



EULYNX Initiative



Europe's Rail Joint Undertaking

Interface specification SCI-P

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ID	Type	Requirement	Func. Pkg.
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 (0.A) Approval date: 15.06.2023	
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.7	Head	1.2 Impressum	

ID	Type	Requirement	Func. Pkg.
Eu.SCI-P.PDI.8	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.SCI-P.PDI.9	Info	Responsible for this document: EU-Rail System Pillar Trackside Assets Control and Supervision domain	
Eu.SCI-P.PDI.203	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.	
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.	
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 	

ID	Type	Requirement	Func. Pkg.
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	<ul style="list-style-type: none"> • "Req" - This denotes a mandatory requirement. 	
Eu.SCI-P.PDI.31	Info	<ul style="list-style-type: none"> • "Info" - This denotes additional information to help understand the specification. These objects do not specify any additional requirements. 	
Eu.SCI-P.PDI.32	Info	<ul style="list-style-type: none"> • "Head" - This denotes chapter headings. 	

ID	Type	Requirement	Func. Pkg.
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 4.3 (0.A).	
Eu.SCI-P.PDI.241	Req	All references to Eu.Doc.93 refer to Interface specification SCI Generic version 3.2 (0.A).	
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.	
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.	
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.	
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
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

ID	Type	Requirement	Func. Pkg.																									
Eu.SCI-P.PDI.70	Head	3.3 Message and command type overview																										
Eu.SCI-P.PDI.71	Info	<p>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.</p> <table border="1" data-bbox="450 320 1727 810"> <thead> <tr> <th data-bbox="450 320 801 368">Message Type</th> <th data-bbox="801 320 936 368">Value</th> <th data-bbox="936 320 1106 368">Sender</th> <th data-bbox="1106 320 1274 368">Receiver</th> <th data-bbox="1274 320 1727 368">Purpose</th> </tr> </thead> <tbody> <tr> <td data-bbox="450 368 801 480"><i>command</i> Move Point</td> <td data-bbox="801 368 936 480">0x0001</td> <td data-bbox="936 368 1106 480">Subsystem - Electronic Interlocking</td> <td data-bbox="1106 368 1274 480">Subsystem Point</td> <td data-bbox="1274 368 1727 480">Command for Move Point into the commanded position</td> </tr> <tr> <td data-bbox="450 480 801 592"><i>message</i> Point Position</td> <td data-bbox="801 480 936 592">0x000B</td> <td data-bbox="936 480 1106 592">Subsystem Point</td> <td data-bbox="1106 480 1274 592">Subsystem - Electronic Interlocking</td> <td data-bbox="1274 480 1727 592">Message about current Point Position</td> </tr> <tr> <td data-bbox="450 592 801 703"><i>message</i> Movement Failed</td> <td data-bbox="801 592 936 703">0x000C</td> <td data-bbox="936 592 1106 703">Subsystem Point</td> <td data-bbox="1106 592 1274 703">Subsystem - Electronic Interlocking</td> <td data-bbox="1274 592 1727 703">The movement has failed</td> </tr> <tr> <td data-bbox="450 703 801 810"><i>message</i> Ability To Move Point</td> <td data-bbox="801 703 936 810">0x000D</td> <td data-bbox="936 703 1106 810">Subsystem Point</td> <td data-bbox="1106 703 1274 810">Subsystem - Electronic Interlocking</td> <td data-bbox="1274 703 1727 810">Message about current state of Ability To Move Point</td> </tr> </tbody> </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"																										
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"	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 border="1"> <thead> <tr> <th data-bbox="450 161 618 204">Byte-Nr.</th> <th data-bbox="618 161 1397 204">Content</th> </tr> </thead> <tbody> <tr> <td data-bbox="450 204 618 247">00</td> <td data-bbox="618 204 1397 247">Protocol Type: 0x40 (1 Byte binary)</td> </tr> <tr> <td data-bbox="450 247 618 290">01..02</td> <td data-bbox="618 247 1397 290">Message Type: 0x0001 (2 Bytes binary)</td> </tr> <tr> <td data-bbox="450 290 618 333">03..22</td> <td data-bbox="618 290 1397 333">Sender Identifier (20 Bytes ISO IEC 8859-1:1998)</td> </tr> <tr> <td data-bbox="450 333 618 376">23..42</td> <td data-bbox="618 333 1397 376">Receiver Identifier (20 Bytes ISO IEC 8859-1:1998)</td> </tr> <tr> <td data-bbox="450 376 618 419">43</td> <td data-bbox="618 376 1397 419">Commanded Point Position (1 Byte binary)</td> </tr> </tbody> </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)	
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												
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												

ID	Type	Requirement	Func. Pkg.														
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 border="1" data-bbox="450 603 1397 938"> <thead> <tr> <th data-bbox="450 603 618 651">Byte-Nr.</th> <th data-bbox="618 603 1397 651">Content</th> </tr> </thead> <tbody> <tr> <td data-bbox="450 651 618 699">00</td> <td data-bbox="618 651 1397 699">Protocol Type: 0x40 (1 Byte binary)</td> </tr> <tr> <td data-bbox="450 699 618 746">01..02</td> <td data-bbox="618 699 1397 746">Message Type: 0x000B (2 Bytes binary)</td> </tr> <tr> <td data-bbox="450 746 618 794">03..22</td> <td data-bbox="618 746 1397 794">Sender Identifier (20 Bytes ISO IEC 8859-1:1998)</td> </tr> <tr> <td data-bbox="450 794 618 842">23..42</td> <td data-bbox="618 794 1397 842">Receiver Identifier (20 Bytes ISO IEC 8859-1:1998)</td> </tr> <tr> <td data-bbox="450 842 618 890">43</td> <td data-bbox="618 842 1397 890">Reported Point Position (1 Byte binary)</td> </tr> <tr> <td data-bbox="450 890 618 938">44</td> <td data-bbox="618 890 1397 938">Reported Degraded Point Position (1 Byte binary)</td> </tr> </tbody> </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														

ID	Type	Requirement	Func. Pkg.
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
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

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	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										
Eu.SCI-P.PDI.196	Info	Telegram definition for message "Movement Failed" <table border="1" data-bbox="450 695 1397 935"> <thead> <tr> <th data-bbox="450 695 618 735">Byte-Nr.</th> <th data-bbox="618 695 1397 735">Content</th> </tr> </thead> <tbody> <tr> <td data-bbox="450 735 618 791">00</td> <td data-bbox="618 735 1397 791">Protocol Type: 0x40 (1 Byte binary)</td> </tr> <tr> <td data-bbox="450 791 618 839">01..02</td> <td data-bbox="618 791 1397 839">Message Type: 0x000C (2 Bytes binary)</td> </tr> <tr> <td data-bbox="450 839 618 887">03..22</td> <td data-bbox="618 839 1397 887">Sender Identifier (20 Bytes ISO IEC 8859-1:1998)</td> </tr> <tr> <td data-bbox="450 887 618 935">23..42</td> <td data-bbox="618 887 1397 935">Receiver Identifier (20 Bytes ISO IEC 8859-1:1998)</td> </tr> </tbody> </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)												
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										

ID	Type	Requirement	Func. Pkg.												
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 " <table border="1" data-bbox="450 603 1397 890" style="margin-left: 20px;"> <thead> <tr> <th>Byte-Nr.</th> <th>Content</th> </tr> </thead> <tbody> <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> </tbody> </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	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												
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												

ID	Type	Requirement	Func. Pkg.				
Eu.SCI-P.PDI.272	Req	<p>Reported Ability To Move Point Status The message byte 43 shall contain the ability to move point status. The valid values are:</p> <table border="0" data-bbox="450 256 786 312"> <tr> <td style="padding-right: 20px;">value</td> <td>meaning</td> </tr> <tr> <td style="padding-right: 20px;">-----</td> <td>-----</td> </tr> </table>	value	meaning	-----	-----	Option Able to move
value	meaning						
-----	-----						
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				