



**standICT.eu 2026**

ICT Standardisation Observatory and Support Facility in Europe

## Women in ICT Standards #2 Cyber Security Standardisation

Judith E. Y. Rossebø, PhD

Global Cyber Security Specialist, ABB

Chair CLC/TC65X

Co-Convenor CLC/TC65X WG3 Cyber Security



Funded by  
the European Union

# About your Speaker

## Judith Rossebo, PhD

Global Cyber Security Specialist, Process Automation Energy Industries, ABB

- 23 + years of experience in Cyber Security, 13 years in ABB
- Joined ABB CRC as Research Scientist in 2010
- CS Specialist working on Energy and Offshore Wind Projects, CSRA Service and Product Security Assessments
  
- ABB representative in ISA99/IEC 62443 Standards Committees since 2016, Member of IEC TC65 WG10, NK65
- CLC/TC65X Chair since 2018
- Co-Convenor TC65X WG3 Cyber Security
- Member of JTC13 WG8 RED, JTC13 WG9 CRA
  
- Member of WindEurope Cyber Security Task Force
- Participated in Norwegian Strategic Initiatives Digital21 Expert Group Digital Security, Energi21
- Associate Professor, 10 % position, Department of Technology Systems, University of Oslo.
  
- Award: One of Norway's Top 50 Women in Technology 2022
  
- Cand. Scient. in Mathematics (Universtiy of Oslo)
- PhD in Telemathics (Norwegian University of Science and Technology)



# My path in ICT Standardisation

Member of  
ETSI TIPHON  
(2001-2003)

2001 2003

**ICT  
STANDARDISATION  
ROLES WHILE AT  
TELENOR**

2010  
Chair  
ETSI  
TISPAN  
WG7 security  
(2003-2010)

Member of  
NK65 and  
CENELEC  
TC65X  
(2012- )

Chair  
ETSI  
ERM TG41  
Wireless  
industrial  
(2013-2019)

2013  
Deputy  
of  
CENELEC  
TC65XWG1  
IRWC  
(2013- 2020 )

Member  
IEC  
TC65X  
WG10  
(2016- )

2016

Chair  
CENELEC TC65X  
INDUSTRIAL- PROCESS  
MEASUREMENT,  
CONTROL AND  
AUTOMATATION  
(2018- )

Liaison  
from  
CLC/TC65X  
to  
CEN(CLC/JTC 13  
(2018- )

Co-convenor  
CLC/TC65X WG3  
Cyber  
Security  
(2020- )

2020

Member of CEN/CLC/JTC13 WG9-  
"Special Working Group Cyber  
Resilience Act"  
  
Member of CEN/CLC/JTC13  
WG8- "Special Working Group  
RED CS DA Standardisation  
Request"

2022

**ICT and OT  
STANDARDISATION  
ROLES WHILE AT  
ABB**

2023

# CLC/TC 65X – Industrial-process measurement, control and automation



## Scope

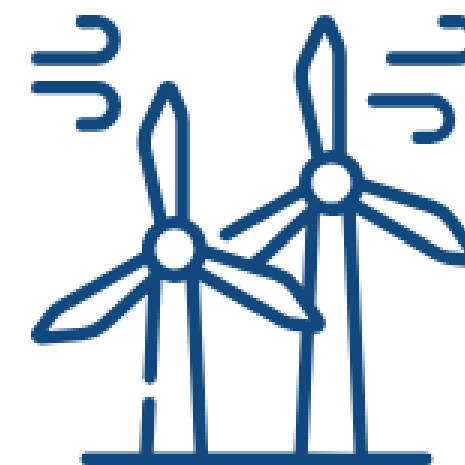
European level aspects of standardization for systems and elements used for industrial process measurement, control and automation. To coordinate standardisation activities which affect integration of components and functions into such systems including **safety** and **security** aspects. To be carried out closely coordinated with IEC TC65 and its subcommittees with the objective of avoiding any duplication of work.

Secretariat - DKE

Chair – Judith Rossebo

Secretary – Antonio Monaco

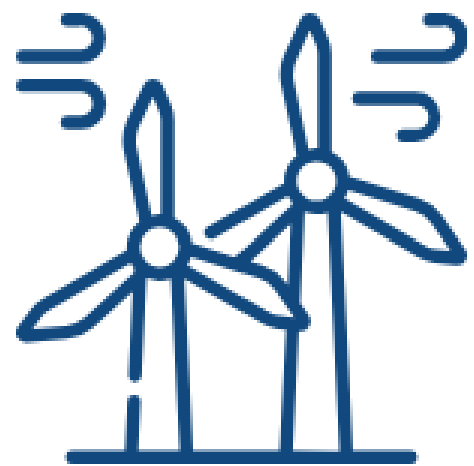
CCMC Programme Manager – Amirifar Nooshin



# CLC/TC 65X – Industrial-process measurement, control and automation

IEC standards parallel voted on European level and monitored by CLC/TC 65X are widely used by:

- Manufacturers of automation devices and systems,
- Designers, integrators and builders of automation installations,
- Users and operators (e.g., producers of goods), and
- Regulators and auditors who ensure compliance to requirements .





# EN IEC 62443 Cyber Security Standards

- Systematic approach
- Risk based
- Applied across a wide range of sectors
  - Utility grids and systems
  - Hydropower facilities
  - Offshore wind
  - Railway, shipping and aviation
  - Building control
  - Industrial automation and IIoT



Photo: <https://etech.iec.ch/issue/2020-04/iec-62443-standards-a-cornerstone-of-industrial-cyber-security>



## Proposal of EU Cyber Resilience Act

**Annex I, Part 1**  
Security requirements

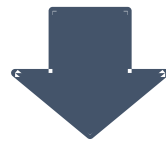


EN IEC 62443-4-1

EN IEC 62443-4-2

EN IEC 62443-3-3

**Annex I, Part 2**  
Vulnerability handling requirements



**Annex II**  
Information and instructions to the user



**Annex V**  
Technical documentation



EN IEC 62443-4-1

While there is a gender gap – it is possible to be active in ICT Standardisation – and make a difference!

- From the point of view of an expert active in standardisation for over 20 years



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