



**EULYNX Initiative**

## **Interface specification SCI-ILS**

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ID	Type	Requirement	Appl.
Eu.SCI-ILS.PDI.4	Head	<b>1 Introduction</b>	Default
Eu.SCI-ILS.PDI.5	Head	<b>1.1 Release information</b>	Default
Eu.SCI-ILS.PDI.6	Info	[Eu.Doc.42] Interface specification SCI-ILS CENELEC Phase: 5 Version: 4.3 (0.A) Approval date: 29.05.2024	Default
Eu.SCI-ILS.PDI.1	Info	<b>Version history</b>	Default
Eu.SCI-ILS.PDI.704	Info	version number: 4.0 (0.A) date: 16.05.2022 author: Dennis Kunz review: CCB changes: EUILS-268, EUILS-270, EUILS-271	Default
Eu.SCI-ILS.PDI.711	Info	version number: 4.1 (0.A) date: 05.04.2023 author: Dennis Kunz review: cluster changes: EUILS-278, EUILS-280, EUILS-281, EUILS-282, EUILS-283	Default
Eu.SCI-ILS.PDI.745	Info	version number: 4.2 (0.A) date: 26.06.2023 author: Dennis Kunz review: CCB changes: EUILS-285, EUILS-287, EUILS-288, EUILS-290, EUILS-292	Default
Eu.SCI-ILS.PDI.746	Info	version number: 4.2 (1.B) date: 30.04.2024 author: Dennis Kunz review: cluster changes: EUILS-275, EUILS-276, EUILS-302, EUILS-303, EUILS-305, EUILS-309, EUILS-310, EUILS-311	Default
Eu.SCI-ILS.PDI.748	Info	version number: 4.3 (0.A) date: 18.06.2024 author: Dennis Kunz review: TACS Mirror Group changes: EUILS-312, EUILS-313	Default
Eu.SCI-ILS.PDI.7	Head	<b>1.2 Impressum</b>	Default
Eu.SCI-ILS.PDI.8	Info	Publisher: <b>EULYNX Initiative</b>  A full list of the <b>EULYNX Partners</b> can be found on <a href="https://eulynx.eu/">https://eulynx.eu/</a> .	Default
Eu.SCI-ILS.PDI.9	Info	Responsible for this document: EULYNX Project Management Office <a href="http://www.eulynx.eu">www.eulynx.eu</a>	Default
Eu.SCI-ILS.PDI.158	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-ILS.PDI.10	Head	<b>1.3 Purpose</b>	Default
Eu.SCI-ILS.PDI.11	Info	This document specifies the application layer of the standardised interface for safe communication between the Subsystem - Electronic Interlocking and Adjacent Interlocking System (SCI-ILS).	Default
Eu.SCI-ILS.PDI.12	Info	This application layer is designated as SCI-ILS.PDI.	Default

ID	Type	Requirement	Appl.
Eu.SCI-ILS.PDI.13	Info	This document contains the general requirements for communication and the technical specification (e.g. telegrams) of the SCI-ILS.PDI.	Default
Eu.SCI-ILS.PDI.14	Info	This specification does not define the detailed behaviour of the interfacing partners (Subsystem - Electronic Interlocking and Adjacent Interlocking System), nor the situations in which the defined telegrams are sent. This behaviour is the subject of the individual system specifications.	Default
Eu.SCI-ILS.PDI.15	Info	Some items, referring to "interface-related" functionality of the communication partners, have been added to this specification as information, providing an overview only. In any case these are subject to appropriate systems (national) specification.	Default
Eu.SCI-ILS.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 accessors</li> <li>• signalling system suppliers</li> <li>• validators</li> </ul>	Default
Eu.SCI-ILS.PDI.18	Head	<b>1.4 Applicable standards and regulations</b>	Default
Eu.SCI-ILS.PDI.19	Info	The applicable standards and regulations used in EULYNX are listed in the EULYNX Reference Document List [Eu.Doc.12].	Default
Eu.SCI-ILS.PDI.159	Info	The applicability of each reference of this specification is provided by the column “applicability” in the EULYNX Reference Document [Eu.Doc.12], when the value “SCI-ILS” is stated.	Default
Eu.SCI-ILS.PDI.20	Head	<b>1.5 Applicable documents</b>	Default
Eu.SCI-ILS.PDI.21	Info	The current versions of documents used as input or related to this document are listed in the EULYNX Documentation Plan [Eu.Doc.11]. The relationships between the documents are displayed in the Appendix A1 Documentation plan and structure [Eu.Doc.11_A1].	Default
Eu.SCI-ILS.PDI.24	Head	<b>1.6 Appendices</b>	Default
Eu.SCI-ILS.PDI.25	Info	<i>- intentionally left blank -</i>	Default
Eu.SCI-ILS.PDI.150	Head	<b>1.7 Terms and abbreviations</b>	Default
Eu.SCI-ILS.PDI.151	Info	The terms and abbreviations are listed in the EULYNX Glossary [Eu.Doc.9].	Default
Eu.SCI-ILS.PDI.152	Head	<b>1.8 Variability management</b>	Default
Eu.SCI-ILS.PDI.153	Info	The 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 "abcdyz", where abcd is the UIC numeric code for railway companies and yz is by default "00".	Default
Eu.SCI-ILS.PDI.26	Head	<b>1.9 Definition of object types</b>	Default
Eu.SCI-ILS.PDI.27	Info	The following definition for object types is applied in this document:	Default
Eu.SCI-ILS.PDI.28	Info	<ul style="list-style-type: none"> <li>• "Req" - This denotes a mandatory requirement.</li> </ul>	Default
Eu.SCI-ILS.PDI.31	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-ILS.PDI.32	Info	<ul style="list-style-type: none"> <li>• "Head" - This denotes chapter headings.</li> </ul>	Default
Eu.SCI-ILS.PDI.33	Head	<b>2 General requirements</b>	Default
Eu.SCI-ILS.PDI.705	Req	All references to [Eu.Doc.41] refer to Requirements specification for SCI-ILS version 4.3 (0.A).	Default
Eu.SCI-ILS.PDI.611	Req	All references to [Eu.Doc.93] refer to Interface specification SCI Generic version 3.3 (0.A).	Default
Eu.SCI-ILS.PDI.42	Head	<b>2.1 Version handling</b>	Default
Eu.SCI-ILS.PDI.44	Info	The version handling is described in [Eu.Doc.93].	Default
Eu.SCI-ILS.PDI.610	Req	The PDI-version of the SCI-ILS as described in this document is 0x04.	Default

ID	Type	Requirement	Appl.														
Eu.SCI-ILS.PDI.49	Head	<b>2.2 Communication requirements</b>	Default														
Eu.SCI-ILS.PDI.50	Info	The Communication requirements are described in [Eu.Doc.93].	Default														
Eu.SCI-ILS.PDI.706	Head	<b>2.3 Functional requirements</b>	Default														
Eu.SCI-ILS.PDI.707	Info	The functional requirements for SCI-ILS are described in [Eu.Doc.41].	Default														
Eu.SCI-ILS.PDI.54	Head	<b>3 Telegrams SCI-ILS.PDI</b>	Default														
Eu.SCI-ILS.PDI.55	Info	This chapter defines the SCI-ILS.PDI telegrams.	Default														
Eu.SCI-ILS.PDI.56	Head	<b>3.1 Telegram structure</b>	Default														
Eu.SCI-ILS.PDI.57	Info	The telegram structure is specified in [Eu.Doc.93].	Default														
Eu.SCI-ILS.PDI.64	Head	<b>3.2 Sender and Receiver Identifier</b>	Default														
Eu.SCI-ILS.PDI.65	Info	The identification of communications partners is specified in [Eu.Doc.93].	Default														
Eu.SCI-ILS.PDI.602	Head	<b>3.3 Payload element ID overview</b>	Default														
Eu.SCI-ILS.PDI.603	Info	The “Payload element ID” forms a part of the payload of relevant telegrams and represents the generic term for the identity of the physical or logical element to which the telegram relates. The full list of payload element IDs used by telegrams defined in section 3.5 are listed in the table below.	Default														
Eu.SCI-ILS.PDI.604	Info	Payload element IDs shall be in ISO IEC 8859-1:1998 format and shall be filled in left-adjusted with trailing whitespace covered with the NULL character (0x00).	Default														
Eu.SCI-ILS.PDI.605	Info	<b>Payload element IDs and length used by telegrams</b>  <table><tr><td>Payload element IDs used by telegrams</td><td>Length</td></tr><tr><td>-----</td><td>-----</td></tr><tr><td>Activation Zone ID</td><td>20 Chars</td></tr><tr><td>Approach Zone ID</td><td>20 Chars</td></tr><tr><td>Boundary ID</td><td>20 Chars</td></tr><tr><td>Route ID</td><td>20 Chars</td></tr><tr><td>Overlap ID</td><td>20 Chars</td></tr></table>	Payload element IDs used by telegrams	Length	-----	-----	Activation Zone ID	20 Chars	Approach Zone ID	20 Chars	Boundary ID	20 Chars	Route ID	20 Chars	Overlap ID	20 Chars	Default
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Overlap ID	20 Chars																
Eu.SCI-ILS.PDI.70	Head	<b>3.4 Message and command type overview</b>	Default														
Eu.SCI-ILS.PDI.71	Info	The following table shows permitted message types for the SCI-ILS.PDI. The Subsystem - Electronic Interlocking and Adjacent Interlocking System send and receive all messages. The permitted generic message types are specified in [Eu.Doc.93].	Default														

ID	Type	Requirement			Appl.																																																																					
		<table><thead><tr><th>Message Type</th><th>Value</th><th>Purpose</th></tr></thead><tbody><tr><td><i>message</i> Activation Zone Status</td><td>0x0001</td><td>report the status of an activation zone</td></tr><tr><td><i>message</i> Approach Zone Status</td><td>0x0002</td><td>report the status of an approach zone</td></tr><tr><td><i>command</i> Access Restriction Request</td><td>0x0003</td><td>request the activation or deactivation of an access restriction to the track section</td></tr><tr><td><i>message</i> Access Restriction Status</td><td>0x0012</td><td>report the status of an access restriction of the track section</td></tr><tr><td><i>message</i> Line Status</td><td>0x0004</td><td>report the status of the line</td></tr><tr><td><i>command</i> Flank Protection Request</td><td>0x0005</td><td>request the provision or cancellation of flank protection</td></tr><tr><td><i>message</i> Flank Protection Status</td><td>0x0013</td><td>report the status of flank protection</td></tr><tr><td><i>message</i> Line Direction Control</td><td>0x0006</td><td>report the current line direction request the line direction "exit" or hand over the line direction “exit” enable or disable line block direction and report its status</td></tr><tr><td><i>command</i> Route Request</td><td>0x0007</td><td>request the initialisation of a secondary route</td></tr><tr><td><i>message</i> Route Status</td><td>0x0008</td><td>report the status of a secondary route</td></tr><tr><td><i>message</i> Route Monitoring Status</td><td>0x0009</td><td>report the status of the route monitoring of a secondary route</td></tr><tr><td><i>command</i> Route Cancellation Request</td><td>0x000A</td><td>request the cancellation of a secondary route</td></tr><tr><td><i>command</i> Abort Route Cancellation Request</td><td>0x0016</td><td>request the abortion of the route cancellation</td></tr><tr><td><i>message</i> Train Operated Route Release Status</td><td>0x000B</td><td>report the status of the train operated release of the track section adjacent to the boundary</td></tr><tr><td><i>message</i> Signal Status</td><td>0x000C</td><td>report the status of a signal</td></tr><tr><td><i>message</i> TVPS Status</td><td>0x000D</td><td>report the status of a TVPS adjacent to a boundary</td></tr><tr><td><i>message</i> Opposite Main Signal Status</td><td>0x000E</td><td>report the status of the opposite main signals</td></tr><tr><td><i>command</i> Route Pretest Request</td><td>0x000F</td><td>request the pretest of a secondary route</td></tr><tr><td><i>message</i> Route Pretest Status</td><td>0x0010</td><td>report the status of a secondary route pretest</td></tr><tr><td><i>command</i> Route Release Inhibition Activation Request</td><td>0x0011</td><td>request the activation of the inhibited route release</td></tr><tr><td><i>message</i> Route Release Inhibition Status</td><td>0x0014</td><td>report the status of the inhibited route release</td></tr><tr><td><i>message</i> TDP Status</td><td>0x0015</td><td>report the status of the TDP</td></tr></tbody></table>			Message Type	Value	Purpose	<i>message</i> Activation Zone Status	0x0001	report the status of an activation zone	<i>message</i> Approach Zone Status	0x0002	report the status of an approach zone	<i>command</i> Access Restriction Request	0x0003	request the activation or deactivation of an access restriction to the track section	<i>message</i> Access Restriction Status	0x0012	report the status of an access restriction of the track section	<i>message</i> Line Status	0x0004	report the status of the line	<i>command</i> Flank Protection Request	0x0005	request the provision or cancellation of flank protection	<i>message</i> Flank Protection Status	0x0013	report the status of flank protection	<i>message</i> Line Direction Control	0x0006	report the current line direction request the line direction "exit" or hand over the line direction “exit” enable or disable line block direction and report its 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<i>message</i> TVPS Status	0x000D	report the status of a TVPS adjacent to a boundary																																																																								
<i>message</i> Opposite Main Signal Status	0x000E	report the status of the opposite main signals																																																																								
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Eu.SCI-ILS.PDI.72	Head	3.5 Telegram definitions			Default																																																																					
Eu.SCI-ILS.PDI.73	Info	In this chapter, telegrams for SCI-ILS.PDI are defined. The generic telegrams are defined in [Eu.Doc.93].			Default																																																																					
Eu.SCI-ILS.PDI.458	Info	The sender of a telegram is either the Subsystem - Electronic Interlocking or the Adjacent Interlocking System depending on the specific situation.			Default																																																																					
Eu.SCI-ILS.PDI.459	Info	The receiver of a telegram is either the Subsystem - Electronic Interlocking or the Adjacent Interlocking System depending on the specific situation.			Default																																																																					

ID	Type	Requirement	Appl.																
Eu.SCI-ILS.PDI.111	Head	<b>3.5.1 Message "Activation Zone Status"</b>	Default																
Eu.SCI-ILS.PDI.112	Info	With this telegram the sender reports the status of an activation zone. This telegram refines the InformationFlow "Msg_Activation_Zone_Status" specified in the requirements specification (ID Eu.ILS.3960).	Default																
Eu.SCI-ILS.PDI.113	Info	Telegram definition for message "Activation Zone Status" <table><tr><th>Byte-Nr.</th><th>Content</th></tr><tr><td>00</td><td>Protocol Type: 0x01 (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..62</td><td>Boundary ID (20 Bytes ISO IEC 8859-1:1998)</td></tr><tr><td>63..82</td><td>Activation Zone ID (20 Bytes ISO IEC 8859-1:1998)</td></tr><tr><td>83</td><td>Activation Zone Status (1 Byte binary)</td></tr></table>	Byte-Nr.	Content	00	Protocol Type: 0x01 (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..62	Boundary ID (20 Bytes ISO IEC 8859-1:1998)	63..82	Activation Zone ID (20 Bytes ISO IEC 8859-1:1998)	83	Activation Zone Status (1 Byte binary)	Default
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83	Activation Zone Status (1 Byte binary)																		
Eu.SCI-ILS.PDI.114	Req	Permitted values for message "Activation Zone Status":	Default																
Eu.SCI-ILS.PDI.115	Req	<b>Message Type</b> The message bytes 1-2 shall be set to 0x0001.	Default																
Eu.SCI-ILS.PDI.116	Req	<b>Sender Identifier</b> The message bytes 3-22 shall contain the technical identifier of the sender according to ID SCI-XX.PDI.59 in ISO IEC 8859-1:1998 format.	Default																
Eu.SCI-ILS.PDI.117	Req	<b>Receiver Identifier</b> The message bytes 23-42 shall contain the technical identifier of the receiver according to ID SCI-XX.PDI.59 in ISO IEC 8859-1:1998 format.	Default																
Eu.SCI-ILS.PDI.464	Req	<b>Boundary ID</b> The message bytes 43-62 shall contain the identifier of the boundary in ISO IEC 8859-1:1998 format as defined by national requirements according to section 3.3.	Default																
Eu.SCI-ILS.PDI.195	Req	<b>Activation Zone ID</b> The message bytes 63-82 shall contain the identifier of the activation zone in ISO IEC 8859-1:1998 format as defined by national requirements according to section 3.3.	Default																
Eu.SCI-ILS.PDI.448	Req	<b>Activation Zone Status</b> The message byte 83 shall contain the status of the activation zone. Permitted values:  value            meaning -----    -----	Default																
Eu.SCI-ILS.PDI.449	Req	0x01            active	Default																
Eu.SCI-ILS.PDI.450	Req	0x02            not active	Default																
Eu.SCI-ILS.PDI.202	Head	<b>3.5.2 Message "Approach Zone Status"</b>	007000 007400 007800 007900 008000 008200 008400 008800 310900																
Eu.SCI-ILS.PDI.203	Info	With this telegram the sender reports the status of an approach zone. This telegram refines the InformationFlow "Msg_Approach_Zone_Status" specified in the requirements specification (ID Eu.ILS.3961).	007000 007400 007800																



ID	Type	Requirement	Appl.																
			007900 008000 008200 008400 008800 310900																
Eu.SCI-ILS.PDI.204	Info	<div>Telegram definition for message "Approach Zone Status"</div> <table><tr><th>Byte-Nr.</th><th>Content</th></tr><tr><td>00</td><td>Protocol Type: 0x01 (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..62</td><td>Boundary ID (20 Bytes ISO IEC 8859-1:1998)</td></tr><tr><td>63..82</td><td>Approach Zone ID (20 Bytes ISO IEC 8859-1:1998)</td></tr><tr><td>83</td><td>Approach Zone Status (1 Byte binary)</td></tr></table>	Byte-Nr.	Content	00	Protocol Type: 0x01 (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..62	Boundary ID (20 Bytes ISO IEC 8859-1:1998)	63..82	Approach Zone ID (20 Bytes ISO IEC 8859-1:1998)	83	Approach Zone Status (1 Byte binary)	007000 007400 007800 007900 008000 008200 008400 008800 310900
Byte-Nr.	Content																		
00	Protocol Type: 0x01 (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..62	Boundary ID (20 Bytes ISO IEC 8859-1:1998)																		
63..82	Approach Zone ID (20 Bytes ISO IEC 8859-1:1998)																		
83	Approach Zone Status (1 Byte binary)																		
Eu.SCI-ILS.PDI.205	Req	Permitted values for message "Approach Zone Status":	007000 007400 007800 007900 008000 008200 008400 008800 310900																
Eu.SCI-ILS.PDI.206	Req	<b>Message Type</b> The message bytes 1-2 shall be set to 0x0002.	007000 007400 007800 007900 008000 008200 008400 008800 310900																
Eu.SCI-ILS.PDI.207	Req	<b>Sender Identifier</b> The message bytes 3-22 shall contain the technical identifier of the sender according to ID SCI-XX.PDI.59 in ISO IEC 8859-1:1998 format.	007000 007400 007800 007900 008000 008200 008400 008800 310900																
Eu.SCI-ILS.PDI.208	Req	<b>Receiver Identifier</b> The message bytes 23-42 shall contain the technical identifier of the receiver according to ID SCI-XX.PDI.59 in ISO IEC 8859-1:1998 format.	007000 007400 007800 007900 008000																

ID	Type	Requirement	Appl.
			008200 008400 008800 310900
Eu.SCI-ILS.PDI.465	Req	<b>Boundary ID</b> The message bytes 43-62 shall contain the identifier of the boundary in ISO IEC 8859-1:1998 format as defined by national requirements according to section 3.3.	007000 007400 007800 007900 008000 008200 008400 008800 310900
Eu.SCI-ILS.PDI.209	Req	<b>Approach Zone ID</b> The message bytes 63-82 shall contain the identifier of the approach zone in ISO IEC 8859-1:1998 format as defined by national requirements according to section 3.3.	007000 007400 007800 007900 008000 008200 008400 008800 310900
Eu.SCI-ILS.PDI.210	Req	<b>Approach Zone Status</b> The message byte 83 shall contain the status of the activation zone. Permitted values:  value            meaning -----    -----	007000 007400 007800 007900 008000 008200 008400 008800 310900
Eu.SCI-ILS.PDI.451	Req	0x01            active	007000 007400 007800 007900 008000 008200 008400 008800 310900
Eu.SCI-ILS.PDI.452	Req	0x02            not active	007000 007400 007800 007900 008000 008200 008400 008800 310900

ID	Type	Requirement	Appl.														
Eu.SCI-ILS.PDI.223	Head	<b>3.5.3 Command "Access Restriction Request"</b>	007000 007400 007800 007900 008200 310900														
Eu.SCI-ILS.PDI.224	Info	With this telegram the sender requests the activation or deactivation of an access restriction to the track section. This telegram refines the InformationFlow "Cd_Access_Restriction_Request" specified in the requirements specification (ID Eu.ILS.3953).	007000 007400 007800 007900 008200 310900														
Eu.SCI-ILS.PDI.225	Info	Telegram definition for command "Access Restriction Request" <table><tr><th>Byte-Nr.</th><th>Content</th></tr><tr><td>00</td><td>Protocol Type: 0x01 (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..62</td><td>Boundary ID (20 Bytes ISO IEC 8859-1:1998)</td></tr><tr><td>63</td><td>Access Restriction Type (1 Byte binary)</td></tr></table>	Byte-Nr.	Content	00	Protocol Type: 0x01 (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..62	Boundary ID (20 Bytes ISO IEC 8859-1:1998)	63	Access Restriction Type (1 Byte binary)	007000 007400 007800 007900 008200 310900
Byte-Nr.	Content																
00	Protocol Type: 0x01 (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..62	Boundary ID (20 Bytes ISO IEC 8859-1:1998)																
63	Access Restriction Type (1 Byte binary)																
Eu.SCI-ILS.PDI.226	Req	Permitted values for command "Access Restriction Request":	007000 007400 007800 007900 008200 310900														
Eu.SCI-ILS.PDI.227	Req	<b>Message Type</b> The message bytes 1-2 shall be set to 0x0003.	007000 007400 007800 007900 008200 310900														
Eu.SCI-ILS.PDI.228	Req	<b>Sender Identifier</b> The message bytes 3-22 shall contain the technical identifier of the sender according to ID SCI-XX.PDI.59 in ISO IEC 8859-1:1998 format.	007000 007400 007800 007900 008200 310900														
Eu.SCI-ILS.PDI.229	Req	<b>Receiver Identifier</b> The message bytes 23-42 shall contain the technical identifier of the receiver according to ID SCI-XX.PDI.59 in ISO IEC 8859-1:1998 format.	007000 007400 007800 007900 008200 310900														

ID	Type	Requirement	Appl.
Eu.SCI-ILS.PDI.397	Req	<b>Boundary ID</b> The message bytes 43-62 shall contain the identifier of the boundary in ISO IEC 8859-1:1998 format as defined by national requirements according to section 3.3.	007000 007400 007800 007900 008200 310900
Eu.SCI-ILS.PDI.230	Req	<b>Access Restriction Type</b> The message byte 63 shall contain the type of the access restriction. Permitted values:  <div> <div>value</div> <div>meaning</div> <div>-----</div> <div>-----</div> </div>	007000 007400 007800 007900 008200 310900
Eu.SCI-ILS.PDI.487	Req	0x01          no access	007000 008200
Eu.SCI-ILS.PDI.488	Req	0x02          work track	007000 008200
Eu.SCI-ILS.PDI.646	Req	0x03          track out of service	007000 008200
Eu.SCI-ILS.PDI.647	Req	0x04          emergency train	007000 008200
Eu.SCI-ILS.PDI.648	Req	0x05          secondary vehicle	007000 008200
Eu.SCI-ILS.PDI.649	Req	0x06          work team	007000 008200
Eu.SCI-ILS.PDI.650	Req	0x07          level crossing in degraded operation	007000 008200
Eu.SCI-ILS.PDI.671	Req	0x08          clearance check required	007000 008200
Eu.SCI-ILS.PDI.672	Req	0x09          section check required	007000 008200
Eu.SCI-ILS.PDI.673	Req	0x10          no electric trains	007000 008200
Eu.SCI-ILS.PDI.674	Req	0x11          extraordinary transport	007000 008200

ID	Type	Requirement	Appl.																
Eu.SCI-ILS.PDI.675	Req	0x12            catenary off / pantograph down	007000 008200																
Eu.SCI-ILS.PDI.676	Req	0x13            written order required	007000 008200																
Eu.SCI-ILS.PDI.651	Req	0xFF            Access restriction type not applicable	007000 007400 007800 007900 008200 310900																
Eu.SCI-ILS.PDI.618	Head	<b>3.5.4 Message "Access Restriction Status"</b>	007000 007400 007800 007900 008000 008200 310900																
Eu.SCI-ILS.PDI.619	Info	With this telegram the sender reports the status of an access restriction to the track section. This telegram refines the InformationFlow "Msg_Access_Restriction_Status" specified in the requirements specification (ID Eu.ILS.3959).	007000 007400 007800 007900 008000 008200 310900																
Eu.SCI-ILS.PDI.620	Info	Telegram definition for message "Access Restriction Status" <table><tr><th>Byte-Nr.</th><th>Content</th></tr><tr><td>00</td><td>Protocol Type: 0x01 (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..62</td><td>Boundary ID (20 Bytes ISO IEC 8859-1:1998)</td></tr><tr><td>63</td><td>Access Restriction Activation Status (1 Byte binary)</td></tr><tr><td>64</td><td>Access Restriction Type (1 Byte binary)</td></tr></table>	Byte-Nr.	Content	00	Protocol Type: 0x01 (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..62	Boundary ID (20 Bytes ISO IEC 8859-1:1998)	63	Access Restriction Activation Status (1 Byte binary)	64	Access Restriction Type (1 Byte binary)	007000 007400 007800 007900 008000 008200 310900
Byte-Nr.	Content																		
00	Protocol Type: 0x01 (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..62	Boundary ID (20 Bytes ISO IEC 8859-1:1998)																		
63	Access Restriction Activation Status (1 Byte binary)																		
64	Access Restriction Type (1 Byte binary)																		
Eu.SCI-ILS.PDI.630	Req	Permitted values for message "Access Restriction Status":	007000 007400 007800 007900 008000 008200 310900																
Eu.SCI-ILS.PDI.631	Req	<b>Message Type</b> The message bytes 1-2 shall be set to 0x0012.	007000 007400 007800																

ID	Type	Requirement	Appl.
			007900 008000 008200 310900
Eu.SCI-ILS.PDI.632	Req	<b>Sender Identifier</b> The message bytes 3-22 shall contain the technical identifier of the sender according to ID SCI-XX.PDI.59 in ISO IEC 8859-1:1998 format.	007000 007400 007800 007900 008000 008200 310900
Eu.SCI-ILS.PDI.633	Req	<b>Receiver Identifier</b> The message bytes 23-42 shall contain the technical identifier of the receiver according to ID SCI-XX.PDI.59 in ISO IEC 8859-1:1998 format.	007000 007400 007800 007900 008000 008200 310900
Eu.SCI-ILS.PDI.634	Req	<b>Boundary ID</b> The message bytes 43-62 shall contain the identifier of the boundary in ISO IEC 8859-1:1998 format as defined by national requirements according to section 3.3.	007000 007400 007800 007900 008000 008200 310900
Eu.SCI-ILS.PDI.697	Req	<b>Access Restriction Activation Status</b> The message byte 63 shall contain the activation status of the access restriction. Permitted values:  value            meaning -----    -----	007000 007400 007800 007900 008000 008200 310900
Eu.SCI-ILS.PDI.698	Req	0x01            active	007000 007400 007800 007900 008000 008200 310900
Eu.SCI-ILS.PDI.699	Req	0x02            not active	007000 007400 007800 007900 008000 008200 310900

ID	Type	Requirement	Appl.
Eu.SCI-ILS.PDI.635	Req	<b>Access Restriction Type</b> The message byte 64 shall contain the type of the access restriction. Permitted values:  value            meaning -----    -----	007000 007400 007800 007900 008000 008200 310900
Eu.SCI-ILS.PDI.232	Req	0x01            no access	007000 008000 008200
Eu.SCI-ILS.PDI.233	Req	0x02            work track	007000 008000 008200
Eu.SCI-ILS.PDI.653	Req	0x03            track out of service	007000 008200
Eu.SCI-ILS.PDI.654	Req	0x04            emergency train	007000 008200
Eu.SCI-ILS.PDI.655	Req	0x05            secondary vehicle	007000 008000 008200
Eu.SCI-ILS.PDI.656	Req	0x06            work team	007000 008000 008200
Eu.SCI-ILS.PDI.657	Req	0x07            level crossing in degraded operation	007000 008000 008200
Eu.SCI-ILS.PDI.658	Req	0x08            clearance check required	007000 008000 008200
Eu.SCI-ILS.PDI.659	Req	0x09            section check required	008000 008200
Eu.SCI-ILS.PDI.660	Req	0x10            no electric trains	008200
Eu.SCI-ILS.PDI.661	Req	0x11            extraordinary transport	007000 008000 008200

ID	Type	Requirement	Appl.
Eu.SCI-ILS.PDI.662	Req	0x12          catenary off / pantograph down	007000 008000 008200
Eu.SCI-ILS.PDI.663	Req	0x13          written order required	007000 008000 008200
Eu.SCI-ILS.PDI.664	Req	0x14          manual route condition	007000 008000
Eu.SCI-ILS.PDI.665	Req	0x15          do not use opposite direction	007000 008000
Eu.SCI-ILS.PDI.666	Req	0x16          use opposite direction	007000 008000
Eu.SCI-ILS.PDI.667	Req	0x17          no LX remote supervision	007000 008000
Eu.SCI-ILS.PDI.668	Req	0x18          LX remote supervision timeout	007000 008000
Eu.SCI-ILS.PDI.669	Req	0xFF          access restriction type not applicable	007000 007400 007800 007900 008200 310900
Eu.SCI-ILS.PDI.234	Head	<b>3.5.5 Message "Line Status"</b>	007000 007400 007800 007900 008000 008200 008400 008800 310900
Eu.SCI-ILS.PDI.247	Info	With this telegram the sender reports the status of the line. This telegram refines the InformationFlow "Msg_Line_Status" specified in the requirements specification (ID Eu.ILS.3965).	007000 007400 007800 007900 008000 008200 008400 008800 310900



ID	Type	Requirement	Appl.														
Eu.SCI-ILS.PDI.248	Info	<div>Telegram definition for message "Line Status"</div> <table><tr><th>Byte-Nr.</th><th>Content</th></tr><tr><td>00</td><td>Protocol Type: 0x01 (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..62</td><td>Boundary ID (20 Bytes ISO IEC 8859-1:1998)</td></tr><tr><td>63</td><td>Line Status (1 Byte binary)</td></tr></table>	Byte-Nr.	Content	00	Protocol Type: 0x01 (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..62	Boundary ID (20 Bytes ISO IEC 8859-1:1998)	63	Line Status (1 Byte binary)	007000 007400 007800 007900 008000 008200 008400 008800 310900
Byte-Nr.	Content																
00	Protocol Type: 0x01 (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..62	Boundary ID (20 Bytes ISO IEC 8859-1:1998)																
63	Line Status (1 Byte binary)																
Eu.SCI-ILS.PDI.249	Req	Permitted values for message "Line Status":	007000 007400 007800 007900 008000 008200 008400 008800 310900														
Eu.SCI-ILS.PDI.251	Req	<b>Message Type</b> The message bytes 1-2 shall be set to 0x0004.	007000 007400 007800 007900 008000 008200 008400 008800 310900														
Eu.SCI-ILS.PDI.252	Req	<b>Sender Identifier</b> The message bytes 3-22 shall contain the technical identifier of the sender according to ID SCI-XX.PDI.59 in ISO IEC 8859-1:1998 format.	007000 007400 007800 007900 008000 008200 008400 008800 310900														
Eu.SCI-ILS.PDI.250	Req	<b>Receiver Identifier</b> The message bytes 23-42 shall contain the technical identifier of the receiver according to ID SCI-XX.PDI.59 in ISO IEC 8859-1:1998 format.	007000 007400 007800 007900 008000 008200 008400 008800 310900														
Eu.SCI-ILS.PDI.398	Req	<b>Boundary ID</b> The message bytes 43-62 shall contain the identifier of the boundary in ISO IEC 8859-1:1998 format as defined by national requirements according to section 3.3.	007000 007400 007800														

ID	Type	Requirement	Appl.
			007900 008000 008200 008400 008800 310900
Eu.SCI-ILS.PDI.253	Req	<b>Line Status</b> The message byte 63 shall contain the status of the line. Permitted values:  <div> <div>value</div> <div>meaning</div> <div>-----</div> <div>-----</div> </div>	007000 007400 007800 007900 008000 008200 008400 008800 310900
Eu.SCI-ILS.PDI.255	Req	0x01          vacant	007000 007400 007800 007900 008000 008200 008400 008800 310900
Eu.SCI-ILS.PDI.256	Req	0x02          occupied	007000 007400 007800 007900 008000 008200 008400 008800 310900
Eu.SCI-ILS.PDI.590	Req	0x03          request for line block reset	310900
Eu.SCI-ILS.PDI.237	Head	<b>3.5.6 Command "Flank Protection Request"</b>	007000 007400 007800 007900 008400 008800 310900
Eu.SCI-ILS.PDI.277	Info	With this telegram the sender requests the provision or cancellation of flank protection. This telegram refines the InformationFlow "Cd_Flank_Protection_Request" specified in the requirements specification (ID Eu.ILS.3954).	007000 007400 007800 007900 008400 008800 310900

ID	Type	Requirement	Appl.														
Eu.SCI-ILS.PDI.280	Info	<div>Telegram definition for command "Flank Protection Request"</div> <table><tr><th>Byte-Nr.</th><th>Content</th></tr><tr><td>00</td><td>Protocol Type: 0x01 (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..62</td><td>Boundary ID (20 Bytes ISO IEC 8859-1:1998)</td></tr><tr><td>63</td><td>Flank Protection Request Type (1 Byte binary)</td></tr></table>	Byte-Nr.	Content	00	Protocol Type: 0x01 (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..62	Boundary ID (20 Bytes ISO IEC 8859-1:1998)	63	Flank Protection Request Type (1 Byte binary)	007000 007400 007800 007900 008400 008800 310900
Byte-Nr.	Content																
00	Protocol Type: 0x01 (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..62	Boundary ID (20 Bytes ISO IEC 8859-1:1998)																
63	Flank Protection Request Type (1 Byte binary)																
Eu.SCI-ILS.PDI.281	Req	Permitted values for command "Flank Protection Request":	007000 007400 007800 007900 008400 008800 310900														
Eu.SCI-ILS.PDI.282	Req	<b>Message Type</b> The message bytes 1-2 shall be set to 0x0005.	007000 007400 007800 007900 008400 008800 310900														
Eu.SCI-ILS.PDI.283	Req	<b>Sender Identifier</b> The message bytes 3-22 shall contain the technical identifier of the sender according to ID SCI-XX.PDI.59 in ISO IEC 8859-1:1998 format.	007000 007400 007800 007900 008400 008800 310900														
Eu.SCI-ILS.PDI.446	Req	<b>Receiver Identifier</b> The message bytes 23-42 shall contain the technical identifier of the receiver according to ID SCI-XX.PDI.59 in ISO IEC 8859-1:1998 format.	007000 007400 007800 007900 008400 008800 310900														
Eu.SCI-ILS.PDI.399	Req	<b>Boundary ID</b> The message bytes 43-62 shall contain the identifier of the boundary in ISO IEC 8859-1:1998 format as defined by national requirements according to section 3.3.	007000 007400 007800 007900 008400 008800 310900														

ID	Type	Requirement	Appl.														
Eu.SCI-ILS.PDI.284	Req	<b>Flank Protection Request Type</b> The message byte 63 shall contain the flank protection request type, whether the flank protection has to be activated or deactivated. Permitted values:  value                      meaning -----                      -----	007000 007400 007800 007900 008400 008800 310900														
Eu.SCI-ILS.PDI.485	Req	0x01                      provision	007000 007400 007800 007900 008400 008800 310900														
Eu.SCI-ILS.PDI.486	Req	0x02                      cancellation	007000 007400 007800 007900 008400 008800 310900														
Eu.SCI-ILS.PDI.616	Head	<b>3.5.7 Message "Flank Protection Status"</b>	007000 007400 007800 007900 008400 008800 310900														
Eu.SCI-ILS.PDI.617	Info	With this telegram the sender reports the status of flank protection. This telegram refines the InformationFlow "Msg_Flank_Protection_Status" specified in the requirements specification (ID Eu.ILS.3964).	007000 007400 007800 007900 008400 008800 310900														
Eu.SCI-ILS.PDI.621	Info	Telegram definition for message "Flank Protection Status" <table><tr><th>Byte-Nr.</th><th>Content</th></tr><tr><td>00</td><td>Protocol Type: 0x01 (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..62</td><td>Boundary ID (20 Bytes ISO IEC 8859-1:1998)</td></tr><tr><td>63</td><td>Flank Protection Status (1 Byte binary)</td></tr></table>	Byte-Nr.	Content	00	Protocol Type: 0x01 (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..62	Boundary ID (20 Bytes ISO IEC 8859-1:1998)	63	Flank Protection Status (1 Byte binary)	007000 007400 007800 007900 008400 008800 310900
Byte-Nr.	Content																
00	Protocol Type: 0x01 (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..62	Boundary ID (20 Bytes ISO IEC 8859-1:1998)																
63	Flank Protection Status (1 Byte binary)																

ID	Type	Requirement	Appl.
Eu.SCI-ILS.PDI.638	Req	Permitted values for message "Flank Protection Status":	007000 007400 007800 007900 008400 008800 310900
Eu.SCI-ILS.PDI.639	Req	<b>Message Type</b> The message bytes 1-2 shall be set to 0x0013.	007000 007400 007800 007900 008400 008800 310900
Eu.SCI-ILS.PDI.640	Req	<b>Sender Identifier</b> The message bytes 3-22 shall contain the technical identifier of the sender according to ID SCI-XX.PDI.59 in ISO IEC 8859-1:1998 format.	007000 007400 007800 007900 008400 008800 310900
Eu.SCI-ILS.PDI.641	Req	<b>Receiver Identifier</b> The message bytes 23-42 shall contain the technical identifier of the receiver according to ID SCI-XX.PDI.59 in ISO IEC 8859-1:1998 format.	007000 007400 007800 007900 008400 008800 310900
Eu.SCI-ILS.PDI.642	Req	<b>Boundary ID</b> The message bytes 43-62 shall contain the identifier of the boundary in ISO IEC 8859-1:1998 format as defined by national requirements according to section 3.3.	007000 007400 007800 007900 008400 008800 310900
Eu.SCI-ILS.PDI.643	Req	<b>Flank Protection Status</b> The message byte 63 shall contain the status of the flank protection. Permitted values:  value            meaning -----    -----	007000 007400 007800 007900 008400 008800 310900

ID	Type	Requirement	Appl.																		
Eu.SCI-ILS.PDI.286	Req	0x01 provided	007000 007400 007800 007900 008400 008800 310900																		
Eu.SCI-ILS.PDI.287	Req	0x02 not provided	007000 007400 007800 007900 008400 008800 310900																		
Eu.SCI-ILS.PDI.241	Head	3.5.8 Message "Line Direction Control"	007000 007400 007800 007900 008000 008200 008400 008800 310900																		
Eu.SCI-ILS.PDI.319	Info	With this telegram the sender reports the current line direction, requests the line direction "exit" or hands over the line direction "exit". It is also used to enable or disable line block direction and report its status. This telegram refines the InformationFlow "Msg_Line_Direction_Control" specified in the requirements specification (ID Eu.ILS.3962).	007000 007400 007800 007900 008000 008200 008400 008800 310900																		
Eu.SCI-ILS.PDI.320	Info	Telegram definition for message "Line Direction Control" <table><tr><th>Byte-Nr.</th><th>Content</th></tr><tr><td>00</td><td>Protocol Type: 0x01 (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..62</td><td>Boundary ID (20 Bytes ISO IEC 8859-1:1998)</td></tr><tr><td>63</td><td>Line Direction Control Information (1 Byte binary)</td></tr><tr><td>64</td><td>Line Direction Status (1 Byte binary)</td></tr><tr><td>65..66</td><td>IM Specific Data (2 Bytes binary)</td></tr></table>	Byte-Nr.	Content	00	Protocol Type: 0x01 (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..62	Boundary ID (20 Bytes ISO IEC 8859-1:1998)	63	Line Direction Control Information (1 Byte binary)	64	Line Direction Status (1 Byte binary)	65..66	IM Specific Data (2 Bytes binary)	007000 007400 007800 007900 008000 008200 008400 008800 310900
Byte-Nr.	Content																				
00	Protocol Type: 0x01 (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..62	Boundary ID (20 Bytes ISO IEC 8859-1:1998)																				
63	Line Direction Control Information (1 Byte binary)																				
64	Line Direction Status (1 Byte binary)																				
65..66	IM Specific Data (2 Bytes binary)																				
Eu.SCI-ILS.PDI.321	Req	Permitted values for message "Line Direction Control":	007000 007400 007800 007900																		

ID	Type	Requirement	Appl.
			008000 008200 008400 008800 310900
Eu.SCI-ILS.PDI.322	Req	<b>Message Type</b> The message bytes 1-2 shall be set to 0x0006.	007000 007400 007800 007900 008000 008200 008400 008800 310900
Eu.SCI-ILS.PDI.323	Req	<b>Sender Identifier</b> The message bytes 3-22 shall contain the technical identifier of the sender according to ID SCI-XX.PDI.59 in ISO IEC 8859-1:1998 format.	007000 007400 007800 007900 008000 008200 008400 008800 310900
Eu.SCI-ILS.PDI.324	Req	<b>Receiver Identifier</b> The message bytes 23-42 shall contain the technical identifier of the receiver according to ID SCI-XX.PDI.59 in ISO IEC 8859-1:1998 format.	007000 007400 007800 007900 008000 008200 008400 008800 310900
Eu.SCI-ILS.PDI.403	Req	<b>Boundary ID</b> The message bytes 43-62 shall contain the identifier of the boundary in ISO IEC 8859-1:1998 format as defined by national requirements according to section 3.3.	007000 007400 007800 007900 008000 008200 008400 008800 310900
Eu.SCI-ILS.PDI.325	Req	<b>Line Direction Control Information</b> The message byte 63 shall contain the control information for the line direction. Permitted values:  value            meaning -----    -----	007000 007400 007800 007900 008000 008200 008400 008800 310900

ID	Type	Requirement		Appl.
Eu.SCI-ILS.PDI.327	Req	0x01	no direction	007000 007400 007800 007900 008000 008200 008400 008800 310900
Eu.SCI-ILS.PDI.328	Req	0x02	entry	007000 007400 007800 007900 008000 008200 008400 008800 310900
Eu.SCI-ILS.PDI.402	Req	0x03	exit	007000 007400 007800 007900 008000 008200 008400 008800 310900
Eu.SCI-ILS.PDI.483	Req	0x04	direction request	007000 007400 007800 007900 008000 008400 008800 310900
Eu.SCI-ILS.PDI.484	Req	0x05	direction handover	007000 007400 007800 007900 008000 008200 008400 008800 310900



ID	Type	Requirement	Appl.
Eu.SCI-ILS.PDI.579	Req	0x06 direction handover aborted	007000 007400 007800 007900 008000 008200 008400 008800 310900
Eu.SCI-ILS.PDI.591	Req	0x07 disable line block direction	007000 008400 310900
Eu.SCI-ILS.PDI.592	Req	0x08 enable line block direction	007000 008400 310900
Eu.SCI-ILS.PDI.584	Req	<b>Line Direction Status</b> The message byte 64 shall contain the line direction status. Permitted values:  value meaning ----- -----	007000 007400 007800 007900 008000 008200 008400 008800 310900
Eu.SCI-ILS.PDI.585	Req	0x01 released	007000 008400 310900
Eu.SCI-ILS.PDI.586	Req	0x02 locked	007000 008400 310900
Eu.SCI-ILS.PDI.593	Req	0x03 line block direction disabled	007000 008400 310900
Eu.SCI-ILS.PDI.587	Req	0xFF line direction status not applicable	007000 007400 007800 007900 008000 008200 008400 008800 310900

ID	Type	Requirement	Appl.																
Eu.SCI-ILS.PDI.731	Req	<b>IM Specific Data</b> The message bytes 65-66 shall contain IM specific data. Permitted values:  value            meaning -----    -----	Default																
Eu.SCI-ILS.PDI.732	Req	0x01..0xFE        defined by national specifications	Default																
Eu.SCI-ILS.PDI.733	Req	0xFF                IM specific data not applicable	Default																
Eu.SCI-ILS.PDI.243	Head	<b>3.5.9 Command "Route Request"</b>	Default																
Eu.SCI-ILS.PDI.339	Info	With this telegram the sender requests the initialisation of a secondary route. This telegram refines the InformationFlow "Cd_Route_Request" specified in the requirements specification (ID Eu.ILS.3958).	Default																
Eu.SCI-ILS.PDI.340	Info	Telegram definition for command "Route Request" <table><tr><th>Byte-Nr.</th><th>Content</th></tr><tr><td>00</td><td>Protocol Type: 0x01 (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><tr><td>43..62</td><td>Boundary ID (20 Bytes ISO IEC 8859-1:1998)</td></tr><tr><td>63..82</td><td>Route ID (20 Bytes ISO IEC 8859-1:1998)</td></tr><tr><td>83</td><td>Route Type (1 Byte binary)</td></tr></table>	Byte-Nr.	Content	00	Protocol Type: 0x01 (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)	43..62	Boundary ID (20 Bytes ISO IEC 8859-1:1998)	63..82	Route ID (20 Bytes ISO IEC 8859-1:1998)	83	Route Type (1 Byte binary)	Default
Byte-Nr.	Content																		
00	Protocol Type: 0x01 (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)																		
43..62	Boundary ID (20 Bytes ISO IEC 8859-1:1998)																		
63..82	Route ID (20 Bytes ISO IEC 8859-1:1998)																		
83	Route Type (1 Byte binary)																		
Eu.SCI-ILS.PDI.341	Req	Permitted values for command "Route Request":	Default																
Eu.SCI-ILS.PDI.342	Req	<b>Message Type</b> The message bytes 1-2 shall be set to 0x0007.	Default																
Eu.SCI-ILS.PDI.343	Req	<b>Sender Identifier</b> The message bytes 3-22 shall contain the technical identifier of the sender according to ID SCI-XX.PDI.59 in ISO IEC 8859-1:1998 format.	Default																
Eu.SCI-ILS.PDI.344	Req	<b>Receiver Identifier</b> The message bytes 23-42 shall contain the technical identifier of the receiver according to ID SCI-XX.PDI.59 in ISO IEC 8859-1:1998 format.	Default																
Eu.SCI-ILS.PDI.345	Req	<b>Boundary ID</b> The message bytes 43-62 shall contain the identifier of the boundary in ISO IEC 8859-1:1998 format as defined by national requirements according to section 3.3.	Default																
Eu.SCI-ILS.PDI.409	Req	<b>Route ID</b> The message bytes 63-82 shall contain the route identifier in ISO IEC 8859-1:1998 format as defined by national requirements according to section 3.3.	Default																
Eu.SCI-ILS.PDI.410	Req	<b>Route Type</b> The message byte 83 shall contain the route type. Permitted values:  value            meaning -----    -----	Default																
Eu.SCI-ILS.PDI.412	Req	0x01                main route	Default																
Eu.SCI-ILS.PDI.413	Req	0x02                shunting route	007000 007400 007600 007800 007900 008000																

ID	Type	Requirement	Appl.																		
			008800 310900																		
Eu.SCI-ILS.PDI.460	Req	0x03            on-sight route	007000 007400 007600 007900 008400 008800 310900																		
Eu.SCI-ILS.PDI.540	Req	0x04            SR train route	007400																		
Eu.SCI-ILS.PDI.541	Req	0x05            special train route	007400																		
Eu.SCI-ILS.PDI.542	Req	0x06            temporary shunting area	007400																		
Eu.SCI-ILS.PDI.238	Head	<b>3.5.10 Message "Route Status"</b>	Default																		
Eu.SCI-ILS.PDI.288	Info	With this telegram the sender reports the status of a secondary route. This telegram refines the InformationFlow "Msg_Route_Status" specified in the requirements specification (ID Eu.ILS.3970).	Default																		
Eu.SCI-ILS.PDI.289	Info	Telegram definition for message "Route Status" <div><table><tr><th>Byte-Nr.</th><th>Content</th></tr><tr><td>00</td><td>Protocol Type: 0x01 (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..62</td><td>Boundary ID (20 Bytes ISO IEC 8859-1:1998)</td></tr><tr><td>63..82</td><td>Route ID (20 Bytes ISO IEC 8859-1:1998)</td></tr><tr><td>83</td><td>Route Type (1 Byte binary)</td></tr><tr><td>84</td><td>Route Status (1 Byte binary)</td></tr></table></div>	Byte-Nr.	Content	00	Protocol Type: 0x01 (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..62	Boundary ID (20 Bytes ISO IEC 8859-1:1998)	63..82	Route ID (20 Bytes ISO IEC 8859-1:1998)	83	Route Type (1 Byte binary)	84	Route Status (1 Byte binary)	Default
Byte-Nr.	Content																				
00	Protocol Type: 0x01 (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..62	Boundary ID (20 Bytes ISO IEC 8859-1:1998)																				
63..82	Route ID (20 Bytes ISO IEC 8859-1:1998)																				
83	Route Type (1 Byte binary)																				
84	Route Status (1 Byte binary)																				
Eu.SCI-ILS.PDI.291	Req	Permitted values for message "Route Status":	Default																		
Eu.SCI-ILS.PDI.379	Req	<b>Message Type</b> The message bytes 1-2 shall be set to 0x0008.	Default																		
Eu.SCI-ILS.PDI.293	Req	<b>Sender Identifier</b> The message bytes 3-22 shall contain the technical identifier of the sender according to ID SCI-XX.PDI.59 in ISO IEC 8859-1:1998 format.	Default																		
Eu.SCI-ILS.PDI.292	Req	<b>Receiver Identifier</b> The message bytes 23-42 shall contain the technical identifier of the receiver according to ID SCI-XX.PDI.59 in ISO IEC 8859-1:1998 format.	Default																		
Eu.SCI-ILS.PDI.401	Req	<b>Boundary ID</b> The message bytes 43-62 shall contain the identifier of the boundary in ISO IEC 8859-1:1998 format as defined by national requirements according to section 3.3.	Default																		
Eu.SCI-ILS.PDI.400	Req	<b>Route ID</b> The message bytes 63-82 shall contain the route identifier in ISO IEC 8859-1:1998 format as defined by national requirements according to section 3.3.	Default																		

ID	Type	Requirement	Appl.
Eu.SCI-ILS.PDI.405	Req	<b>Route Type</b> The message byte 83 shall contain the route type. Permitted values:  value            meaning -----    -----	Default
Eu.SCI-ILS.PDI.407	Req	0x01            main route	Default
Eu.SCI-ILS.PDI.408	Req	0x02            shunting route	007000 007400 007600 007800 007900 008000 008800 310900
Eu.SCI-ILS.PDI.453	Req	0x03            on-sight route	007000 007400 007600 007900 008400 008800 310900
Eu.SCI-ILS.PDI.543	Req	0x04            SR train route	007400
Eu.SCI-ILS.PDI.544	Req	0x05            special train route	007400
Eu.SCI-ILS.PDI.545	Req	0x06            temporary shunting area	007400
Eu.SCI-ILS.PDI.294	Req	<b>Route Status</b> The message byte 84 shall contain the information of the route status. Permitted values:  value            meaning -----    -----	Default
Eu.SCI-ILS.PDI.531	Req	0x01            initiated	Default
Eu.SCI-ILS.PDI.296	Req	0x02            locked	Default
Eu.SCI-ILS.PDI.297	Req	0x03            no route	Default
Eu.SCI-ILS.PDI.744	Req	0x04            cancelling	008400
Eu.SCI-ILS.PDI.242	Head	<b>3.5.11 Message "Route Monitoring Status"</b>	007000 007400 007800 007900 008000 008200 008400 008800 310900

ID	Type	Requirement	Appl.																														
Eu.SCI-ILS.PDI.329	Info	With this telegram the sender reports the status of the route monitoring of a secondary route. This telegram refines the InformationFlow "Msg_Route_Monitoring_Status" specified in the requirements specification (ID Eu.ILS.3967).	007000 007400 007800 007900 008000 008200 008400 008800 310900																														
Eu.SCI-ILS.PDI.330	Info	Telegram definition for message "Route Monitoring Status" <table><tr><th>Byte-Nr.</th><th>Content</th></tr><tr><td>00</td><td>Protocol Type: 0x01 (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..62</td><td>Boundary ID (20 Bytes ISO IEC 8859-1:1998)</td></tr><tr><td>63..82</td><td>Route ID (20 Bytes ISO IEC 8859-1:1998)</td></tr><tr><td>83</td><td>Route Type (1 Byte binary)</td></tr><tr><td>84..103</td><td>Overlap ID (20 Bytes ISO IEC 8859-1:1998)</td></tr><tr><td>104</td><td>Route Monitoring (1 Byte binary)</td></tr><tr><td>105</td><td>Occupancy Monitoring (1 Byte binary)</td></tr><tr><td>106</td><td>Level Crossing Monitoring (1 Byte binary)</td></tr><tr><td>107</td><td>Entrance Speed (1 Byte binary)</td></tr><tr><td>108</td><td>Target Speed (1 Byte binary)</td></tr><tr><td>109</td><td>Dynamic or Static Target Speed (1 Byte binary)</td></tr></table>	Byte-Nr.	Content	00	Protocol Type: 0x01 (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..62	Boundary ID (20 Bytes ISO IEC 8859-1:1998)	63..82	Route ID (20 Bytes ISO IEC 8859-1:1998)	83	Route Type (1 Byte binary)	84..103	Overlap ID (20 Bytes ISO IEC 8859-1:1998)	104	Route Monitoring (1 Byte binary)	105	Occupancy Monitoring (1 Byte binary)	106	Level Crossing Monitoring (1 Byte binary)	107	Entrance Speed (1 Byte binary)	108	Target Speed (1 Byte binary)	109	Dynamic or Static Target Speed (1 Byte binary)	007000 007400 007800 007900 008000 008200 008400 008800 310900
Byte-Nr.	Content																																
00	Protocol Type: 0x01 (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)																																
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83	Route Type (1 Byte binary)																																
84..103	Overlap ID (20 Bytes ISO IEC 8859-1:1998)																																
104	Route Monitoring (1 Byte binary)																																
105	Occupancy Monitoring (1 Byte binary)																																
106	Level Crossing Monitoring (1 Byte binary)																																
107	Entrance Speed (1 Byte binary)																																
108	Target Speed (1 Byte binary)																																
109	Dynamic or Static Target Speed (1 Byte binary)																																
Eu.SCI-ILS.PDI.331	Req	Permitted values for message "Route Monitoring Status":	007000 007400 007800 007900 008000 008200 008400 008800 310900																														
Eu.SCI-ILS.PDI.332	Req	<b>Message Type</b> The message bytes 1-2 shall be set to 0x0009.	007000 007400 007800 007900 008000 008200 008400 008800 310900																														

ID	Type	Requirement	Appl.
Eu.SCI-ILS.PDI.333	Req	<b>Sender Identifier</b> The message bytes 3-22 shall contain the technical identifier of the sender according to ID SCI-XX.PDI.59 in ISO IEC 8859-1:1998 format.	007000 007400 007800 007900 008000 008200 008400 008800 310900
Eu.SCI-ILS.PDI.334	Req	<b>Receiver Identifier</b> The message bytes 23-42 shall contain the technical identifier of the receiver according to ID SCI-XX.PDI.59 in ISO IEC 8859-1:1998 format.	007000 007400 007800 007900 008000 008200 008400 008800 310900
Eu.SCI-ILS.PDI.430	Req	<b>Boundary ID</b> The message bytes 43-62 shall contain the identifier of the boundary in ISO IEC 8859-1:1998 format as defined by national requirements according to section 3.3.	007000 007400 007800 007900 008000 008200 008400 008800 310900
Eu.SCI-ILS.PDI.415	Req	<b>Route ID</b> The message bytes 63-82 shall contain the route identifier in ISO IEC 8859-1:1998 format as defined by national requirements according to section 3.3.	007000 007400 007800 007900 008000 008200 008400 008800 310900
Eu.SCI-ILS.PDI.416	Req	<b>Route Type</b> The message byte 83 shall contain the route type. Permitted values:  value            meaning -----        -----	007000 007400 007800 007900 008000 008200 008400 008800 310900
Eu.SCI-ILS.PDI.418	Req	0x01            main route	007000 007400 007800 007900 008000 008200

ID	Type	Requirement	Appl.
			008400 008800 310900
Eu.SCI-ILS.PDI.419	Req	0x02            shunting route	007000 007400 007800 007900 008000 008800 310900
Eu.SCI-ILS.PDI.546	Req	0x03            on-sight route	007000 007400 007900 008400 008800 310900
Eu.SCI-ILS.PDI.532	Req	0x04            SR train route	007400
Eu.SCI-ILS.PDI.533	Req	0x05            special train route	007400
Eu.SCI-ILS.PDI.534	Req	0x06            temporary shunting area	007400
Eu.SCI-ILS.PDI.420	Req	<b>Overlap ID</b> The message bytes 84-103 shall contain the identifier of the overlap in ISO IEC 8859-1:1998 format as defined by national requirements. according to section 3.3.	007000 007400 007800 007900 008000 008400 008800 310900
Eu.SCI-ILS.PDI.431	Req	<b>Route Monitoring</b> The message byte 104 shall contain the route monitoring status. Permitted values:  value            meaning -----        -----	007000 007400 007800 007900 008000 008200 008400 008800 310900
Eu.SCI-ILS.PDI.433	Req	0x01            route monitoring conditions of secondary route present	007000 007400 007800 007900 008000 008200 008400 008800 310900

ID	Type	Requirement	Appl.
Eu.SCI-ILS.PDI.435	Req	0x02 route monitoring conditions of secondary route not present	007000 007400 007800 007900 008000 008200 008400 008800 310900
Eu.SCI-ILS.PDI.437	Req	0x03 route monitoring conditions of secondary route present up to next block indicator	007000 008000
Eu.SCI-ILS.PDI.595	Req	0x04 shunting route monitoring conditions of secondary route present	007000 008000
Eu.SCI-ILS.PDI.566	Req	<b>Occupancy Monitoring</b> The message byte 105 shall contain the occupancy monitoring status. Permitted values:  value meaning ----- 	007000 007400 007900 008000 008200 008400 008800 310900
Eu.SCI-ILS.PDI.567	Req	0x01 occupation	007000 007400 008400
Eu.SCI-ILS.PDI.568	Req	0x02 no occupation	007000 007400 008400
Eu.SCI-ILS.PDI.569	Req	0xFF occupancy monitoring not applicable	007000 007400 007800 007900 008000 008200 008400 008800 310900
Eu.SCI-ILS.PDI.563	Req	<b>Level Crossing Monitoring</b> The message byte 106 shall contain the level crossing monitoring status. Permitted values:  value meaning ----- 	007000 007400 007800 007900 008000 008200 008400 008800 310900



ID	Type	Requirement	Appl.
Eu.SCI-ILS.PDI.564	Req	0x01 level crossing monitoring conditions of secondary route present	007000 007400 007800 007900 008000 008200 008400 008800
Eu.SCI-ILS.PDI.565	Req	0x02 level crossing monitoring conditions of secondary route not present	007000 007400 007800 007900 008000 008200 008400 008800
Eu.SCI-ILS.PDI.594	Req	0x03 level crossing monitoring conditions present up to next block indicator	007000 007800 008000
Eu.SCI-ILS.PDI.570	Req	0xFF level crossing monitoring not applicable	007000 007400 007800 007900 008000 008200 008400 008800 310900
Eu.SCI-ILS.PDI.421	Req	<b>Entrance Speed</b> The message byte 107 shall contain the entrance speed of the secondary route.	007000 007400 007800 007900 008000 008200 008400 008800 310900
Eu.SCI-ILS.PDI.700	Req	0x00..0xFE entrance speed in 5 km/h increments	008400
Eu.SCI-ILS.PDI.701	Req	0xFF entrance speed not applicable	007000 007400 007800 007900 008000 008200 008400 008800 310900

ID	Type	Requirement	Appl.
Eu.SCI-ILS.PDI.454	Req	<b>Target Speed</b> The message byte 108 shall contain the target speed of the secondary route.	007000 007400 007800 007900 008000 008200 008400 008800 310900
Eu.SCI-ILS.PDI.702	Req	0x00..0xFE      target speed in 5 km/h increments	008400
Eu.SCI-ILS.PDI.703	Req	0xFF      target speed not applicable	007000 007400 007800 007900 008000 008200 008400 008800 310900
Eu.SCI-ILS.PDI.455	Req	<b>Dynamic or Static Target Speed</b> The message byte 109 shall contain the information of the dynamic or static target speed. Permitted values:  value              meaning -----      -----	007000 007400 007800 007900 008000 008200 008400 008800 310900
Eu.SCI-ILS.PDI.456	Req	0x01      dynamic	008400
Eu.SCI-ILS.PDI.457	Req	0x02      static	008400
Eu.SCI-ILS.PDI.571	Req	0xFF      dynamic or static target speed not applicable	007000 007400 007800 007900 008000 008200 008400 008800 310900
Eu.SCI-ILS.PDI.239	Head	<b>3.5.12 Command "Route Cancellation Request"</b>	007000 007400 007800 007900 008000 008200 008400 008800

ID	Type	Requirement	Appl.														
			310900														
Eu.SCI-ILS.PDI.301	Info	With this telegram the sender requests the cancellation of a secondary route request. This telegram refines the InformationFlow "Cd_Route_Cancellation_Request" specified in the requirements specification (ID Eu.ILS.3955).	007000 007400 007800 007900 008000 008200 008400 008800 310900														
Eu.SCI-ILS.PDI.300	Info	Telegram definition for command "Route Cancellation Request" <table><tr><th>Byte-Nr.</th><th>Content</th></tr><tr><td>00</td><td>Protocol Type: 0x01 (1 Byte binary)</td></tr><tr><td>01..02</td><td>Message Type: 0x000A (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..62</td><td>Boundary ID (20 Bytes ISO IEC 8859-1:1998)</td></tr><tr><td>63..82</td><td>Route ID (20 Bytes ISO IEC 8859-1:1998)</td></tr></table>	Byte-Nr.	Content	00	Protocol Type: 0x01 (1 Byte binary)	01..02	Message Type: 0x000A (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..62	Boundary ID (20 Bytes ISO IEC 8859-1:1998)	63..82	Route ID (20 Bytes ISO IEC 8859-1:1998)	007000 007400 007800 007900 008000 008200 008400 008800 310900
Byte-Nr.	Content																
00	Protocol Type: 0x01 (1 Byte binary)																
01..02	Message Type: 0x000A (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..62	Boundary ID (20 Bytes ISO IEC 8859-1:1998)																
63..82	Route ID (20 Bytes ISO IEC 8859-1:1998)																
Eu.SCI-ILS.PDI.299	Req	Permitted values for command "Route Cancellation Request":	007000 007400 007800 007900 008000 008200 008400 008800 310900														
Eu.SCI-ILS.PDI.307	Req	<b>Message Type</b> The message bytes 1-2 shall be set to 0x000A.	007000 007400 007800 007900 008000 008200 008400 008800 310900														
Eu.SCI-ILS.PDI.298	Req	<b>Sender Identifier</b> The message bytes 3-22 shall contain the technical identifier of the sender according to ID SCI-XX.PDI.59 in ISO IEC 8859-1:1998 format.	007000 007400 007800 007900 008000 008200 008400 008800 310900														

ID	Type	Requirement	Appl.														
Eu.SCI-ILS.PDI.306	Req	<b>Receiver Identifier</b> The message bytes 23-42 shall contain the technical identifier of the receiver according to ID SCI-XX.PDI.59 in ISO IEC 8859-1:1998 format.	007000 007400 007800 007900 008000 008200 008400 008800 310900														
Eu.SCI-ILS.PDI.303	Req	<b>Boundary ID</b> The message bytes 43-62 shall contain the identifier of the boundary in ISO IEC 8859-1:1998 format as defined by national requirements according to section 3.3.	007000 007400 007800 007900 008000 008200 008400 008800 310900														
Eu.SCI-ILS.PDI.302	Req	<b>Route ID</b> The message bytes 63-82 shall contain the route identifier in ISO IEC 8859-1:1998 format as defined by national requirements according to section 3.3.	007000 007400 007800 007900 008000 008200 008400 008800 310900														
Eu.SCI-ILS.PDI.245	Head	<b>3.5.13 Message "Train Operated Route Release Status"</b>	Default														
Eu.SCI-ILS.PDI.359	Info	With this telegram the sender reports the status of the train operated release of the TVPS section adjacent to the boundary This telegram refines the InformationFlow "Msg_Train_Operated_Route_Release_Status" specified in the requirements specification (ID Eu.ILS.3972).	Default														
Eu.SCI-ILS.PDI.360	Info	Telegram definition for message "Train Operated Route Release Status" <table><tr><th>Byte-Nr.</th><th>Content</th></tr><tr><td>00</td><td>Protocol Type: 0x01 (1 Byte binary)</td></tr><tr><td>01..02</td><td>Message Type: 0x000B (2 Bytes binary)</td></tr><tr><td>03..22</td><td>Sender Identifier (20 Bytes ISO IEC 8859-1:1998)</td></tr><tr><td>23..42</td><td>Receiver Identifier (20 Bytes ISO IEC 8859-1:1998)</td></tr><tr><td>43..62</td><td>Boundary ID (20 Bytes ISO IEC 8859-1:1998)</td></tr><tr><td>63</td><td>Train Operated Route Release Status (1 Byte binary)</td></tr></table>	Byte-Nr.	Content	00	Protocol Type: 0x01 (1 Byte binary)	01..02	Message Type: 0x000B (2 Bytes binary)	03..22	Sender Identifier (20 Bytes ISO IEC 8859-1:1998)	23..42	Receiver Identifier (20 Bytes ISO IEC 8859-1:1998)	43..62	Boundary ID (20 Bytes ISO IEC 8859-1:1998)	63	Train Operated Route Release Status (1 Byte binary)	Default
Byte-Nr.	Content																
00	Protocol Type: 0x01 (1 Byte binary)																
01..02	Message Type: 0x000B (2 Bytes binary)																
03..22	Sender Identifier (20 Bytes ISO IEC 8859-1:1998)																
23..42	Receiver Identifier (20 Bytes ISO IEC 8859-1:1998)																
43..62	Boundary ID (20 Bytes ISO IEC 8859-1:1998)																
63	Train Operated Route Release Status (1 Byte binary)																
Eu.SCI-ILS.PDI.361	Req	Permitted values for message "Train Operated Route Release Status":	Default														
Eu.SCI-ILS.PDI.362	Req	<b>Message Type</b> The message bytes 1-2 shall be set to 0x000B.	Default														
Eu.SCI-ILS.PDI.363	Req	<b>Sender Identifier</b> The message bytes 3-22 shall contain the technical identifier of the sender according to ID SCI-XX.PDI.59 in ISO IEC 8859-1:1998 format.	Default														

ID	Type	Requirement	Appl.
Eu.SCI-ILS.PDI.364	Req	<b>Receiver Identifier</b> The message bytes 23-42 shall contain the technical identifier of the receiver according to ID SCI-XX.PDI.59 in ISO IEC 8859-1:1998 format.	Default
Eu.SCI-ILS.PDI.394	Req	<b>Boundary ID</b> The message bytes 43-62 shall contain the identifier of the boundary in ISO IEC 8859-1:1998 format as defined by national requirements according to section 3.3.	Default
Eu.SCI-ILS.PDI.365	Req	<b>Train Operated Route Release Status</b> The message byte 63 shall contain the information for the status of the train operated release. Permitted values:  value            meaning -----    -----	Default
Eu.SCI-ILS.PDI.367	Req	0x01            TVPS adjacent to the boundary is in a correct occupancy sequence	Default
Eu.SCI-ILS.PDI.391	Req	0x02            TVPS adjacent to the boundary is released by train	Default
Eu.SCI-ILS.PDI.393	Req	0x03            TVPS adjacent to the boundary is not in a correct occupancy sequence and not released by train	Default
Eu.SCI-ILS.PDI.244	Head	<b>3.5.14 Message "Signal Status"</b>	007000 007400 007800 007900 008000 008200 008400 008800 310900
Eu.SCI-ILS.PDI.349	Info	With this telegram the sender reports the status of a signal. This telegram refines the InformationFlow "Msg_Signal_Status" specified in the requirements specification (ID Eu.ILS.3971).	007000 007400 007800 007900 008000 008200 008400 008800 310900

ID	Type	Requirement	Appl.																										
Eu.SCI-ILS.PDI.350	Info	<div>Telegram definition for message "Signal Status"</div> <table><tr><th>Byte-Nr.</th><th>Content</th></tr><tr><td>00</td><td>Protocol Type: 0x01 (1 Byte binary)</td></tr><tr><td>01..02</td><td>Message Type: 0x000C (2 Byte binary)</td></tr><tr><td>03..22</td><td>Sender Identifier (20 Byte ISO IEC 8859-1:1998)</td></tr><tr><td>23..42</td><td>Receiver Identifier (20 Byte ISO IEC 8859-1:1998)</td></tr><tr><td>43..62</td><td>Boundary ID (20 Bytes ISO IEC 8859-1:1998)</td></tr><tr><td>63</td><td>Basic aspect type (1 Byte binary)</td></tr><tr><td>64</td><td>Extension of basic aspect type (1 Byte binary)</td></tr><tr><td>65</td><td>Speed indicator (1 Byte binary)</td></tr><tr><td>66</td><td>Speed announcement (1 Byte binary)</td></tr><tr><td>67</td><td>Direction indicator (1 Byte binary)</td></tr><tr><td>68</td><td>Direction announcement (1 Byte binary)</td></tr><tr><td>69</td><td>Intentionally Dark (1 Byte binary)</td></tr></table>	Byte-Nr.	Content	00	Protocol Type: 0x01 (1 Byte binary)	01..02	Message Type: 0x000C (2 Byte binary)	03..22	Sender Identifier (20 Byte ISO IEC 8859-1:1998)	23..42	Receiver Identifier (20 Byte ISO IEC 8859-1:1998)	43..62	Boundary ID (20 Bytes ISO IEC 8859-1:1998)	63	Basic aspect type (1 Byte binary)	64	Extension of basic aspect type (1 Byte binary)	65	Speed indicator (1 Byte binary)	66	Speed announcement (1 Byte binary)	67	Direction indicator (1 Byte binary)	68	Direction announcement (1 Byte binary)	69	Intentionally Dark (1 Byte binary)	007000 007400 007800 007900 008000 008200 008400 008800 310900
Byte-Nr.	Content																												
00	Protocol Type: 0x01 (1 Byte binary)																												
01..02	Message Type: 0x000C (2 Byte binary)																												
03..22	Sender Identifier (20 Byte ISO IEC 8859-1:1998)																												
23..42	Receiver Identifier (20 Byte ISO IEC 8859-1:1998)																												
43..62	Boundary ID (20 Bytes ISO IEC 8859-1:1998)																												
63	Basic aspect type (1 Byte binary)																												
64	Extension of basic aspect type (1 Byte binary)																												
65	Speed indicator (1 Byte binary)																												
66	Speed announcement (1 Byte binary)																												
67	Direction indicator (1 Byte binary)																												
68	Direction announcement (1 Byte binary)																												
69	Intentionally Dark (1 Byte binary)																												
Eu.SCI-ILS.PDI.351	Req	Permitted values for message "Signal Status":	007000 007400 007800 007900 008000 008200 008400 008800 310900																										
Eu.SCI-ILS.PDI.352	Req	<b>Message Type</b> The message bytes 1-2 shall be set to 0x000C.	007000 007400 007800 007900 008000 008200 008400 008800 310900																										
Eu.SCI-ILS.PDI.353	Req	<b>Sender Identifier</b> The message bytes 3-22 shall contain the technical identifier of the sender according to ID SCI-XX.PDI.59 in ISO IEC 8859-1:1998 format.	007000 007400 007800 007900 008000 008200 008400 008800 310900																										
Eu.SCI-ILS.PDI.354	Req	<b>Receiver Identifier</b> The message bytes 23-42 shall contain the technical identifier of the receiver according to ID SCI-XX.PDI.59 in ISO IEC 8859-1:1998 format.	007000 007400 007800 007900 008000																										

ID	Type	Requirement	Appl.
			008200 008400 008800 310900
Eu.SCI-ILS.PDI.395	Req	<b>Boundary ID</b> The message bytes 43-62 shall contain the identifier of the boundary in ISO IEC 8859-1:1998 format as defined by national requirements according to section 3.3.	007000 007400 007800 007900 008000 008200 008400 008800 310900
Eu.SCI-ILS.PDI.388	Req	<b>Basic aspect type</b> The message byte 63 shall contain the information of the lamp combinations for the basic aspect types, including main, distant and shunting aspects (see [Eu.Doc.37]).	007000 007400 007800 007900 008000 008200 008400 008800 310900
Eu.SCI-ILS.PDI.355	Req	<b>Extension of basic aspect type</b> The message byte 64 shall contain the information of the lamp combinations for the extension of the basic aspects, such as indication of route to opposite track or route without an overlap (see [Eu.Doc.37]).	007000 007400 007800 007900 008000 008400 008800 310900
Eu.SCI-ILS.PDI.356	Req	<b>Speed indicator</b> The message byte 65 shall contain the information of a speed indicator (see [Eu.Doc.37]).	007000 007400 007800 007900 008000 008400 008800 310900
Eu.SCI-ILS.PDI.357	Req	<b>Speed announcement</b> The message byte 66 shall contain the information of a speed indicator announcement (see [Eu.Doc.37]).	007000 007400 007800 007900 008000 008400 008800 310900
Eu.SCI-ILS.PDI.358	Req	<b>Direction indicator</b> The message byte 67 shall contain the information of a direction indicator (see [Eu.Doc.37]).	007000 007400 007800

ID	Type	Requirement	Appl.
			007900 008000 008400 008800 310900
Eu.SCI-ILS.PDI.389	Req	<b>Direction announcement</b> The message byte 68 shall contain the information of a direction indicator announcement (see [Eu.Doc.37]).	007000 007400 007800 007900 008000 008400 008800 310900
Eu.SCI-ILS.PDI.598	Req	<b>Intentionally Dark</b> The message byte 69 shall contain the information of a intentionally dark signal aspect. Permitted values:  value            meaning -----        -----	007000 007400 007800 007900 008000 008200 008400 008800 310900
Eu.SCI-ILS.PDI.599	Req	0x01            the commanded signal aspect is indicated in the set luminosity	007000 008000
Eu.SCI-ILS.PDI.600	Req	0x0F            the commanded signal aspect is indicated dark	007000 008000
Eu.SCI-ILS.PDI.601	Req	0xFF            intentionally dark not applicable	007000 007400 007800 007900 008000 008200 008400 008800 310900
Eu.SCI-ILS.PDI.246	Head	<b>3.5.15 Message "TVPS Status"</b>	Default
Eu.SCI-ILS.PDI.369	Info	With this telegram the sender reports the status of a TVPS adjacent to a boundary. This telegram refines the InformationFlow "Msg_TVPS_Status" specified in the requirements specification (ID Eu.ILS.3973).	Default
Eu.SCI-ILS.PDI.370	Info	Telegram definition for message "TVPS Status"	Default



ID	Type	Requirement		Appl.																
		<table><tr><th>Byte-Nr.</th><th>Content</th></tr><tr><td>00</td><td>Protocol Type: 0x01 (1 Byte binary)</td></tr><tr><td>01..02</td><td>Message Type: 0x000D (2 Bytes binary)</td></tr><tr><td>03..22</td><td>Sender Identifier (20 Bytes ISO IEC 8859-1:1998)</td></tr><tr><td>23..42</td><td>Receiver Identifier (20 Bytes ISO IEC 8859-1:1998)</td></tr><tr><td>43..62</td><td>Boundary ID (20 Bytes ISO IEC 8859-1:1998)</td></tr><tr><td>63</td><td>Occupancy Status (1 Byte binary)</td></tr><tr><td>64</td><td>Fouling Status (1 Byte binary)</td></tr></table>	Byte-Nr.	Content	00	Protocol Type: 0x01 (1 Byte binary)	01..02	Message Type: 0x000D (2 Bytes binary)	03..22	Sender Identifier (20 Bytes ISO IEC 8859-1:1998)	23..42	Receiver Identifier (20 Bytes ISO IEC 8859-1:1998)	43..62	Boundary ID (20 Bytes ISO IEC 8859-1:1998)	63	Occupancy Status (1 Byte binary)	64	Fouling Status (1 Byte binary)		
Byte-Nr.	Content																			
00	Protocol Type: 0x01 (1 Byte binary)																			
01..02	Message Type: 0x000D (2 Bytes binary)																			
03..22	Sender Identifier (20 Bytes ISO IEC 8859-1:1998)																			
23..42	Receiver Identifier (20 Bytes ISO IEC 8859-1:1998)																			
43..62	Boundary ID (20 Bytes ISO IEC 8859-1:1998)																			
63	Occupancy Status (1 Byte binary)																			
64	Fouling Status (1 Byte binary)																			
Eu.SCI-ILS.PDI.371	Req	Permitted values for message "TVPS Status":		Default																
Eu.SCI-ILS.PDI.372	Req	<b>Message Type</b> The message bytes 1-2 shall be set to 0x000D.		Default																
Eu.SCI-ILS.PDI.373	Req	<b>Sender Identifier</b> The message bytes 3-22 shall contain the technical identifier of the sender according to ID SCI-XX.PDI.59 in ISO IEC 8859-1:1998 format.		Default																
Eu.SCI-ILS.PDI.374	Req	<b>Receiver Identifier</b> The message bytes 23-42 shall contain the technical identifier of the receiver according to ID SCI-XX.PDI.59 in ISO IEC 8859-1:1998 format.		Default																
Eu.SCI-ILS.PDI.390	Req	<b>Boundary ID</b> The message bytes 43-62 shall contain the identifier of the boundary in ISO IEC 8859-1:1998 format as defined by national requirements according to section 3.3.		Default																
Eu.SCI-ILS.PDI.375	Req	<b>Occupancy Status</b> The message byte 63 shall contain the occupancy status. Permitted values:  <table><tr><td>value</td><td>meaning</td></tr><tr><td>-----</td><td>-----</td></tr></table>		value	meaning	-----	-----	Default												
value	meaning																			
-----	-----																			
Eu.SCI-ILS.PDI.377	Req	0x01	vacant	Default																
Eu.SCI-ILS.PDI.378	Req	0x02	occupied	Default																
Eu.SCI-ILS.PDI.380	Req	0x03	disturbed	Default																
Eu.SCI-ILS.PDI.708	Req	0x04	waiting for a sweeping train after FC-P-A or FC-P command	008400																
Eu.SCI-ILS.PDI.709	Req	0x05	waiting for an acknowledgment after FC-P-A command	008400																
Eu.SCI-ILS.PDI.710	Req	0x06	sweeping train detected	008400																
Eu.SCI-ILS.PDI.597	Req	<b>Fouling Status</b> The message byte 64 shall contain the fouling status. Permitted values:  <table><tr><td>value</td><td>meaning</td></tr><tr><td>-----</td><td>-----</td></tr></table>		value	meaning	-----	-----	Default												
value	meaning																			
-----	-----																			
Eu.SCI-ILS.PDI.596	Req	0x01	fouling	007000 008400 310900																

ID	Type	Requirement	Appl.												
Eu.SCI-ILS.PDI.608	Req	0x02            not fouling	007000 008400 310900												
Eu.SCI-ILS.PDI.607	Req	0xFF            fouling status not applicable	Default												
Eu.SCI-ILS.PDI.489	Head	<b>3.5.16 Message "Opposite Main Signal Status"</b>	007000 007800 007900 008800 310900												
Eu.SCI-ILS.PDI.490	Info	With this telegram the sender reports that its station main signals which are facing to the line and boundary indicate the stop aspect. This telegram refines the InformationFlow "Msg_Opposite_Main_Signal_Status" specified in the requirements specification (ID Eu.ILS.3966).	007000 007800 007900 008800 310900												
Eu.SCI-ILS.PDI.491	Info	Telegram definition for message "Opposite Main Signal Status" <table><tr><th>Byte-Nr.</th><th>Content</th></tr><tr><td>00</td><td>Protocol Type: 0x01 (1 Byte binary)</td></tr><tr><td>01..02</td><td>Message Type: 0x000E (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..62</td><td>Boundary ID (20 Bytes ISO IEC 8859-1:1998)</td></tr></table>	Byte-Nr.	Content	00	Protocol Type: 0x01 (1 Byte binary)	01..02	Message Type: 0x000E (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..62	Boundary ID (20 Bytes ISO IEC 8859-1:1998)	007000 007800 007900 008800 310900
Byte-Nr.	Content														
00	Protocol Type: 0x01 (1 Byte binary)														
01..02	Message Type: 0x000E (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..62	Boundary ID (20 Bytes ISO IEC 8859-1:1998)														
Eu.SCI-ILS.PDI.492	Req	Permitted values for message "Opposite Main Signal Status":	007000 007800 007900 008800 310900												
Eu.SCI-ILS.PDI.493	Req	<b>Message Type</b> The message bytes 1-2 shall be set to 0x000E.	007000 007800 007900 008800 310900												
Eu.SCI-ILS.PDI.494	Req	<b>Sender Identifier</b> The message bytes 3-22 shall contain the technical identifier of the sender according to ID SCI-XX.PDI.59 in ISO IEC 8859-1:1998 format.	007000 007800 007900 008800 310900												
Eu.SCI-ILS.PDI.495	Req	<b>Receiver Identifier</b> The message bytes 23-42 shall contain the technical identifier of the receiver according to ID SCI-XX.PDI.59 in ISO IEC 8859-1:1998 format.	007000 007800 007900 008800 310900												

ID	Type	Requirement	Appl.																
Eu.SCI-ILS.PDI.496	Req	<b>Boundary ID</b> The message bytes 43-62 shall contain the identifier of the boundary in ISO IEC 8859-1:1998 format as defined by national requirements according to section 3.3.	007000 007800 007900 008800 310900																
Eu.SCI-ILS.PDI.499	Head	<b>3.5.17 Command "Route Pretest Request"</b>	007000 007400																
Eu.SCI-ILS.PDI.500	Info	With this telegram the sender requests a pretest of a secondary route. This telegram refines the InformationFlow "Cd_Route_Pretest_Request" specified in the requirements specification (ID Eu.ILS.3956).	007000 007400																
Eu.SCI-ILS.PDI.501	Info	Telegram definition for command "Route Pretest Request" <table><tr><th>Byte-Nr.</th><th>Content</th></tr><tr><td>00</td><td>Protocol Type: 0x01 (1 Byte binary)</td></tr><tr><td>01..02</td><td>Message Type: 0x000F (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..62</td><td>Boundary ID (20 Bytes ISO IEC 8859-1:1998)</td></tr><tr><td>63..82</td><td>Route ID (20 Bytes ISO IEC 8859-1:1998)</td></tr><tr><td>83</td><td>Route Type (1 Byte binary)</td></tr></table>	Byte-Nr.	Content	00	Protocol Type: 0x01 (1 Byte binary)	01..02	Message Type: 0x000F (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..62	Boundary ID (20 Bytes ISO IEC 8859-1:1998)	63..82	Route ID (20 Bytes ISO IEC 8859-1:1998)	83	Route Type (1 Byte binary)	007000 007400
Byte-Nr.	Content																		
00	Protocol Type: 0x01 (1 Byte binary)																		
01..02	Message Type: 0x000F (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..62	Boundary ID (20 Bytes ISO IEC 8859-1:1998)																		
63..82	Route ID (20 Bytes ISO IEC 8859-1:1998)																		
83	Route Type (1 Byte binary)																		
Eu.SCI-ILS.PDI.502	Req	Permitted values for command "Route Pretest Request":	007000 007400																
Eu.SCI-ILS.PDI.503	Req	<b>Message Type</b> The message bytes 1-2 shall be set to 0x000F.	007000 007400																
Eu.SCI-ILS.PDI.504	Req	<b>Sender Identifier</b> The message bytes 3-22 shall contain the technical identifier of the sender according to ID SCI-XX.PDI.59 in ISO IEC 8859-1:1998 format.	007000 007400																
Eu.SCI-ILS.PDI.505	Req	<b>Receiver Identifier</b> The message bytes 23-42 shall contain the technical identifier of the receiver according to ID SCI-XX.PDI.59 in ISO IEC 8859-1:1998 format.	007000 007400																
Eu.SCI-ILS.PDI.506	Req	<b>Boundary ID</b> The message bytes 43-62 shall contain the identifier of the boundary in ISO IEC 8859-1:1998 format as defined by national requirements according to section 3.3.	007000 007400																
Eu.SCI-ILS.PDI.535	Req	<b>Route ID</b> The message bytes 63-82 shall contain the route identifier in ISO IEC 8859-1:1998 format as defined by national requirements according to section 3.3.	007000 007400																
Eu.SCI-ILS.PDI.536	Req	<b>Route Type</b> The message byte 83 shall contain the route type. Permitted values:  value            meaning -----        -----	007000 007400																

ID	Type	Requirement	Appl.																				
Eu.SCI-ILS.PDI.537	Req	0x01            main route	007000 007400																				
Eu.SCI-ILS.PDI.538	Req	0x02            shunting route	007000 007400																				
Eu.SCI-ILS.PDI.539	Req	0x03            on-sight route	007000 007400																				
Eu.SCI-ILS.PDI.547	Req	0x04            SR train route	007000 007400																				
Eu.SCI-ILS.PDI.548	Req	0x05            special train route	007000 007400																				
Eu.SCI-ILS.PDI.549	Req	0x06            temporary shunting area	007000 007400																				
Eu.SCI-ILS.PDI.507	Head	<b>3.5.18 Message "Route Pretest Status"</b>	007000 007400																				
Eu.SCI-ILS.PDI.508	Info	With this telegram the sender reports the status of a secondary route pretest. This telegram refines the InformationFlow "Msg_Route_Pretest_Status" specified in the requirements specification (ID Eu.ILS.3968).	007000 007400																				
Eu.SCI-ILS.PDI.509	Info	Telegram definition for message "Route Pretest Status" <table><tr><th>Byte-Nr.</th><th>Content</th></tr><tr><td>00</td><td>Protocol Type: 0x01 (1 Byte binary)</td></tr><tr><td>01..02</td><td>Message Type: 0x0010 (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..62</td><td>Boundary ID (20 Bytes ISO IEC 8859-1:1998)</td></tr><tr><td>63..82</td><td>Route ID (20 Bytes ISO IEC 8859-1:1998)</td></tr><tr><td>83</td><td>Route Type (1 Byte binary)</td></tr><tr><td>84</td><td>Route Status (1 Byte binary)</td></tr><tr><td>85</td><td>Pretest Response (1 Byte binary)</td></tr></table>	Byte-Nr.	Content	00	Protocol Type: 0x01 (1 Byte binary)	01..02	Message Type: 0x0010 (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..62	Boundary ID (20 Bytes ISO IEC 8859-1:1998)	63..82	Route ID (20 Bytes ISO IEC 8859-1:1998)	83	Route Type (1 Byte binary)	84	Route Status (1 Byte binary)	85	Pretest Response (1 Byte binary)	007000 007400
Byte-Nr.	Content																						
00	Protocol Type: 0x01 (1 Byte binary)																						
01..02	Message Type: 0x0010 (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..62	Boundary ID (20 Bytes ISO IEC 8859-1:1998)																						
63..82	Route ID (20 Bytes ISO IEC 8859-1:1998)																						
83	Route Type (1 Byte binary)																						
84	Route Status (1 Byte binary)																						
85	Pretest Response (1 Byte binary)																						
Eu.SCI-ILS.PDI.510	Req	Permitted values for message "Route Pretest Status":	007000 007400																				
Eu.SCI-ILS.PDI.511	Req	<b>Message Type</b> The message bytes 1-2 shall be set to 0x0010.	007000 007400																				
Eu.SCI-ILS.PDI.512	Req	<b>Sender Identifier</b> The message bytes 3-22 shall contain the technical identifier of the sender according to ID SCI-XX.PDI.59 in ISO IEC 8859-1:1998 format.	007000 007400																				

ID	Type	Requirement	Appl.
Eu.SCI-ILS.PDI.513	Req	<b>Receiver Identifier</b> The message bytes 23-42 shall contain the technical identifier of the receiver according to ID SCI-XX.PDI.59 in ISO IEC 8859-1:1998 format.	007000 007400
Eu.SCI-ILS.PDI.514	Req	<b>Boundary ID</b> The message bytes 43-62 shall contain the identifier of the boundary in ISO IEC 8859-1:1998 format as defined by national requirements according to section 3.3.	007000 007400
Eu.SCI-ILS.PDI.550	Req	<b>Route ID</b> The message bytes 63-82 shall contain the route identifier in ISO IEC 8859-1:1998 format as defined by national requirements according to section 3.3.	007000 007400
Eu.SCI-ILS.PDI.551	Req	<b>Route Type</b> The message byte 83 shall contain the route type. Permitted values:  value            meaning -----        -----	007000 007400
Eu.SCI-ILS.PDI.552	Req	0x01            main route	007000 007400
Eu.SCI-ILS.PDI.553	Req	0x02            shunting route	007000 007400
Eu.SCI-ILS.PDI.554	Req	0x03            on-sight route	007000 007400
Eu.SCI-ILS.PDI.555	Req	0x04            SR train route	007000 007400
Eu.SCI-ILS.PDI.556	Req	0x05            special train route	007000 007400
Eu.SCI-ILS.PDI.557	Req	0x06            temporary shunting area	007000 007400
Eu.SCI-ILS.PDI.572	Req	<b>Route Status</b> The message byte 84 shall contain the information of the route status. Permitted values:  value            meaning -----        -----	007000 007400
Eu.SCI-ILS.PDI.576	Req	0x01            initiated	007000 007400
Eu.SCI-ILS.PDI.577	Req	0x02            locked	007000 007400
Eu.SCI-ILS.PDI.578	Req	0x03            no route	007000 007400

ID	Type	Requirement	Appl.												
Eu.SCI-ILS.PDI.558	Req	<b>Pretest Response</b> The message byte 85 shall contain the pretest response. Permitted values:  value            meaning -----    -----	007000 007400												
Eu.SCI-ILS.PDI.559	Req	0x01            possible and vacant	007000 007400												
Eu.SCI-ILS.PDI.560	Req	0x02            possible and occupied	007000 007400												
Eu.SCI-ILS.PDI.561	Req	0x03            queue	007000 007400												
Eu.SCI-ILS.PDI.562	Req	0x04            rejected	007000 007400												
Eu.SCI-ILS.PDI.515	Head	<b>3.5.19 Command "Route Release Inhibition Activation Request"</b>	007400												
Eu.SCI-ILS.PDI.516	Info	With this telegram the sender requests the activation of the inhibited route release. This telegram refines the InformationFlow "Cd_Route_Release_Inhibition_Activation_Request" specified in the requirements specification (ID Eu.ILS.3957).	007400												
Eu.SCI-ILS.PDI.517	Info	Telegram definition for command "Route Release Inhibition Activation Request" <table><tr><th>Byte-Nr.</th><th>Content</th></tr><tr><td>00</td><td>Protocol Type: 0x01 (1 Byte binary)</td></tr><tr><td>01..02</td><td>Message Type: 0x0011 (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..62</td><td>Boundary ID (20 Bytes ISO IEC 8859-1:1998)</td></tr></table>	Byte-Nr.	Content	00	Protocol Type: 0x01 (1 Byte binary)	01..02	Message Type: 0x0011 (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..62	Boundary ID (20 Bytes ISO IEC 8859-1:1998)	007400
Byte-Nr.	Content														
00	Protocol Type: 0x01 (1 Byte binary)														
01..02	Message Type: 0x0011 (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..62	Boundary ID (20 Bytes ISO IEC 8859-1:1998)														
Eu.SCI-ILS.PDI.518	Req	Permitted values for command "Route Release Inhibition Activation Request":	007400												
Eu.SCI-ILS.PDI.519	Req	<b>Message Type</b> The message bytes 1-2 shall be set to 0x0011.	007400												
Eu.SCI-ILS.PDI.520	Req	<b>Sender Identifier</b> The message bytes 3-22 shall contain the technical identifier of the sender according to ID SCI-XX.PDI.59 in ISO IEC 8859-1:1998 format.	007400												
Eu.SCI-ILS.PDI.521	Req	<b>Receiver Identifier</b> The message bytes 23-42 shall contain the identifier of the receiver according to ID SCI-ILS.PDI.59 in ISO IEC 8859-1:1998 format.	007400												
Eu.SCI-ILS.PDI.522	Req	<b>Boundary ID</b> The message bytes 43-62 shall contain the identifier of the boundary in ISO IEC 8859-1:1998 format as defined by national requirements according to section 3.3.	007400												
Eu.SCI-ILS.PDI.614	Head	<b>3.5.20 Message "Route Release Inhibition Status"</b>	007400												
Eu.SCI-ILS.PDI.615	Info	With this telegram the sender reports the status of the inhibited route release. This telegram refines the InformationFlow "Msg_Route_Release_Inhibition_Status" specified in the requirements specification (ID Eu.ILS.3969).	007400												

ID	Type	Requirement	Appl.														
Eu.SCI-ILS.PDI.622	Info	Telegram definition for message "Route Release Inhibition Status"	007400														
		<table><tr><th>Byte-Nr.</th><th>Content</th></tr><tr><td>00</td><td>Protocol Type: 0x01 (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..62</td><td>Boundary ID (20 Bytes ISO IEC 8859-1:1998)</td></tr><tr><td>63</td><td>Route Release Inhibition Status (1 Byte binary)</td></tr></table>		Byte-Nr.	Content	00	Protocol Type: 0x01 (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..62	Boundary ID (20 Bytes ISO IEC 8859-1:1998)	63	Route Release Inhibition Status (1 Byte binary)
		Byte-Nr.		Content													
		00		Protocol Type: 0x01 (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..62		Boundary ID (20 Bytes ISO IEC 8859-1:1998)													
63	Route Release Inhibition Status (1 Byte binary)																
Eu.SCI-ILS.PDI.623	Req	Permitted values for message "Route Release Inhibition Status":	007400														
Eu.SCI-ILS.PDI.624	Req	<b>Message Type</b> The message bytes 1-2 shall be set to 0x0014.	007400														
Eu.SCI-ILS.PDI.625	Req	<b>Sender Identifier</b> The message bytes 3-22 shall contain the technical identifier of the sender according to ID SCI-XX.PDI.59 in ISO IEC 8859-1:1998 format.	007400														
Eu.SCI-ILS.PDI.626	Req	<b>Receiver Identifier</b> The message bytes 23-42 shall contain the identifier of the receiver according to ID SCI-ILS.PDI.59 in ISO IEC 8859-1:1998 format.	007400														
Eu.SCI-ILS.PDI.627	Req	<b>Boundary ID</b> The message bytes 43-62 shall contain the identifier of the boundary in ISO IEC 8859-1:1998 format as defined by national requirements according to section 3.3.	007400														
Eu.SCI-ILS.PDI.628	Req	<b>Route Release Inhibition Status</b> The message byte 63 shall contain the status of the inhibited route release. Permitted values:	007400														
		<table><tr><td>value</td><td>meaning</td></tr><tr><td>-----</td><td>-----</td></tr></table>		value	meaning	-----	-----										
value	meaning																
-----	-----																
Eu.SCI-ILS.PDI.575	Req	<table><tr><td>0x01</td><td>activated</td></tr></table>	0x01	activated	007400												
0x01	activated																
Eu.SCI-ILS.PDI.652	Req	<table><tr><td>0x02</td><td>deactivated</td></tr></table>	0x02	deactivated	007400												
0x02	deactivated																
Eu.SCI-ILS.PDI.737	Head	<b>3.5.21 Command "Abort Route Cancellation Request"</b>	008400														
Eu.SCI-ILS.PDI.735	Info	With this telegram the sender requests the abortion of a route cancellation. This telegram refines the InformationFlow "Cd_Abort_Route_Cancellation_Request" specified in the requirements specification (ID Eu.ILS.4914).	008400														

ID	Type	Requirement	Appl.																
Eu.SCI-ILS.PDI.736	Info	<div>Telegram definition for command "Abort Route Cancellation Request"</div> <table><tr><th>Byte-Nr.</th><th>Content</th></tr><tr><td>00</td><td>Protocol Type: 0x01 (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..62</td><td>Boundary ID (20 Bytes ISO IEC 8859-1:1998)</td></tr><tr><td>63..82</td><td>Route ID (20 Bytes ISO IEC 8859-1:1998)</td></tr></table>	Byte-Nr.	Content	00	Protocol Type: 0x01 (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..62	Boundary ID (20 Bytes ISO IEC 8859-1:1998)	63..82	Route ID (20 Bytes ISO IEC 8859-1:1998)	008400		
Byte-Nr.	Content																		
00	Protocol Type: 0x01 (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..62	Boundary ID (20 Bytes ISO IEC 8859-1:1998)																		
63..82	Route ID (20 Bytes ISO IEC 8859-1:1998)																		
Eu.SCI-ILS.PDI.738	Req	Permitted values for message "Abort Route Cancellation Request":	008400																
Eu.SCI-ILS.PDI.739	Req	<b>Message Type</b> The message bytes 1-2 shall be set to 0x0016.	008400																
Eu.SCI-ILS.PDI.740	Req	<b>Sender Identifier</b> The message bytes 3-22 shall contain the technical identifier of the sender according to ID SCI-XX.PDI.59 in ISO IEC 8859-1:1998 format.	008400																
Eu.SCI-ILS.PDI.741	Req	<b>Receiver Identifier</b> The message bytes 23-42 shall contain the technical identifier of the receiver according to ID SCI-XX.PDI.59 in ISO IEC 8859-1:1998 format.	008400																
Eu.SCI-ILS.PDI.742	Req	<b>Boundary ID</b> The message bytes 43-62 shall contain the identifier of the boundary in ISO IEC 8859-1:1998 format as defined by national requirements according to section 3.3.	008400																
Eu.SCI-ILS.PDI.743	Req	<b>Route ID</b> The message bytes 63-82 shall contain the route identifier in ISO IEC 8859-1:1998 format as defined by national requirements according to section 3.3.	008400																
Eu.SCI-ILS.PDI.712	Head	<b>3.5.22 Message "TDP Status"</b>	008400																
Eu.SCI-ILS.PDI.713	Info	With this telegram the sender reports the status of a TDP related to the boundary. This telegram refines the InformationFlow "Msg_TDP_Status" specified in the requirements specification (ID Eu.ILS.4252).	008400																
Eu.SCI-ILS.PDI.714	Info	<div>Telegram definition for message "TDP Status"</div> <table><tr><th>Byte-Nr.</th><th>Content</th></tr><tr><td>00</td><td>Protocol Type: 0x01 (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..62</td><td>Boundary ID (20 Bytes ISO IEC 8859-1:1998)</td></tr><tr><td>63</td><td>State of passing (1 Byte binary)</td></tr><tr><td>64</td><td>Direction of passing (1 Byte binary)</td></tr></table>	Byte-Nr.	Content	00	Protocol Type: 0x01 (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..62	Boundary ID (20 Bytes ISO IEC 8859-1:1998)	63	State of passing (1 Byte binary)	64	Direction of passing (1 Byte binary)	008400
Byte-Nr.	Content																		
00	Protocol Type: 0x01 (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..62	Boundary ID (20 Bytes ISO IEC 8859-1:1998)																		
63	State of passing (1 Byte binary)																		
64	Direction of passing (1 Byte binary)																		
Eu.SCI-ILS.PDI.715	Req	Permitted values for message "TDP Status":	008400																



ID	Type	Requirement	Appl.
Eu.SCI-ILS.PDI.716	Req	<b>Message Type</b> The message bytes 1-2 shall be set to 0x0015.	008400
Eu.SCI-ILS.PDI.717	Req	<b>Sender Identifier</b> The message bytes 3-22 shall contain the technical identifier of the sender according to ID SCI-XX.PDI.59 in ISO IEC 8859-1:1998 format.	008400
Eu.SCI-ILS.PDI.718	Req	<b>Receiver Identifier</b> The message bytes 23-42 shall contain the technical identifier of the receiver according to ID SCI-XX.PDI.59 in ISO IEC 8859-1:1998 format.	008400
Eu.SCI-ILS.PDI.719	Req	<b>Boundary ID</b> The message bytes 43-62 shall contain the identifier of the boundary in ISO IEC 8859-1:1998 format as defined by national requirements according to section 3.3.	008400
Eu.SCI-ILS.PDI.720	Req	<b>State of passing</b> The message byte 63 shall contain the state of passing. The following values are permitted:  value            meaning -----    -----	008400
Eu.SCI-ILS.PDI.721	Req	0x01            not passed	008400
Eu.SCI-ILS.PDI.722	Req	0x02            passed	008400
Eu.SCI-ILS.PDI.723	Req	0x03            disturbed	008400
Eu.SCI-ILS.PDI.727	Req	<b>Direction of passing</b> The message byte 64 shall contain the direction of passing status. The following values are permitted:  value            meaning -----    -----	008400
Eu.SCI-ILS.PDI.728	Req	0x01            reference direction	008400
Eu.SCI-ILS.PDI.729	Req	0x02            against reference direction	008400
Eu.SCI-ILS.PDI.730	Req	0x03            without indicated direction	008400