



**EULYNX Initiative**



**Europe's Rail Joint Undertaking**

## **Interface specification SCI-P**

Document number: Eu.Doc.38  
Version: 4.2 (2.A)

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ID	Type	Requirement	Func. Pkg.
Eu.SCI-P.PDI.4	Head	<b>1 Introduction</b>	
Eu.SCI-P.PDI.5	Head	<b>1.1 Release information</b>	
Eu.SCI-P.PDI.6	Info	[Eu.Doc.38] Interface specification SCI-P CENELEC Phase: 5 Version: 4.2 (2.A) Approval date: 02.06.2025	
Eu.SCI-P.PDI.1	Info	<b>Version history</b>	
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	

ID	Type	Requirement	Func. Pkg.
Eu.SCI-P.PDI.295	Info	version number: 4.2 (2.A) date: 19.06.2025 author: Philipp Wolber review: TACS Mirror Group changes: EUP-585, EUP-587	
Eu.SCI-P.PDI.7	Head	<b>1.2 Impressum</b>	
Eu.SCI-P.PDI.8	Info	Publishers: <b>Europe's Rail Joint Undertaking</b> <a href="https://rail-research.europa.eu">https://rail-research.europa.eu</a>  <b>EULYNX Initiative</b> <a href="https://eulynx.eu/">https://eulynx.eu/</a>	
Eu.SCI-P.PDI.9	Info	Responsible for this document: EU-Rail System Pillar Trackside Assets Control and Supervision domain	

ID	Type	Requirement	Func. Pkg.
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>	
Eu.SCI-P.PDI.10	Head	<b>1.3 Purpose</b>	
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	Func. Pkg.
Eu.SCI-P.PDI.16	Info	This document is intended for the following users: <ul style="list-style-type: none"> <li>• safety authorities</li> <li>• infrastructure managers</li> <li>• safety assessors</li> <li>• signalling system suppliers</li> <li>• validators</li> </ul>	
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	<b>1.4 Applicable standards and regulations</b>	
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	<b>1.5 Applicable documents</b>	
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	<b>1.6 Appendices</b>	
Eu.SCI-P.PDI.25	Info	<i>- intentionally left blank -</i>	
Eu.SCI-P.PDI.150	Head	<b>1.7 Terms and abbreviations</b>	
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	<b>1.8 Variability management</b>	
Eu.SCI-P.PDI.153	Info	This document describes harmonised requirements. Variability management is not applicable.	
Eu.SCI-P.PDI.26	Head	<b>1.9 Definition of object types</b>	
Eu.SCI-P.PDI.27	Info	The following definition for object types is applied in this document:	
Eu.SCI-P.PDI.28	Info	<ul style="list-style-type: none"> <li>• "Req" - This denotes a mandatory requirement.</li> </ul>	

ID	Type	Requirement	Func. Pkg.
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	<b>2 General requirements</b>	
Eu.SCI-P.PDI.284	Req	All references to [Eu.Doc.36] refer to Requirements specification for subsystem Point version 4.5.	
Eu.SCI-P.PDI.241	Req	All references to [Eu.Doc.93] refer to Interface specification SCI Generic version 3.3.	
Eu.SCI-P.PDI.42	Head	<b>2.1 Version handling</b>	
Eu.SCI-P.PDI.211	Info	The Version handling is described in [Eu.Doc.93].	
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	<b>2.2 Communication requirements</b>	
Eu.SCI-P.PDI.232	Info	The Communication requirements are described in [Eu.Doc.93].	
Eu.SCI-P.PDI.285	Head	<b>2.3 Functional requirements</b>	
Eu.SCI-P.PDI.286	Info	The functional requirements for SCI-P are described in [Eu.Doc.36].	
Eu.SCI-P.PDI.54	Head	<b>3 Telegrams SCI-P.PDI</b>	
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	<b>3.1 Telegram structure</b>	

<b>ID</b>	<b>Type</b>	<b>Requirement</b>	<b>Func. Pkg.</b>
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
Eu.SCI-P.PDI.64	Head	<b>3.2 Sender and Receiver Identifier</b>	
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
Eu.SCI-P.PDI.70	Head	<b>3.3 Message and command type overview</b>	



ID	Type	Requirement	Func. Pkg.																									
Eu.SCI-P.PDI.71	Info	<div>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].</div> <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	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
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																									
Eu.SCI-P.PDI.158	Head	3.4.1 Command "Move Point"																										

ID	Type	Requirement	Func. Pkg.												
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												

ID	Type	Requirement	Func. Pkg.
Eu.SCI-P.PDI.162	Req	<b>Message Type</b> 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	<b>Sender Identifier</b> 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
Eu.SCI-P.PDI.164	Req	<b>Receiver Identifier</b> 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	<b>Commanded Point Position</b> The message byte 43 shall contain the commanded position of the point. Permitted values:  <div> value                      meaning  -----                      ----- </div>	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	Func. Pkg.
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	<b>3.4.2 Message "Point Position"</b>	
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"	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		Func. Pkg.														
		<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)		
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	<b>Message Type</b> 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	<b>Sender Identifier</b> 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														

ID	Type	Requirement	Func. Pkg.
Eu.SCI-P.PDI.187	Req	<b>Receiver Identifier</b> 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.188	Req	<b>Reported Point Position</b> 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

ID	Type	Requirement	Func. Pkg.
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	<b>Reported Degraded Point Position</b> The message byte 44 shall contain the degraded position of the point. The valid values are:  <div style="display: flex; justify-content: space-between; width: 100%;"> <div>value</div> <div>meaning</div> </div> <div style="display: flex; justify-content: space-between; width: 100%;"> <div>-----</div> <div>-----</div> </div>	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

ID	Type	Requirement	Func. Pkg.										
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	<b>3.4.3 Message "Movement Failed"</b>											
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										
Eu.SCI-P.PDI.196	Info	Telegram definition for message "Movement Failed" <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: 0x000C (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></table>	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)	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)												



ID	Type	Requirement	Func. Pkg.
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	<b>Message Type</b> 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	<b>Sender Identifier</b> 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	<b>Receiver Identifier</b> 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	<b>3.4.4 Message "Ability To Move Point"</b>	

ID	Type	Requirement	Func. Pkg.												
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 " <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: 0x000D (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 Ability To Move Point Status (1 Byte binary)</td></tr></table>	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)	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	<b>Message Type</b> The message bytes 1 and 2 shall be set to 0x000D.	Option Able to move												
Eu.SCI-P.PDI.270	Req	<b>Sender Identifier</b> 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												
Eu.SCI-P.PDI.271	Req	<b>Receiver Identifier</b> 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	<b>Reported Ability To Move Point Status</b> 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												