EULYNX

EULYNX Initiative

Europe's Rail

Europe's Rail Joint Undertaking

Generic interface and subsystem requirements

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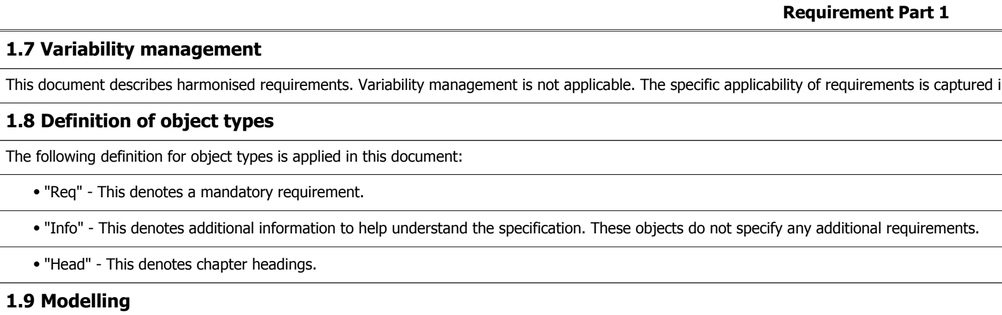
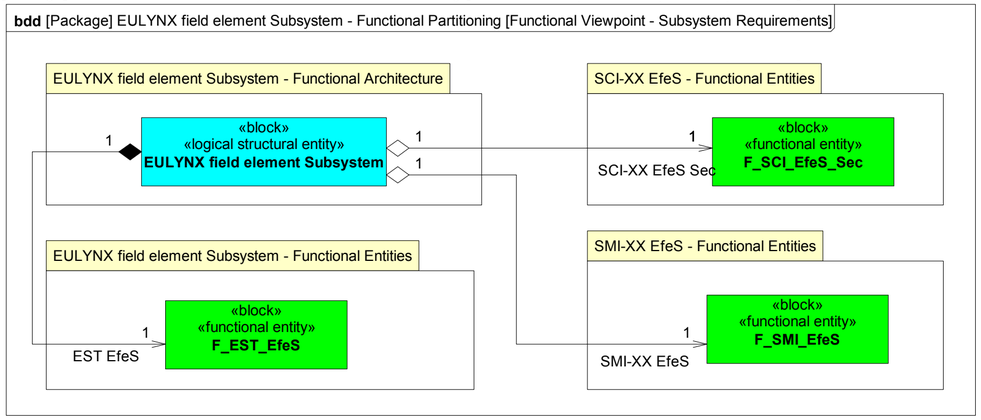
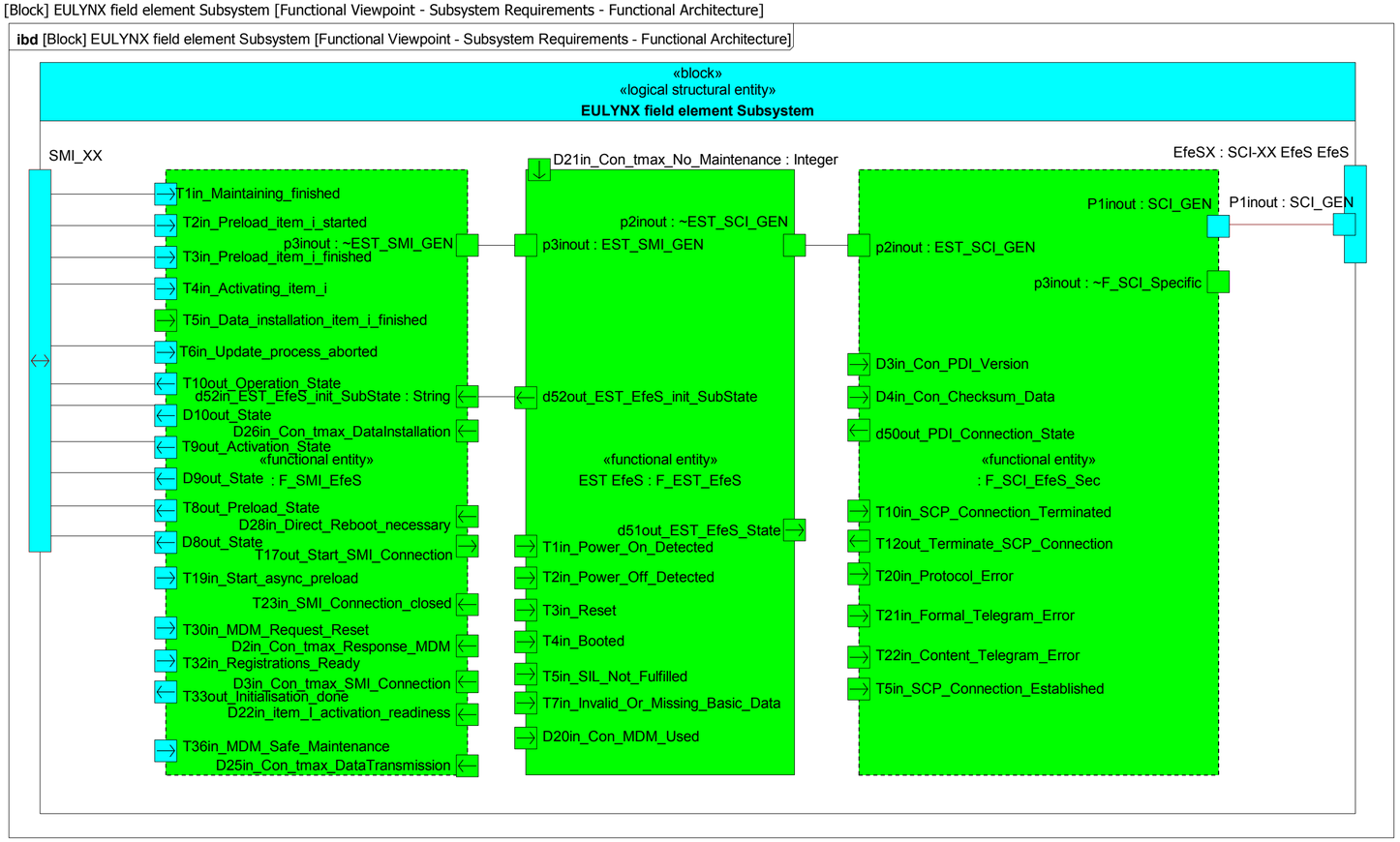
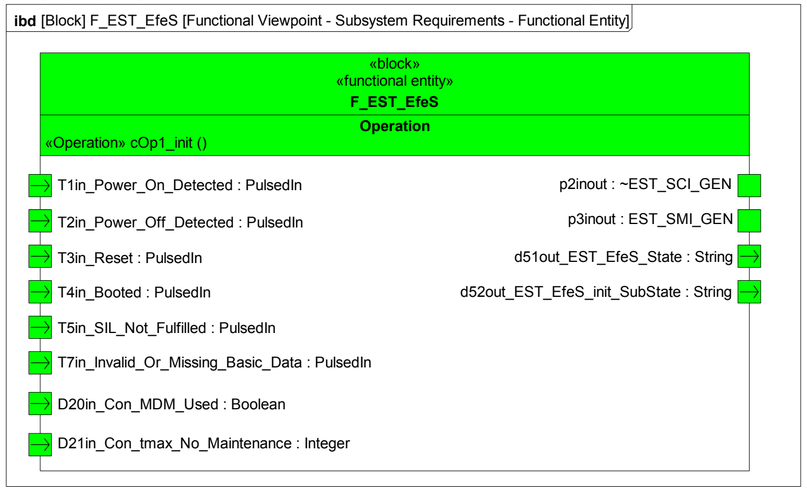
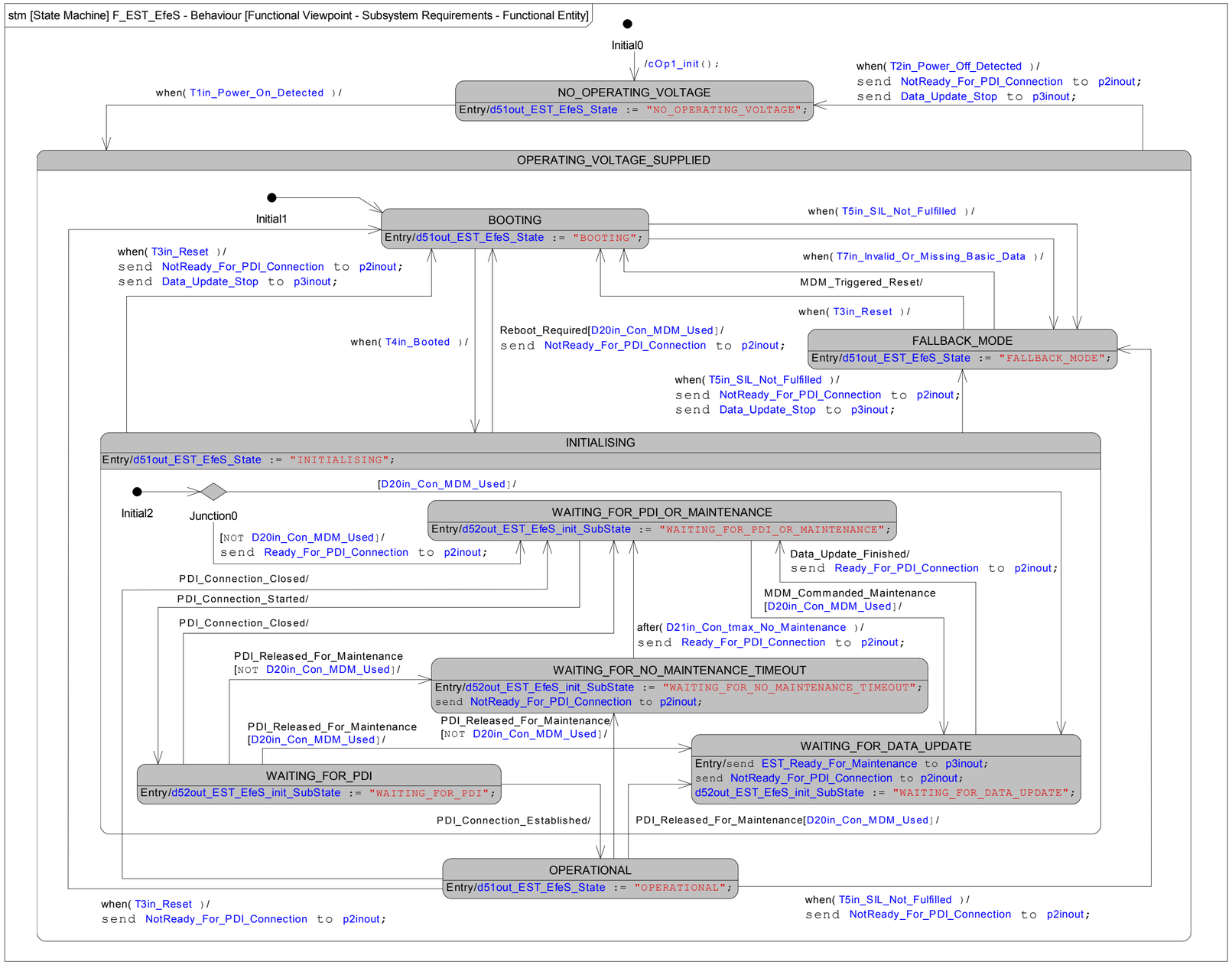
Contents

ID	Type	Requirement Part 1	Requirement Part 2
Eu.Gen.1	Head	**1 Introduction**	
Eu.Gen.5	Head	**1.1 Release information**	
Eu.Gen.6	Info	[Eu.Doc.20] EULYNX Generic interface and subsystem requirements CENELEC Phase: 4 Version: 4.0 (3.A) Approval date: 15.06.2023	
Eu.Gen.7	Info	**Version history**	
Eu.Gen.4249	Info	version number: 4.0 (0.A) date: 16.05.2022 author: Dennis Kunz, Filip Giering generic profile version: 18 review: CCB changes: EUAR-508, EUAR-510, EUAR-523, EUAR-524, EUAR-526	
Eu.Gen.4251	Info	version number: 4.0 (1.A) date: 31.03.2023 author: Filip Giering generic profile version: 21 review: changes: EUAR-564, EUAR-572, EUAR-576	
Eu.Gen.4254	Info	version number: 4.0 (2.A) date: 11.05.2023 author: Filip Giering model version: 22 review: cluster changes: EUAR-589, EUAR-593	
Eu.Gen.4256	Info	version number: 4.0 (3.A) date: 27.06.2023 author: Filip Giering model version: 22 review: TACS Mirror Group changes: EUAR-594, EUAR-612, EUAR-613	
Eu.Gen.14	Head	**1.2 Impressum**	
Eu.Gen.15	Info	Publishers: **Europe's Rail Joint Undertaking** https://rail-research.europa.eu/ **EULYNX Initiative** A full list of the EULYNX Partners can be found on www.eulynx.eu/index.php/members	
Eu.Gen.16	Info	Responsible for this document: EU-Rail System Pillar Trackside Assets Control and Supervision domain	
Eu.Gen.17	Info	Copyright EULYNX Partners All information included or disclosed in this document is licensed under the European Union Public License EUPL, Version 1.2 or later.	
Eu.Gen.3	Head	**1.3 Purpose**	
Eu.Gen.4	Info	The purpose of the document is the specification of generic requirements.	
Eu.Gen.2	Info	This document describes: • generic functional requirements for a EULYNX field element Subsystem	
Eu.Gen.18	Info	This document is intended for the following users: • safety authorities • infrastructure managers • safety assessors • signalling system suppliers • validators	
Eu.Gen.19	Info	This document is the basis for the implementation by the supplier and for approval by the infrastructure manager.	
Eu.Gen.4255	Info	This document is applicable for both the EU-Rail System Pillar target architecture and the EULYNX architecture. The document is delivered as a single specification fitting both the System Pillar documentation sets and the EULYNX documentation sets. EU-Rail System Pillar is the technical authority for this document.	
Eu.Gen.20	Head	**1.4 Applicable standards and regulations**	
Eu.Gen.21	Info	A list of applicable standards and regulations used in EULYNX is listed in the EULYNX Reference Document List [Eu.Doc.12].	
Eu.Gen.22	Head	**1.5 Applicable documents**	
Eu.Gen.23	Info	The current versions of documents used as input or related to this document are listed in the EULYNX Documentation Plan [Eu.Doc.11]. The relationships between the documents are displayed in the Appendix A1 Documentation plan and structure [Eu.Doc.11_A1].	
Eu.Gen.24	Head	**1.6 Terms and abbreviations**	
Eu.Gen.25	Info	The terms and abbreviations are listed in the EULYNX Glossary [Eu.Doc.9].	

ID	Type	Requirement Part 1	Requirement Part 2
Eu.Gen.376	Head	**1.7 Variability management**	
Eu.Gen.377	Info	This document describes harmonised requirements. Variability management is not applicable. The specific applicability of requirements is captured in individual interface specifications.	
Eu.Gen.26	Head	**1.8 Definition of object types**	
Eu.Gen.27	Info	The following definition for object types is applied in this document:	
Eu.Gen.28	Info	• "Req" - This denotes a mandatory requirement.	
Eu.Gen.29	Info	• "Info" - This denotes additional information to help understand the specification. These objects do not specify any additional requirements.	
Eu.Gen.30	Info	• "Head" - This denotes chapter headings.	
Eu.Gen.31	Head	**1.9 Modelling**	
Eu.Gen.32	Info	The section "Generic requirements for subsystems" follows a model based systems engineering process using Systems Modelling Language (SysML) and defines the functional system requirements for the EULYNX field element Subsystem in stimulus-response form.	
Eu.Gen.33	Info	The diagrams presented in this document are modelled in SysML [SysML].	
Eu.Gen.34	Info	The rules for the interpretation of the model based parts of specification are defined in [Eu.Doc.29].	
Eu.Gen.35	Info	In chapter 3 "Generic requirements for subsystems" the functional system requirements, defined in the form of a SysML model in the PTC Integrity Modeler are depicted as a surrogate of this model in the form of DOORS-objects.	
Eu.Gen.36	Info	A requirement thereby consists of the respective SysML model element, for instance a SysML diagram, and if necessary an additional extension of the requirement.	
Eu.Gen.37	Info	In the column “Requirement Part 1” the particular SysML model element is depicted and in the column “Requirement Part 2” the corresponding extension of the definition is given. The stated object type normally applies both to “Requirement Part 1” and to “Requirement Part 2”.	
Eu.Gen.38	Info	There are requirements with type "Req" given, where the column "Requirement Part 2" or a part of it is provided with the heading "Information". In this case, the defined type only applies to the column "Requirement Part 1" and the part of "Requirement Part 2", which is not labelled as "Information".	
Eu.Gen.48	Head	**2 Conditions of use**	
Eu.Gen.369	Info	The specifications defined in this document shall follow the requirements of the EULYNX System Architecture Specification [Eu.Doc.16].	
Eu.Gen.49	Head	**3 Generic requirements for subsystems**	
Eu.Gen.113	Head	**3.1 EULYNX field element Subsystem**	
Eu.Gen.162	Head	**3.1.1 EULYNX field element Subsystem - General Infos and Assumptions**	
Eu.Gen.4198	Head	**3.1.1.1 EULYNX field element Subsystem - Internal Information Flows**	
Eu.Gen.4199	Info	[Package] EULYNX field element Subsystem - Internal Information Flows [Subsystem Requirements - Direction of Information Objects] 	
Eu.Gen.4236	Info	Data_Update_Finished	
Eu.Gen.4237	Info	Data_Update_Stop	
Eu.Gen.4238	Info	EST_Ready_For_Maintenance	
Eu.Gen.4239	Info	MDM_Commanded_Maintenance	
Eu.Gen.4240	Info	MDM_Triggered_Reset	
Eu.Gen.4241	Info	NotReady_For_PDI_Connection	
Eu.Gen.4242	Info	PDI_Connection_Closed	
Eu.Gen.4243	Info	PDI_Connection_Established	
Eu.Gen.4244	Info	PDI_Connection_Started	
Eu.Gen.4245	Info	PDI_Released_For_Maintenance	
Eu.Gen.4246	Info	Ready_For_PDI_Connection	
Eu.Gen.4247	Info	Reboot_Required	
Eu.Gen.3625	Head	**3.1.2 EULYNX field element Subsystem - Functional Viewpoint**	
Eu.Gen.3272	Head	**3.1.2.1 Definition of time values**	

ID	Type	Requirement Part 1	Requirement Part 2
Eu.Gen.4250	Req	Con_tmax_No_Maintenance	If a EULYNX field element Subsystem does not use the Subsystem MDM and it received a maintenance release request from Subsystem - Electronic Interlocking it becomes ready again for a PDI connection after this configured time period. The valid range is between 1s and 30s with a default value of 10s. Note: A non-zero waiting time is needed to avoid fast looping in the interaction between EIL and EfeS.
Eu.Gen.3287	Head	**3.1.2.2 EULYNX field element Subsystem - Functional Partitioning**	
Eu.Gen.4197	Info	[Package] EULYNX field element Subsystem - Functional Partitioning [Functional Viewpoint - Subsystem Requirements] 	
Eu.Gen.3278	Head	**3.1.2.3 EULYNX field element Subsystem - Functional Architecture**	
Eu.Gen.4153	Info	EULYNX field element Subsystem	
Eu.Gen.4154	Info	[Block] EULYNX field element Subsystem [Functional Viewpoint - Subsystem Requirements - Functional Architecture] 	
Eu.Gen.4155	Info	EfeSX	
Eu.Gen.4156	Info	SMI_XX	

ID	Type	Requirement Part 1	Requirement Part 2
Eu.Gen.3623	Head	**3.1.2.4 EULYNX field element Subsystem - Functional Entities**	
Eu.Gen.3288	Info	F_EST_EfeS	
Eu.Gen.3333	Info	[Block] F_EST_EfeS [Functional Viewpoint - Subsystem Requirements - Functional Entity] 	
Eu.Gen.3289	Info	d52out_EST_EfeS_init_SubState := "unknown";	cOp1_init
Eu.Gen.3341	Info	T1in_Power_On_Detected	The port T1in_Power_On_Detected indicates that the voltage reaches the permitted range for operation.
Eu.Gen.3344	Info	T2in_Power_Off_Detected	The port T2in_Power_Off_Detected indicates that voltage leaves the permitted range for operation.
Eu.Gen.3345	Info	T3in_Reset	The port T3in_Reset represents the receiving of the request Local_Reset from Maintainer.
Eu.Gen.3346	Info	T4in_Booted	The port T4in_Booted indicates that the booting process was completed successfully. T4in_Booted shall be trigged under the following conditions: - all conditions for the required Safety Integrity Level are fulfilled - the basic data is valid and complete - the safe communication protocol connection is disconnected - the time synchronisation was initiated
Eu.Gen.3347	Info	T5in_SIL_Not_Fulfilled	The port T5in_SIL_Not_Fulfilled indicates that at least one condition for the needed Safety Integrity Level is not fulfilled.
Eu.Gen.3348	Info	T7in_Invalid_Or_Missing_Basic_Data	The port T7in_Invalid_Or_Missing_Basic_Data indicates a failed validity check of Basic Data on the system data interface to Basic Data identifier.
Eu.Gen.3290	Info	D20in_Con_MDM_Used	The port D20in_Con_MDM_Used provides configuration values whether the MDM is used during initialisation. The following values are permitted: - true: MDM is used - false: MDM is not used
Eu.Gen.4230	Info	D21in_Con_tmax_No_Maintenance	The port D21in_Con_tmax_No_Maintenance refines the time value Con_tmax_No_Maintenance.
Eu.Gen.3292	Info	d51out_EST_EfeS_State	The port d51out_EST_EfeS_State indicates the current essential state of the EULYNX field element Subsystem. This Operation_State is displayed at the local status display for the Maintainer.
Eu.Gen.4171	Info	d52out_EST_EfeS_init_SubState	The port d52out_EST_EfeS_init_SubState indicates the current substate within the essential state INITIALISING of the EULYNX field element Subsystem.
Eu.Gen.4195	Info	p2inout	
Eu.Gen.4196	Info	p3inout	
Eu.Gen.3293	Info	F_EST_EfeS - Behaviour	

ID	Type	Requirement Part 1	Requirement Part 2
Eu.Gen.3294	Info	Functional Viewpoint - Subsystem Requirements - Functional Entity 	
Eu.Gen.3295	Info	Initial0	
Eu.Gen.3296	Req	/cOp1_init();{Initial0 - NO_OPERATING_VOLTAGE}	
Eu.Gen.3297	Info	NO_OPERATING_VOLTAGE	
Eu.Gen.3299	Req	when(T1in_Power_On_Detected)/{NO_OPERATING_VOLTAGE - OPERATING_VOLTAGE_SUPPLIED}	
Eu.Gen.4172	Req	entry/d51out_EST_EfeS_State := "NO_OPERATING_VOLTAGE";{State-internal in NO_OPERATING_VOLTAGE}	
Eu.Gen.3300	Info	OPERATING_VOLTAGE_SUPPLIED	
Eu.Gen.3301	Info	BOOTING	
Eu.Gen.3304	Req	when(T4in_Booted)/{BOOTING - INITIALISING}	
Eu.Gen.3305	Req	when(T5in_SIL_Not_Fulfilled)/{BOOTING - FALLBACK_MODE}	
Eu.Gen.3306	Req	when(T7in_Invalid_Or_Missing_Basic_Data)/{BOOTING - FALLBACK_MODE}	

ID	Type	Requirement Part 1	Requirement Part 2
Eu.Gen.4173	Req	entry/d51out_EST_EfeS_State := "BOOTING";{State-internal in BOOTING}	
Eu.Gen.3307	Info	FALLBACK_MODE	
Eu.Gen.3309	Req	when(T3in_Reset)/{FALLBACK_MODE - BOOTING}	
Eu.Gen.4174	Req	MDM_Triggered_Reset/{FALLBACK_MODE - BOOTING}	
Eu.Gen.4175	Req	entry/d51out_EST_EfeS_State := "FALLBACK_MODE";{State-internal in FALLBACK_MODE}	
Eu.Gen.3310	Info	Initial1	
Eu.Gen.3311	Req	/{Initial1 - BOOTING}	
Eu.Gen.3327	Info	OPERATIONAL	
Eu.Gen.3330	Req	when(T3in_Reset)/ send NotReady_For_PDI_Connection to p2inout;{OPERATIONAL - BOOTING}	
Eu.Gen.3331	Req	when(T5in_SIL_Not_Fulfilled)/ send NotReady_For_PDI_Connection to p2inout;{OPERATIONAL - FALLBACK_MODE}	
Eu.Gen.3325	Req	PDI_Connection_Closed/{OPERATIONAL - WAITING_FOR_PDI_OR_MAINTENANCE}	
Eu.Gen.4194	Req	entry/d51out_EST_EfeS_State := "OPERATIONAL";{State-internal in OPERATIONAL}	
Eu.Gen.4229	Req	PDI_Released_For_Maintenance[D20in_Con_MDM_Used]/{OPERATIONAL - WAITING_FOR_DATA_UPDATE}	
Eu.Gen.4235	Req	PDI_Released_For_Maintenance[NOT D20in_Con_MDM_Used]/{OPERATIONAL - WAITING_FOR_NO_MAINTENANCE_TIMEOUT}	
Eu.Gen.3332	Req	when(T2in_Power_Off_Detected)/ send NotReady_For_PDI_Connection to p2inout; send Data_Update_Stop to p3inout;{OPERATING_VOLTAGE_SUPPLIED - NO_OPERATING_VOLTAGE}	
Eu.Gen.4176	Info	INITIALISING	
Eu.Gen.4177	Info	Initial2	
Eu.Gen.4178	Req	/{Initial2 - Junction0}	
Eu.Gen.4179	Req	Reboot_Required[D20in_Con_MDM_Used]/ send NotReady_For_PDI_Connection to p2inout;{INITIALISING - BOOTING}	
Eu.Gen.4180	Req	entry/d51out_EST_EfeS_State := "INITIALISING";{State-internal in INITIALISING}	
Eu.Gen.4181	Info	WAITING_FOR_DATA_UPDATE	
Eu.Gen.4182	Req	Data_Update_Finished/ send Ready_For_PDI_Connection to p2inout;{WAITING_FOR_DATA_UPDATE - WAITING_FOR_PDI_OR_MAINTENANCE}	
Eu.Gen.4183	Req	entry/send EST_Ready_For_Maintenance to p3inout; send NotReady_For_PDI_Connection to p2inout; d52out_EST_EfeS_init_SubState := "WAITING_FOR_DATA_UPDATE";{State-internal in WAITING_FOR_DATA_UPDATE}	
Eu.Gen.4184	Info	WAITING_FOR_PDI	
Eu.Gen.4185	Req	PDI_Connection_Closed/{WAITING_FOR_PDI - WAITING_FOR_PDI_OR_MAINTENANCE}	
Eu.Gen.3320	Req	PDI_Connection_Established/{WAITING_FOR_PDI - OPERATIONAL}	
Eu.Gen.4186	Req	PDI_Released_For_Maintenance[D20in_Con_MDM_Used]/{WAITING_FOR_PDI - WAITING_FOR_DATA_UPDATE}	
Eu.Gen.4187	Req	entry/d52out_EST_EfeS_init_SubState := "WAITING_FOR_PDI";{State-internal in WAITING_FOR_PDI}	
Eu.Gen.4234	Req	PDI_Released_For_Maintenance[NOT D20in_Con_MDM_Used]/{WAITING_FOR_PDI - WAITING_FOR_NO_MAINTENANCE_TIMEOUT}	
Eu.Gen.4188	Info	WAITING_FOR_PDI_OR_MAINTENANCE	
Eu.Gen.4189	Req	MDM_Commanded_Maintenance[D20in_Con_MDM_Used]/{WAITING_FOR_PDI_OR_MAINTENANCE - WAITING_FOR_DATA_UPDATE}	
Eu.Gen.4190	Req	PDI_Connection_Started/{WAITING_FOR_PDI_OR_MAINTENANCE - WAITING_FOR_PDI}	
Eu.Gen.4191	Req	entry/d52out_EST_EfeS_init_SubState := "WAITING_FOR_PDI_OR_MAINTENANCE";{State-internal in WAITING_FOR_PDI_OR_MAINTENANCE}	
Eu.Gen.3318	Req	when(T3in_Reset)/ send NotReady_For_PDI_Connection to p2inout; send Data_Update_Stop to p3inout;{INITIALISING - BOOTING}	
Eu.Gen.3319	Req	when(T5in_SIL_Not_Fulfilled)/ send NotReady_For_PDI_Connection to p2inout; send Data_Update_Stop to p3inout;{INITIALISING - FALLBACK_MODE}	
Eu.Gen.3321	Info	Junction0	
Eu.Gen.3322	Req	[NOT D20in_Con_MDM_Used]/ send Ready_For_PDI_Connection to p2inout;{Junction0 - WAITING_FOR_PDI_OR_MAINTENANCE}	
Eu.Gen.3323	Req	[D20in_Con_MDM_Used]/{Junction0 - WAITING_FOR_DATA_UPDATE}	
Eu.Gen.4231	Info	WAITING_FOR_NO_MAINTENANCE_TIMEOUT	
Eu.Gen.4232	Req	after(D21in_Con_tmax_No_Maintenance)/ send Ready_For_PDI_Connection to p2inout;{WAITING_FOR_NO_MAINTENANCE_TIMEOUT - WAITING_FOR_PDI_OR_MAINTENANCE}	
Eu.Gen.4233	Req	entry/d52out_EST_EfeS_init_SubState := "WAITING_FOR_NO_MAINTENANCE_TIMEOUT"; send NotReady_For_PDI_Connection to p2inout;{State-internal in WAITING_FOR_NO_MAINTENANCE_TIMEOUT}	
Eu.Gen.4215	Head	**3.1.3 EULYNX field element Subsystem - Interfaces**	

ID	Type	Requirement Part 1	Requirement Part 2
Eu.Gen.115	Head	**3.1.3.1 Interface to Basic Data Identifier**	
Eu.Gen.114	Head	**3.1.3.1.1 Basic Data Identifier Interface - Information Flows**	
Eu.Gen.116	Info	Basic_Data_Identifier	Definition of the InformationFlow (by FlowSpecification) for the interface to Basic Data identifier.
Eu.Gen.117	Req	Basic_Data	The Basic_Data are the basis for booting the EULYNX field element Subsystem. The Basic_Data enables the EULYNX field element Subsystem to become operational.
Eu.Gen.3613	Head	**3.1.3.2 Interface to Maintainer**	
Eu.Gen.3614	Head	**3.1.3.2.1 Maintainer Interface - Information Flows**	
Eu.Gen.3615	Info	Maintainer	
Eu.Gen.3616	Req	Ethernet_Connection_ETH1	Display of the status of the Ethernet_Connection_ETH1 of the EULYNX field element Subsystem at the local status display.
Eu.Gen.3617	Req	Ethernet_Connection_ETH2	Display of the status of the Ethernet_Connection_ETH2 of the EULYNX field element Subsystem at the local status display.
Eu.Gen.3618	Req	Local_Reset	Local request to reset the EULYNX field element Subsystem.
Eu.Gen.3619	Req	Operation_State	Display of the status of the operation state of the EULYNX field element Subsystem at the local status display.
Eu.Gen.3886	Head	**4 RAMSS requirements**	
Eu.Gen.3888	Info	The requirements for reliability, availability, maintainability, safety and security shall be defined by national specifications. Note: In future phases of the System Pillar, national specifications will be replaced by harmonised specifications.	
Eu.Gen.3887	Head	**5 Technical requirements**	
Eu.Gen.3889	Info	Additional technical requirements shall be defined by national specifications. Note: In future phases of the System Pillar, national specifications will be replaced by harmonised specifications.	
Eu.Gen.3890	Head	**5.1 Generic technical interface requirements**	
Eu.Gen.3891	Head	**5.1.1 Interface to the Point of Service – Signalling (PoS-Signalling)**	
Eu.Gen.3892	Req	The EULYNX field element Subsystem shall meet the requirements of the PoS-Signalling as defined in [Eu.Doc.100].	
Eu.Gen.3904	Head	**5.1.1.1 QoS**	
Eu.Gen.3905	Req	The EULYNX field element Subsystem shall meet or expect the QoS requirements as defined in Eu.PoS.1 (see [Eu.Doc.100]).	
Eu.Gen.3913	Head	**5.1.2 Interface to the Point of Power – Output (PoP-O)**	
Eu.Gen.3914	Info	These requirements shall be defined by national specifications. Note: In future phases of the System Pillar, national specifications will be replaced by harmonised specifications.	
Eu.Gen.3915	Head	**5.1.3 Interface to Basic Data identifier**	
Eu.Gen.3918	Req	The basic data of the EULYNX field element subsystem shall be stored on a data carrier (Basic Data identifier).	
Eu.Gen.3919	Req	The Basic Data identifier shall be permanently assigned to the slot of the component of the EULYNX field element Subsystem (subsystem controller). To avoid erroneous assignments, the Basic Data identifier shall be attached to the subsystem in a manner that it remains assigned to that subsystem when a subsystem controller is replaced. Note: The implementation of the Basic Data identifier is left to the suppliers. This is not specified by EULYNX.	
Eu.Gen.3916	Head	**5.1.4 Local status display interface**	
Eu.Gen.3917	Info	These requirements shall be defined by national specifications. Note: In future phases of the System Pillar, national specifications will be replaced by harmonised specifications.	
Eu.Gen.3920	Head	**5.2 Electrical subsystem requirements**	
Eu.Gen.3921	Info	These requirements shall be defined by national specifications. Note: In future phases of the System Pillar, national specifications will be replaced by harmonised specifications.	
Eu.Gen.3922	Head	**5.3 Constructive subsystem requirements**	
Eu.Gen.3923	Info	These requirements shall be defined by national specifications. Note: In future phases of the System Pillar, national specifications will be replaced by harmonised specifications.	
Eu.Gen.3924	Head	**5.4 Configuration and engineering data**	
Eu.Gen.3925	Head	**5.4.1 Generic data**	
Eu.Gen.3926	Req	The minimum configuration and engineering data for the EULYNX field element Subsystem is specified in Eu.SAS.1755.	
Eu.Gen.3929	Req	The PDI connection from the EULYNX field element Subsystem to the Subsystem - Electronic Interlocking shall be assigned to exactly one safe communication by configuration.	
Eu.Gen.3927	Req	The validity of the configuration and engineering data shall be determined using the checksum method.	
Eu.Gen.3930	Req	The CSS and CSNS shall be calculated with [MD5] (16 Bytes).	
Eu.Gen.3931	Head	**5.4.2 Data designation**	
Eu.Gen.3932	Info	The naming of the data files is not based on version counting, but on timestamps.	

ID	Type	Requirement Part 1	Requirement Part 2
Eu.Gen.3933	Req	The configuration and engineering data are stored in the Subsystem - Maintenance and Data Management as individual files for each instance of a EULYNX field element Subsystem.	
Eu.Gen.3938	Req	The file designations of the configuration and engineering files shall be created in accordance with the following schema:	
Eu.Gen.3937	Req	• the file name for SRD (safety-relevant data) is "SubS_ID_SRD_yyyymmdd_hhmm" Note: The part 'SubS_ID' refers to the technical identifier is specified in Eu.SAS.77 [Eu.Doc.16].	
Eu.Gen.3939	Req	• the file name for CSS is "SubS_ID_CSS_yyyymmdd_hhmm" Note: The CSS is also loaded in the Subsystem - Electronic Interlocking.	
Eu.Gen.3936	Req	• the file name for NSRD (non safety-relevant data) is "SubS_ID_NSRD_yyyymmdd_hhmm"	
Eu.Gen.3935	Req	• the file name for CSNS is "SubS_ID_CSNS_yyyymmdd_hhmm"	
Eu.Gen.3934	Req	• the file name for the diagnostic configuration is "SubS_ID_DC_yyyymmdd_hhmm" Note: With this file, the data for the Maintenance and Data Management (SNMP, MIB, OPC UA config) is provided for processing or opening the diagnostic data. No checksum is required for the diagnostic data from a safety point of view.	
Eu.Gen.4252	Head	**5.5 Time behaviour**	
Eu.Gen.4253	Info	All functions of the state "BOOTING" shall be completed by the subsystem within a defined time after the detection of the operating voltage at the Point of Power - Output (PoP-O). This time shall be defined by national specifications. Note: In future phases of the System Pillar, national specifications will be replaced by harmonised specifications.	