



EULYNX Initiative



Europe's Rail Joint Undertaking

Interface specification SCI-P

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ID	Type	Requirement	Funct. Pkg	JIRA	V 4.2 (1.A) > V 4.2 (0.A)
Eu.SCI-P.PDI.4	Head	1 Introduction			
Eu.SCI-P.PDI.5	Head	1.1 Release information			
Eu.SCI-P.PDI.6	Info	[Eu.Doc.38] Interface specification SCI-P CENELEC Phase: 5 Version: 4.2 (1.A) Approval date: 29.05.2024			Object Text: [Eu.Doc.38] Interface specification SCI-P CENELEC Phase: 5 Version: 4.2 (0 1.A) Approval date: 15 29.0605.20232024
Eu.SCI-P.PDI.1	Info	Version history			
Eu.SCI-P.PDI.288	Info	version number: 4.0 (0.A) date: 16.05.2022 author: Andreas Staudte review: CCB changes: EUP-386, EUP-387, EUP-390			
Eu.SCI-P.PDI.289	Info	version number: 4.1 (0.A) date: 14.04.2023 author: Philipp Wolber, Filip Giering review: changes: EUP-429, EUP-436, EUP-437, EUP-445			
Eu.SCI-P.PDI.290	Info	version number: 4.1 (1.A) date: 01.06.2023 author: Dominik Smajgl, Philipp Wolber review: cluster changes: EUP-454, EUP-481, EUP-492, EUP-498			
Eu.SCI-P.PDI.293	Info	version number: 4.2 (0.A) date: 27.06.2023 author: Philipp Wolber review: TACS Mirror Group changes: EUP-502, EUP-504, EUP-506, EUP-510			
Eu.SCI-P.PDI.294	Info	version number: 4.2 (1.A) date: 19.06.2024 author: Philipp Wolber review: TACS Mirror Group changes: EUP-554, EUP-559, EUP-571			object created after baseline 4.2 (0.A)
Eu.SCI-P.PDI.7	Head	1.2 Impressum			
Eu.SCI-P.PDI.8	Info	Publishers: Europe's Rail Joint Undertaking https://rail-research.europa.eu EULYNX Initiative https://eulynx.eu/		EUP-559	Object Text: 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. https://eulynx.eu/index.php/members a_JIRA_BL4R3: EUP-559
Eu.SCI-P.PDI.9	Info	Responsible for this document: EU-Rail System Pillar Trackside Assets Control and Supervision domain			

ID	Type	Requirement	Funct. Pkg	JIRA	V 4.2 (1.A) > V 4.2 (0.A)
Eu.SCI-P.PDI.203	Info	<p>This document is drafted by and belongs to EU Rail.</p> <p>EU Rail encourages the distribution and re-use of this document, the technical specifications and the information it contains. EU Rail holds several intellectual property rights, such as copyright and trade mark rights, which need to be considered when this document is used.</p> <p>EU Rail authorizes you to re-publish, re-use, copy and store this document without changing it, provided that you indicate its source and include the following mention [EU Rail trade mark, title of the document, year of publication, version of document].</p> <p>EU Rail makes no representation or warranty as to the accuracy or completeness of the information contained within these documents. EU Rail shall have no liability to any party as a result of the use of the information contained herein. EU Rail will have no liability whatsoever for any indirect or consequential loss or damage, and any such liability is expressly excluded.</p> <p>You may study, research, implement, adapt, improve and otherwise use the information, the content and the models in this document for your own purposes. If you decide to publish or disclose any adapted, modified or improved version of this document, any amended implementation or derivative work, then you must indicate that you have modified this document, with a reference to the document name and the terms of use of this document. You may not use EU Rail’s trade marks or name in any way that may state or suggest, directly or indirectly, that EU Rail is the author of your adaptations. EU Rail cannot be held responsible for your product, even if you have used this document and its content. It is your responsibility to verify the quality, completeness and the accuracy of the information you use, for your own purposes</p>		EUP-559	<p>Object Text:</p> <p>CopyrightThis EULYNXdocument Partnersis drafted by and belongs to EU Rail.</p> <p>All</p> <p>EU Rail encourages the distribution and re-use of this document, the technical specifications and the information included it or contains. disclosedEU inRail holds several intellectual property rights, such as copyright and trade mark rights, which need to be considered when this document is licensedused.</p> <p>EU underRail authorizes you to re-publish, re-use, copy and store this document without changing it, provided that you indicate its source and include the Europeanfollowing Unionmention Public[EU LicenceRail EUPLtrade mark, Versiontitle 1 of the document, year of publication, version of document].2</p> <p>EU Rail makes no representation or laterwarranty as to the accuracy or completeness of the information contained within these documents. EU Rail shall have no liability to any party as a result of the use of the information contained herein. EU Rail will have no liability whatsoever for any indirect or consequential loss or damage, and any such liability is expressly excluded.</p> <p>You may study, research, implement, adapt, improve and otherwise use the information, the content and the models in this document for your own purposes. If you decide to publish or disclose any adapted, modified or improved version of this document, any amended implementation or derivative work, then you must indicate that you have modified this document, with a reference to the document name and the terms of use of this document. You may not use EU Rail’s trade marks or name in any way that may state or suggest, directly or indirectly, that EU Rail is the author of your adaptations. EU Rail cannot be held responsible for your product, even if you have used this document and its content. It is your responsibility to verify the quality, completeness and the accuracy of the information you use, for your own purposes</p> <p>a_JIRA_BL4R3: <u>EUP-559</u></p>
Eu.SCI-P.PDI.10	Head	1.3 Purpose			
Eu.SCI-P.PDI.11	Info	This document specifies the application layer of the standardised interface for safe communication between the Subsystem - Electronic Interlocking and Subsystem - Point (SCI-P).			
Eu.SCI-P.PDI.12	Info	This application layer is designated as SCI-P.PDI.			
Eu.SCI-P.PDI.13	Info	This document contains the general requirements for communication and the technical specification (e.g. telegrams) of the SCI-P.PDI.			
Eu.SCI-P.PDI.14	Info	This specification does not define the detailed behaviour of the interfacing partners (Subsystem - Electronic Interlocking and Subsystem - Point), nor the situations in which the defined telegrams are sent. This behaviour is the subject of the individual system specifications.			
Eu.SCI-P.PDI.15	Info	Some items, referring to "interface-related" functionality of the communication partners, have been added to this specification as information, providing an overview only. In any case these are subject to appropriate systems (national) specification.			

ID	Type	Requirement	Funct. Pkg	JIRA	V 4.2 (1.A) > V 4.2 (0.A)
Eu.SCI-P.PDI.16	Info	This document is intended for the following users: <ul style="list-style-type: none">• safety authorities• infrastructure managers• safety assessors• signalling system suppliers• validators			
Eu.SCI-P.PDI.291	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.SCI-P.PDI.18	Head	1.4 Applicable standards and regulations			
Eu.SCI-P.PDI.19	Info	The applicable standards and regulations used in EULYNX are listed in the EULYNX Reference Document List [Eu.Doc.12].			
Eu.SCI-P.PDI.201	Info	The applicability of each reference of this specification is provided by the column “applicability” in the EULYNX Reference Document [Eu.Doc.12], when the value “SCI-P” is stated.			
Eu.SCI-P.PDI.20	Head	1.5 Applicable documents			
Eu.SCI-P.PDI.21	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.SCI-P.PDI.24	Head	1.6 Appendices			
Eu.SCI-P.PDI.25	Info	- <i>intentionally left blank</i> -			
Eu.SCI-P.PDI.150	Head	1.7 Terms and abbreviations			
Eu.SCI-P.PDI.151	Info	The terms and abbreviations are listed in the EULYNX Glossary [Eu.Doc.9].			
Eu.SCI-P.PDI.152	Head	1.8 Variability management			
Eu.SCI-P.PDI.153	Info	This document describes harmonised requirements. Variability management is not applicable.			
Eu.SCI-P.PDI.26	Head	1.9 Definition of object types			
Eu.SCI-P.PDI.27	Info	The following definition for object types is applied in this document:			
Eu.SCI-P.PDI.28	Info	• "Req" - This denotes a mandatory requirement.			
Eu.SCI-P.PDI.31	Info	• "Info" - This denotes additional information to help understand the specification. These objects do not specify any additional requirements.			
Eu.SCI-P.PDI.32	Info	• "Head" - This denotes chapter headings.			
Eu.SCI-P.PDI.33	Head	2 General requirements			
Eu.SCI-P.PDI.284	Req	All references to [Eu.Doc.36] refer to Requirements specification for subsystem Point version 4.4 (0.A).		EUP-554 EUP-571	Object Text: All references to [Eu.Doc.36] refer to Requirements specification for subsystem Point version 4. 34 (0.A). a_JIRA_BL4R3: EUP-554 EUP-571

ID	Type	Requirement	Funct. Pkg	JIRA	V 4.2 (1.A) > V 4.2 (0.A)
Eu.SCI-P.PDI.241	Req	All references to [Eu.Doc.93] refer to Interface specification SCI Generic version 3.3 (0.A).		EUP-554 EUP-571	Object Text: All references to [Eu.Doc.93] refer to Interface specification SCI Generic version 3. 23 (0.A). a_JIRA_BL4R3: EUP-554 EUP-571
Eu.SCI-P.PDI.42	Head	2.1 Version handling			
Eu.SCI-P.PDI.211	Info	The Version handling is described in [Eu.Doc.93].		EUP-554	Object Text: The Version handling is described in [Eu.Doc.93] . a_JIRA_BL4R3: EUP-554
Eu.SCI-P.PDI.242	Req	The PDI-version of the SCI-P as described in this document is 0x04.			
Eu.SCI-P.PDI.49	Head	2.2 Communication requirements			
Eu.SCI-P.PDI.232	Info	The Communication requirements are described in [Eu.Doc.93].		EUP-554	Object Text: The Communication requirements are described in [Eu.Doc.93] . a_JIRA_BL4R3: EUP-554
Eu.SCI-P.PDI.285	Head	2.3 Functional requirements			
Eu.SCI-P.PDI.286	Info	The functional requirements for SCI-P are described in [Eu.Doc.36].		EUP-554	Object Text: The functional requirements for SCI-P are described in [Eu.Doc.36] . a_JIRA_BL4R3: EUP-554
Eu.SCI-P.PDI.54	Head	3 Telegrams SCI-P.PDI			
Eu.SCI-P.PDI.55	Info	This chapter defines the SCI-P.PDI telegrams.	Basic non-4-wire single P Basic non-4-wire multiple P Basic 4-wire single P Basic 4-wire multiple P		
Eu.SCI-P.PDI.56	Head	3.1 Telegram structure			
Eu.SCI-P.PDI.212	Info	The telegram structure is specified in [Eu.Doc.93].	Basic non-4-wire single P Basic non-4-wire multiple P Basic 4-wire single P Basic 4-wire multiple P	EUP-554	Object Text: The telegram structure is specified in [Eu.Doc.93] . a_JIRA_BL4R3: EUP-554
Eu.SCI-P.PDI.64	Head	3.2 Sender and Receiver Identifier			
Eu.SCI-P.PDI.213	Info	The identification of communications partners is specified in [Eu.Doc.93].	Basic non-4-wire single P Basic non-4-wire multiple P Basic 4-wire single P Basic 4-wire multiple P	EUP-554	Object Text: The identification of communications partners is specified in [Eu.Doc.93] . a_JIRA_BL4R3: EUP-554
Eu.SCI-P.PDI.70	Head	3.3 Message and command type overview			
Eu.SCI-P.PDI.71	Info	The following table shows permitted subsystem specific message types for the SCI-P.PDI. The permitted generic message types are specified in [Eu.Doc.93].	Basic non-4-wire single P Basic non-4-wire multiple P Basic 4-wire single P Basic 4-wire multiple P Option Able to move	EUP-554	Object Text: The following table shows permitted subsystem specific message types for the SCI-P.PDI. The permitted generic message types are specified in [Eu.Doc.93] .

ID	Type	Requirement					Funct. Pkg	JIRA	V 4.2 (1.A) > V 4.2 (0.A)																									
		<table><tr><th>Message Type</th><th>Value</th><th>Sender</th><th>Receiver</th><th>Purpose</th></tr><tr><td><i>command</i> Move Point</td><td>0x0001</td><td>Subsystem - Electronic Interlocking</td><td>Subsystem Point</td><td>Command for Move Point into the commanded position</td></tr><tr><td><i>message</i> Point Position</td><td>0x000B</td><td>Subsystem Point</td><td>Subsystem - Electronic Interlocking</td><td>Message about current Point Position</td></tr><tr><td><i>message</i> Movement Failed</td><td>0x000C</td><td>Subsystem Point</td><td>Subsystem - Electronic Interlocking</td><td>The movement has failed</td></tr><tr><td><i>message</i> Ability To Move Point</td><td>0x000D</td><td>Subsystem Point</td><td>Subsystem - Electronic Interlocking</td><td>Message about current state of Ability To Move Point</td></tr></table>					Message Type	Value	Sender	Receiver	Purpose	<i>command</i> Move Point	0x0001	Subsystem - Electronic Interlocking	Subsystem Point	Command for Move Point into the commanded position	<i>message</i> Point Position	0x000B	Subsystem Point	Subsystem - Electronic Interlocking	Message about current Point Position	<i>message</i> Movement Failed	0x000C	Subsystem Point	Subsystem - Electronic Interlocking	The movement has failed	<i>message</i> Ability To Move Point	0x000D	Subsystem Point	Subsystem - Electronic Interlocking	Message about current state of Ability To Move Point			a_JIRA_BL4R3: EUP-554
Message Type	Value	Sender	Receiver	Purpose																														
<i>command</i> Move Point	0x0001	Subsystem - Electronic Interlocking	Subsystem Point	Command for Move Point into the commanded position																														
<i>message</i> Point Position	0x000B	Subsystem Point	Subsystem - Electronic Interlocking	Message about current Point Position																														
<i>message</i> Movement Failed	0x000C	Subsystem Point	Subsystem - Electronic Interlocking	The movement has failed																														
<i>message</i> Ability To Move Point	0x000D	Subsystem Point	Subsystem - Electronic Interlocking	Message about current state of Ability To Move Point																														
Eu.SCI-P.PDI.72	Head	3.4 Telegram definitions																																
Eu.SCI-P.PDI.73	Info	In this chapter, specific telegrams for SCI-P.PDI are defined. The generic telegrams are defined in [Eu.Doc.93].					Basic non-4-wire single P Basic non-4-wire multiple P Basic 4-wire single P Basic 4-wire multiple P	EUP-554	Object Text: In this chapter, specific telegrams for SCI-P.PDI are defined. The generic telegrams are defined in [Eu.Doc.93] . a_JIRA_BL4R3: EUP-554																									
Eu.SCI-P.PDI.158	Head	3.4.1 Command "Move Point"																																
Eu.SCI-P.PDI.159	Info	With this telegram the Subsystem - Electronic Interlocking commands the Subsystem - Point to move the point. This telegram refines the InformationFlow "Cd_Move_Point" specified in the requirements specification (ID Eu.P.6183).					Basic non-4-wire single P Basic non-4-wire multiple P Basic 4-wire single P Basic 4-wire multiple P																											
Eu.SCI-P.PDI.160	Info	Telegram definition for command "Move Point" <table><tr><th>Byte-Nr.</th><th>Content</th></tr><tr><td>00</td><td>Protocol Type: 0x40 (1 Byte binary)</td></tr><tr><td>01..02</td><td>Message Type: 0x0001 (2 Bytes binary)</td></tr><tr><td>03..22</td><td>Sender Identifier (20 Bytes ISO IEC 8859-1:1998)</td></tr><tr><td>23..42</td><td>Receiver Identifier (20 Bytes ISO IEC 8859-1:1998)</td></tr><tr><td>43</td><td>Commanded Point Position (1 Byte binary)</td></tr></table>					Byte-Nr.	Content	00	Protocol Type: 0x40 (1 Byte binary)	01..02	Message Type: 0x0001 (2 Bytes binary)	03..22	Sender Identifier (20 Bytes ISO IEC 8859-1:1998)	23..42	Receiver Identifier (20 Bytes ISO IEC 8859-1:1998)	43	Commanded Point Position (1 Byte binary)	Basic non-4-wire single P Basic non-4-wire multiple P Basic 4-wire single P Basic 4-wire multiple P															
Byte-Nr.	Content																																	
00	Protocol Type: 0x40 (1 Byte binary)																																	
01..02	Message Type: 0x0001 (2 Bytes binary)																																	
03..22	Sender Identifier (20 Bytes ISO IEC 8859-1:1998)																																	
23..42	Receiver Identifier (20 Bytes ISO IEC 8859-1:1998)																																	
43	Commanded Point Position (1 Byte binary)																																	
Eu.SCI-P.PDI.161	Info	Permitted values for command "Move Point":					Basic non-4-wire single P Basic non-4-wire multiple P Basic 4-wire single P Basic 4-wire multiple P																											
Eu.SCI-P.PDI.162	Req	Message Type The message bytes 1 and 2 shall be set to 0x0001.					Basic non-4-wire single P Basic non-4-wire multiple P Basic 4-wire single P Basic 4-wire multiple P																											
Eu.SCI-P.PDI.163	Req	Sender Identifier The message bytes 3 - 22 shall contain the technical identifier of the Subsystem - Electronic Interlocking according to ID Eu.SCI-XX.PDI.59 in ISO IEC 8859-1:1998 format.					Basic non-4-wire single P Basic non-4-wire multiple P Basic 4-wire single P Basic 4-wire multiple P																											

ID	Type	Requirement	Funct. Pkg	JIRA	V 4.2 (1.A) > V 4.2 (0.A)														
Eu.SCI-P.PDI.164	Req	Receiver Identifier The message bytes 23 - 42 shall contain the operational identifier of Subsystem - Point according to ID Eu.SCI-XX.PDI.59 in ISO IEC 8859-1:1998 format.	Basic non-4-wire single P Basic non-4-wire multiple P Basic 4-wire single P Basic 4-wire multiple P																
Eu.SCI-P.PDI.165	Req	Commanded Point Position The message byte 43 shall contain the commanded position of the point. Permitted values: value meaning ----- -----	Basic non-4-wire single P Basic non-4-wire multiple P Basic 4-wire single P Basic 4-wire multiple P																
Eu.SCI-P.PDI.167	Req	0x01 The Subsystem - Electronic Interlocking requests a right hand point moving.	Basic non-4-wire single P Basic non-4-wire multiple P Basic 4-wire single P Basic 4-wire multiple P																
Eu.SCI-P.PDI.168	Req	0x02 The Subsystem - Electronic Interlocking requests a left hand point moving.	Basic non-4-wire single P Basic non-4-wire multiple P Basic 4-wire single P Basic 4-wire multiple P																
Eu.SCI-P.PDI.181	Head	3.4.2 Message "Point Position"																	
Eu.SCI-P.PDI.182	Info	With this telegram the Subsystem - Point informs Subsystem - Electronic Interlocking about the actual Point Position. This telegram refines the InformationFlow "Msg_Point_Position" specified in the requirements specification (ID Eu.P.6187).	Basic non-4-wire single P Basic non-4-wire multiple P Basic 4-wire single P Basic 4-wire multiple P																
Eu.SCI-P.PDI.183	Info	Telegram definition for message "Point Position" <table><tr><th>Byte-Nr.</th><th>Content</th></tr><tr><td>00</td><td>Protocol Type: 0x40 (1 Byte binary)</td></tr><tr><td>01..02</td><td>Message Type: 0x000B (2 Bytes binary)</td></tr><tr><td>03..22</td><td>Sender Identifier (20 Bytes ISO IEC 8859-1:1998)</td></tr><tr><td>23..42</td><td>Receiver Identifier (20 Bytes ISO IEC 8859-1:1998)</td></tr><tr><td>43</td><td>Reported Point Position (1 Byte binary)</td></tr><tr><td>44</td><td>Reported Degraded Point Position (1 Byte binary)</td></tr></table>	Byte-Nr.	Content	00	Protocol Type: 0x40 (1 Byte binary)	01..02	Message Type: 0x000B (2 Bytes binary)	03..22	Sender Identifier (20 Bytes ISO IEC 8859-1:1998)	23..42	Receiver Identifier (20 Bytes ISO IEC 8859-1:1998)	43	Reported Point Position (1 Byte binary)	44	Reported Degraded Point Position (1 Byte binary)	Basic non-4-wire single P Basic non-4-wire multiple P Basic 4-wire single P Basic 4-wire multiple P		
Byte-Nr.	Content																		
00	Protocol Type: 0x40 (1 Byte binary)																		
01..02	Message Type: 0x000B (2 Bytes binary)																		
03..22	Sender Identifier (20 Bytes ISO IEC 8859-1:1998)																		
23..42	Receiver Identifier (20 Bytes ISO IEC 8859-1:1998)																		
43	Reported Point Position (1 Byte binary)																		
44	Reported Degraded Point Position (1 Byte binary)																		
Eu.SCI-P.PDI.184	Info	Permitted values for message "Point Position":	Basic non-4-wire single P Basic non-4-wire multiple P Basic 4-wire single P Basic 4-wire multiple P																
Eu.SCI-P.PDI.185	Req	Message Type The message bytes 1 and 2 shall be set to 0x000B.	Basic non-4-wire single P Basic non-4-wire multiple P Basic 4-wire single P Basic 4-wire multiple P																
Eu.SCI-P.PDI.186	Req	Sender Identifier The message bytes 3 - 22 shall contain the operational identifier of the Subsystem - Point according to ID Eu.SCI-XX.PDI.59 in ISO IEC 8859-1:1998 format.	Basic non-4-wire single P Basic non-4-wire multiple P Basic 4-wire single P Basic 4-wire multiple P																
Eu.SCI-P.PDI.187	Req	Receiver Identifier The message bytes 23 - 42 shall contain the technical identifier of the Subsystem - Electronic Interlocking according to ID Eu.SCI-XX.PDI.59 in ISO IEC 8859-1:1998 format.	Basic non-4-wire single P Basic non-4-wire multiple P Basic 4-wire single P Basic 4-wire multiple P																

ID	Type	Requirement	Funct. Pkg	JIRA	V 4.2 (1.A) > V 4.2 (0.A)
Eu.SCI-P.PDI.188	Req	Reported Point Position The message byte 43 shall contain the position of the point. The valid values are: value meaning ----- -----	Basic non-4-wire single P Basic non-4-wire multiple P Basic 4-wire single P Basic 4-wire multiple P		
Eu.SCI-P.PDI.190	Req	0x01 The Point is in a right hand position (defined end position).	Basic non-4-wire single P Basic non-4-wire multiple P Basic 4-wire single P Basic 4-wire multiple P		
Eu.SCI-P.PDI.191	Req	0x02 The Point is in a left hand position (defined end position).	Basic non-4-wire single P Basic non-4-wire multiple P Basic 4-wire single P Basic 4-wire multiple P		
Eu.SCI-P.PDI.192	Req	0x03 The Point is in no end position.	Basic non-4-wire single P Basic non-4-wire multiple P Basic 4-wire single P Basic 4-wire multiple P		
Eu.SCI-P.PDI.193	Req	0x04 The Point is in unintended position.	Basic non-4-wire single P Basic non-4-wire multiple P Basic 4-wire single P Basic 4-wire multiple P		
Eu.SCI-P.PDI.279	Req	Reported Degraded Point Position The message byte 44 shall contain the degraded position of the point. The valid values are: value meaning ----- -----	Basic non-4-wire single P Basic non-4-wire multiple P Basic 4-wire single P Basic 4-wire multiple P		
Eu.SCI-P.PDI.280	Req	0x01 The Point is in a degraded right hand position.	Basic non-4-wire multiple P Basic 4-wire multiple P		
Eu.SCI-P.PDI.281	Req	0x02 The Point is in a degraded left hand position.	Basic non-4-wire multiple P Basic 4-wire multiple P		
Eu.SCI-P.PDI.283	Req	0x03 The Point is not in a degraded position.	Basic non-4-wire multiple P Basic 4-wire multiple P		
Eu.SCI-P.PDI.282	Req	0xFF Degraded point position is not applicable.	Basic non-4-wire single P Basic non-4-wire multiple P Basic 4-wire single P Basic 4-wire multiple P		
Eu.SCI-P.PDI.194	Head	3.4.3 Message "Movement Failed"			
Eu.SCI-P.PDI.195	Info	With this telegram the Subsystem - Point informs the Subsystem - Electronic Interlocking, that the movement has failed. This telegram refines the InformationFlow "Msg_Movement_Failed" specified in the requirements specification (ID Eu.P.6190).	Basic non-4-wire single P Basic non-4-wire multiple P Basic 4-wire single P Basic 4-wire multiple P		

ID	Type	Requirement	Funct. Pkg	JIRA	V 4.2 (1.A) > V 4.2 (0.A)	
Eu.SCI-P.PDI.196	Info	Telegram definition for message "Movement Failed"	Basic non-4-wire single P Basic non-4-wire multiple P Basic 4-wire single P Basic 4-wire multiple P			
		Byte-Nr.				Content
		00				Protocol Type: 0x40 (1 Byte binary)
		01..02				Message Type: 0x000C (2 Bytes binary)
		03..22				Sender Identifier (20 Bytes ISO IEC 8859-1:1998)
		23..42				Receiver Identifier (20 Bytes ISO IEC 8859-1:1998)
Eu.SCI-P.PDI.197	Info	Permitted values for message "Movement Failed":	Basic non-4-wire single P Basic non-4-wire multiple P Basic 4-wire single P Basic 4-wire multiple P			
Eu.SCI-P.PDI.198	Req	Message Type The message bytes 1 - 2 shall be set to 0x000C.	Basic non-4-wire single P Basic non-4-wire multiple P Basic 4-wire single P Basic 4-wire multiple P			
Eu.SCI-P.PDI.199	Req	Sender Identifier The message bytes 3 - 22 shall contain the operational identifier of Subsystem - Point according to ID Eu.SCI-XX.PDI.59 in ISO IEC 8859-1:1998 format.	Basic non-4-wire single P Basic non-4-wire multiple P Basic 4-wire single P Basic 4-wire multiple P			
Eu.SCI-P.PDI.200	Req	Receiver Identifier The message bytes 23 - 42 shall contain the technical identifier of the Subsystem - Electronic Interlocking according to ID Eu.SCI-XX.PDI.59 in ISO IEC 8859-1:1998 format.	Basic non-4-wire single P Basic non-4-wire multiple P Basic 4-wire single P Basic 4-wire multiple P			
Eu.SCI-P.PDI.265	Head	3.4.4 Message "Ability To Move Point"				
Eu.SCI-P.PDI.266	Info	With this telegram the Subsystem - Point informs Subsystem - Electronic Interlocking about the ability to move point. This telegram refines the InformationFlow "Msg_Ability_To_Move_Point" specified in the requirements specification (ID Eu.P.6185).	Option Able to move			
Eu.SCI-P.PDI.267	Info	Telegram definition for message "Ability To Move Point "	Option Able to move			
		Byte-Nr.				Content
		00				Protocol Type: 0x40 (1 Byte binary)
		01..02				Message Type: 0x000D (2 Bytes binary)
		03..22				Sender Identifier (20 Bytes ISO IEC 8859-1:1998)
		23..42				Receiver Identifier (20 Bytes ISO IEC 8859-1:1998)
43	Reported Ability To Move Point Status (1 Byte binary)					
Eu.SCI-P.PDI.268	Info	Permitted values for message "Ability To Move Point":	Option Able to move			
Eu.SCI-P.PDI.269	Req	Message Type The message bytes 1 and 2 shall be set to 0x000D.	Option Able to move			
Eu.SCI-P.PDI.270	Req	Sender Identifier The message bytes 3 - 22 shall contain the operational identifier of the Subsystem - Point according to ID Eu.SCI-XX.PDI.59 in ISO IEC 8859-1:1998 format.	Option Able to move			

ID	Type	Requirement	Funct. Pkg	JIRA	V 4.2 (1.A) > V 4.2 (0.A)
Eu.SCI-P.PDI.271	Req	Receiver Identifier The message bytes 23 - 42 shall contain the technical identifier of the Subsystem - Electronic Interlocking according to ID Eu.SCI-XX.PDI.59 in ISO IEC 8859-1:1998 format.	Option Able to move		
Eu.SCI-P.PDI.272	Req	Reported Ability To Move Point Status The message byte 43 shall contain the ability to move point status. The valid values are: value meaning ----- -----	Option Able to move		
Eu.SCI-P.PDI.273	Req	0x01 The Point is able to move.	Option Able to move		
Eu.SCI-P.PDI.274	Req	0x02 The Point is unable to move.	Option Able to move		