



**EULYNX Initiative**

## **Interface specification SCI-LX**

Document number: Eu.Doc.112  
Version: 2.1 (1.A)

Contents

<b>1</b>	<b>Introduction</b>	<b>1</b>
1.1	Release information	1
1.2	Impressum	1
1.3	Purpose	1
1.4	Applicable standards and regulations	2
1.5	Applicable documents	2
1.6	Appendices	2
1.7	Terms and abbreviations	2
1.8	Variability management	2
1.9	Definition of object types	2
<b>2</b>	<b>General requirements</b>	<b>2</b>
2.1	Version handling	3
2.2	Communication requirements	3
2.3	Functional requirements	3
<b>3</b>	<b>Telegrams SCI-LX.PDI</b>	<b>3</b>
3.1	Telegram structure	3
3.2	Sender and Receiver Identifier	3
3.3	Message and command type overview	3
3.4	Telegram definitions	5
3.4.1	Command "LX Activation"	5
3.4.2	Command "Track-related Activation"	6
3.4.3	Command "LX Deactivation"	8
3.4.4	Command "Track-related Deactivation"	9
3.4.5	Command "Control Activation Point"	11
3.4.6	Command "Track-related Prolong Activation"	12
3.4.7	Command "Crossing Clear"	13
3.4.8	Command "Block LX"	14
3.4.9	Command "Track-related Isolation"	14
3.4.10	Message "LX Functional Status"	15
3.4.11	Message "Track-related Functional Status"	17
3.4.12	Message "Obstacle Detection Status"	21
3.4.13	Message "Detection Element Status"	22
3.4.14	Message "LX Monitoring Status"	23
3.4.15	Message "Track-related Monitoring Status"	26
3.4.16	Message "LX Failure Status"	28
3.4.17	Message "Track-related Failure Status"	29
3.4.18	Message "Track-related Command Admissibility"	30

3.4.19	Message "LX Command Admissibility"	32
3.4.20	Message "Status Of Activation Point"	34

ID	Type	Requirement	Appl.	JIRA	V 2.1 (1.A) > V 2.1 (0.A)
Eu.SCI-LX.PDI.1	Head	<b>1 Introduction</b>	Default		
Eu.SCI-LX.PDI.2	Head	<b>1.1 Release information</b>	Default		
Eu.SCI-LX.PDI.3	Info	[Eu.Doc.112] Interface specification SCI-LX CENELEC Phase: 5 Version: 2.1 (1.A) Approval date: 02.06.2025	Default		<b>Object Text:</b> [Eu.Doc.112] Interface specification SCI-LX CENELEC Phase: 5 Version: 2.1 (01.A) Approval date: <del>1502</del> .06. <del>2023</del> <u>2025</u>
Eu.SCI-LX.PDI.4	Info	<b>Version history</b>	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.545	Info	version number: 2.1 (1.A) date: 19.06.2025 author: Philipp Wolber review: CCB changes: EULX-612, EULX-620, EULX-629, EULX-648	Default		object created after baseline 2.1 (0.A)
Eu.SCI-LX.PDI.6	Head	<b>1.2 Impressum</b>	Default		
Eu.SCI-LX.PDI.7	Info	Publisher: <b>EULYNX Initiative</b>  A full list of the EULYNX Partners can be found on <a href="https://eulynx.eu/">https://eulynx.eu/</a> .	Default	EULX-620	<b>Object Text:</b> Publisher: EULYNX Initiative  A full list of the EULYNX Partners can be found on <a href="https://eulynx.eu/index.php/members">www-https://eulynx.eu/index.php/members</a> <b>a_JIRA_BL4R4:</b> <a href="#">EULX-620</a>
Eu.SCI-LX.PDI.8	Info	Responsible for this document: EULYNX Project Management Office <a href="http://www.eulynx.eu">www.eulynx.eu</a>	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	<b>1.3 Purpose</b>	Default		
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		

ID	Type	Requirement	Appl.	JIRA	V 2.1 (1.A) > V 2.1 (0.A)
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"><li>• safety authorities</li><li>• infrastructure managers</li><li>• safety assessors</li><li>• signalling system suppliers</li><li>• validators</li></ul>	Default		
Eu.SCI-LX.PDI.17	Head	<b>1.4 Applicable standards and regulations</b>	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	<b>1.5 Applicable documents</b>	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	<b>1.6 Appendices</b>	Default		
Eu.SCI-LX.PDI.22	Info	<i>- intentionally left blank -</i>	Default		
Eu.SCI-LX.PDI.23	Head	<b>1.7 Terms and abbreviations</b>	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	<b>1.8 Variability management</b>	Default		
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	<b>1.9 Definition of object types</b>	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"><li>• "Req" - This denotes a mandatory requirement.</li></ul>	Default		
Eu.SCI-LX.PDI.30	Info	<ul style="list-style-type: none"><li>• "Info" - This denotes additional information to help understand the specification. These objects do not specify any additional requirements.</li></ul>	Default		
Eu.SCI-LX.PDI.31	Info	<ul style="list-style-type: none"><li>• "Head" - This denotes chapter headings.</li></ul>	Default		
Eu.SCI-LX.PDI.32	Head	<b>2 General requirements</b>	Default		
Eu.SCI-LX.PDI.540	Req	All references to [Eu.Doc.111] refer to Requirements specification for SCI-LX version 2.2.	Default	EULX-612 EULX-648	<b>Object Text:</b> All references to <a href="#">[Eu.Doc.111]</a> refer to Requirements specification for SCI-LX version 2.2- <del>(0:A)</del> . <b>a_JIRA_BL4R4:</b> <a href="#">EULX-612</a> <a href="#">EULX-648</a>

ID	Type	Requirement	Appl.	JIRA	V 2.1 (1.A) > V 2.1 (0.A)
Eu.SCI-LX.PDI.514	Req	All references to [Eu.Doc.93] refer to Interface specification SCI Generic version 3.3.	Default	EULX-612 EULX-629 EULX-648	<b>Object Text:</b> All references to <a href="#">[Eu.Doc.93]</a> refer to Interface specification SCI Generic version 3-2-(0.A)3. <b>a_JIRA_BL4R4:</b> <a href="#">EULX-612</a> <a href="#">EULX-629</a> <a href="#">EULX-648</a>
Eu.SCI-LX.PDI.33	Head	<b>2.1 Version handling</b>	Default		
Eu.SCI-LX.PDI.34	Info	The Version handling is described in [Eu.Doc.93].	Default	EULX-612	<b>Object Text:</b> The Version handling is described in <a href="#">[Eu.Doc.93]</a> . <b>a_JIRA_BL4R4:</b> <a href="#">EULX-612</a>
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	<b>2.2 Communication requirements</b>	Default		
Eu.SCI-LX.PDI.36	Info	The Communication requirements are described in [Eu.Doc.93].	Default	EULX-612	<b>Object Text:</b> The Communication requirements are described in <a href="#">[Eu.Doc.93]</a> . <b>a_JIRA_BL4R4:</b> <a href="#">EULX-612</a>
Eu.SCI-LX.PDI.541	Head	<b>2.3 Functional requirements</b>	Default		
Eu.SCI-LX.PDI.542	Info	The functional requirements for SCI-LX are described in [Eu.Doc.111].	Default	EULX-612	<b>Object Text:</b> The functional requirements for SCI-LX are described in <a href="#">[Eu.Doc.111]</a> . <b>a_JIRA_BL4R4:</b> <a href="#">EULX-612</a>
Eu.SCI-LX.PDI.37	Head	<b>3 Telegrams SCI-LX.PDI</b>	Default		
Eu.SCI-LX.PDI.38	Info	This chapter defines the SCI-LX.PDI telegrams.	Default		
Eu.SCI-LX.PDI.39	Head	<b>3.1 Telegram structure</b>	Default		
Eu.SCI-LX.PDI.40	Info	The telegram structure is specified in [Eu.Doc.93].	Default	EULX-612	<b>Object Text:</b> The telegram structure is specified in <a href="#">[Eu.Doc.93]</a> . <b>a_JIRA_BL4R4:</b> <a href="#">EULX-612</a>
Eu.SCI-LX.PDI.41	Head	<b>3.2 Sender and Receiver Identifier</b>	Default		
Eu.SCI-LX.PDI.42	Info	The identification of communications partners is specified in [Eu.Doc.93].	Default	EULX-612	<b>Object Text:</b> The identification of communications partners is specified in <a href="#">[Eu.Doc.93]</a> . <b>a_JIRA_BL4R4:</b> <a href="#">EULX-612</a>
Eu.SCI-LX.PDI.43	Head	<b>3.3 Message and command type overview</b>	Default		
Eu.SCI-LX.PDI.44	Info	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].	Default	EULX-612	<b>Object Text:</b> The following table shows permitted subsystem specific message types for the SCI-LX.PDI. The permitted generic message types are specified in <a href="#">[Eu.Doc.93]</a> .  <b>a_JIRA_BL4R4:</b>

ID	Type	Requirement					Appl.	JIRA	V 2.1 (1.A) > V 2.1 (0.A)
		<b>Message Type</b>	<b>Value</b>	<b>Sender</b>	<b>Receiver</b>	<b>Purpose</b>			<a href="#">EULX-612</a>
		<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			

ID	Type	Requirement	Appl.	JIRA	V 2.1 (1.A) > V 2.1 (0.A)																																																												
Eu.SCI-LX.PDI.45	Info	<div>Part 2</div> <table><tr><th>Message Type</th><th>Value</th><th>Sender</th><th>Receiver</th><th>Purpose</th></tr><tr><td><i>message</i> LX Functional Status</td><td>0x0010</td><td>External Level Crossing System</td><td>Subsystem – Electronic Interlocking</td><td>Report of a changed LX functional status</td></tr><tr><td><i>message</i> TR Functional Status</td><td>0x0011</td><td>LX track</td><td>Subsystem – Electronic Interlocking</td><td>Report of a changed track related functional status</td></tr><tr><td><i>message</i> Obstacle Detection Status</td><td>0x0012</td><td>External Level Crossing System</td><td>Subsystem – Electronic Interlocking</td><td>Report of a changed Obstacle Detection Status</td></tr><tr><td><i>message</i> Detection Element Status</td><td>0x0013</td><td>LX track</td><td>Subsystem – Electronic Interlocking</td><td>Report of a changed Detection Element Status</td></tr><tr><td><i>message</i> LX Monitoring Status</td><td>0x0014</td><td>External Level Crossing System</td><td>Subsystem – Electronic Interlocking</td><td>Report of a changed LX monitoring status</td></tr><tr><td><i>message</i> TR Monitoring Status</td><td>0x0015</td><td>LX track</td><td>Subsystem – Electronic Interlocking</td><td>Report of a changed track related monitoring status</td></tr><tr><td><i>message</i> LX Failure Status</td><td>0x0016</td><td>External Level Crossing System</td><td>Subsystem – Electronic Interlocking</td><td>Report the current LX failure status</td></tr><tr><td><i>message</i> TR Failure Status</td><td>0x0017</td><td>LX track</td><td>Subsystem – Electronic Interlocking</td><td>Report the current track related failure status</td></tr><tr><td><i>message</i> Track related Command Admissibility</td><td>0x0018</td><td>LX track</td><td>Subsystem – Electronic Interlocking</td><td>Report to inform about the track related admissibility of commands.</td></tr><tr><td><i>message</i> LX Command Admissibility</td><td>0x0019</td><td>External Level Crossing System</td><td>Subsystem – Electronic Interlocking</td><td>Report to inform about the LX admissibility of commands.</td></tr><tr><td><i>message</i> Status Of Activation Point</td><td>0x0020</td><td>External Level Crossing System</td><td>Subsystem – Electronic Interlocking</td><td>Report status of Activation Point(s).</td></tr></table>	Message Type	Value	Sender	Receiver	Purpose	<i>message</i> LX Functional Status	0x0010	External Level Crossing System	Subsystem – Electronic Interlocking	Report of a changed LX functional status	<i>message</i> TR Functional Status	0x0011	LX track	Subsystem – Electronic Interlocking	Report of a changed track related functional status	<i>message</i> Obstacle Detection Status	0x0012	External Level Crossing System	Subsystem – Electronic Interlocking	Report of a changed Obstacle Detection Status	<i>message</i> Detection Element Status	0x0013	LX track	Subsystem – Electronic Interlocking	Report of a changed Detection Element Status	<i>message</i> LX Monitoring Status	0x0014	External Level Crossing System	Subsystem – Electronic Interlocking	Report of a changed LX monitoring status	<i>message</i> TR Monitoring Status	0x0015	LX track	Subsystem – Electronic Interlocking	Report of a changed track related monitoring status	<i>message</i> LX Failure Status	0x0016	External Level Crossing System	Subsystem – Electronic Interlocking	Report the current LX failure status	<i>message</i> TR Failure Status	0x0017	LX track	Subsystem – Electronic Interlocking	Report the current track related failure status	<i>message</i> Track related Command Admissibility	0x0018	LX track	Subsystem – Electronic Interlocking	Report to inform about the track related admissibility of commands.	<i>message</i> LX Command Admissibility	0x0019	External Level Crossing System	Subsystem – Electronic Interlocking	Report to inform about the LX admissibility of commands.	<i>message</i> Status Of Activation Point	0x0020	External Level Crossing System	Subsystem – Electronic Interlocking	Report status of Activation Point(s).	Default		
Message Type	Value	Sender	Receiver	Purpose																																																													
<i>message</i> LX Functional Status	0x0010	External Level Crossing System	Subsystem – Electronic Interlocking	Report of a changed LX functional status																																																													
<i>message</i> TR Functional Status	0x0011	LX track	Subsystem – Electronic Interlocking	Report of a changed track related functional status																																																													
<i>message</i> Obstacle Detection Status	0x0012	External Level Crossing System	Subsystem – Electronic Interlocking	Report of a changed Obstacle Detection Status																																																													
<i>message</i> Detection Element Status	0x0013	LX track	Subsystem – Electronic Interlocking	Report of a changed Detection Element Status																																																													
<i>message</i> LX Monitoring Status	0x0014	External Level Crossing System	Subsystem – Electronic Interlocking	Report of a changed LX monitoring status																																																													
<i>message</i> TR Monitoring Status	0x0015	LX track	Subsystem – Electronic Interlocking	Report of a changed track related monitoring status																																																													
<i>message</i> LX Failure Status	0x0016	External Level Crossing System	Subsystem – Electronic Interlocking	Report the current LX failure status																																																													
<i>message</i> TR Failure Status	0x0017	LX track	Subsystem – Electronic Interlocking	Report the current track related failure status																																																													
<i>message</i> Track related Command Admissibility	0x0018	LX track	Subsystem – Electronic Interlocking	Report to inform about the track related admissibility of commands.																																																													
<i>message</i> LX Command Admissibility	0x0019	External Level Crossing System	Subsystem – Electronic Interlocking	Report to inform about the LX admissibility of commands.																																																													
<i>message</i> Status Of Activation Point	0x0020	External Level Crossing System	Subsystem – Electronic Interlocking	Report status of Activation Point(s).																																																													
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	EULX-612	<b>Object Text:</b> In this chapter, specific telegrams for SCI-LX.PDI are defined. The generic telegrams are defined in [Eu.Doc.93]. <b>a_JIRA_BL4R4:</b> <a href="#">EULX-612</a>																																																												
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"	007600 007900 008200																																																														



ID	Type	Requirement	Appl.	JIRA	V 2.1 (1.A) > V 2.1 (0.A)												
		<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)			
Byte-Nr.	Content																
00	Protocol Type: 0xC0 (1 Byte binary)																
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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	<b>Message Type</b> The message bytes 1 - 2 shall be set to 0x0001.	007600 007900 008200														
Eu.SCI-LX.PDI.53	Req	<b>Sender Identifier</b> The message bytes 3 - 22 shall contain the technical identifier of the Subsystem - Electronic Interlocking according to ID Eu.SCI-XX.PDI.59 in ISO IEC 8859-1:1998 format.	007600 007900 008200														
Eu.SCI-LX.PDI.54	Req	<b>Receiver Identifier</b> 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	<b>Activation type</b> The message byte 43 shall provide the Activation type. Permitted values are:  value            meaning -----        -----	007600 007900 008200														
Eu.SCI-LX.PDI.56	Req	0x01            Unconditional activation	007600 007900 008200														
Eu.SCI-LX.PDI.58	Head	<b>3.4.2 Command "Track-related Activation"</b>	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														
Eu.SCI-LX.PDI.60	Info	Telegram definition for command "Track-related Activation"	007900 008000 008200														

ID	Type	Requirement	Appl.	JIRA	V 2.1 (1.A) > V 2.1 (0.A)																
		<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)			
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	<b>Message Type</b> The message bytes 1 - 2 shall be set to 0x0002.	007900 008000 008200																		
Eu.SCI-LX.PDI.63	Req	<b>Sender Identifier</b> The message bytes 3 - 22 shall contain the technical identifier of the Subsystem - Electronic Interlocking according to ID Eu.SCI-XX.PDI.59 in ISO IEC 8859-1:1998 format.	007900 008000 008200																		
Eu.SCI-LX.PDI.64	Req	<b>Receiver Identifier</b> 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.65	Req	<b>Activation type</b> The message byte 43 shall provide the Activation type. Permitted values are:  value            meaning -----        -----	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																		

ID	Type	Requirement	Appl.	JIRA	V 2.1 (1.A) > V 2.1 (0.A)
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	<b>Route index</b> The message byte 44 shall include the information regarding route dependencies. Permitted values are:  value            meaning -----    -----	007900 008000 008200		
Eu.SCI-LX.PDI.72	Req	0x01..0xFD      Route index	007900 008000 008200		
Eu.SCI-LX.PDI.73	Req	0xFF            Route index not applicable	007900 008000 008200		
Eu.SCI-LX.PDI.74	Req	<b>Auxiliary index</b> The message byte 45 shall include the information regarding the direction of expected train movement. Permitted values are:  value            meaning -----    -----	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	<b>3.4.3 Command "LX Deactivation"</b>	007600 007900 008200		
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		

ID	Type	Requirement	Appl.	JIRA	V 2.1 (1.A) > V 2.1 (0.A)												
Eu.SCI-LX.PDI.82	Info	Telegram definition for command " LX Deactivation"	007600 007900 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: 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
		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	<b>Message Type</b> The message bytes 1 - 2 shall be set to 0x0003.	007600 007900 008200														
Eu.SCI-LX.PDI.85	Req	<b>Sender Identifier</b> The message bytes 3 - 22 shall contain the technical identifier of the Subsystem - Electronic Interlocking according to ID Eu.SCI-XX.PDI.59 in ISO IEC 8859-1:1998 format.	007600 007900 008200														
Eu.SCI-LX.PDI.86	Req	<b>Receiver Identifier</b> 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.504	Req	<b>Deactivation type</b> 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	<b>3.4.4 Command "Track-related Deactivation"</b>	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"	007900 008000 008200														

ID	Type	Requirement	Appl.	JIRA	V 2.1 (1.A) > V 2.1 (0.A)														
		<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)			
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)																		
Eu.SCI-LX.PDI.90	Req	Permitted values for command "Track-related Deactivation":	007900 008000 008200																
Eu.SCI-LX.PDI.91	Req	<b>Message Type</b> The message bytes 1 - 2 shall be set to 0x0004.	007900 008000 008200																
Eu.SCI-LX.PDI.92	Req	<b>Sender Identifier</b> The message bytes 3 - 22 shall contain the technical identifier of the Subsystem - Electronic Interlocking according to ID Eu.SCI-XX.PDI.59 in ISO IEC 8859-1:1998 format.	007900 008000 008200																
Eu.SCI-LX.PDI.93	Req	<b>Receiver Identifier</b> 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	<b>Route index</b> The message byte 43 shall include the information regarding route dependencies. Permitted values are:  value            meaning -----        -----	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																
Eu.SCI-LX.PDI.97	Req	<b>Auxiliary index</b> The message byte 44 shall include the information regarding the direction of expected train movement. Permitted values are:  value            meaning -----        -----	007900 008000 008200																
Eu.SCI-LX.PDI.98	Req	0x01...0x0D        Activation Point index	008000																

ID	Type	Requirement	Appl.	JIRA	V 2.1 (1.A) > V 2.1 (0.A)																
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	<b>3.4.5 Command "Control Activation Point"</b>	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" <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)	007900 008000		
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	<b>Message Type</b> The message bytes 1 - 2 shall be set to 0x0005.	007900 008000																		
Eu.SCI-LX.PDI.108	Req	<b>Sender Identifier</b> The message bytes 3 - 22 shall contain the technical identifier of the Subsystem - Electronic Interlocking according to ID Eu.SCI-XX.PDI.59 in ISO IEC 8859-1:1998 format.	007900 008000																		
Eu.SCI-LX.PDI.109	Req	<b>Receiver Identifier</b> 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																		

ID	Type	Requirement	Appl.	JIRA	V 2.1 (1.A) > V 2.1 (0.A)														
Eu.SCI-LX.PDI.110	Req	<b>Activation Point index</b> 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	<b>Control Activation Point</b> The message byte 44 shall include the request to enable or disable an Activation Point. Permitted values are:  value            meaning -----        -----	007900 008000																
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	<b>Route index</b> 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	<b>3.4.6 Command "Track-related Prolong Activation"</b>	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" <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)	007900 008000		
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																

ID	Type	Requirement	Appl.	JIRA	V 2.1 (1.A) > V 2.1 (0.A)										
Eu.SCI-LX.PDI.121	Req	<b>Message Type</b> The message bytes 1 - 2 shall be set to 0x0006.	007900 008000												
Eu.SCI-LX.PDI.122	Req	<b>Sender Identifier</b> The message bytes 3 - 22 shall contain the technical identifier of the Subsystem - Electronic Interlocking according to ID Eu.SCI-XX.PDI.59 in ISO IEC 8859-1:1998 format.	007900 008000												
Eu.SCI-LX.PDI.123	Req	<b>Receiver Identifier</b> 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	<b>Prolong track-related activation</b> 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												
Eu.SCI-LX.PDI.126	Req	0x02            Command to disable prolongation	007900 008000												
Eu.SCI-LX.PDI.127	Req	<b>Defined time value of prolongation</b> 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	<b>3.4.7 Command "Crossing Clear"</b>	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												



ID	Type	Requirement	Appl.	JIRA	V 2.1 (1.A) > V 2.1 (0.A)												
Eu.SCI-LX.PDI.142	Req	<b>Message Type</b> The message bytes 1 - 2 shall be set to 0x0007.	008000														
Eu.SCI-LX.PDI.143	Req	<b>Sender Identifier</b> The message bytes 3 - 22 shall contain the technical identifier of the Subsystem - Electronic Interlocking according to ID Eu.SCI-XX.PDI.59 in ISO IEC 8859-1:1998 format.	008000														
Eu.SCI-LX.PDI.144	Req	<b>Receiver Identifier</b> 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	<b>3.4.8 Command "Block LX"</b>	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	<b>Message Type</b> The message bytes 1 - 2 shall be set to 0x0008.	008000														
Eu.SCI-LX.PDI.150	Req	<b>Sender Identifier</b> The message bytes 3 - 22 shall contain the technical identifier of the Subsystem - Electronic Interlocking according to ID Eu.SCI-XX.PDI.59 in ISO IEC 8859-1:1998 format.	008000														
Eu.SCI-LX.PDI.151	Req	<b>Receiver Identifier</b> 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.152	Req	<b>Status</b> 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	<b>3.4.9 Command "Track-related Isolation"</b>	007900														

ID	Type	Requirement	Appl.	JIRA	V 2.1 (1.A) > V 2.1 (0.A)												
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	<b>Message Type</b> The message bytes 1 - 2 shall be set to 0x0009.	007900														
Eu.SCI-LX.PDI.212	Req	<b>Sender Identifier</b> The message bytes 3 - 22 shall contain the technical identifier of the Subsystem - Electronic Interlocking according to ID Eu.SCI-XX.PDI.59 in ISO IEC 8859-1:1998 format.	007900														
Eu.SCI-LX.PDI.213	Req	<b>Receiver Identifier</b> 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	<b>Isolate Level Crossing track</b> The message byte 43 shall provide the requested state of the isolation. Permitted values are:  value            meaning -----        -----	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	<b>3.4.10 Message "LX Functional Status"</b>	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.	JIRA	V 2.1 (1.A) > V 2.1 (0.A)
		<b>Byte-Nr.</b>	<b>Content</b>			
		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	<b>Message Type</b> The message bytes 1 - 2 shall be set to 0x00010.		Default		
Eu.SCI-LX.PDI.223	Req	<b>Sender Identifier</b> 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	<b>Receiver Identifier</b> The message bytes 23 - 42 shall contain the technical identifier of the Subsystem - Electronic Interlocking according to ID Eu.SCI-XX.PDI.59 in ISO IEC 8859-1:1998 format.		Default		
Eu.SCI-LX.PDI.225	Req	<b>Activation status</b> 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		
Eu.SCI-LX.PDI.523	Req	0x04	Deactivating and unprotected	007600		
Eu.SCI-LX.PDI.229	Req	<b>Activation type</b> 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		

ID	Type	Requirement	Appl.	JIRA	V 2.1 (1.A) > V 2.1 (0.A)
Eu.SCI-LX.PDI.237	Req	<b>Blocked for activation</b> The message byte 45 shall provide the Blocked for activation. Permitted values are:  <div> <div>value</div> <div>meaning</div> <div>-----</div> <div>-----</div> </div>	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	<b>Blocked for deactivation</b> The message byte 46 shall provide the Blocked for activation. Permitted values are:  <div> <div>value</div> <div>meaning</div> <div>-----</div> <div>-----</div> </div>	Default		
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	<b>Minimum Open Timer</b> 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	<b>3.4.11 Message "Track-related Functional Status"</b>	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		

ID	Type	Requirement	Appl.	JIRA	V 2.1 (1.A) > V 2.1 (0.A)																										
Eu.SCI-LX.PDI.243	Info	Telegram definition for message "Track-related Functional Status"	007900 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: 0x00011 (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>Consent (1 Byte binary)</td></tr><tr><td>46</td><td>Route index (1 Byte binary)</td></tr><tr><td>47</td><td>Auxiliary index (1 Byte binary)</td></tr><tr><td>48</td><td>Status of Activation Point in direction 1_(1 Byte binary)</td></tr><tr><td>49</td><td>Status of Activation Point in direction 2_(1 Byte binary)</td></tr><tr><td>50</td><td>Status of track isolation (1 Byte binary)</td></tr></table>				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)
		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	Permitted values for message "Track-related Functional Status":	007900 008000 008200																												
Eu.SCI-LX.PDI.245	Req	<b>Message Type</b> The message bytes 1 - 2 shall be set to 0x0011.	007900 008000 008200																												
Eu.SCI-LX.PDI.246	Req	<b>Sender Identifier</b> 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	<b>Receiver Identifier</b> The message bytes 23 - 42 shall contain the technical identifier of the Subsystem - Electronic Interlocking according to ID Eu.SCI-XX.PDI.59 in ISO IEC 8859-1:1998 format.	007900 008000 008200																												
Eu.SCI-LX.PDI.248	Req	<b>Activation status</b> The message byte 43 shall provide the Activation status. Permitted values are:  <table><tr><td>value</td><td>meaning</td></tr><tr><td>-----</td><td>-----</td></tr></table>	value	meaning	-----	-----	007900 008000 008200																								
value	meaning																														
-----	-----																														
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																												

ID	Type	Requirement	Appl.	JIRA	V 2.1 (1.A) > V 2.1 (0.A)
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	<b>Activation type</b> The message byte 44 shall provide the Activation type. Permitted values are:  value            meaning -----      -----	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		
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	<b>Consent</b> 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:  value            meaning -----      -----	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	<b>Route index</b> The message byte 46 shall provide the Route index. Permitted values are:  value            meaning -----      -----	007900 008000 008200		

ID	Type	Requirement	Appl.	JIRA	V 2.1 (1.A) > V 2.1 (0.A)
Eu.SCI-LX.PDI.261	Req	0x01..0xFD      Route index	007900 008000 008200		
Eu.SCI-LX.PDI.262	Req	0xFF              Route index not applicable	007900 008000 008200		
Eu.SCI-LX.PDI.263	Req	<b>Auxiliary index</b> The message byte 47 shall provide the Auxiliary index. Permitted values are:  value              meaning -----      -----	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	<b>Status of Activation Point in direction 1_</b> The message byte 48 shall provide the Status of Activation Point in direction 1. Permitted values are:  value              meaning -----      -----	007900 008000 008200		
Eu.SCI-LX.PDI.269	Req	0x01              Enabled Activation point	007900 008000		
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		

ID	Type	Requirement	Appl.	JIRA	V 2.1 (1.A) > V 2.1 (0.A)												
Eu.SCI-LX.PDI.273	Req	<b>Status of Activation Point in direction 2_</b> 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	<b>Status of track isolation_</b> The message byte 50 shall provide the Status of track isolation. Permitted values are:  value            meaning -----        -----	007900 008000 008200														
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	<b>3.4.12 Message "Obstacle Detection Status"</b>	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)																



ID	Type	Requirement	Appl.	JIRA	V 2.1 (1.A) > V 2.1 (0.A)														
Eu.SCI-LX.PDI.286	Req	Permitted values for message "Obstacle Detection Status":	008000																
Eu.SCI-LX.PDI.287	Req	<b>Message Type</b> The message bytes 1 - 2 shall be set to 0x012.	008000																
Eu.SCI-LX.PDI.288	Req	<b>Sender Identifier</b> 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	<b>Receiver Identifier</b> The message bytes 23 - 42 shall contain the technical identifier of the Subsystem - Electronic Interlocking according to ID Eu.SCI-XX.PDI.59 in ISO IEC 8859-1:1998 format.	008000																
Eu.SCI-LX.PDI.290	Req	<b>Obstacle detection</b> The message byte 43 shall provide the Obstacle detection. Permitted values are:  value            meaning -----        -----	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	<b>3.4.13 Message "Detection Element Status"</b>	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" <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&lt;=n&lt;=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)	007600 007900		
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	<b>Message Type</b> The message bytes 1 - 2 shall be set to 0x013.	007600 007900																

ID	Type	Requirement	Appl.	JIRA	V 2.1 (1.A) > V 2.1 (0.A)
Eu.SCI-LX.PDI.298	Req	<b>Sender Identifier</b> 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	<b>Receiver Identifier</b> The message bytes 23 - 42 shall contain the technical identifier of the Subsystem - Electronic Interlocking according to ID Eu.SCI-XX.PDI.59 in ISO IEC 8859-1:1998 format.	007600 007900		
Eu.SCI-LX.PDI.300	Req	<b>Number k of following Detection Elements</b> 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		
Eu.SCI-LX.PDI.304	Req	<b>Detection Element Status</b> The message bytes 44..44+k-1 (1 <= n <= 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	<b>3.4.14 Message "LX Monitoring Status"</b>	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		

ID	Type	Requirement	Appl.	JIRA	V 2.1 (1.A) > V 2.1 (0.A)																						
Eu.SCI-LX.PDI.311	Info	Telegram definition for message "LX Monitoring Status"	007900 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: 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	<b>Message Type</b> The message bytes 1 - 2 shall be set to 0x0014.	007900 008000 008200																								
Eu.SCI-LX.PDI.314	Req	<b>Sender Identifier</b> 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	<b>Receiver Identifier</b> The message bytes 23 - 42 shall contain the technical identifier of the Subsystem - Electronic Interlocking according to ID Eu.SCI-XX.PDI.59 in ISO IEC 8859-1:1998 format.	007900 008000 008200																								
Eu.SCI-LX.PDI.316	Req	<b>Barrier position</b> The message byte 43 shall provide the Barrier position. Permitted values are:  value            meaning -----        -----	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																								

ID	Type	Requirement	Appl.	JIRA	V 2.1 (1.A) > V 2.1 (0.A)
Eu.SCI-LX.PDI.321	Req	<b>Barrier movement</b> The message byte 44 shall provide the Barrier movement. Permitted values are:  value            meaning -----        -----	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		
Eu.SCI-LX.PDI.326	Req	<b>Road lights status</b> The message byte 45 shall provide the status of the Road lights. Permitted values are:  value            meaning -----        -----	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	<b>Activation irregularity</b> The message byte 46 shall provide the incompleted activation process. Permitted values are:  value            meaning -----        -----	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	<b>Power supply status</b> The message byte 47 shall provide the Power supply status of the External Level Crossing System. Permitted values are:  value            meaning -----        -----	007900 008000 008200		
Eu.SCI-LX.PDI.342	Req	0x01            Power supply is working correctly	008000		

ID	Type	Requirement	Appl.	JIRA	V 2.1 (1.A) > V 2.1 (0.A)																
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	<b>Barrier intact status</b> 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	<b>3.4.15 Message "Track-related Monitoring Status"</b>	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" <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)	007900 008000 008200		
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	<b>Message Type</b> The message bytes 1 - 2 shall be set to 0x0015.	007900 008000 008200																		

ID	Type	Requirement	Appl.	JIRA	V 2.1 (1.A) > V 2.1 (0.A)
Eu.SCI-LX.PDI.350	Req	<b>Sender Identifier</b> 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	<b>Receiver Identifier</b> The message bytes 23 - 42 shall contain the technical identifier of the Subsystem - Electronic Interlocking according to ID Eu.SCI-XX.PDI.59 in ISO IEC 8859-1:1998 format.	007900 008000 008200		
Eu.SCI-LX.PDI.352	Req	<b>Prolongation of Track-related activation</b> The message byte 43 shall provide the status of a delayed track-related activation. Permitted values are:  value            meaning -----        -----	007900 008000 008200		
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	<b>Track-related "deactivation failure"</b> The message byte 44 shall provide the Track-related "deactivation failure". Permitted values are:  value            meaning -----        -----	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	<b>Timer overrun</b> The message byte 45 shall provide the occurred Closure timer overrun. Permitted values are:  value            meaning -----        -----	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		
Eu.SCI-LX.PDI.509	Req	0x03            Closure timer overrun occurred (Approaching train)	008000		

ID	Type	Requirement	Appl.	JIRA	V 2.1 (1.A) > V 2.1 (0.A)														
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																
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:  value            meaning -----        -----	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:  value            meaning -----        -----	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																

ID	Type	Requirement	Appl.	JIRA	V 2.1 (1.A) > V 2.1 (0.A)														
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" <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)	007900 008000 008200		
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																
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																



ID	Type	Requirement	Appl.	JIRA	V 2.1 (1.A) > V 2.1 (0.A)																						
Eu.SCI-LX.PDI.390	Req	0xFF Non critical failure status is not applicable	007900 008000 008200																								
Eu.SCI-LX.PDI.391	Req	<b>Critical failure status</b> 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	<b>3.4.18 Message "Track-related Command Admissibility"</b>	008000 008200																								
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																								

ID	Type	Requirement	Appl.	JIRA	V 2.1 (1.A) > V 2.1 (0.A)
Eu.SCI-LX.PDI.441	Req	Permitted values for message "Track-related Command Admissibility":	008000 008200		
Eu.SCI-LX.PDI.442	Req	<b>Message Type</b> The message bytes 1 - 2 shall be set to 0x0018.	008000 008200		
Eu.SCI-LX.PDI.443	Req	<b>Sender Identifier</b> 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	<b>Receiver Identifier</b> The message bytes 23 - 42 shall contain the technical identifier of the Subsystem - Electronic Interlocking according to ID Eu.SCI-XX.PDI.59 in ISO IEC 8859-1:1998 format.	008000 008200		
Eu.SCI-LX.PDI.445	Req	<b>Command for activation by activation point</b> The message byte 43 shall inform about the admissibility of Command for activation by activation point. Permitted values are:  value            meaning -----        -----	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	<b>Command for track related activation</b> The message byte 44 shall inform about the admissibility of Command for track related activation. Permitted values are:  value            meaning -----        -----	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		
Eu.SCI-LX.PDI.452	Req	0xFF            Command for track related activation Admissibility is not applicable	008000 008200		
Eu.SCI-LX.PDI.453	Req	<b>Command to enable the prolongation</b> The message byte 45 shall inform about the admissibility of Command to enable the prolongation. Permitted values are:  value            meaning -----        -----	008000 008200		
Eu.SCI-LX.PDI.454	Req	0x01            Command to enable the prolongation admissible	008000		

ID	Type	Requirement	Appl.	JIRA	V 2.1 (1.A) > V 2.1 (0.A)
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	<b>Command to disable the prolongation</b> The message byte 46 shall inform about the admissibility of Command to disable the prolongation. Permitted values are:  value          meaning -----      -----	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	<b>Command for track related deactivation</b> The message byte 47 shall inform about the admissibility of Command for track related deactivation. Permitted values are:  value          meaning -----      -----	008000 008200		
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	<b>Command for route related activation</b> The message byte 48 shall inform about the admissibility of Command for route related activation. Permitted values are:  value          meaning -----      -----	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	<b>3.4.19 Message "LX Command Admissibility"</b>	008000 008200		

ID	Type	Requirement	Appl.	JIRA	V 2.1 (1.A) > V 2.1 (0.A)																		
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																				
Eu.SCI-LX.PDI.471	Info	Telegram definition for message "LX 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: 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)	008000 008200		
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	<b>Message Type</b> The message bytes 1 - 2 shall be set to 0x0019.	008000 008200																				
Eu.SCI-LX.PDI.475	Req	<b>Sender Identifier</b> 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	<b>Receiver Identifier</b> The message bytes 23 - 42 shall contain the technical identifier of the Subsystem - Electronic Interlocking according to ID Eu.SCI-XX.PDI.59 in ISO IEC 8859-1:1998 format.	008000 008200																				
Eu.SCI-LX.PDI.477	Req	<b>Command Crossing Clear</b> The message byte 43 shall inform about the admissibility of Command Crossing Clear. Permitted values are:  value            meaning -----        -----	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																				

ID	Type	Requirement	Appl.	JIRA	V 2.1 (1.A) > V 2.1 (0.A)
Eu.SCI-LX.PDI.481	Req	<b>Command to unblock the LX</b> The message byte 44 shall inform about the admissibility of Command to unblock the LX. Permitted values are:  value            meaning -----        -----	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	<b>Command for LX related activation</b> The message byte 45 shall inform about the admissibility of Command for LX related activation. Permitted values are:  value            meaning -----        -----	008000 008200		
Eu.SCI-LX.PDI.486	Req	0x01            Command for LX related activation admissible	008200		
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	<b>Command for LX related deactivation</b> The message byte 46 shall inform about the admissibility of Command for LX related deactivation. Permitted values are:  value            meaning -----        -----	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	<b>3.4.20 Message "Status Of Activation Point"</b>	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.	JIRA	V 2.1 (1.A) > V 2.1 (0.A)
		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	<b>Message Type</b> The message bytes 1 - 2 shall be set to 0x0020.		008000		
Eu.SCI-LX.PDI.498	Req	<b>Sender Identifier</b> 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	<b>Receiver Identifier</b> The message bytes 23 - 42 shall contain the technical identifier of the Subsystem - Electronic Interlocking according to ID Eu.SCI-XX.PDI.59 in ISO IEC 8859-1:1998 format.		008000		
Eu.SCI-LX.PDI.500	Req	<b>Number k of following Activation Points</b> 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		
Eu.SCI-LX.PDI.501	Req	<b>Status of Activation Point n</b> The message byte 44..44+k-1 (1 <= n <= k) shall contain the current status of the particular Activation Point n. Permitted values are:  value            meaning -----        -----		008000		
Eu.SCI-LX.PDI.502	Req	0x01	Activation Point not failed	008000		
Eu.SCI-LX.PDI.503	Req	0x02	Activation Point failed	008000		