



**EULYNX Initiative**

## **EULYNX Documentation Plan**

Document number: Eu.Doc.11  
Version: 4.1 (0.A)

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ID	Type	Requirement	Description	Document format	Cenelec Ph.	Resp. Cluster	JIRA	current > V 4.0 (0.A)
Eu.Doc.55	Head	<b>1 Introduction</b>						
Eu.Doc.57	Head	<b>1.1 Release information</b>						
Eu.Doc.58	Info	[Eu.Doc.11] EULYNX Documentation plan Cenelec Phase: 1-5 Version: 4.1 (0.A) Approval date: 15.06.2023					EUAR-564 EUAR-613	<b>Object Text:</b> [Eu.Doc.11] EULYNX Documentation plan Cenelec Phase: 1-5 Version: 4.01 (0.A) <del>EULYNX Baseline Set: 4</del> Approval date: <del>25.04.2022</del> 2023 <b>a_JIRA_BL4R2:</b> <a href="#">EUAR-564</a> <a href="#">EUAR-613</a>
Eu.Doc.84	Info	<b>Version history</b>						
Eu.Doc.122	Info	version number: 4.0 (0.A) date: 17.05.2022 author: Mirko Blazic, Nico Huurman review: CCB changes: EUAR-534						
Eu.Doc.123	Info	version number: 4.1 (0.A) date: 27.06.2023 author: Nico Huurman review: CCB changes: EUAR-522, EUAR-564, EUAR-604, EUAR-613						object created after baseline 4.0 (0.A)
Eu.Doc.59	Head	<b>1.2 Impressum</b>						
Eu.Doc.60	Info	Publisher: <b>EULYNX Initiative</b>  A full list of the <b>EULYNX Partners</b> can be found on <a href="http://www.eulynx.eu/index.php/members">www.eulynx.eu/index.php/members</a>						
Eu.Doc.61	Info	Responsible for this document: EULYNX Project Management Office <a href="http://www.eulynx.eu">www.eulynx.eu</a>						
Eu.Doc.83	Info	Copyright EULYNX Partners All information included or disclosed in this document is licensed under the European Union Public Licence EUPL, Version 1.2 or later.					EUAR-604	<b>Object Text:</b> Copyright EULYNX Partners All information included or disclosed in this document is licensed under the European Union Public Licence EUPL, Version 1.2 or later. <b>a_JIRA_BL4R2:</b> <a href="#">EUAR-604</a>
Eu.Doc.62	Head	<b>1.3 Purpose</b>						
Eu.Doc.63	Info	The purpose of this document is to list, identify and define all documents developed by EULYNX.						
Eu.Doc.64	Head	<b>1.4 Appendices</b>						
Eu.Doc.65	Info	[A1] Eu.Doc.11_A1 Appendix A1 Documentation plan and structure						

ID	Type	Requirement	Description	Document format	Cenelec Ph.	Resp. Cluster	JIRA	current > V 4.0 (0.A)
Eu.Doc.56	Head	<b>2 Documents</b>						
Eu.Doc.6	Info	EULYNX Concept	Definition of the concept and purpose of EULYNX.	Text based-DOORS	1	Ref. Arch.		
Eu.Doc.7	Info	EULYNX System definition	Definition of the EULYNX system, its subsystems and adjacent systems. Concept and basic system functions are described.	Text based-DOORS	2	Ref. Arch.		
Eu.Doc.9	Info	EULYNX Glossary	Glossary of terms and abbreviations	Text based-DOORS Table / List	1-5	Ref. Arch.		
Eu.Doc.10	Info	EULYNX Domain Knowledge	Provision of the domain knowledge relevant for textual and modelled specifications of the EULYNX project.	Text based-DOORS	1-5	Ref. Arch.		
Eu.Doc.11	Info	EULYNX Documentation plan	List and structure of EULYNX documents	Text based-DOORS	1-5	Ref. Arch.		
Eu.Doc.12	Info	EULYNX Reference document list	List of all external documents/standards referenced by EULYNX specifications	Text based-DOORS	1-5	Ref. Arch.		
Eu.Doc.13	Info	EULYNX Specification of RAMS requirements	Specification of RAMS requirements for the EULYNX system.	Text based-DOORS	4	Ref. Arch.		
Eu.Doc.14	Info	EULYNX Risk analysis Concept	Concept on risk analysis within the EULYNX system.	Text based-DOORS	3	Ref. Arch.		
Eu.Doc.15	Info	EULYNX Security Concept	Concept on establishing security within the EULYNX System.	Text based-DOORS	2	Ref. Arch.		
Eu.Doc.16	Info	EULYNX System architecture specification	The specification of the system architecture for the EULYNX system. This document provides the guideline for all interface and subsystem specifications.	Text based-DOORS	4	Ref. Arch.		
Eu.Doc.18	Info	Maintenance and data management specification	Specification of all functional, non-functional and technical requirements of the subsystem Maintenance and data management.	Text based-DOORS	4	Ref. Arch.		
Eu.Doc.20	Info	Generic interface and subsystem requirements	Specification of generically defined interface and subsystem requirements for basic functionality	Model based-PTC Modeller Text based-DOORS	4	Ref. Arch.		
Eu.Doc.119	Info	Generic interface and subsystem requirements for SCI	Specification of generically defined interface and subsystem requirements for SCI	Model based-PTC Modeller Text based-DOORS	4	Ref. Arch.		
Eu.Doc.120	Info	Generic interface and subsystem requirements for SMI	Specification of generically defined interface and subsystem requirements for SMI	Model based-PTC Modeller Text based-DOORS	4	Ref. Arch.		
Eu.Doc.92	Info	Interface definition SCI	The top level Cenelec Phase 5 document, presenting the definition of the SCI interfaces	Text based-DOORS	5	Ref. Arch.		

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Eu.Doc.93	Info	Interface specification SCI Generic	The generic interface specification for SCI interfaces	Text based-DOORS	5	Ref. Arch.		
Eu.Doc.77	Info	Interface definition SDI	The generic definition of the SDI interface, applied to all SDI-XX interfaces.	Text based-DOORS	5	Ref. Arch.		
Eu.Doc.94	Info	Interface specification SDI Generic	The generic interface specification for SDI interfaces	Text based-DOORS	5	Ref. Arch.		
Eu.Doc.76	Info	Interface definition and specification SMI	The generic definition and specification of the SMI interface, applied to all SMI-XX interfaces.	Text based-DOORS	5	Ref. Arch.		
Eu.Doc.21	Info	Concept for diagnostics	Concept for diagnostic and monitoring functions of each subsystem of EULYNX.	Text based-DOORS	2	Ref. Arch.		
Eu.Doc.100	Info	Specification of Point of Service-Signalling	Functional and technical requirements of the point of service.	Text based-DOORS	4	Ref. Arch.		
Eu.Doc.25	Info	Guideline for network architecture	Non-mandatory description of network architecture to implement the communication system.	Text based-DOORS	4	Ref. Arch.		
Eu.Doc.27	Info	System engineering process	Description of the engineering process and tooling platform applied in EULYNX.	Text based-DOORS	1-5	M&T		
Eu.Doc.28	Info	Variability and configuration management	Description of the variability and configuration management applied in EULYNX.	Text based-DOORS	1-5	M&T		
Eu.Doc.29	Info	Interpretation rules for model-based requirements	Guideline on interpretation of the model based requirements	Text based-DOORS	4-5	M&T		
Eu.Doc.30	Info	Modelling standard	Description of modelling methodology and language applied in EULYNX.	Text based-DOORS	4-5	M&T		
Eu.Doc.31	Info	Verification and validation plan	Verification and validation process for modelled specifications. Generic document relevant for all EULYNX partners.	Text based-DOORS	2-5	M&T		
Eu.Doc.32	Info	Requirements specification for subsystem Light Signal	Specification of the functional, non-functional and technical requirements for the subsystem Light Signal and functional requirements for interface SCI-LS	Model based-PTC Modeller Text based-DOORS	4	SCI-LS		
Eu.Doc.33	Info	Interface specification SCI-LS	The technical requirements for the process data interface SCI-LS	Text based-DOORS	5	SCI-LS		
Eu.Doc.78	Info	Interface specification SDI-LS	The interface specification for the interface SDI-LS	Text based-DOORS	5	SCI-LS		
Eu.Doc.37	Info	Signal aspect table	Reference to all required signal aspects to be used by all EULYNX clusters	Table / List	4-5	SCI-LS		

ID	Type	Requirement	Description	Document format	Cenelec Ph.	Resp. Cluster	JIRA	current > V 4.0 (0.A)
Eu.Doc.36	Info	Requirements specification for subsystem Point	Specification of the functional, non-functional and technical requirements for the subsystem Point and functional requirements for interface SCI-P	Model based-PTC Modeller Text based-DOORS	4	SCI-P		
Eu.Doc.38	Info	Interface specification SCI-P	The technical requirements for the process data interface SCI-P.	Text based-DOORS	5	SCI-P		
Eu.Doc.80	Info	Interface specification SDI-P	The interface specification for the interface SDI-P	Text based-DOORS	5	SCI-P		
Eu.Doc.108	Info	Requirements specification for subsystem Level Crossing	Specification of the functional, non-functional and technical requirements for the subsystem Level Crossing and functional requirements for interface SCI-LC	Model based-PTC Modeller Text based-DOORS	4	SCI-LC		
Eu.Doc.109	Info	Interface specification SCI-LC	The technical requirements for the process data interface SCI-LC	Text based-DOORS	5	SCI-LC		
Eu.Doc.110	Info	Interface specification SDI-LC	The interface specification for the interface SDI-LC	Text based-DOORS	5	SCI-LC		
Eu.Doc.111	Info	Requirements specification for External Level Crossing System	Specification of the functional requirements for the interface SCI-LX	Model based-PTC Modeller Text based-DOORS	4	SCI-LX	EUAR-522	<b>Object Text:</b> Requirements specification for <del>SCI-LX</del> <a href="#">External Level Crossing System</a> <b>a_JIRA_BL4R2:</b> <a href="#">EUAR-522</a>
Eu.Doc.112	Info	Interface specification SCI-LX	The technical requirements for the process data interface SCI-LX	Text based-DOORS	5	SCI-LX		
Eu.Doc.41	Info	Requirements specification for SCI-ILS	Specification of the functional requirements for the interface SCI-ILS	Model based-PTC Modeller Text based-DOORS	4	SCI-ILS		
Eu.Doc.42	Info	Interface specification SCI-ILS	The technical requirements for the process data interface SCI-ILS.	Text based-DOORS	5	SCI-ILS		
Eu.Doc.43	Info	Requirements specification for subsystem Train Detection System	Specification of the functional, non-functional and technical requirements for the subsystem Train Detection System and functional requirements for interface SCI-TDS	Model based-PTC Modeller Text based-DOORS	4	SCI-TDS		
Eu.Doc.44	Info	Interface specification SCI-TDS	The technical requirements for the process data interface SCI-TDS.	Text based-DOORS	5	SCI-TDS		
Eu.Doc.81	Info	Interface specification SDI-TDS	The interface specification for the interface SDI-TDS	Text based-DOORS	5	SCI-TDS		
Eu.Doc.45	Info	Requirements specification for subsystem Generic IO	Specification of the functional, non-functional and technical requirements for the subsystem Generic IO and functional requirements for interface SCI-IO	Model based-PTC Modeller Text based-DOORS	4	SCI-IO		
Eu.Doc.46	Info	Interface specification SCI-IO	The technical requirements for the process data interface SCI-IO.	Text based-DOORS	5	SCI-IO		

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Eu.Doc.82	Info	Interface specification SDI-IO	The interface specification for the interface SDI-IO	Text based-DOORS	5	SCI-IO		
Eu.Doc.47	Info	Requirements specification for SCI-RBC	Specification of the functional requirements for the interface SCI-RBC	Model based-PTC Modeller Text based-DOORS	4	SCI-RBC		
Eu.Doc.48	Info	Interface specification SCI-RBC	The technical requirements for the process data interface SCI-RBC	Text based-DOORS	5	SCI-RBC		
Eu.Doc.49	Info	Requirements specification for SCI-CC	Specification of the functional requirements for the interface SCI-CC	Model based-PTC Modeller Text based-DOORS	4	SCI-CC		
Eu.Doc.50	Info	Interface specification SCI-CC	The technical requirements for the process data interface SCI-CC	Text based-DOORS	5	SCI-CC		
Eu.Doc.51	Info	EULYNX Data preparation requirements	Specification of requirements for EULYNX data preparation.	Text based-DOORS	2	Data Prep		
Eu.Doc.114	Info	EULYNX Security Specification	Specification for the security requirements on the EULYNX architecture, including communication interfaces and system components, as well as required processes.	Text based-DOORS	4	Security		
Eu.Doc.115	Info	EULYNX Security Parameter Specification	Specification of detailed requirements for parametrisation related to security.	Text based-DOORS	4	Security		
Eu.Doc.116	Info	EULYNX Security Threat and Risk Analysis	Risk assessment applied to the EULYNX architecture, starting from threats and their impact on subsystems (zones/conduits), assigning measures/requirements from ISO 62443 and adding compensating measures for efficiency and to allow risk acceptance.	Text based-DOORS	3	Security		
Eu.Doc.117	Info	Interface definition and specification SSI	The generic definition and specification of the standard security interface SSI, applied to all SSI-XX interfaces.	Text based-DOORS	5	Security		
Eu.Doc.121	Info	Security services specifications	Specification of all functional, non-functional and technical requirements of the subsystem Security services platform.	Text based-DOORS	4	Security		