



HSbooster.eu
Horizon Standardisation Booster

CEN/CLC JTC 21 AI
WG2
„Operational aspects“

Emilia Tantar,
Convenor CEN/CLC JTC 21 WG2
Black Swan LUX



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STATEMENT OF PURPOSE

Black Swan LUX

The purpose of the herein document is to offer a high-level view on aspects within AI standardisation, business implications [compiling a number of normative documents and articles on AI], with a main focus on societal and business-related implications. The presentation is intended for dissemination within the limits of the Hsbooster.eu members only. Where applicable, [public domain] external materials are credited and links are provided to allow referring to the respective originating works.

CEN and CENELEC JTC 21 *WG2 Operational aspects*

Scope

WG2 supports JTC 21 with operational aspects of standardization in artificial intelligence, including conformity assessment topics and needed support standards.

Governance and structure

Convenor: Emilia Tantar
Co-convenor: Ansgar Koene
Secretariat: Emelie Bratt (BSI)

Main tasks

- Develop and maintain the JTC 21 conformity assessment standardization deliverables. existing relevant approaches and concepts to the conformity assessment of AI systems, i.e. national initiatives.
- Give recommendations and draft supporting elements regarding the adoption of relevant international standards to conformity assessment and operational aspects.²
- Systematically assess operational aspects of JTC 21 standardization initiatives and how existing AI standards can operationally support European regulations and policies.



Report from: Work on international aspects

• Main activities

• ***Support adoption of relevant international standards*** through New work items in support of the identified Roadmap items for adoption from ISO/IEC JTC 1/SC 42:

- Ongoing process for adoption of ISO/IEC 42001
- Provided drafts for NWIP for two foundational standards from ISO/IEC JTC 1 /SC 42:
 - ISO/IEC 22989 Artificial intelligence concepts and terminology
 - ISO/IEC 23053 Framework for Artificial Intelligence (AI) Systems Using Machine

• ***Preliminary assessment work on AI conformity assessment***

- NWIP “TR on AI Conformity assessment”
 - NWIP has received approval from CEN and CENELEC BT on May 18th , 2022
 - An initial draft has been produced and several contributions received



Working structure

Internally the WG 2 is structured in 8 dedicated task groups based on the group activity:

- Task group **“Inclusiveness”**
- Project group **“TR AI Conformity assessment”**
 - Task group **“Conformity assessment framework”**
 - Task group **“Analysis, Adoption and adaptation of relevant deliverables of ISO/IEC JTC 1/SC 42 for Operational aspects, including conformity assessment aspects”**
 - Task group **“Risk management and risk catalogue”**
 - Task group **“Cyber security and data implications” on AI conformity assessment and operational aspects “**
 - Task group **“Applications in healthcare”**
 - Task group **“Applications in automotive”**



Technical report on AI conformity assessment

Emilia Tantar, Ansgar Koene, Thomas Hildebrant, Ray Walshe, Renaud Di Francesco, Alpo Värri, Andrew Banks, Dave Lewis

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Ongoing deliverables: TR on AI Conformity assessment progress

Ongoing deliverables:

Matrix of participation and expertise diversity (draft proposal)

Competences				Entity					Standardization seniority	Support needed (mentee)/ support available (mentor)	Gender
Conformity assessment /regulatory expertise	AI expertise	Related areas expertise (cybersecurity, data, risk assessment)	Industry vertical expertise (health, automotive, etc.)	SME	Corporate	Consumer representative/ Not for profit/ NGO	Regulator/ National authority	Consulting			

CEN and CENELEC JTC 21 WG2 *Operational aspects next steps*

Advancements

Draft delivery and advancement on NWIP TR "AI Conformity assessment":

- substantial advancement on the horizontal framework, thanks to the dedicated Task group
- ***Need to gather use cases specific for verticals (your contributions are more than welcome)***
- ***Need to connect with relevant data and cyber security conformity assessment processes***

Delivery of an ***updated list of relevant ISO/IEC JTC 1/SC 42 deliverables and work items for AI Conformity assessment and related operational aspects***

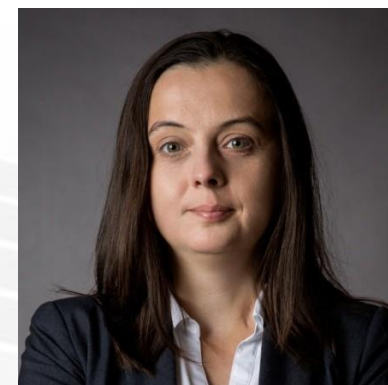
ISO/IEC 42006 ISO/IEC 42006 Requirements for bodies providing audit and certification of artificial intelligence management systems

Main tasks

Delivery of draft NWIPs to support the assessment and identified gaps in the TR "AI Conformity assessment":

NWIP for adoption of ISO/IEC 42001

Thank you!



Dr. Emilia Tantar



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