security-related standardization

▶ establishes liaisons with professional and technical associations

▶ reviews different policy initiatives and best practices

# Your speakers today

**Nynke Tigchelaar**
**DG Defence Industry and Space**
**DG DEFIS**

# Action Plan synergies

▶ Adopted on 22/02/2021

▶ Aim is to break silos between defence, space and related civil industries

▶ Specific action on standardisation

  ▶ By the end of 2022 the Commission, in close cooperation with other key stakeholders, will present a plan to promote the use of existing hybrid civil/defence standards and the development of new ones.

▶ Carried through by EU Strategy on Standardisation

▶ Role DG DEFIS in implementing the specific action

# Thank you,

# Questions?



You 04:36 PM
When is the next session?

Type your question here...

☐ Send anonymously          Send

Use the Q&A panel to submit your questions

# Your speakers today



**Toni LEIKAS**
**Training Manager**
**CBRN Specialist**
**Environics Oy**

# CEN/TC 391 EN 17173: European CBRNE glossary

::: Environics

For your Safety

" Common understanding and communication is important in the implementation of an effective CBRNE response and this communication will be most effective if there is common understanding of the terms used. Many of the terms and definitions listed here have been widely used for many years, while others are the result of cross-cutting experience of areas of CBRNE. The gradual evolution of our understanding of CBRNE and response measures means that CBRNE terminology will continue to develop. "

CEN/TC391 EN 17173: European CBRNE glossary

# Quality Management System(s)

- ISO 9001 Quality management system
- AQAP2110 NATO quality assurance requirements for design, development and production
- ISO 14001 Environmental management
- ISO 10012 Measurement management systems
- ISO 10007 Guidance for configuration management
- ISO 31000 Risk Management
- National and international laws and regulations

# Performance and capability requirements

▶ MIL-STD-810G-CHG1 Environmental engineering and testing

▶ IEC 60529 Degrees of protection provided by enclosures

▶ MIL-STD-461G Control of electromagnetic interference characteristics of subsystems and equipment

▶ MIL-STD-1275D Characteristics of 28 volt dc electrical systems in military vehicles

▶ 2014/53/EU Radio Equipment Directive (RED): EN 61010, EN50566, EN62209, EN50663, EN62479, EN300, EN301, EN303...

▶ Other specific performance requirements

▶ For Naval systems IACS Naval classification: Classification of Steel Ships, NR467 F1 July 2017
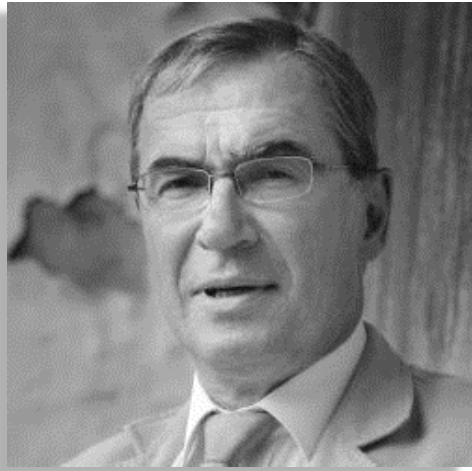
# Standards synergies?

- Defence standards and requirements are "mostly" harder than civil standards...

- Dual-use device may easily have also dual-use standards and requirements...

- Common language between defence- and civil industries and research and EU funding projects for standards...

# Your speakers today



**Pertti WOITSCH**

**Chair ('Sector Rapporteur')**

**CEN-CENELEC Sector forum on Security**

pertti@woitsch.com

# Position of CEN-CENELEC

to the Action plan on synergy between civil, defence and space industries.

CEN-CENELEC published a Position Paper to the Action plan in 2021, wishing to express their stand to this important development by sharing the present and potential contributions of European Standards to solving the challenges outlined in the Action Plan. The next slides explain shortly the main arguments of the paper.

# Hybrid Standards

The European Defence Standards Reference System (EDSTAR) of EDA is a public database of standards, best practices and specifications for defence purposes.

CEN and CENELEC have signed a Partnership Agreement for supporting EDA in selection of standards and standard-like documents to EDSTAR.

A large number of civilian standards in EDSTAR originating from CEN and CENELEC is a perfect indication that the concept of hybrid civil/defence standards is already a reality.

# Critical Technologies

The Action Plan contains a list of critical technologies relevant across the civil (including security), defence and space industries

CEN and CENELEC already have standardization activities in place in each of the sectors mentioned on this list.

CEN and CENELEC further have close collaboration links with their international counterparts ISO and IEC, which further enlarges the list of relevant standardization activities

# Cross-fertilisation Opportunities

## Cyber Security/defence and Artificial Intelligence are probably the most promising critical technology areas for cross-fertilisation

The CEN and CENELEC standardisation committees addressing these areas are actively collaborating with other TCs representing several vertical areas.

As an example, there are working groups addressing cybersecurity in the transport domain, like e.g., CLC/TC 9X/WG 26 'IT-Security / Cybersecurity in the railway sector'.

Several technical bodies of CEN and CENELEC deal with dual-use items related to e.g., space systems or drones.

# EU Programmes and Instruments

EU financed R&I projects can collaborate with standardization bodies to contribute their findings to the ongoing standardization processes.

CEN and CENELEC actively promote the early consideration of standardization as a market uptake tool of R&I project results.

CEN and CENELEC members actively participate in Horizon 2020 or Horizon Europe R&I projects.

Special attention to two projects with standardisation as their main topic: (STAIR4SECURITY and STRATEGY)

# Involving all stakeholders in standardization

The Action Plan highlights the role that SMEs have in innovation processes. Standardisation facilitates the participation of all stakeholders incl. SMEs.

The principle of openness has been enshrined in the EC Regulation 1025/2012 on standardization, which states that all relevant stakeholders, including SMEs, shall be represented and encouraged to participate in CEN-CENELEC standardisation activities.
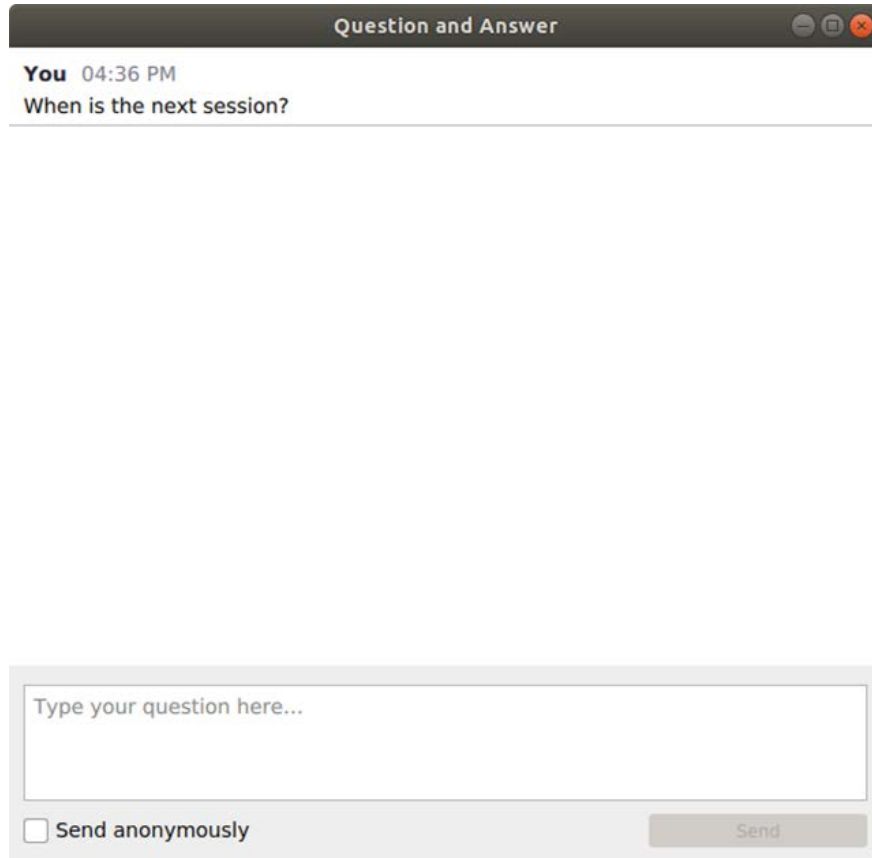
# Any questions or comments?

Thanks for your interest and attention!

Now it's time for discussion on the topics of today's presentations!

Pertti Woitsch

Chair ('Sector Rapporteur') of CEN-CENELEC Sector forum on Security
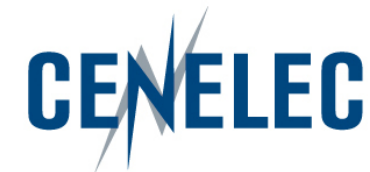
[pertti@woitsch.com](pertti@woitsch.com)

# Question time

▶ Use the Q&A panel to submit your questions

**European Standardization Organizations**

# Thank you for your participation!

## Next webinars

2022-03-02 - Stakeholder Workshop on the EC-ESOs Task Force 'Timely European standards for a Green and Digital, Single & Global Market'

2022-03-08 – Online celebration for the renewed collaboration between the JRC and CEN-CENELEC

2022-03-08 – Webinar 'Update on the HAS assessment system

2022-03-10 – Webinar 'How do standards benefit consumers?"

2022-03-15 - Cybersecurity Standardisation Conference 2022 (cooperation between ENISA, ETSI, CEN & CENELEC)

2022-04-21 – Workshop 'Interoperability of security'