

MEDINA: Standardization to enable continuous cloud cybersecurity certification

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Background

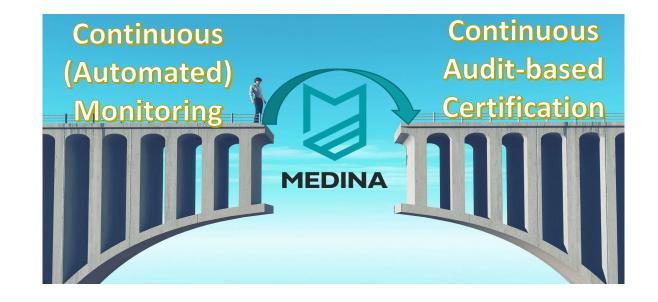


- - provide an standards-based cybersecurity baseline (requirements, audit methods)
 - enable continuous cybersecurity compliance
- - EUCS EU Cybersecurity Certification Scheme for Cloud Services

MEDINA Mission



- MEDINA primarily focuses on the EUCS requirements, where some degree of automation is needed.
- Strong synergies with relevant standards.



MEDINA At a Glance

MEDINA

- ⊌1st November 2020 30th October 2023
- EU Budget 4,480,308.75€













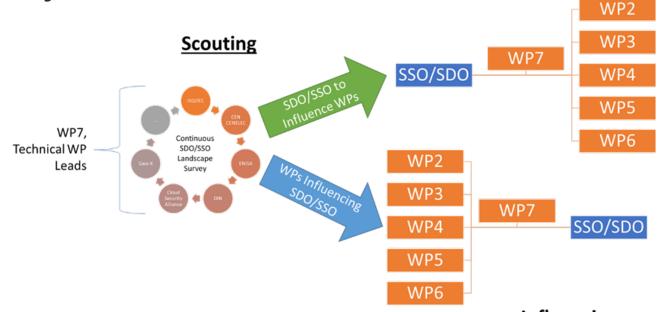






Standardization Objectives in MEDINA





SWForum.eu 2023 Influencing 16.02.2023

Standardization Roadmap (M18)



- ▶ Prioritizes adoption of EUCS, metrics, and automation in compliance assessments.
- □ Continuously revised to integrate new/relevant activities e.g., ETSI CYBER OSCAL.



Topics for Co-operation	Provide implementation guidance about EUCS requirements where some degree of automated monitoring is needed. KR1	Provide audit/assessment guidance related to EUCS requirements needing some degree of automated monitoring.	Provide a catalogue of metrics as part of the implementation guidance for EUCS. KR1	Guidance on selecting tools/technologies for automated (continuous) monitoring.	Support development of machine-readable formats. KR3	Support the notion of continuous (automated) assessments.	Compliance
MEDINA deliverable/results	TOM Implementation Guidance	Developed good practices, for automated management of technical and organizational measures	Catalogue of Controls, (metrics) & Security Schemes D2.1	result of the validation activities	Development of machine-readable formats	Result of the empirical validation of EUCS requirements related to continuous monitoring	Certificate schemes and assurance levels
CSA Cloud Security Alliance Security Metrics	Contributing	Contributing	Fraunhofer Contributing	Contributing			
ENISA European Union Agency for Cybersecurity EUCS	Contributing		Contributing				
ISACA Information Systems Audit and Control Association		Contributing		Contributing			
NIST US National Institute of Standards and Technology Open Security Controls Assessment Language (NIST OSCAL)					Bosch contributing and receiving contribution		
ISO/IEC International Standards Organisation Code of practice for information security controls based on ISO/IEC 27002 for cloud services						Bosch Contributing	
CEN CENELEC European Standards Organisation Management Systems and Control Sets						Bosch Tecnalia Contributing	
GAIA-X AISBL Compliance Group							Bosch Fabasoft Fraunhofer Tecnalia Contributing

low priority

Medium priority

high priority

Standardization: (Selected) Achievements and Next Steps

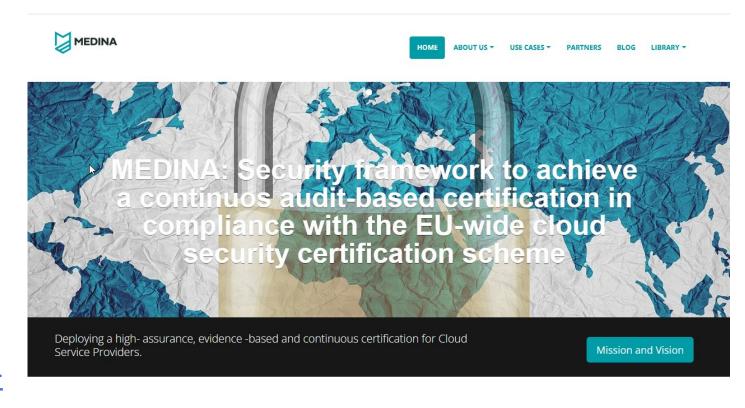


MEDINA Achievements (Feb-2023)	Next Steps (Feb / Oct-2023)	
Major support to ENISA on development/uptake of EUCS	Continuous EUCS1 support (CEN CENELEC), contribution to ENISA guidelines for automation	
Proof-of-concept NIST OSCAL for EUCS catalogue Feedback to NIST SP 800-55	Representation of metrics/assessments, document experiences in whitepaper.	
Adoption of "continuous" for Configuration Management in ISO/IEC 27017	Maintain contribution during upcoming review cycle	

MEDINA – Further Reading



- Further details are available in our public reporting (deliverables) at https://medina-project.eu/public-delivera
- □ Communication materials are available at https://medina-project.eu/communication-materials



MEDINA contributes to the European Cloud Security Certification policy, **enhances the trustworthiness of cloud services** thanks to the compliance **with security certification schemes**, cooperates with relevant stakeholders, and helps Europe prepare for the cloud security challenges of tomorrow.



Thank you!

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