



EULYNX Initiative

Interface specification SCI-LX

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ID	Type	Requirement	Appl.
Eu.SCI-LX.PDI.1	Head	1 Introduction	Default
Eu.SCI-LX.PDI.2	Head	1.1 Release information	Default
Eu.SCI-LX.PDI.3	Info	[Eu.Doc.112] Interface specification SCI-LX CENELEC Phase: 5 Version: 2.1 (0.A) Approval date: 15.06.2023	Default
Eu.SCI-LX.PDI.4	Info	Version history	Default
Eu.SCI-LX.PDI.539	Info	version number: 2.0 (0.A) date: 16.05.2022 author: Philipp Wolber review: CCB changes: EULX-467, EULX-481, EULX-494, EULX-502	Default
Eu.SCI-LX.PDI.543	Info	version number: 2.1 (0.A) date: 28.06.2022 author: Philipp Wolber review: CCB changes: EULX-534, EULX-542, EULX-555, EULX-558, EULX-560, EULX-561	Default
Eu.SCI-LX.PDI.6	Head	1.2 Impressum	Default
Eu.SCI-LX.PDI.7	Info	Publisher: EULYNX Initiative A full list of the EULYNX Partners can be found on www.eulynx.eu/index.php/members	Default
Eu.SCI-LX.PDI.8	Info	Responsible for this document: EULYNX Project Management Office www.eulynx.eu	Default
Eu.SCI-LX.PDI.9	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.	Default
Eu.SCI-LX.PDI.10	Head	1.3 Purpose	Default

ID	Type	Requirement	Appl.
Eu.SCI-LX.PDI.11	Info	This document specifies the application layer of the standardised interface for safe communication between the Subsystem - Electronic Interlocking and External Level Crossing System (SCI-LX).	Default
Eu.SCI-LX.PDI.12	Info	This application layer is designated as SCI-LX.PDI.	Default
Eu.SCI-LX.PDI.13	Info	This document contains the general requirements and the technical specification (e.g. telegrams) of the SCI-LX.PDI.	Default
Eu.SCI-LX.PDI.14	Info	This specification does not define the detailed behaviour of the interfacing partners (Subsystem - Electronic Interlocking and External Level Crossing System), nor the situations in which the defined telegrams are sent. This behaviour is the subject of the individual system specifications.	Default
Eu.SCI-LX.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 have to be covered in the appropriate systems (national) specification.	Default
Eu.SCI-LX.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 	Default
Eu.SCI-LX.PDI.17	Head	1.4 Applicable standards and regulations	Default
Eu.SCI-LX.PDI.18	Info	The applicable standards and regulations used in EULYNX are listed in the EULYNX Reference Document List [Eu.Doc.12].	Default
Eu.SCI-LX.PDI.19	Head	1.5 Applicable documents	Default
Eu.SCI-LX.PDI.20	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].	Default
Eu.SCI-LX.PDI.21	Head	1.6 Appendices	Default
Eu.SCI-LX.PDI.22	Info	<i>- intentionally left blank -</i>	Default
Eu.SCI-LX.PDI.23	Head	1.7 Terms and abbreviations	Default
Eu.SCI-LX.PDI.24	Info	The terms and abbreviations are listed in the EULYNX Glossary [Eu.Doc.9].	Default
Eu.SCI-LX.PDI.25	Head	1.8 Variability management	Default

ID	Type	Requirement	Appl.
Eu.SCI-LX.PDI.26	Info	Applicability column indicates the applicability of the requirement or information object per EULYNX partner. Value "Default" means the object applies to all EULYNX partners. Value "IM code" means the object applies specifically to the stated EULYNX partner. IM codes follow the pattern "IM abcdyz", where abcd is the UIC numeric code for railway companies and yz is by default "00".	Default
Eu.SCI-LX.PDI.27	Head	1.9 Definition of object types	Default
Eu.SCI-LX.PDI.28	Info	The following definition for object types is applied in this document:	Default
Eu.SCI-LX.PDI.29	Info	<ul style="list-style-type: none"> • "Req" - This denotes a mandatory requirement. 	Default
Eu.SCI-LX.PDI.30	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. 	Default
Eu.SCI-LX.PDI.31	Info	<ul style="list-style-type: none"> • "Head" - This denotes chapter headings. 	Default
Eu.SCI-LX.PDI.32	Head	2 General requirements	Default
Eu.SCI-LX.PDI.540	Req	All references to Eu.Doc.111 refer to Requirements specification for SCI-LX version 2.2 (0.A).	Default
Eu.SCI-LX.PDI.514	Req	All references to Eu.Doc.93 refer to Interface specification SCI Generic version 3.2 (0.A).	Default
Eu.SCI-LX.PDI.33	Head	2.1 Version handling	Default
Eu.SCI-LX.PDI.34	Info	The Version handling is described in Eu.Doc.93.	Default
Eu.SCI-LX.PDI.515	Req	The PDI-version of the SCI-LX as described in this document is 0x03.	Default
Eu.SCI-LX.PDI.35	Head	2.2 Communication requirements	Default
Eu.SCI-LX.PDI.36	Info	The Communication requirements are described in Eu.Doc.93.	Default
Eu.SCI-LX.PDI.541	Head	2.3 Functional requirements	Default
Eu.SCI-LX.PDI.542	Info	The functional requirements for SCI-LX are described in Eu.Doc.111.	Default
Eu.SCI-LX.PDI.37	Head	3 Telegrams SCI-LX.PDI	Default
Eu.SCI-LX.PDI.38	Info	This chapter defines the SCI-LX.PDI telegrams.	Default
Eu.SCI-LX.PDI.39	Head	3.1 Telegram structure	Default

ID	Type	Requirement	Appl.																																																		
Eu.SCI-LX.PDI.40	Info	The telegram structure is specified in Eu.Doc.93.	Default																																																		
Eu.SCI-LX.PDI.41	Head	3.2 Sender and Receiver Identifier	Default																																																		
Eu.SCI-LX.PDI.42	Info	The identification of communications partners is specified in Eu.Doc.93.	Default																																																		
Eu.SCI-LX.PDI.43	Head	3.3 Message and command type overview	Default																																																		
Eu.SCI-LX.PDI.44	Info	<div><p>The following table shows permitted subsystem specific message types for the SCI-LX.PDI. The permitted generic message types are specified in Eu.Doc.93.</p><table><tr><th>Message Type</th><th>Value</th><th>Sender</th><th>Receiver</th><th>Purpose</th></tr><tr><td><i>command</i> LX Activation</td><td>0x0001</td><td>Subsystem – Electronic Interlocking</td><td>External Level Crossing System</td><td>Command to activate LX related</td></tr><tr><td><i>command</i> TR Activation</td><td>0x0002</td><td>Subsystem – Electronic Interlocking</td><td>LX track</td><td>Command to activate track or route related</td></tr><tr><td><i>command</i> LX Deactivation</td><td>0x0003</td><td>Subsystem – Electronic Interlocking</td><td>External Level Crossing System</td><td>Command to deactivate LX related</td></tr><tr><td><i>command</i> TR Deactivation</td><td>0x0004</td><td>Subsystem – Electronic Interlocking</td><td>LX track</td><td>Command to deactivate track related</td></tr><tr><td><i>command</i> Control Activation Point</td><td>0x0005</td><td>Subsystem – Electronic Interlocking</td><td>LX track</td><td>Command to enable or disable an Activation Point</td></tr><tr><td><i>command</i> Track-related Prolong Activation</td><td>0x0006</td><td>Subsystem – Electronic Interlocking</td><td>LX track</td><td>Command to enable or disable the prolongation of the activation of the level crossing track related</td></tr><tr><td><i>command</i> Crossing Clear</td><td>0x0007</td><td>Subsystem – Electronic Interlocking</td><td>External Level Crossing System</td><td>Command to provide the information that the Level Crossing protection area is free of obstacles.</td></tr><tr><td><i>command</i> Block LX</td><td>0x0008</td><td>Subsystem – Electronic Interlocking</td><td>External Level Crossing System</td><td>Command to block or unblock the LX for commands</td></tr><tr><td><i>command</i> Track-related Isolation</td><td>0x0009</td><td>Subsystem – Electronic Interlocking</td><td>External Level Crossing System</td><td>Command to isolate the level crossing track related</td></tr></table></div>	Message Type	Value	Sender	Receiver	Purpose	<i>command</i> LX Activation	0x0001	Subsystem – Electronic Interlocking	External Level Crossing System	Command to activate LX related	<i>command</i> TR Activation	0x0002	Subsystem – Electronic Interlocking	LX track	Command to activate track or route related	<i>command</i> LX Deactivation	0x0003	Subsystem – Electronic Interlocking	External Level Crossing System	Command to deactivate LX related	<i>command</i> TR Deactivation	0x0004	Subsystem – Electronic Interlocking	LX track	Command to deactivate track related	<i>command</i> Control Activation Point	0x0005	Subsystem – Electronic Interlocking	LX track	Command to enable or disable an Activation Point	<i>command</i> Track-related Prolong Activation	0x0006	Subsystem – Electronic Interlocking	LX track	Command to enable or disable the prolongation of the activation of the level crossing track related	<i>command</i> Crossing Clear	0x0007	Subsystem – Electronic Interlocking	External Level Crossing System	Command to provide the information that the Level Crossing protection area is free of obstacles.	<i>command</i> Block LX	0x0008	Subsystem – Electronic Interlocking	External Level Crossing System	Command to block or unblock the LX for commands	<i>command</i> Track-related Isolation	0x0009	Subsystem – Electronic Interlocking	External Level Crossing System	Command to isolate the level crossing track related	Default
Message Type	Value	Sender	Receiver	Purpose																																																	
<i>command</i> LX Activation	0x0001	Subsystem – Electronic Interlocking	External Level Crossing System	Command to activate LX related																																																	
<i>command</i> TR Activation	0x0002	Subsystem – Electronic Interlocking	LX track	Command to activate track or route related																																																	
<i>command</i> LX Deactivation	0x0003	Subsystem – Electronic Interlocking	External Level Crossing System	Command to deactivate LX related																																																	
<i>command</i> TR Deactivation	0x0004	Subsystem – Electronic Interlocking	LX track	Command to deactivate track related																																																	
<i>command</i> Control Activation Point	0x0005	Subsystem – Electronic Interlocking	LX track	Command to enable or disable an Activation Point																																																	
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<i>command</i> Track-related Isolation	0x0009	Subsystem – Electronic Interlocking	External Level Crossing System	Command to isolate the level crossing track related																																																	

ID	Type	Requirement					Appl.
Eu.SCI-LX.PDI.45	Info	Part 2					Default
Eu.SCI-LX.PDI.46	Head	3.4 Telegram definitions					Default
Eu.SCI-LX.PDI.47	Info	In this chapter, specific telegrams for SCI-LX.PDI are defined. The generic telegrams are defined in Eu.Doc.93.					Default

ID	Type	Requirement	Appl.												
Eu.SCI-LX.PDI.48	Head	3.4.1 Command "LX Activation"	007600 007900 008200												
Eu.SCI-LX.PDI.49	Info	With this telegram the Subsystem – Electronic Interlocking commands the External Level Crossing System to activate the level crossing LX related. This telegram refines the InformationFlow "Cd_LX_Activation" specified in the requirements specification (ID Eu.LX.1735).	007600 007900 008200												
Eu.SCI-LX.PDI.50	Info	Telegram definition for command "LX Activation" <table><tr><th>Byte-Nr.</th><th>Content</th></tr><tr><td>00</td><td>Protocol Type: 0xC0 (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>Activation type (1 Byte binary)</td></tr></table>	Byte-Nr.	Content	00	Protocol Type: 0xC0 (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	Activation type (1 Byte binary)	007600 007900 008200
Byte-Nr.	Content														
00	Protocol Type: 0xC0 (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	Activation type (1 Byte binary)														
Eu.SCI-LX.PDI.51	Req	Permitted values for command "LX Activation":	007600 007900 008200												
Eu.SCI-LX.PDI.52	Req	Message Type The message bytes 1 - 2 shall be set to 0x0001.	007600 007900 008200												
Eu.SCI-LX.PDI.53	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.	007600 007900 008200												

ID	Type	Requirement	Appl.
Eu.SCI-LX.PDI.54	Req	Receiver Identifier The message bytes 23 - 42 shall contain the operational identifier of the External Level Crossing System according to ID Eu.SCI-XX.PDI.59 in ISO IEC 8859-1:1998 format.	007600 007900 008200
Eu.SCI-LX.PDI.55	Req	Activation type The message byte 43 shall provide the Activation type. Permitted values are: <div style="display: flex; justify-content: space-between;"> <div>value</div> <div>meaning</div> </div> <div style="display: flex; justify-content: space-between;"> <div>-----</div> <div>-----</div> </div>	007600 007900 008200
Eu.SCI-LX.PDI.56	Req	0x01 Unconditional activation	007600 007900 008200
Eu.SCI-LX.PDI.58	Head	3.4.2 Command "Track-related Activation"	007900 008000 008200
Eu.SCI-LX.PDI.59	Info	With this telegram the Subsystem – Electronic Interlocking commands the External Level Crossing System to activate the level crossing track or route related. This telegram refines the InformationFlow "Cd_Track_related_Activation" specified in the requirements specification (ID Eu.LX.1737).	007900 008000 008200

ID	Type	Requirement	Appl.																
Eu.SCI-LX.PDI.60	Info	<div>Telegram definition for command "Track-related Activation"</div> <table><tr><th>Byte-Nr.</th><th>Content</th></tr><tr><td>00</td><td>Protocol Type: 0xC0 (1 Byte binary)</td></tr><tr><td>01..02</td><td>Message Type: 0x0002 (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>Activation type (1 Byte binary)</td></tr><tr><td>44</td><td>Route index (1 Byte binary)</td></tr><tr><td>45</td><td>Auxiliary index (1 Byte binary)</td></tr></table>	Byte-Nr.	Content	00	Protocol Type: 0xC0 (1 Byte binary)	01..02	Message Type: 0x0002 (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	Activation type (1 Byte binary)	44	Route index (1 Byte binary)	45	Auxiliary index (1 Byte binary)	007900 008000 008200
Byte-Nr.	Content																		
00	Protocol Type: 0xC0 (1 Byte binary)																		
01..02	Message Type: 0x0002 (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	Activation type (1 Byte binary)																		
44	Route index (1 Byte binary)																		
45	Auxiliary index (1 Byte binary)																		
Eu.SCI-LX.PDI.61	Req	Permitted values for command "Track-related Activation":	007900 008000 008200																
Eu.SCI-LX.PDI.62	Req	Message Type The message bytes 1 - 2 shall be set to 0x0002.	007900 008000 008200																
Eu.SCI-LX.PDI.63	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.	007900 008000 008200																
Eu.SCI-LX.PDI.64	Req	Receiver Identifier The message bytes 23 - 42 shall contain the operational identifier of the LX track according to ID Eu.SCI-XX.PDI.59 in ISO IEC 8859-1:1998 format.	007900 008000 008200																

ID	Type	Requirement	Appl.
Eu.SCI-LX.PDI.65	Req	Activation type The message byte 43 shall provide the Activation type. Permitted values are: <div> <div>value</div> <div>meaning</div> <div>-----</div> <div>-----</div> </div>	007900 008000 008200
Eu.SCI-LX.PDI.66	Req	0x01 Track-related LX activation	007900 008000 008200
Eu.SCI-LX.PDI.67	Req	0x02 Route-related LX activation	007900 008000 008200
Eu.SCI-LX.PDI.68	Req	0x03 Activation by activation point	007900 008000
Eu.SCI-LX.PDI.69	Req	0x04 Request for consent to set the signal which protects Level Crossing on aspect proceed	007900 008000
Eu.SCI-LX.PDI.70	Req	If byte 43 is set to value "0x02" the payload byte Route index (byte 44) shall be different from value "0xFF".	007900 008000 008200
Eu.SCI-LX.PDI.71	Req	Route index The message byte 44 shall include the information regarding route dependencies. Permitted values are: <div> <div>value</div> <div>meaning</div> <div>-----</div> <div>-----</div> </div>	007900 008000 008200
Eu.SCI-LX.PDI.72	Req	0x01..0xFD Route index	007900 008000 008200

ID	Type	Requirement	Appl.
Eu.SCI-LX.PDI.73	Req	0xFF Route index not applicable	007900 008000 008200
Eu.SCI-LX.PDI.74	Req	Auxiliary index The message byte 45 shall include the information regarding the direction of expected train movement. Permitted values are: <div style="display: flex; justify-content: space-between;"> <div>value</div> <div>meaning</div> </div> <div style="display: flex; justify-content: space-between;"> <div>-----</div> <div>-----</div> </div>	007900 008000 008200
Eu.SCI-LX.PDI.75	Req	0x01...0x28 Activation Point index	007900 008000
Eu.SCI-LX.PDI.76	Req	0x80 Direction 1	007900 008200
Eu.SCI-LX.PDI.77	Req	0x81 Direction 2	007900 008200
Eu.SCI-LX.PDI.78	Req	0xFF Auxiliary index not applicable	007900 008000 008200
Eu.SCI-LX.PDI.79	Info	The values "Direction 1" or "Direction 2" of "Auxiliary index" represent the train movement information of a Route. The assignment of 1 or 2 is IM specific.	007900 008000 008200
Eu.SCI-LX.PDI.80	Head	3.4.3 Command "LX Deactivation"	007600 007900 008200

ID	Type	Requirement	Appl.												
Eu.SCI-LX.PDI.81	Info	With this telegram the Subsystem – Electronic Interlocking commands the External Level Crossing System to deactivate the level crossing LX related. This telegram refines the InformationFlows “Cd_LX_Deactivation” specified in the requirements specification (ID Eu.LX.1736).	007600 007900 008200												
Eu.SCI-LX.PDI.82	Info	Telegram definition for command " LX Deactivation" <table><tr><th>Byte-Nr.</th><th>Content</th></tr><tr><td>00</td><td>Protocol Type: 0xC0 (1 Byte binary)</td></tr><tr><td>01..02</td><td>Message Type: 0x0003 (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>Deactivation type</td></tr></table>	Byte-Nr.	Content	00	Protocol Type: 0xC0 (1 Byte binary)	01..02	Message Type: 0x0003 (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	Deactivation type	007600 007900 008200
Byte-Nr.	Content														
00	Protocol Type: 0xC0 (1 Byte binary)														
01..02	Message Type: 0x0003 (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	Deactivation type														
Eu.SCI-LX.PDI.83	Req	Permitted values for command "LX Deactivation":	007600 007900 008200												
Eu.SCI-LX.PDI.84	Req	Message Type The message bytes 1 - 2 shall be set to 0x0003.	007600 007900 008200												
Eu.SCI-LX.PDI.85	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.	007600 007900 008200												
Eu.SCI-LX.PDI.86	Req	Receiver Identifier The message bytes 23 - 42 shall contain the operational identifier of the External Level Crossing System according to ID Eu.SCI-XX.PDI.59 in ISO IEC 8859-1:1998 format.	007600 007900 008200												

ID	Type	Requirement	Appl.														
Eu.SCI-LX.PDI.504	Req	Deactivation type The message byte 43 shall provide the Deactivation type. Permitted values are: value meaning ----- -----	007600 007900 008200														
Eu.SCI-LX.PDI.505	Req	0x01 Unconditional deactivation	007600 007900 008200														
Eu.SCI-LX.PDI.522	Req	0x02 Emergency deactivation	007600														
Eu.SCI-LX.PDI.87	Head	3.4.4 Command "Track-related Deactivation"	007900 008000 008200														
Eu.SCI-LX.PDI.88	Info	With this telegram the Subsystem – Electronic Interlocking commands the External Level Crossing System to deactivate the level crossing track related. This telegram refines the InformationFlows "Cd_Track_related_Deactivation" specified in the requirements specification (ID Eu.LX.1738).	007900 008000 008200														
Eu.SCI-LX.PDI.89	Info	Telegram definition for command "Track-related Deactivation" <table><tr><th>Byte-Nr.</th><th>Content</th></tr><tr><td>00</td><td>Protocol Type: 0xC0 (1 Byte binary)</td></tr><tr><td>01..02</td><td>Message Type: 0x0004 (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>Route index (1 Byte binary)</td></tr><tr><td>44</td><td>Auxiliary index (1 Byte binary)</td></tr></table>	Byte-Nr.	Content	00	Protocol Type: 0xC0 (1 Byte binary)	01..02	Message Type: 0x0004 (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	Route index (1 Byte binary)	44	Auxiliary index (1 Byte binary)	007900 008000 008200
Byte-Nr.	Content																
00	Protocol Type: 0xC0 (1 Byte binary)																
01..02	Message Type: 0x0004 (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	Route index (1 Byte binary)																
44	Auxiliary index (1 Byte binary)																

ID	Type	Requirement	Appl.
Eu.SCI-LX.PDI.90	Req	Permitted values for command "Track-related Deactivation":	007900 008000 008200
Eu.SCI-LX.PDI.91	Req	Message Type The message bytes 1 - 2 shall be set to 0x0004.	007900 008000 008200
Eu.SCI-LX.PDI.92	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.	007900 008000 008200
Eu.SCI-LX.PDI.93	Req	Receiver Identifier The message bytes 23 - 42 shall contain the operational identifier of the LX track according to ID Eu.SCI-XX.PDI.59 in ISO IEC 8859-1:1998 format.	007900 008000 008200
Eu.SCI-LX.PDI.94	Req	Route index The message byte 43 shall include the information regarding route dependencies. Permitted values are: <div style="display: flex; justify-content: space-between; width: 100%;"> value meaning </div> <div style="display: flex; justify-content: space-between; width: 100%;"> ----- ----- </div>	007900 008000 008200
Eu.SCI-LX.PDI.95	Req	0x01..0xFD Route index	007900 008000 008200
Eu.SCI-LX.PDI.96	Req	0xFF Route index not applicable	007900 008000 008200

ID	Type	Requirement	Appl.
Eu.SCI-LX.PDI.97	Req	Auxiliary index The message byte 44 shall include the information regarding the direction of expected train movement. Permitted values are: <div style="display: flex; justify-content: space-between;"> <div>value</div> <div>meaning</div> </div> <div style="display: flex; justify-content: space-between;"> <div>-----</div> <div>-----</div> </div>	007900 008000 008200
Eu.SCI-LX.PDI.98	Req	0x01...0x0D Activation Point index	008000
Eu.SCI-LX.PDI.99	Req	0x0E Direction 1	007900 008200
Eu.SCI-LX.PDI.100	Req	0x0F Direction 2	007900 008200
Eu.SCI-LX.PDI.101	Req	0xFF Auxiliary index not applicable	007900 008000 008200
Eu.SCI-LX.PDI.102	Info	The values "Direction 1" or "Direction 2" of "Auxiliary index" represent the train movement information of a route. The assignment of 1 or 2 is IM specific.	007900 008000 008200
Eu.SCI-LX.PDI.103	Head	3.4.5 Command "Control Activation Point"	007900 008000
Eu.SCI-LX.PDI.104	Info	With this telegram the Subsystem – Electronic Interlocking commands the External Level Crossing System to enable or disable a specified Activation Point of the level crossing. This telegram refines the InformationFlow "Cd_Control_Activation_Point" specified in the requirements specification (ID Eu.LX.1733).	007900 008000
Eu.SCI-LX.PDI.105	Info	Telegram definition for command "Control Activation Point"	007900 008000

ID	Type	Requirement	Appl.																
		<table><tr><th>Byte-Nr.</th><th>Content</th></tr><tr><td>00</td><td>Protocol Type: 0xC0 (1 Byte binary)</td></tr><tr><td>01..02</td><td>Message Type: 0x0005 (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>Activation Point index (1 Byte binary)</td></tr><tr><td>44</td><td>Control Activation Point (1 Byte binary)</td></tr><tr><td>45</td><td>Route index (1 Byte binary)</td></tr></table>	Byte-Nr.	Content	00	Protocol Type: 0xC0 (1 Byte binary)	01..02	Message Type: 0x0005 (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	Activation Point index (1 Byte binary)	44	Control Activation Point (1 Byte binary)	45	Route index (1 Byte binary)	
Byte-Nr.	Content																		
00	Protocol Type: 0xC0 (1 Byte binary)																		
01..02	Message Type: 0x0005 (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	Activation Point index (1 Byte binary)																		
44	Control Activation Point (1 Byte binary)																		
45	Route index (1 Byte binary)																		
Eu.SCI-LX.PDI.106	Req	Permitted values for command "Control Activation Point":	007900 008000																
Eu.SCI-LX.PDI.107	Req	Message Type The message bytes 1 - 2 shall be set to 0x0005.	007900 008000																
Eu.SCI-LX.PDI.108	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.	007900 008000																
Eu.SCI-LX.PDI.109	Req	Receiver Identifier The message bytes 23-42 shall contain the operational identifier of the Track according to ID Eu.SCI-XX.PDI.59 in ISO IEC 8859-1:1998 format.	007900 008000																
Eu.SCI-LX.PDI.110	Req	Activation Point index The message byte 43 shall include the index of a determined Activation Point. Permitted values are 0x01 to 0x28.	007900 008000																
Eu.SCI-LX.PDI.111	Req	Control Activation Point The message byte 44 shall include the request to enable or disable an Activation Point. Permitted values are: value meaning ----- -----	007900 008000																

ID	Type	Requirement	Appl.
Eu.SCI-LX.PDI.112	Req	0x01 Request to enable an Activation Point	007900 008000
Eu.SCI-LX.PDI.113	Req	0x02 Request to disable an Activation Point	007900 008000
Eu.SCI-LX.PDI.114	Req	Route index The message byte 45 shall include the information regarding route dependencies. Permitted values are: value meaning ----- -----	007900 008000
Eu.SCI-LX.PDI.115	Req	0x01..0xFD Route index	007900 008000
Eu.SCI-LX.PDI.116	Req	0xFF Route index not applicable	007900 008000
Eu.SCI-LX.PDI.117	Head	3.4.6 Command "Track-related Prolong Activation"	007900 008000
Eu.SCI-LX.PDI.118	Info	With this telegram the Subsystem – Electronic Interlocking commands the External Level Crossing System either to enable or disable the prolongation of the activation of the level crossing track related. This command includes the duration to prolong the level crossing activation as a defined time value. This telegram refines the InformationFlow "Cd_Track-related_Prolong_Activation" specified in the requirements specification (ID 1740).	007900 008000
Eu.SCI-LX.PDI.119	Info	Telegram definition for command "Track-related Prolong Activation"	007900 008000

ID	Type	Requirement	Appl.														
		<table><tr><th>Byte-Nr.</th><th>Content</th></tr><tr><td>00</td><td>Protocol Type: 0xC0 (1 Byte binary)</td></tr><tr><td>01..02</td><td>Message Type: 0x0006 (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>Prolong track-related activation (1 Byte binary)</td></tr><tr><td>44</td><td>Defined time value of prolongation (1 Byte binary)</td></tr></table>	Byte-Nr.	Content	00	Protocol Type: 0xC0 (1 Byte binary)	01..02	Message Type: 0x0006 (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	Prolong track-related activation (1 Byte binary)	44	Defined time value of prolongation (1 Byte binary)	
Byte-Nr.	Content																
00	Protocol Type: 0xC0 (1 Byte binary)																
01..02	Message Type: 0x0006 (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	Prolong track-related activation (1 Byte binary)																
44	Defined time value of prolongation (1 Byte binary)																
Eu.SCI-LX.PDI.120	Req	Permitted values for command "Track-related Prolong Activation":	007900 008000														
Eu.SCI-LX.PDI.121	Req	Message Type The message bytes 1 - 2 shall be set to 0x0006.	007900 008000														
Eu.SCI-LX.PDI.122	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.	007900 008000														
Eu.SCI-LX.PDI.123	Req	Receiver Identifier The message bytes 23 - 42 shall contain the operational identifier of the LX track according to ID Eu.SCI-XX.PDI.59 in ISO IEC 8859-1:1998 format.	007900 008000														
Eu.SCI-LX.PDI.124	Req	Prolong track-related activation The message byte 43 shall provide the prolongation or cancelled prolongation of the activation of the level crossing. Permitted values are: value meaning ----- -----	007900 008000														
Eu.SCI-LX.PDI.125	Req	0x01 Command to enable prolongation	007900 008000														

ID	Type	Requirement	Appl.										
Eu.SCI-LX.PDI.126	Req	0x02 Command to disable prolongation	007900 008000										
Eu.SCI-LX.PDI.127	Req	Defined time value of prolongation The message byte 44 shall provide the duration to prolong the level crossing activation in seconds. Permitted values are: value meaning ----- -----	007900 008000										
Eu.SCI-LX.PDI.128	Req	0x01 to 0xFD Time value in seconds	008000										
Eu.SCI-LX.PDI.129	Req	0xFE No defined time value	007900 008000										
Eu.SCI-LX.PDI.138	Head	3.4.7 Command "Crossing Clear"	008000										
Eu.SCI-LX.PDI.139	Info	With this telegram the Subsystem – Electronic Interlocking commands the External Level Crossing System that the Level Crossing protection area is free of obstacles. This telegram refines the InformationFlow "Cd_Crossing_Clear" specified in the requirements specification (ID Eu.LX.1734).	008000										
Eu.SCI-LX.PDI.140	Info	Telegram definition for command "Crossing Clear" <table><tr><th>Byte-Nr.</th><th>Content</th></tr><tr><td>00</td><td>Protocol Type: 0xC0 (1 Byte binary)</td></tr><tr><td>01..02</td><td>Message Type: 0x0007 (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: 0xC0 (1 Byte binary)	01..02	Message Type: 0x0007 (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)	008000
Byte-Nr.	Content												
00	Protocol Type: 0xC0 (1 Byte binary)												
01..02	Message Type: 0x0007 (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-LX.PDI.141	Req	Permitted values for command "Crossing Clear":	008000										
Eu.SCI-LX.PDI.142	Req	Message Type The message bytes 1 - 2 shall be set to 0x0007.	008000										

ID	Type	Requirement	Appl.												
Eu.SCI-LX.PDI.143	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.	008000												
Eu.SCI-LX.PDI.144	Req	Receiver Identifier The message bytes 23 - 42 shall contain the operational identifier of the External Level Crossing System according to ID Eu.SCI-XX.PDI.59 in ISO IEC 8859-1:1998 format.	008000												
Eu.SCI-LX.PDI.145	Head	3.4.8 Command "Block LX"	008000												
Eu.SCI-LX.PDI.146	Info	With this telegram the Subsystem – Electronic Interlocking commands the External Level Crossing System to block or unblock the LX for commands. This telegram refines the InformationFlow "Cd_Block_LX" specified in the requirements specification (ID Eu.LX.1732).	008000												
Eu.SCI-LX.PDI.147	Info	Telegram definition for command "Block LX" <table><tr><th>Byte-Nr.</th><th>Content</th></tr><tr><td>00</td><td>Protocol Type: 0xC0 (1 Byte binary)</td></tr><tr><td>01..02</td><td>Message Type: 0x0008 (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>Status (1 Byte binary)</td></tr></table>	Byte-Nr.	Content	00	Protocol Type: 0xC0 (1 Byte binary)	01..02	Message Type: 0x0008 (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	Status (1 Byte binary)	008000
Byte-Nr.	Content														
00	Protocol Type: 0xC0 (1 Byte binary)														
01..02	Message Type: 0x0008 (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	Status (1 Byte binary)														
Eu.SCI-LX.PDI.148	Req	Permitted values for command "Block LX":	008000												
Eu.SCI-LX.PDI.149	Req	Message Type The message bytes 1 - 2 shall be set to 0x0008.	008000												
Eu.SCI-LX.PDI.150	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.	008000												
Eu.SCI-LX.PDI.151	Req	Receiver Identifier The message bytes 23 - 42 shall contain the operational identifier of the External Level Crossing System according to ID Eu.SCI-XX.PDI.59 in ISO IEC 8859-1:1998 format.	008000												

ID	Type	Requirement	Appl.												
Eu.SCI-LX.PDI.152	Req	Status The message byte 43 shall provide the information that LX is blocked or unblocked, if a non-technically detectable hazard occurs or no longer exist. Permitted values are: value meaning ----- -----	008000												
Eu.SCI-LX.PDI.153	Req	0x01 Block the LX for commands	008000												
Eu.SCI-LX.PDI.154	Req	0x02 Unblock the LX for commands	008000												
Eu.SCI-LX.PDI.207	Head	3.4.9 Command "Track-related Isolation"	007900												
Eu.SCI-LX.PDI.208	Info	With this telegram the Subsystem - Electronic Interlocking commands the Subsystem - Level Crossing to isolate the level crossing track related. This telegram refines the InformationFlow "Cd_Track-related_Isolation" specified in the requirements specification (ID Eu.LX.1739).	007900												
Eu.SCI-LX.PDI.209	Info	Telegram definition for command "Track-related Isolation" <table><tr><th>Byte-Nr.</th><th>Content</th></tr><tr><td>00</td><td>Protocol Type: 0xC0 (1 Byte binary)</td></tr><tr><td>01..02</td><td>Message Type: 0x0009 (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>Isolate Level Crossing track (1 Byte binary)</td></tr></table>	Byte-Nr.	Content	00	Protocol Type: 0xC0 (1 Byte binary)	01..02	Message Type: 0x0009 (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	Isolate Level Crossing track (1 Byte binary)	007900
Byte-Nr.	Content														
00	Protocol Type: 0xC0 (1 Byte binary)														
01..02	Message Type: 0x0009 (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	Isolate Level Crossing track (1 Byte binary)														
Eu.SCI-LX.PDI.210	Req	Permitted values for command "Track-related Isolation":	007900												
Eu.SCI-LX.PDI.211	Req	Message Type The message bytes 1 - 2 shall be set to 0x0009.	007900												

ID	Type	Requirement	Appl.
Eu.SCI-LX.PDI.212	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.	007900
Eu.SCI-LX.PDI.213	Req	Receiver Identifier The message bytes 23 - 42 shall contain the operational identifier of the LX track according to ID Eu.SCI-XX.PDI.59 in ISO IEC 8859-1:1998 format.	007900
Eu.SCI-LX.PDI.214	Req	Isolate Level Crossing track The message byte 43 shall provide the requested state of the isolation. Permitted values are: <div> <div>value</div> <div>meaning</div> <div>-----</div> <div>-----</div> </div>	007900
Eu.SCI-LX.PDI.215	Req	0x01 Isolate activation	007900
Eu.SCI-LX.PDI.216	Req	0x02 Isolate activation and deactivation	007900
Eu.SCI-LX.PDI.217	Req	0x03 Remove isolation	007900
Eu.SCI-LX.PDI.218	Head	3.4.10 Message "LX Functional Status"	Default
Eu.SCI-LX.PDI.219	Info	With this telegram the External Level Crossing System reports to the Subsystem – Electronic Interlocking a changed LX related functional status. This telegram refines the InformationFlow "Msg_LX_Functional_Status" specified in the requirements specification (ID Eu.LX.1744).	Default
Eu.SCI-LX.PDI.220	Info	Telegram definition for message "LX Functional Status"	Default

ID	Type	Requirement		Appl.																				
		<table><tr><th>Byte-Nr.</th><th>Content</th></tr><tr><td>00</td><td>Protocol Type: 0xC0 (1 Byte binary)</td></tr><tr><td>01..02</td><td>Message Type: 0x00010 (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>Activation status (1 Byte binary)</td></tr><tr><td>44</td><td>Activation type (1 Byte binary)</td></tr><tr><td>45</td><td>Blocked for activation (1 Byte binary)</td></tr><tr><td>46</td><td>Blocked for deactivation (1 Byte binary)</td></tr><tr><td>47</td><td>Minimum Open Timer (1 Byte binary)</td></tr></table>	Byte-Nr.	Content	00	Protocol Type: 0xC0 (1 Byte binary)	01..02	Message Type: 0x00010 (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	Activation status (1 Byte binary)	44	Activation type (1 Byte binary)	45	Blocked for activation (1 Byte binary)	46	Blocked for deactivation (1 Byte binary)	47	Minimum Open Timer (1 Byte binary)		
Byte-Nr.	Content																							
00	Protocol Type: 0xC0 (1 Byte binary)																							
01..02	Message Type: 0x00010 (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	Activation status (1 Byte binary)																							
44	Activation type (1 Byte binary)																							
45	Blocked for activation (1 Byte binary)																							
46	Blocked for deactivation (1 Byte binary)																							
47	Minimum Open Timer (1 Byte binary)																							
Eu.SCI-LX.PDI.221	Req	Permitted values for message "LX Functional Status":		Default																				
Eu.SCI-LX.PDI.222	Req	Message Type The message bytes 1 - 2 shall be set to 0x00010.		Default																				
Eu.SCI-LX.PDI.223	Req	Sender Identifier The message bytes 3 - 22 shall contain the operational identifier of the External Level Crossing System according to ID Eu.SCI-XX.PDI.59 in ISO IEC 8859-1:1998 format.		Default																				
Eu.SCI-LX.PDI.224	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.		Default																				
Eu.SCI-LX.PDI.225	Req	Activation status The message byte 43 shall provide the Activation status. Permitted values are: value meaning ----- -----		Default																				
Eu.SCI-LX.PDI.226	Req	0x01	Deactivated and unprotected	Default																				
Eu.SCI-LX.PDI.227	Req	0x02	Activated and unprotected	Default																				
Eu.SCI-LX.PDI.228	Req	0x03	Activated and protected	Default																				

ID	Type	Requirement	Appl.
Eu.SCI-LX.PDI.523	Req	0x04 Deactivating and unprotected	007600
Eu.SCI-LX.PDI.229	Req	Activation type The message byte 44 shall provide the Activation type. Permitted values are: value meaning ----- -----	Default
Eu.SCI-LX.PDI.230	Req	0x01 Unconditional activation	Default
Eu.SCI-LX.PDI.510	Req	0x02 Local activation for shunting	007900 008000
Eu.SCI-LX.PDI.233	Req	0xFE No Activation	Default
Eu.SCI-LX.PDI.237	Req	Blocked for activation The message byte 45 shall provide the Blocked for activation. Permitted values are: value meaning ----- -----	Default
Eu.SCI-LX.PDI.238	Req	0x01 Level crossing not blocked for activation	008000
Eu.SCI-LX.PDI.239	Req	0x02 Level crossing blocked for activation	008000
Eu.SCI-LX.PDI.240	Req	0xFF Blocked for activation is not applicable	007600 007900 008200
Eu.SCI-LX.PDI.533	Req	Blocked for deactivation The message byte 46 shall provide the Blocked for activation. Permitted values are: value meaning ----- -----	Default

ID	Type	Requirement	Appl.
Eu.SCI-LX.PDI.526	Req	0x01 Level crossing not blocked for deactivation	007600
Eu.SCI-LX.PDI.528	Req	0x02 Level crossing blocked for deactivation	007600
Eu.SCI-LX.PDI.527	Req	0xFF Blocked for deactivation is not applicable	007900 008000 008200
Eu.SCI-LX.PDI.524	Req	Minimum Open Timer The message byte 47 shall provide the minimum open timer. Permitted values are: <div> <div>value</div> <div>meaning</div> <div>-----</div> <div>-----</div> </div>	Default
Eu.SCI-LX.PDI.534	Req	0x01 Timer not running	007600
Eu.SCI-LX.PDI.535	Req	0x02 Timer running	007600
Eu.SCI-LX.PDI.536	Req	0xFF Minimum open timer is not applicable	007900 008000 008200
Eu.SCI-LX.PDI.241	Head	3.4.11 Message "Track-related Functional Status"	007900 008000 008200
Eu.SCI-LX.PDI.242	Info	With this telegram the External Level Crossing System reports to the Subsystem – Electronic Interlocking a changed Track related functional status. This telegram refines the InformationFlow "Msg_Track_related_Functional_Status" specified in the requirements specification (ID Eu.LX.1750).	007900 008000 008200
Eu.SCI-LX.PDI.243	Info	Telegram definition for message "Track-related Functional Status"	007900 008000 008200

ID	Type	Requirement		Appl.
		Byte-Nr.	Content	
		00	Protocol Type: 0xC0 (1 Byte binary)	
		01..02	Message Type: 0x00011 (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	Activation status (1 Byte binary)	
		44	Activation type (1 Byte binary)	
		45	Consent (1 Byte binary)	
		46	Route index (1 Byte binary)	
		47	Auxiliary index (1 Byte binary)	
		48	Status of Activation Point in direction 1_(1 Byte binary)	
		49	Status of Activation Point in direction 2_(1 Byte binary)	
		50	Status of track isolation (1 Byte binary)	
		Eu.SCI-LX.PDI.244	Req	
Eu.SCI-LX.PDI.245	Req	Message Type The message bytes 1 - 2 shall be set to 0x0011.		007900 008000 008200
Eu.SCI-LX.PDI.246	Req	Sender Identifier The message bytes 3 - 22 shall contain the operational identifier of the LX track according to ID Eu.SCI-XX.PDI.59 in ISO IEC 8859-1:1998 format.		007900 008000 008200
Eu.SCI-LX.PDI.247	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.		007900 008000 008200

ID	Type	Requirement	Appl.
Eu.SCI-LX.PDI.248	Req	Activation status The message byte 43 shall provide the Activation status. Permitted values are: <div> <div>value</div> <div>meaning</div> <div>-----</div> <div>-----</div> </div>	007900 008000 008200
Eu.SCI-LX.PDI.249	Req	0x01 Deactivated and unprotected	007900 008000 008200
Eu.SCI-LX.PDI.250	Req	0x02 Activated and unprotected	007900 008000 008200
Eu.SCI-LX.PDI.251	Req	0x03 Activated and protected	007900 008000 008200
Eu.SCI-LX.PDI.252	Req	0x04 Ready to activate by activation point	008000
Eu.SCI-LX.PDI.253	Req	Activation type The message byte 44 shall provide the Activation type. Permitted values are: <div> <div>value</div> <div>meaning</div> <div>-----</div> <div>-----</div> </div>	007900 008000 008200
Eu.SCI-LX.PDI.254	Req	0x01 Track-related activation	007900 008000 008200
Eu.SCI-LX.PDI.257	Req	0x02 Enabled Activation Point	007900 008000

ID	Type	Requirement	Appl.
Eu.SCI-LX.PDI.258	Req	0x03 Disabled Activation Point	007900 008000
Eu.SCI-LX.PDI.507	Req	0xFE No Activation	007900 008000 008200
Eu.SCI-LX.PDI.506	Req	Consent The message byte 45 shall provide the information whether there is consent to set the signal which protects the level crossing on aspect proceed or not. Permitted values are: <div> <div>value</div> <div>meaning</div> <div>-----</div> <div>-----</div> </div>	007900 008000 008200
Eu.SCI-LX.PDI.255	Req	0x01 Consent to set the signal which protects the level crossing on aspect proceed	007900 008000 008200
Eu.SCI-LX.PDI.256	Req	0x02 Revoked consent to set the signal which protects the level crossing on aspect proceed	007900 008000 008200
Eu.SCI-LX.PDI.508	Req	0xFF Consent is not applicable	007900 008000 008200
Eu.SCI-LX.PDI.260	Req	Route index The message byte 46 shall provide the Route index. Permitted values are: <div> <div>value</div> <div>meaning</div> <div>-----</div> <div>-----</div> </div>	007900 008000 008200
Eu.SCI-LX.PDI.261	Req	0x01..0xFD Route index	007900 008000 008200

ID	Type	Requirement	Appl.
Eu.SCI-LX.PDI.262	Req	0xFF Route index not applicable	007900 008000 008200
Eu.SCI-LX.PDI.263	Req	Auxiliary index The message byte 47 shall provide the Auxiliary index. Permitted values are: <div> value meaning ----- ----- </div>	007900 008000 008200
Eu.SCI-LX.PDI.264	Req	0x01..0x28 Activation point index	007900 008000
Eu.SCI-LX.PDI.265	Req	0x80 Direction 1	007900 008000 008200
Eu.SCI-LX.PDI.266	Req	0x81 Direction 2	007900 008000 008200
Eu.SCI-LX.PDI.267	Req	0xFF Auxiliary index not applicable	007900 008000 008200
Eu.SCI-LX.PDI.268	Req	Status of Activation Point in direction 1 The message byte 48 shall provide the Status of Activation Point in direction 1. Permitted values are: <div> value meaning ----- ----- </div>	007900 008000 008200
Eu.SCI-LX.PDI.269	Req	0x01 Enabled Activation point	007900 008000

ID	Type	Requirement	Appl.
Eu.SCI-LX.PDI.270	Req	0x02 Disabled Activation point	007900 008000
Eu.SCI-LX.PDI.271	Req	0x03 Failure occurred	007900 008000
Eu.SCI-LX.PDI.272	Req	0xFF Status of Activation Point in direction 1 not applicable	007900 008000 008200
Eu.SCI-LX.PDI.273	Req	Status of Activation Point in direction 2 The message byte 49 shall provide the Status of Activation Point in direction 2. Permitted values are: value meaning ----- -----	007900 008000 008200
Eu.SCI-LX.PDI.274	Req	0x01 Enabled Activation point	007900 008000
Eu.SCI-LX.PDI.275	Req	0x02 Disabled Activation point	007900 008000
Eu.SCI-LX.PDI.276	Req	0x03 Failure occurred	007900 008000
Eu.SCI-LX.PDI.277	Req	0xFF Status of Activation Point in direction 2 not applicable	007900 008000 008200
Eu.SCI-LX.PDI.278	Req	Status of track isolation The message byte 50 shall provide the Status of track isolation. Permitted values are: value meaning ----- -----	007900 008000 008200

ID	Type	Requirement	Appl.												
Eu.SCI-LX.PDI.279	Req	0x01 Isolated activation	007900												
Eu.SCI-LX.PDI.280	Req	0x02 Isolated activation and deactivation	007900												
Eu.SCI-LX.PDI.281	Req	0x03 No track isolation	007900												
Eu.SCI-LX.PDI.282	Req	0xFF Status of track isolation not applicable	008000 008200												
Eu.SCI-LX.PDI.283	Head	3.4.12 Message "Obstacle Detection Status"	008000												
Eu.SCI-LX.PDI.284	Info	With this telegram the External Level Crossing System reports to the Subsystem – Electronic Interlocking a changed Obstacle Detection status. This telegram refines the InformationFlow "Msg_Obstacle_Detection_Status" specified in the requirements specification (ID Eu.LX.1746).	008000												
Eu.SCI-LX.PDI.285	Info	Telegram definition for command "Obstacle detection" <table><tr><th>Byte-Nr.</th><th>Content</th></tr><tr><td>00</td><td>Protocol Type: 0xC0 (1 Byte binary)</td></tr><tr><td>01..02</td><td>Message Type: 0x0012 (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>Obstacle detection (1 Byte binary)</td></tr></table>	Byte-Nr.	Content	00	Protocol Type: 0xC0 (1 Byte binary)	01..02	Message Type: 0x0012 (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	Obstacle detection (1 Byte binary)	008000
Byte-Nr.	Content														
00	Protocol Type: 0xC0 (1 Byte binary)														
01..02	Message Type: 0x0012 (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	Obstacle detection (1 Byte binary)														
Eu.SCI-LX.PDI.286	Req	Permitted values for message "Obstacle Detection Status":	008000												
Eu.SCI-LX.PDI.287	Req	Message Type The message bytes 1 - 2 shall be set to 0x012.	008000												

ID	Type	Requirement	Appl.
Eu.SCI-LX.PDI.288	Req	Sender Identifier The message bytes 3 - 22 shall contain the operational identifier of the External Level Crossing System according to ID Eu.SCI-XX.PDI.59 in ISO IEC 8859-1:1998 format.	008000
Eu.SCI-LX.PDI.289	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.	008000
Eu.SCI-LX.PDI.290	Req	Obstacle detection The message byte 43 shall provide the Obstacle detection. Permitted values are: <div style="display: flex; justify-content: space-between; width: 100%;"> <div style="text-align: center;">value</div> <div style="text-align: center;">meaning</div> </div> <div style="display: flex; justify-content: space-between; width: 100%;"> <div style="text-align: center;">-----</div> <div style="text-align: center;">-----</div> </div>	008000
Eu.SCI-LX.PDI.291	Req	0x01 No obstacle in conflict area	008000
Eu.SCI-LX.PDI.292	Req	0x02 Obstacle detected in conflict area	008000
Eu.SCI-LX.PDI.293	Head	3.4.13 Message "Detection Element Status"	007600 007900
Eu.SCI-LX.PDI.294	Info	With this telegram the External Level Crossing System reports to the Subsystem – Electronic Interlocking a changed Detection Element status. This telegram refines the InformationFlow "Msg_Detection_Element_Status" specified in the requirements specification (ID Eu.LX.1741).	007600 007900
Eu.SCI-LX.PDI.295	Info	Telegram definition for command "Detection Element Status"	007600 007900

ID	Type	Requirement	Appl.														
		<table><tr><th>Byte-Nr.</th><th>Content</th></tr><tr><td>00</td><td>Protocol Type: 0xC0 (1 Byte binary)</td></tr><tr><td>01..02</td><td>Message Type: 0x0013 (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>Number k of following Detection Elements (1 Byte binary)</td></tr><tr><td>44..44+k-1</td><td>Status of Detection Element n (each 1 Byte binary) (1<=n<=k)</td></tr></table>	Byte-Nr.	Content	00	Protocol Type: 0xC0 (1 Byte binary)	01..02	Message Type: 0x0013 (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	Number k of following Detection Elements (1 Byte binary)	44..44+k-1	Status of Detection Element n (each 1 Byte binary) (1<=n<=k)	
Byte-Nr.	Content																
00	Protocol Type: 0xC0 (1 Byte binary)																
01..02	Message Type: 0x0013 (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	Number k of following Detection Elements (1 Byte binary)																
44..44+k-1	Status of Detection Element n (each 1 Byte binary) (1<=n<=k)																
Eu.SCI-LX.PDI.296	Req	Permitted values for message "Detection Element Status":	007600 007900														
Eu.SCI-LX.PDI.297	Req	Message Type The message bytes 1 - 2 shall be set to 0x013.	007600 007900														
Eu.SCI-LX.PDI.298	Req	Sender Identifier The message bytes 3 - 22 shall contain the operational identifier of the LX track according to ID Eu.SCI-XX.PDI.59 in ISO IEC 8859-1:1998 format.	007600 007900														
Eu.SCI-LX.PDI.299	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.	007600 007900														
Eu.SCI-LX.PDI.300	Req	Number k of following Detection Elements The message byte 43 shall contains the number k of below-given statuses for Detection Elements, transmitted in single bytes. As a maximum, 32 Detection Elements can be configured, therefore, the highest permitted value for byte 43 is 0x20.	007600 007900														

ID	Type	Requirement	Appl.
Eu.SCI-LX.PDI.304	Req	Detection Element Status The message bytes 44..44+k-1 ($1 \leq n \leq k$) contain the current states of the particular Detection Element n. Permitted values are: value meaning ----- -----	007600 007900
Eu.SCI-LX.PDI.305	Req	0x01 Detection element is vacant	007600 007900
Eu.SCI-LX.PDI.306	Req	0x02 Detection element is occupied	007600 007900
Eu.SCI-LX.PDI.307	Req	0x03 Detection element is failed	007600 007900
Eu.SCI-LX.PDI.309	Head	3.4.14 Message "LX Monitoring Status"	007900 008000 008200
Eu.SCI-LX.PDI.310	Info	With this telegram the External Level Crossing System reports to the Subsystem – Electronic Interlocking a changed LX related monitoring status of the protection facility. This telegram refines the InformationFlow "Msg_LX_Monitoring_Status" specified in the requirements specification (ID Eu.LX.1745).	007900 008000 008200
Eu.SCI-LX.PDI.311	Info	Telegram definition for message "LX Monitoring Status"	007900 008000 008200

ID	Type	Requirement	Appl.																						
		<table><tr><th>Byte-Nr.</th><th>Content</th></tr><tr><td>00</td><td>Protocol Type: 0xC0 (1 Byte binary)</td></tr><tr><td>01..02</td><td>Message Type: 0x0014 (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>Barrier position (1 Byte binary)</td></tr><tr><td>44</td><td>Barrier movement (1 Byte binary)</td></tr><tr><td>45</td><td>Road lights status (1 Byte binary)</td></tr><tr><td>46</td><td>Activation irregularity (1 Byte binary)</td></tr><tr><td>47</td><td>Power supply status (1 Byte binary)</td></tr><tr><td>48</td><td>Barrier intact (1 Byte binary)</td></tr></table>	Byte-Nr.	Content	00	Protocol Type: 0xC0 (1 Byte binary)	01..02	Message Type: 0x0014 (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	Barrier position (1 Byte binary)	44	Barrier movement (1 Byte binary)	45	Road lights status (1 Byte binary)	46	Activation irregularity (1 Byte binary)	47	Power supply status (1 Byte binary)	48	Barrier intact (1 Byte binary)	
Byte-Nr.	Content																								
00	Protocol Type: 0xC0 (1 Byte binary)																								
01..02	Message Type: 0x0014 (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	Barrier position (1 Byte binary)																								
44	Barrier movement (1 Byte binary)																								
45	Road lights status (1 Byte binary)																								
46	Activation irregularity (1 Byte binary)																								
47	Power supply status (1 Byte binary)																								
48	Barrier intact (1 Byte binary)																								
Eu.SCI-LX.PDI.312	Req	Permitted values for message "LX Monitoring Status":	007900 008000 008200																						
Eu.SCI-LX.PDI.313	Req	Message Type The message bytes 1 - 2 shall be set to 0x0014.	007900 008000 008200																						
Eu.SCI-LX.PDI.314	Req	Sender Identifier The message bytes 3 - 22 shall contain the operational identifier of the External Level Crossing System according to ID Eu.SCI-XX.PDI.59 in ISO IEC 8859-1:1998 format.	007900 008000 008200																						
Eu.SCI-LX.PDI.315	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.	007900 008000 008200																						

ID	Type	Requirement	Appl.
Eu.SCI-LX.PDI.316	Req	Barrier position The message byte 43 shall provide the Barrier position. Permitted values are: <div> <div>value</div> <div>meaning</div> <div>-----</div> <div>-----</div> </div>	007900 008000 008200
Eu.SCI-LX.PDI.317	Req	0x01 End position at the top	007900
Eu.SCI-LX.PDI.318	Req	0x02 End position at the bottom	007900
Eu.SCI-LX.PDI.319	Req	0x03 No End position	007900 008000
Eu.SCI-LX.PDI.320	Req	0xFF Barrier position is not applicable	007900 008000 008200
Eu.SCI-LX.PDI.321	Req	Barrier movement The message byte 44 shall provide the Barrier movement. Permitted values are: <div> <div>value</div> <div>meaning</div> <div>-----</div> <div>-----</div> </div>	007900 008000 008200
Eu.SCI-LX.PDI.322	Req	0x01 Barrier movement downwards	007900
Eu.SCI-LX.PDI.323	Req	0x02 Barrier movement upwards	007900
Eu.SCI-LX.PDI.324	Req	0x03 No movement	007900
Eu.SCI-LX.PDI.325	Req	0xFF Barrier movement is not applicable	007900 008000 008200

ID	Type	Requirement	Appl.
Eu.SCI-LX.PDI.326	Req	Road lights status The message byte 45 shall provide the status of the Road lights. Permitted values are: <div> <div>value</div> <div>meaning</div> <div>-----</div> <div>-----</div> </div>	007900 008000 008200
Eu.SCI-LX.PDI.327	Req	0x01 Road lights off	007900
Eu.SCI-LX.PDI.328	Req	0x02 Road lights on	007900
Eu.SCI-LX.PDI.329	Req	0xFF Road light status is not applicable	008000 008200
Eu.SCI-LX.PDI.330	Req	Activation irregularity The message byte 46 shall provide the incomplected activation process. Permitted values are: <div> <div>value</div> <div>meaning</div> <div>-----</div> <div>-----</div> </div>	007900 008000 008200
Eu.SCI-LX.PDI.331	Req	0x01 No Activation irregularity	008000
Eu.SCI-LX.PDI.332	Req	0x02 Activation process could not be completed	008000
Eu.SCI-LX.PDI.333	Req	0xFF Activation irregularity is not applicable	007900 008200
Eu.SCI-LX.PDI.341	Req	Power supply status The message byte 47 shall provide the Power supply status of the External Level Crossing System. Permitted values are: <div> <div>value</div> <div>meaning</div> <div>-----</div> <div>-----</div> </div>	007900 008000 008200
Eu.SCI-LX.PDI.342	Req	0x01 Power supply is working correctly	008000

ID	Type	Requirement	Appl.
Eu.SCI-LX.PDI.343	Req	0x02 Power supply is not fully available	008000
Eu.SCI-LX.PDI.344	Req	0xFF Power supply status is not applicable	007900 008000 008200
Eu.SCI-LX.PDI.516	Req	Barrier intact status The message byte 48 shall provide the Barrier intact status. Permitted values are: value meaning ----- -----	007900 008000 008200
Eu.SCI-LX.PDI.517	Req	0x01 intact	008000
Eu.SCI-LX.PDI.518	Req	0x02 not intact	008000
Eu.SCI-LX.PDI.519	Req	0xFF Barrier intact is not applicable	007900 008000 008200
Eu.SCI-LX.PDI.345	Head	3.4.15 Message "Track-related Monitoring Status"	007900 008000 008200
Eu.SCI-LX.PDI.346	Info	With this telegram the External Level Crossing System reports to the Subsystem – Electronic Interlocking a changed track related monitoring status of the protection facility. This telegram refines the InformationFlow "Msg_Track_related_Monitoring_Status" specified in the requirements specification (ID Eu.LX.1751).	007900 008000 008200
Eu.SCI-LX.PDI.347	Info	Telegram definition for message "Track-related Monitoring Status"	007900 008000 008200

ID	Type	Requirement	Appl.																
		<table><tr><th>Byte-Nr.</th><th>Content</th></tr><tr><td>00</td><td>Protocol Type: 0xC0 (1 Byte binary)</td></tr><tr><td>01..02</td><td>Message Type: 0x0015 (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>Prolongation of Track-related activation (1 Byte binary)</td></tr><tr><td>44</td><td>Track related deactivation failure (1 Byte binary)</td></tr><tr><td>45</td><td>Timer overrun (1 Byte binary)</td></tr></table>	Byte-Nr.	Content	00	Protocol Type: 0xC0 (1 Byte binary)	01..02	Message Type: 0x0015 (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	Prolongation of Track-related activation (1 Byte binary)	44	Track related deactivation failure (1 Byte binary)	45	Timer overrun (1 Byte binary)	
Byte-Nr.	Content																		
00	Protocol Type: 0xC0 (1 Byte binary)																		
01..02	Message Type: 0x0015 (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	Prolongation of Track-related activation (1 Byte binary)																		
44	Track related deactivation failure (1 Byte binary)																		
45	Timer overrun (1 Byte binary)																		
Eu.SCI-LX.PDI.348	Req	Permitted values for message "Track-related Monitoring Status":	007900 008000 008200																
Eu.SCI-LX.PDI.349	Req	Message Type The message bytes 1 - 2 shall be set to 0x0015.	007900 008000 008200																
Eu.SCI-LX.PDI.350	Req	Sender Identifier The message bytes 3 - 22 shall contain the operational identifier of the LX track according to ID Eu.SCI-XX.PDI.59 in ISO IEC 8859-1:1998 format.	007900 008000 008200																
Eu.SCI-LX.PDI.351	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.	007900 008000 008200																
Eu.SCI-LX.PDI.352	Req	Prolongation of Track-related activation The message byte 43 shall provide the status of a delayed track-related activation. Permitted values are: value meaning ----- -----	007900 008000 008200																

ID	Type	Requirement	Appl.
Eu.SCI-LX.PDI.353	Req	0x01 Prolonged track-related activation	007900 008000
Eu.SCI-LX.PDI.354	Req	0x02 No prolongation of track-related activation	007900 008000
Eu.SCI-LX.PDI.355	Req	0xFF Prolongation of track-related activation is not applicable	008200
Eu.SCI-LX.PDI.356	Req	Track-related "deactivation failure" The message byte 44 shall provide the Track-related "deactivation failure". Permitted values are: <div> <div>value</div> <div>meaning</div> <div>-----</div> <div>-----</div> </div>	007900 008000 008200
Eu.SCI-LX.PDI.357	Req	0x01 Track-related deactivation is failed	008000 008200
Eu.SCI-LX.PDI.358	Req	0x02 Track-related deactivation is not failed	008000 008200
Eu.SCI-LX.PDI.359	Req	0xFF Track-related deactivation failure is not applicable	007900 008200
Eu.SCI-LX.PDI.360	Req	Timer overrun The message byte 45 shall provide the occurred Closure timer overrun. Permitted values are: <div> <div>value</div> <div>meaning</div> <div>-----</div> <div>-----</div> </div>	007900 008000 008200
Eu.SCI-LX.PDI.361	Req	0x01 No Closure timer overrun	007900 008000
Eu.SCI-LX.PDI.362	Req	0x02 Closure timer overrun occurred	007900

ID	Type	Requirement	Appl.														
Eu.SCI-LX.PDI.509	Req	0x03 Closure timer overrun occurred (Approaching train)	008000														
Eu.SCI-LX.PDI.363	Req	0x04 Closure timer overrun occurred (Deactivation)	008000														
Eu.SCI-LX.PDI.364	Req	0xFF Timer overrun is not applicable	008200														
Eu.SCI-LX.PDI.365	Head	3.4.16 Message "LX Failure Status"	Default														
Eu.SCI-LX.PDI.366	Info	With this telegram the External Level Crossing System reports to the Subsystem – Electronic Interlocking an occurred failure status LX related. This telegram refines the InformationFlow "Msg_LX_Failure_Status" specified in the requirements specification (ID Eu.LX.1743).	Default														
Eu.SCI-LX.PDI.367	Info	Telegram definition for message "LX Failure Status" <table><tr><th>Byte-Nr.</th><th>Content</th></tr><tr><td>00</td><td>Protocol Type: 0xC0 (1 Byte binary)</td></tr><tr><td>01..02</td><td>Message Type: 0x0016 (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>Non critical failure status (1 Byte binary)</td></tr><tr><td>44</td><td>Critical failure status (1 Byte binary)</td></tr></table>	Byte-Nr.	Content	00	Protocol Type: 0xC0 (1 Byte binary)	01..02	Message Type: 0x0016 (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	Non critical failure status (1 Byte binary)	44	Critical failure status (1 Byte binary)	Default
Byte-Nr.	Content																
00	Protocol Type: 0xC0 (1 Byte binary)																
01..02	Message Type: 0x0016 (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	Non critical failure status (1 Byte binary)																
44	Critical failure status (1 Byte binary)																
Eu.SCI-LX.PDI.368	Req	Permitted values for message "LX Failure Status":	Default														
Eu.SCI-LX.PDI.369	Req	Message Type The message bytes 1 - 2 shall be set to 0x0016.	Default														
Eu.SCI-LX.PDI.370	Req	Sender Identifier The message bytes 3 - 22 shall contain the operational identifier of the External Level Crossing System according to ID Eu.SCI-XX.PDI.59 in ISO IEC 8859-1:1998 format.	Default														

ID	Type	Requirement	Appl.
Eu.SCI-LX.PDI.371	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.	Default
Eu.SCI-LX.PDI.372	Req	Non Critical failure status The message byte 43 shall provide the non critical failure status. Permitted values are: <div> <div>value</div> <div>meaning</div> <div>-----</div> <div>-----</div> </div>	Default
Eu.SCI-LX.PDI.373	Req	0x01 A non critical failure is present	Default
Eu.SCI-LX.PDI.374	Req	0x02 No non critical failure is present	Default
Eu.SCI-LX.PDI.375	Req	0xFF Non critical failure status is not applicable	Default
Eu.SCI-LX.PDI.376	Req	Critical failure status The message byte 44 shall provide the Critical failure status. Permitted values are: <div> <div>value</div> <div>meaning</div> <div>-----</div> <div>-----</div> </div>	Default
Eu.SCI-LX.PDI.377	Req	0x01 A critical failure is present	Default
Eu.SCI-LX.PDI.378	Req	0x02 No critical failure is present	Default
Eu.SCI-LX.PDI.379	Req	0xFF Critical failure status is not applicable	Default
Eu.SCI-LX.PDI.380	Head	3.4.17 Message "Track-related Failure Status"	007900 008000 008200
Eu.SCI-LX.PDI.381	Info	With this telegram the External Level Crossing System reports to the Subsystem – Electronic Interlocking an occurred failure status track related. This telegram refines the InformationFlow "Msg_Track_related_Failure_Status" specified in the requirements specification (ID Eu.LX.1749).	007900 008000 008200
Eu.SCI-LX.PDI.382	Info	Telegram definition for message "Track-related Failure Status"	007900 008000 008200

ID	Type	Requirement		Appl.														
		<table><tr><th>Byte-Nr.</th><th>Content</th></tr><tr><td>00</td><td>Protocol Type: 0xC0 (1 Byte binary)</td></tr><tr><td>01..02</td><td>Message Type: 0x0017 (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>Non critical failure status (1 Byte binary)</td></tr><tr><td>44</td><td>Critical failure status (1 Byte binary)</td></tr></table>	Byte-Nr.	Content	00	Protocol Type: 0xC0 (1 Byte binary)	01..02	Message Type: 0x0017 (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	Non critical failure status (1 Byte binary)	44	Critical failure status (1 Byte binary)		
Byte-Nr.	Content																	
00	Protocol Type: 0xC0 (1 Byte binary)																	
01..02	Message Type: 0x0017 (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	Non critical failure status (1 Byte binary)																	
44	Critical failure status (1 Byte binary)																	
Eu.SCI-LX.PDI.383	Req	Permitted values for message "Track-related Failure Status":		007900 008000 008200														
Eu.SCI-LX.PDI.384	Req	Message Type The message bytes 1 - 2 shall be set to 0x0017.		007900 008000 008200														
Eu.SCI-LX.PDI.385	Req	Sender Identifier The message bytes 3 - 22 shall contain the operational identifier of the LX track according to ID Eu.SCI-XX.PDI.59 in ISO IEC 8859-1:1998 format.		007900 008000 008200														
Eu.SCI-LX.PDI.386	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.		007900 008000 008200														
Eu.SCI-LX.PDI.387	Req	Non Critical failure status The message byte 43 shall provide the non critical failure status. Permitted values are: value meaning ----- -----		007900 008000 008200														

ID	Type	Requirement	Appl.
Eu.SCI-LX.PDI.388	Req	0x01 A non critical failure is present	007900 008000 008200
Eu.SCI-LX.PDI.389	Req	0x02 No non critical failure is present	007900 008000 008200
Eu.SCI-LX.PDI.390	Req	0xFF Non critical failure status is not applicable	007900 008000 008200
Eu.SCI-LX.PDI.391	Req	Critical failure status The message byte 44 shall provide the Critical failure status. Permitted values are: value meaning ----- -----	007900 008000 008200
Eu.SCI-LX.PDI.392	Req	0x01 A critical failure is present	007900 008000 008200
Eu.SCI-LX.PDI.393	Req	0x02 No critical failure is present	007900 008000 008200
Eu.SCI-LX.PDI.394	Req	0xFF Critical failure status is not applicable	007900 008000 008200
Eu.SCI-LX.PDI.437	Head	3.4.18 Message "Track-related Command Admissibility"	008000 008200

ID	Type	Requirement	Appl.																						
Eu.SCI-LX.PDI.438	Info	With this telegram the External Level Crossing System reports to the Subsystem – Electronic Interlocking the track related admissibility of commands. This telegram refines the InformationFlow "Msg_Track_related_Command_Admissibility" specified in the requirements specification (ID Eu.LX.1748).	008000 008200																						
Eu.SCI-LX.PDI.439	Info	Telegram definition for message "Track-related Command Admissibility": <table><tr><th>Byte-Nr.</th><th>Content</th></tr><tr><td>00</td><td>Protocol Type: 0xC0 (1 Byte binary)</td></tr><tr><td>01..02</td><td>Message Type: 0x0018 (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>Command for activation by activation point (1 Byte binary)</td></tr><tr><td>44</td><td>Command for track related activation (1 Byte binary)</td></tr><tr><td>45</td><td>Command to enable the prolongation (1 Byte binary)</td></tr><tr><td>46</td><td>Command to disable the prolongation (1 Byte binary)</td></tr><tr><td>47</td><td>Command for track related deactivation (1 Byte binary)</td></tr><tr><td>48</td><td>Command for route related activation (1 Byte binary)</td></tr></table>	Byte-Nr.	Content	00	Protocol Type: 0xC0 (1 Byte binary)	01..02	Message Type: 0x0018 (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	Command for activation by activation point (1 Byte binary)	44	Command for track related activation (1 Byte binary)	45	Command to enable the prolongation (1 Byte binary)	46	Command to disable the prolongation (1 Byte binary)	47	Command for track related deactivation (1 Byte binary)	48	Command for route related activation (1 Byte binary)	008000 008200
Byte-Nr.	Content																								
00	Protocol Type: 0xC0 (1 Byte binary)																								
01..02	Message Type: 0x0018 (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	Command for activation by activation point (1 Byte binary)																								
44	Command for track related activation (1 Byte binary)																								
45	Command to enable the prolongation (1 Byte binary)																								
46	Command to disable the prolongation (1 Byte binary)																								
47	Command for track related deactivation (1 Byte binary)																								
48	Command for route related activation (1 Byte binary)																								
Eu.SCI-LX.PDI.440	Info	The message byte names in message "Track-related Command Admissibility" are terms from the national requirements. This telegram is only applicable for DB (008000) and CFL (008200). Further information are implemented in the national requirements.	008000 008200																						
Eu.SCI-LX.PDI.441	Req	Permitted values for message "Track-related Command Admissibility":	008000 008200																						
Eu.SCI-LX.PDI.442	Req	Message Type The message bytes 1 - 2 shall be set to 0x0018.	008000 008200																						

ID	Type	Requirement	Appl.
Eu.SCI-LX.PDI.443	Req	Sender Identifier The message bytes 3 - 22 shall contain the operational identifier of the LX track according to ID Eu.SCI-XX.PDI.59 in ISO IEC 8859-1:1998 format.	008000 008200
Eu.SCI-LX.PDI.444	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.	008000 008200
Eu.SCI-LX.PDI.445	Req	Command for activation by activation point The message byte 43 shall inform about the admissibility of Command for activation by activation point. Permitted values are: <div style="display: flex; justify-content: space-between;"> <div>value</div> <div>meaning</div> </div> <div style="display: flex; justify-content: space-between;"> <div>-----</div> <div>-----</div> </div>	008000 008200
Eu.SCI-LX.PDI.446	Req	0x01 Command for activation by activation point admissible	008000
Eu.SCI-LX.PDI.447	Req	0x02 Command for activation by activation point not admissible	008000
Eu.SCI-LX.PDI.448	Req	0xFF Command for activation by activation point Admissibility is not applicable	008000 008200
Eu.SCI-LX.PDI.449	Req	Command for track related activation The message byte 44 shall inform about the admissibility of Command for track related activation. Permitted values are: <div style="display: flex; justify-content: space-between;"> <div>value</div> <div>meaning</div> </div> <div style="display: flex; justify-content: space-between;"> <div>-----</div> <div>-----</div> </div>	008000 008200
Eu.SCI-LX.PDI.450	Req	0x01 Command for track related activation admissible	008000 008200
Eu.SCI-LX.PDI.451	Req	0x02 Command for track related activation not admissible	008000 008200

ID	Type	Requirement	Appl.
Eu.SCI-LX.PDI.452	Req	0xFF Command for track related activation Admissibility is not applicable	008000 008200
Eu.SCI-LX.PDI.453	Req	Command to enable the prolongation The message byte 45 shall inform about the admissibility of Command to enable the prolongation. Permitted values are: <div> <div>value</div> <div>meaning</div> <div>-----</div> <div>-----</div> </div>	008000 008200
Eu.SCI-LX.PDI.454	Req	0x01 Command to enable the prolongation admissible	008000
Eu.SCI-LX.PDI.455	Req	0x02 Command to enable the prolongation not admissible	008000
Eu.SCI-LX.PDI.456	Req	0xFF Command to enable the prolongation Admissibility is not applicable	008000 008200
Eu.SCI-LX.PDI.457	Req	Command to disable the prolongation The message byte 46 shall inform about the admissibility of Command to disable the prolongation. Permitted values are: <div> <div>value</div> <div>meaning</div> <div>-----</div> <div>-----</div> </div>	008000 008200
Eu.SCI-LX.PDI.458	Req	0x01 Command to disable the prolongation admissible	008000
Eu.SCI-LX.PDI.459	Req	0x02 Command to disable the prolongation not admissible	008000
Eu.SCI-LX.PDI.460	Req	0xFF Command to disable the prolongation Admissibility is not applicable	008000 008200
Eu.SCI-LX.PDI.461	Req	Command for track related deactivation The message byte 47 shall inform about the admissibility of Command for track related deactivation. Permitted values are: <div> <div>value</div> <div>meaning</div> <div>-----</div> <div>-----</div> </div>	008000 008200

ID	Type	Requirement	Appl.
Eu.SCI-LX.PDI.462	Req	0x01 Command for track related deactivation admissible	008000 008200
Eu.SCI-LX.PDI.463	Req	0x02 Command for track related deactivation not admissible	008000 008200
Eu.SCI-LX.PDI.464	Req	0xFF Command for track related deactivation Admissibility is not applicable	008000 008200
Eu.SCI-LX.PDI.465	Req	Command for route related activation The message byte 48 shall inform about the admissibility of Command for route related activation. Permitted values are: <div> <div>value</div> <div>meaning</div> <div>-----</div> <div>-----</div> </div>	008000 008200
Eu.SCI-LX.PDI.466	Req	0x01 Command for route related activation admissible	008000 008200
Eu.SCI-LX.PDI.467	Req	0x02 Command for route related activation not admissible	008000 008200
Eu.SCI-LX.PDI.468	Req	0xFF Command for route related activation Admissibility is not applicable	008000 008200
Eu.SCI-LX.PDI.469	Head	3.4.19 Message "LX Command Admissibility"	008000 008200
Eu.SCI-LX.PDI.470	Info	With this telegram the External Level Crossing System reports to the Subsystem – Electronic Interlocking to inform the LX related admissibility of commands. This telegram refines the InformationFlow "Msg_LX_Command_Admissibility" specified in the requirements specification (ID Eu.LX.1742).	008000 008200

ID	Type	Requirement	Appl.																		
Eu.SCI-LX.PDI.471	Info	Telegram definition for message "LX Command Admissibility":	008000 008200																		
		<table><tr><th>Byte-Nr.</th><th>Content</th></tr><tr><td>00</td><td>Protocol Type: 0xC0 (1 Byte binary)</td></tr><tr><td>01..02</td><td>Message Type: 0x0019 (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>Command Crossing Clear (1 Byte binary)</td></tr><tr><td>44</td><td>Command to unblock the LX (1 Byte binary)</td></tr><tr><td>45</td><td>Command for LX related activation (1 Byte binary)</td></tr><tr><td>46</td><td>Command for LX related deactivation (1 Byte binary)</td></tr></table>		Byte-Nr.	Content	00	Protocol Type: 0xC0 (1 Byte binary)	01..02	Message Type: 0x0019 (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	Command Crossing Clear (1 Byte binary)	44	Command to unblock the LX (1 Byte binary)	45	Command for LX related activation (1 Byte binary)	46	Command for LX related deactivation (1 Byte binary)
		Byte-Nr.		Content																	
		00		Protocol Type: 0xC0 (1 Byte binary)																	
		01..02		Message Type: 0x0019 (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		Command Crossing Clear (1 Byte binary)																	
		44		Command to unblock the LX (1 Byte binary)																	
		45		Command for LX related activation (1 Byte binary)																	
46	Command for LX related deactivation (1 Byte binary)																				
Eu.SCI-LX.PDI.472	Info	The message byte names in message "LX Command Admissibility" are terms from the national requirements. This telegram is only applicable for DB (008000) and CFL (008200). Further information are implemented in the national requirements.	008000 008200																		
Eu.SCI-LX.PDI.473	Req	Permitted values for message "LX Command Admissibility":	008000 008200																		
Eu.SCI-LX.PDI.474	Req	Message Type The message bytes 1 - 2 shall be set to 0x0019.	008000 008200																		
Eu.SCI-LX.PDI.475	Req	Sender Identifier The message bytes 3 - 22 shall contain the operational identifier of the External Level Crossing System according to ID Eu.SCI-XX.PDI.59 in ISO IEC 8859-1:1998 format.	008000 008200																		
Eu.SCI-LX.PDI.476	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.	008000 008200																		

ID	Type	Requirement	Appl.
Eu.SCI-LX.PDI.477	Req	Command Crossing Clear The message byte 43 shall inform about the admissibility of Command Crossing Clear. Permitted values are: <div> <div>value</div> <div>meaning</div> <div>-----</div> <div>-----</div> </div>	008000 008200
Eu.SCI-LX.PDI.478	Req	0x01 Command Crossing Clear admissible	008000
Eu.SCI-LX.PDI.479	Req	0x02 Command Crossing Clear not admissible	008000
Eu.SCI-LX.PDI.480	Req	0xFF Command Crossing Clear Admissibility is not applicable	008000 008200
Eu.SCI-LX.PDI.481	Req	Command to unblock the LX The message byte 44 shall inform about the admissibility of Command to unblock the LX. Permitted values are: <div> <div>value</div> <div>meaning</div> <div>-----</div> <div>-----</div> </div>	008000 008200
Eu.SCI-LX.PDI.482	Req	0x01 Command to unblock the LX admissible	008000
Eu.SCI-LX.PDI.483	Req	0x02 Command to unblock the LX not admissible	008000
Eu.SCI-LX.PDI.484	Req	0xFF Command to unblock the LX Admissibility is not applicable	008000 008200
Eu.SCI-LX.PDI.485	Req	Command for LX related activation The message byte 45 shall inform about the admissibility of Command for LX related activation. Permitted values are: <div> <div>value</div> <div>meaning</div> <div>-----</div> <div>-----</div> </div>	008000 008200
Eu.SCI-LX.PDI.486	Req	0x01 Command for LX related activation admissible	008200

ID	Type	Requirement	Appl.
Eu.SCI-LX.PDI.487	Req	0x02 Command for LX related activation not admissible	008200
Eu.SCI-LX.PDI.488	Req	0xFF Command for LX related activation Admissibility is not applicable	008000 008200
Eu.SCI-LX.PDI.489	Req	Command for LX related deactivation The message byte 46 shall inform about the admissibility of Command for LX related deactivation. Permitted values are: <div style="display: flex; justify-content: space-between;"> <div>value</div> <div>meaning</div> </div> <div style="display: flex; justify-content: space-between;"> <div>-----</div> <div>-----</div> </div>	008000 008200
Eu.SCI-LX.PDI.490	Req	0x01 Command for LX related deactivation admissible	008200
Eu.SCI-LX.PDI.491	Req	0x02 Command for LX related deactivation not admissible	008200
Eu.SCI-LX.PDI.492	Req	0xFF Command for LX related deactivation Admissibility is not applicable	008000 008200
Eu.SCI-LX.PDI.493	Head	3.4.20 Message "Status Of Activation Point"	008000
Eu.SCI-LX.PDI.494	Info	With this telegram the External Level Crossing System reports to the Subsystem – Electronic Interlocking the status of the Activation Points. This telegram refines the InformationFlow "Msg_Status_Of_Activation_Point" specified in the requirements specification (ID Eu.LX.1747).	008000
Eu.SCI-LX.PDI.495	Info	Telegram definition for message "Status Of Activation Point":	008000

ID	Type	Requirement		Appl.
		Byte-Nr.	Content	
		00	Protocol Type: 0xC0 (1 Byte binary)	
		01..02	Message Type: 0x0020 (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	Number k of following Activation Points (1 Byte binary)	
		44..44+k-1	Status of Activation Point n (each 1 Byte binary)	
Eu.SCI-LX.PDI.496	Req	Permitted values for message "Status Of Activation Point":		008000
Eu.SCI-LX.PDI.497	Req	Message Type The message bytes 1 - 2 shall be set to 0x0020.		008000
Eu.SCI-LX.PDI.498	Req	Sender Identifier The message bytes 3 - 22 shall contain the operational identifier of the External Level Crossing System according to ID Eu.SCI-XX.PDI.59 in ISO IEC 8859-1:1998 format.		008000
Eu.SCI-LX.PDI.499	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.		008000
Eu.SCI-LX.PDI.500	Req	Number k of following Activation Points The message bytes 43 shall contain the number k of below-given statuses for Activation Points, transmitted in single bytes. As a maximum, 40 Activation Points can be commanded, therefore, the highest permitted value for byte 43 is 0x28.		008000

ID	Type	Requirement	Appl.
Eu.SCI-LX.PDI.501	Req	Status of Activation Point n The message byte 44..44+k-1 ($1 \leq n \leq k$) shall contain the current status of the particular Activation Point n. Permitted values are: <div> <div>value</div> <div>meaning</div> <div>-----</div> <div>-----</div> </div>	008000
Eu.SCI-LX.PDI.502	Req	0x01 Activation Point not failed	008000
Eu.SCI-LX.PDI.503	Req	0x02 Activation Point failed	008000