



CENELEC



velektronik Tage der vertrauenswürdigen Elektronik 2024

Intro CENELEC TC 47X - Semiconductor devices and trusted chips

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Chair of CENELEC TC47X, 2024-June-04

Main highlights: Trusted chips

Chips manufacturing has a **complex value chain** that relies on a **global supply chain**, involving **many actors**. There are different types of threats along the value chain that needs protection against.

Not all actors have the same requirements/knowledge of the security. A joint-up thinking is important. Standards can play a key role to improve the link between different actors and ensure the security at different step of the value chain.

NEW Technical Committee : CLC/TC 47X for Semiconductor and Trusted Chips implementation



- ✓ **Main focus : create hENs based on the CRA (Cyber Resilience Act)**
- ✓ **Support from additional EXPERTS is appreciated!**

Objectives among others are:

- ✓ **Secure and strengthen the chip manufacturing value chain, including cybersecurity, data safety and privacy**
- ✓ **Support Europe's competitiveness and resilience**

Work program of TC47X



INPUT from EU funded Project
Trusted Chips (lead DKE)

IEC

IEC TC47

- ✓ SR 47
- ✓ SR 47 A
- ✓ SR 47 D
- ✓ SR 47
- ✓ SR 47 F

Mirroring
&
Integration

Chair : Germany - DKE - Infineon
Secretary: France – AFNOR - STMicroelectronics

CLC TC 47X

Methodology
and
Standards
for a Trusted
Chips
implementation

Liaison with relevant
organizations, e.g.
CEN/CLC JTC13

EU Directives,
e.g. CRA

Standards
development to
fill the gap

- ▶ Alignment with EU COM and CEN/CLC JTC13 SRAHG on the **development of CRA standards for vertical semiconductor – ready by Oct. 2026**
- ▶ Create further **liaisons** with expert organisations
- ▶ Alignment with **DKE on EU COM project „Trusted Chips“**
 - ▶ landscape of existing standards (semiconductors)
 - ▶ identify gaps and develop a related roadmap

THANK YOU!

TC47X - SEMICONDUCTORS AND TRUSTED CHIPS

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