



**EULYNX Initiative**

## **Interface specification SCI-CC**

Document number: Eu.Doc.50  
Version: 4.3 (2.A)

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ID	Type	Requirement	Appl.
Eu.SCI-CC.PDI.2	Head	<b>1 Introduction</b>	Default
Eu.SCI-CC.PDI.3	Head	<b>1.1 Release Information</b>	Default
Eu.SCI-CC.PDI.4	Info	[Eu.Doc.50] Interface specification for SCI-CC CENELEC Phase: 5 Version: 4.3 (2.A) Approval date: 02.06.2025	Default
Eu.SCI-CC.PDI.5	Info	<b>Version history</b>	Default
Eu.SCI-CC.PDI.3667	Info	version number: 4.0 (0.A) date: 16.05.2022 author: Dominik Smajgl, Filip Giering review: CCB changes: EUCC-225, EUCC-226, EUCC-227, EUCC-228, EUCC-231, EUCC-235, EUCC-236, EUCC-237, EUCC-238, EUCC-239	Default
Eu.SCI-CC.PDI.4043	Info	version number: 4.1 (0.A) date: 16.03.2023 author: Dominik Smajgl, Filip Giering, Philipp Wolber review: - changes: EUCC-240, EUCC-241, EUCC-242, EUCC-244, EUCC-245, EUCC-246, EUCC-247, EUCC-248, EUCC-249, EUCC-250, EUCC-252, EUCC-253, EUCC-254, EUCC-255	Default
Eu.SCI-CC.PDI.4103	Info	version number: 4.2 (0.A) date: 26.06.2023 author: Dominik Smajgl review: CCB changes: EUCC-261, EUCC-263, EUCC-265, EUC-266, EUCC-267, EUCC-269	Default
Eu.SCI-CC.PDI.4108	Info	version number: 4.2 (1.B) date: 25.03.2024 author: Dominik Smajgl review: Cluster changes: EUCC-256, EUCC-278, EUCC-279, EUCC-280	Default
Eu.SCI-CC.PDI.4111	Info	version number: 4.3 (0.A) date: 18.06.2024 author: Dominik Smajgl, Philipp Wolber review: CCB changes: EUCC-281, EUCC-283, EUCC-284, EUCC-285	Default
Eu.SCI-CC.PDI.4112	Info	version number: 4.3 (1.A) date: 06.05.2025 author: Ricky Holz review: - changes: EUCC-288, EUCC-289, EUCC-290, EUCC-291, EUCC-292, EUCC-293, EUCC-294	Default
Eu.SCI-CC.PDI.4116	Info	version number: 4.3 (2.A) date: 19.06.2025 author: Ricky Holz review: CCB changes: EUCC-295, EUCC-296, EUCC-297	Default
Eu.SCI-CC.PDI.7	Head	<b>1.2 Impressum</b>	Default
Eu.SCI-CC.PDI.8	Info	<b>Publisher:</b> EULYNX Initiative  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-CC.PDI.9	Info	Responsible for this document: EULYNX Project Management Office <a href="http://www.eulynx.eu">www.eulynx.eu</a>	Default
Eu.SCI-CC.PDI.4105	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-CC.PDI.10	Head	<b>1.3 Purpose</b>	Default
Eu.SCI-CC.PDI.11	Info	This document specifies the application layer of the standardised interface for safe communication between the Adjacent System – Traffic Control System (TCS) and the Subsystem - Electronic Interlocking (ILS).	Default
Eu.SCI-CC.PDI.12	Info	This application layer is designated as SCI-CC.PDI.	Default
Eu.SCI-CC.PDI.13	Info	This document contains the general requirements for communication and the technical specification (e.g. telegrams) of the SCI-CC.PDI.	Default
Eu.SCI-CC.PDI.3435	Info	SCI-CC is applied to connect the Traffic Control System or the Trackworker Safety System to the Subsystem - Electronic interlocking. The functional scope of SCI-CC depends on the type of adjacent system (Traffic Control System or the Trackworker Safety System) connected to the EULYNX System via SCI-CC. The functional scope and related use cases and information flows are defined by national specifications and are reflected in the marking of IM applicability.  Note: Wherever this specification mentions the actor 'Traffic Control System', this may be interpreted as referring to the actor 'Trackworker Safety System'.	Default
Eu.SCI-CC.PDI.14	Info	This specification does not define the detailed behaviour of the interfacing partners, nor the situations in which the defined telegrams are sent. This behaviour is the subject of the individual system specifications.	Default
Eu.SCI-CC.PDI.15	Info	<ul style="list-style-type: none"><li>• This document is intended for the following users:</li><li>• safety authorities</li><li>• infrastructure managers</li><li>• safety assessors</li><li>• signalling system suppliers</li><li>• validators</li></ul>	Default

ID	Type	Requirement	Appl.
Eu.SCI-CC.PDI.16	Info	This document is the basis for the implementation by the supplier and for approval by the infrastructure manager.	Default
Eu.SCI-CC.PDI.2679	Info	SCI-CC can also be applied for connecting the Traffic Control System directly to the following adjacent systems: <ul style="list-style-type: none"><li>the Radio Block Centre</li><li>the Centralised ETCS L1 Controller</li></ul> SCI-CC can also be applied for connecting the Trackworker Safety System directly to the following adjacent systems: <ul style="list-style-type: none"><li>the Radio Block Centre</li></ul> In such case the functional apportionment must be completed from the perspective of the adjacent system, similar to the functional apportionment between the EULYNX System and the Traffic Control System.	Default
Eu.SCI-CC.PDI.18	Head	<b>1.4 Applicable standards and regulations</b>	Default
Eu.SCI-CC.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-CC.PDI.20	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-CC” is stated.	Default
Eu.SCI-CC.PDI.21	Head	<b>1.5 Applicable documents</b>	Default
Eu.SCI-CC.PDI.22	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-CC.PDI.28	Head	<b>1.6 Appendices</b>	Default
Eu.SCI-CC.PDI.29	Info	Intentionally left blank	Default
Eu.SCI-CC.PDI.30	Head	<b>1.7 Terms and abbreviations</b>	Default
Eu.SCI-CC.PDI.31	Info	The terms and abbreviations are listed in the EULYNX Glossary [Eu.Doc.9].	Default
Eu.SCI-CC.PDI.32	Head	<b>1.8 Variability Management</b>	Default
Eu.SCI-CC.PDI.33	Info	Applicability column indicates the applicability of the requirement or information object per EULYNX partner. Value "Default" means the object applies to all EULYNX partners. Value "IM code" means the object applies specifically to the stated EULYNX partner. IM codes follow the pattern "IM abcdyz", where abcd is the UIC numeric code for railway companies and yz is by default "00".	Default
Eu.SCI-CC.PDI.34	Head	<b>1.9 Definition of object types</b>	Default
Eu.SCI-CC.PDI.35	Info	The following definition for object types is applied in this document:	Default
Eu.SCI-CC.PDI.36	Info	"Req" - This denotes a mandatory requirement.	Default
Eu.SCI-CC.PDI.37	Info	"Info" - This denotes additional information to help understand the specification. These objects do not specify any additional requirements.	Default
Eu.SCI-CC.PDI.38	Info	"Head" - This denotes chapter headings.	Default
Eu.SCI-CC.PDI.39	Head	<b>2 General Requirements</b>	Default
Eu.SCI-CC.PDI.3724	Req	All references to [Eu.Doc.49] refer to Requirements specification for SCI-CC version 4.2.	Default
Eu.SCI-CC.PDI.3412	Req	All references to [Eu.Doc.93] refer to Interface specification SCI Generic version 3.3.	Default
Eu.SCI-CC.PDI.40	Head	<b>2.1 Version handling</b>	Default
Eu.SCI-CC.PDI.2591	Info	The version handling is described in [Eu.Doc.93].	Default
Eu.SCI-CC.PDI.3411	Req	The PDI-version of the SCI-CC as described in this document is 0x04.	Default
Eu.SCI-CC.PDI.45	Head	<b>2.2 Communications Requirements</b>	Default
Eu.SCI-CC.PDI.2595	Info	The Communication requirements are described in [Eu.Doc.93].	Default
Eu.SCI-CC.PDI.3725	Head	<b>2.3 Functional Requirements</b>	Default
Eu.SCI-CC.PDI.3726	Info	The functional requirements are described in [Eu.Doc.49].	Default
Eu.SCI-CC.PDI.1779	Head	<b>2.4 Text</b>	Default
Eu.SCI-CC.PDI.1780	Req	All references to "text" fields within the telegrams shall be taken to mean compliant with the "latin 1" character set, ISO IEC 8859-1:1998.	Default
Eu.SCI-CC.PDI.2150	Req	Text fields within the telegrams shall be filled in left-adjusted with trailing whitespace covered with the NULL character (0x00).	Default
Eu.SCI-CC.PDI.50	Head	<b>3 Telegrams SCI-CC.PDI</b>	Default
Eu.SCI-CC.PDI.51	Info	This chapter defines the SCI-CC.PDI telegrams.	Default
Eu.SCI-CC.PDI.52	Head	<b>3.1 Telegram structure</b>	Default
Eu.SCI-CC.PDI.2596	Info	The telegram structure is specified in [Eu.Doc.93].	Default
Eu.SCI-CC.PDI.60	Head	<b>3.2 Sender and Receiver Identifier</b>	Default
Eu.SCI-CC.PDI.2592	Info	The identification of communications partners is specified in [Eu.Doc.93].	Default
Eu.SCI-CC.PDI.64	Head	<b>3.3 Payload element ID overview</b>	Default
Eu.SCI-CC.PDI.65	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-CC.PDI.66	Req	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

ID	Type	Requirement	Appl.																																																																	
Eu.SCI-CC.PDI.67	Info	<div><div>Payload element IDs and length used by telegrams</div><div><table><tr><th>Payload element IDs used by telegrams</th><th>Length</th></tr><tr><td>Element ID (as used generically by telegrams that apply to more than one type of element)</td><td>20 chars</td></tr><tr><td>Signal / Signalling Point ID</td><td>20 chars</td></tr><tr><td>Route ID</td><td>20 chars</td></tr><tr><td>Local Shunting Area ID</td><td>20 chars</td></tr><tr><td>Powered Moveable Element ID</td><td>20 chars</td></tr><tr><td>TVP Section ID</td><td>20 chars</td></tr><tr><td>Moveable Lockable Device ID</td><td>20 chars</td></tr><tr><td>Auxiliary Object ID</td><td>20 chars</td></tr><tr><td>ARS Area ID</td><td>20 chars</td></tr><tr><td>Point Heater ID</td><td>20 chars</td></tr><tr><td>Overlap ID</td><td>20 chars</td></tr><tr><td>Signal Area ID</td><td>20 chars</td></tr><tr><td>Operational Train ID</td><td>20 chars</td></tr><tr><td>Emergency Stop Message ID</td><td>20 chars</td></tr><tr><td></td><td></td></tr></table><table><tr><th>Payload element IDs used by telegrams</th><th>Length</th></tr><tr><td>By-pass Area ID</td><td>20 chars</td></tr><tr><td>Emergency Stop Area ID</td><td>20 chars</td></tr><tr><td>TSR ID</td><td>20 chars</td></tr><tr><td>TSR Area ID</td><td>20 chars</td></tr><tr><td>Working Area ID</td><td>20 chars</td></tr><tr><td>Line Block ID</td><td>20 chars</td></tr><tr><td>OHL Groupset ID</td><td>20 chars</td></tr><tr><td>Level Crossing ID</td><td>20 chars</td></tr><tr><td>Indicator ID</td><td>20 chars</td></tr><tr><td>Diamond Crossing ID</td><td>20 chars</td></tr><tr><td>Track ID</td><td>20 chars</td></tr><tr><td>Latch ID</td><td>20 chars</td></tr><tr><td>Sub-route ID</td><td>20 chars</td></tr><tr><td>Signal Luminosity Group ID</td><td>20 chars</td></tr><tr><td>Obstruction ID</td><td>20 chars</td></tr></table></div></div>	Payload element IDs used by telegrams	Length	Element ID (as used generically by telegrams that apply to more than one type of element)	20 chars	Signal / Signalling Point ID	20 chars	Route ID	20 chars	Local Shunting Area ID	20 chars	Powered Moveable Element ID	20 chars	TVP Section ID	20 chars	Moveable Lockable Device ID	20 chars	Auxiliary Object ID	20 chars	ARS Area ID	20 chars	Point Heater ID	20 chars	Overlap ID	20 chars	Signal Area ID	20 chars	Operational Train ID	20 chars	Emergency Stop Message ID	20 chars			Payload element IDs used by telegrams	Length	By-pass Area ID	20 chars	Emergency Stop Area ID	20 chars	TSR ID	20 chars	TSR Area ID	20 chars	Working Area ID	20 chars	Line Block ID	20 chars	OHL Groupset ID	20 chars	Level Crossing ID	20 chars	Indicator ID	20 chars	Diamond Crossing ID	20 chars	Track ID	20 chars	Latch ID	20 chars	Sub-route ID	20 chars	Signal Luminosity Group ID	20 chars	Obstruction ID	20 chars	Default	
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Eu.SCI-CC.PDI.68	Head	3.4 Message and command type overview	Default																																																																	
Eu.SCI-CC.PDI.2593	Info	The permitted generic message types are specified in [Eu.Doc.93].	Default																																																																	
Eu.SCI-CC.PDI.69	Info	<table><tr><th>Message Type</th><th>Value</th><th>Sender</th><th>Receiver</th><th>Purpose</th></tr><tr><td>command [the specific command is defined by information within the Payload]</td><td>0x0050</td><td>TCS</td><td>ILS</td><td>Purpose defined in the relevant telegram definition</td></tr><tr><td>command command sent as confirmation</td><td>0x0055</td><td>TCS</td><td>ILS</td><td>Used to resend a command, previously sent with 0x0050, normally when ILS/RBC asks for confirmation with 0x0030 (generally safety-related commands) (see section 3.4.1)</td></tr><tr><td>command Confirmation of a Command with Safety Codes</td><td>0x0060</td><td>TCS</td><td>ILS</td><td>Confirm a command with safety codes</td></tr><tr><td>command Abort Command</td><td>0x0065</td><td>TCS</td><td>ILS</td><td>Abort a command</td></tr><tr><td>command Set a Signal / Signalling point / Area to stop aspect</td><td>0x0070</td><td>TCS</td><td>ILS</td><td>Set a Signal / Signalling point / Area to stop aspect (see section 3.4.2)</td></tr><tr><td>command Unconditional Emergency Stop</td><td>0x0075</td><td>TCS</td><td>ILS</td><td>Send an Unconditional Emergency Stop command to a train (see section 3.4.2)</td></tr><tr><td>command Barrier Stop</td><td>0x0080</td><td>TCS</td><td>ILS</td><td>Stop the movement of level a crossing barrier (see section 3.4.2)</td></tr><tr><td>message request a command to be confirmed</td><td>0x0030</td><td>ILS</td><td>TCS</td><td>Request a previously received command of Message Type value 0x0050 to be confirmed by resending with Message Type value 0x0055 (see section 3.4.1)</td></tr><tr><td>message Command Rejected</td><td>0x0035</td><td>ILS</td><td>TCS</td><td>Informing that a previously received command has been rejected</td></tr><tr><td>message [the specific message is defined by information within the Payload]</td><td>0x0040</td><td>ILS</td><td>TCS</td><td>Purpose defined in the relevant telegram definition</td></tr><tr><td>message Command Accepted</td><td>0x0044</td><td>ILS</td><td>TCS</td><td>Confirm the acceptance of a 'safe' command</td></tr><tr><td>message Request Confirmation of Command With Safety</td><td>0x0045</td><td>ILS</td><td>TCS</td><td>Request that the full content of a previously received command is confirmed</td></tr></table>	Message Type	Value	Sender	Receiver	Purpose	command [the specific command is defined by information within the Payload]	0x0050	TCS	ILS	Purpose defined in the relevant telegram definition	command command sent as confirmation	0x0055	TCS	ILS	Used to resend a command, previously sent with 0x0050, normally when ILS/RBC asks for confirmation with 0x0030 (generally safety-related commands) (see section 3.4.1)	command Confirmation of a Command with Safety Codes	0x0060	TCS	ILS	Confirm a command with safety codes	command Abort Command	0x0065	TCS	ILS	Abort a command	command Set a Signal / Signalling point / Area to stop aspect	0x0070	TCS	ILS	Set a Signal / Signalling point / Area to stop aspect (see section 3.4.2)	command Unconditional Emergency Stop	0x0075	TCS	ILS	Send an Unconditional Emergency Stop command to a train (see section 3.4.2)	command Barrier Stop	0x0080	TCS	ILS	Stop the movement of level a crossing barrier (see section 3.4.2)	message request a command to be confirmed	0x0030	ILS	TCS	Request a previously received command of Message Type value 0x0050 to be confirmed by resending with Message Type value 0x0055 (see section 3.4.1)	message Command Rejected	0x0035	ILS	TCS	Informing that a previously received command has been rejected	message [the specific message is defined by information within the Payload]	0x0040	ILS	TCS	Purpose defined in the relevant telegram definition	message Command Accepted	0x0044	ILS	TCS	Confirm the acceptance of a 'safe' command	message Request Confirmation of Command With Safety	0x0045	ILS	TCS	Request that the full content of a previously received command is confirmed	Default
Message Type	Value	Sender	Receiver	Purpose																																																																
command [the specific command is defined by information within the Payload]	0x0050	TCS	ILS	Purpose defined in the relevant telegram definition																																																																
command command sent as confirmation	0x0055	TCS	ILS	Used to resend a command, previously sent with 0x0050, normally when ILS/RBC asks for confirmation with 0x0030 (generally safety-related commands) (see section 3.4.1)																																																																
command Confirmation of a Command with Safety Codes	0x0060	TCS	ILS	Confirm a command with safety codes																																																																
command Abort Command	0x0065	TCS	ILS	Abort a command																																																																
command Set a Signal / Signalling point / Area to stop aspect	0x0070	TCS	ILS	Set a Signal / Signalling point / Area to stop aspect (see section 3.4.2)																																																																
command Unconditional Emergency Stop	0x0075	TCS	ILS	Send an Unconditional Emergency Stop command to a train (see section 3.4.2)																																																																
command Barrier Stop	0x0080	TCS	ILS	Stop the movement of level a crossing barrier (see section 3.4.2)																																																																
message request a command to be confirmed	0x0030	ILS	TCS	Request a previously received command of Message Type value 0x0050 to be confirmed by resending with Message Type value 0x0055 (see section 3.4.1)																																																																
message Command Rejected	0x0035	ILS	TCS	Informing that a previously received command has been rejected																																																																
message [the specific message is defined by information within the Payload]	0x0040	ILS	TCS	Purpose defined in the relevant telegram definition																																																																
message Command Accepted	0x0044	ILS	TCS	Confirm the acceptance of a 'safe' command																																																																
message Request Confirmation of Command With Safety	0x0045	ILS	TCS	Request that the full content of a previously received command is confirmed																																																																
Eu.SCI-CC.PDI.70	Head	3.4.1 Commands requiring confirmation	Default																																																																	
Eu.SCI-CC.PDI.71	Info	Some commands are related to functions of a higher safety-integrity. One of the means of facilitating this within the defined telegrams is for a command to be followed by confirmation before the receiver actions it.	Default																																																																	
Eu.SCI-CC.PDI.72	Info	Where a command has been sent with a Message Type value of 0x0050, the same command telegram can be resent with a message type value of 0x0055, either in response to a request for confirmation (Message Type 0x0030) from the receiver, or other scenarios covered by national requirements.	Default																																																																	
Eu.SCI-CC.PDI.73	Req	The Message Type at bytes 01 and 02 of a command telegram shall be set to 0x0050, unless the command has already been sent with Message Type 0x0050, has not been actioned by the receiver and is being sent as confirmation, in which case the Message Type shall be set to 0x0055.	Default																																																																	

ID	Type	Requirement	Appl.														
Eu.SCI-CC.PDI.74	Head	<b>3.4.2 Priority commands</b>	Default														
Eu.SCI-CC.PDI.75	Info	For certain commands it will never be necessary for the receiver to ask for confirmation and the quickest possible reaction time from the receiver is required. To help facilitate this, such commands have been allocated their own Message Type value with no further information in the Payload to process.	Default														
Eu.SCI-CC.PDI.76	Info	The following Commands fall into this category:	Default														
Eu.SCI-CC.PDI.77	Info	• Set A Signal / Signalling Point / Area To Stop Aspect	Default														
Eu.SCI-CC.PDI.78	Info	• Unconditional Emergency Stop	Default														
Eu.SCI-CC.PDI.79	Info	• Barrier Stop	Default														
Eu.SCI-CC.PDI.80	Head	<b>3.5 Telegram definitions</b>	Default														
Eu.SCI-CC.PDI.81	Info	In this chapter, specific telegrams for SCI-CC.PDI are defined. The generic telegrams are defined in [Eu.Doc.93].	Default														
Eu.SCI-CC.PDI.3727	Head	<b>3.5.1 General parameter definitions</b>	Default														
Eu.SCI-CC.PDI.3728	Req	<b>Onboard ID</b> The first 16 bytes shall contain the NULL character (0x00). The 17th byte shall contain the value 0x80. The last 3 bytes shall contain the 24 bits value of NID_ENGINE.	Default														
Eu.SCI-CC.PDI.3144	Head	<b>3.5.2 Priority commands</b>	Default														
Eu.SCI-CC.PDI.128	Head	<b>3.5.2.1 Command “Set A Signal / Signalling Point / Area To Stop Aspect”</b>	Default														
Eu.SCI-CC.PDI.2203	Info	This telegram refines the InformationFlow "Cd_Set_A_Signal/_Signalling_Point/_Area_To_Stop_Aspect" specified in the requirements specification (ID Eu.CC.2027).	Default														
Eu.SCI-CC.PDI.129	Info	Telegram definition for command “Set A Signal / Signalling Point / Area To Stop Aspect” <table><tr><th>Byte / Bit</th><th>Content</th></tr><tr><td>00</td><td>Protocol Type: 0x70 (1 Byte binary)</td></tr><tr><td>01..02</td><td>Message Type: 0x0070 (2 Bytes binary)</td></tr><tr><td>03..22</td><td>Sender: TCS Identifier (20 Bytes text)</td></tr><tr><td>23..42</td><td>Receiver: ILS Identifier (20 Bytes text)</td></tr><tr><td>43..44</td><td>TAN (2 Bytes binary)</td></tr><tr><td>45..64</td><td>Signal / Signalling Point ID or Signal Area ID or Level Crossing ID (20 Bytes text)</td></tr></table>	Byte / Bit	Content	00	Protocol Type: 0x70 (1 Byte binary)	01..02	Message Type: 0x0070 (2 Bytes binary)	03..22	Sender: TCS Identifier (20 Bytes text)	23..42	Receiver: ILS Identifier (20 Bytes text)	43..44	TAN (2 Bytes binary)	45..64	Signal / Signalling Point ID or Signal Area ID or Level Crossing ID (20 Bytes text)	Default
Byte / Bit	Content																
00	Protocol Type: 0x70 (1 Byte binary)																
01..02	Message Type: 0x0070 (2 Bytes binary)																
03..22	Sender: TCS Identifier (20 Bytes text)																
23..42	Receiver: ILS Identifier (20 Bytes text)																
43..44	TAN (2 Bytes binary)																
45..64	Signal / Signalling Point ID or Signal Area ID or Level Crossing ID (20 Bytes text)																
Eu.SCI-CC.PDI.130	Req	<b>Message Type</b> Bytes 01 and 02 shall be set to 0x0070.	Default														
Eu.SCI-CC.PDI.131	Req	<b>Sender Identifier</b> The message bytes 03..22 shall contain the technical identifier of the TCS according to section 3.2.	Default														
Eu.SCI-CC.PDI.132	Req	<b>Receiver Identifier</b> The message bytes 23..42 shall contain the technical identifier of the Subsystem - Electronic Interlocking according to section 3.2.	Default														
Eu.SCI-CC.PDI.3335	Req	<b>TAN</b> Bytes 43 and 44 shall contain a unique transaction number of the command.	Default														
Eu.SCI-CC.PDI.133	Req	<b>Signal / Signalling Point ID or Signal Area ID or Level Crossing ID</b> Bytes 45 to 64 shall contain a unique Signal / Signalling Point ID or Signal Area ID or Level Crossing identity according to section 3.3.	Default														
Eu.SCI-CC.PDI.134	Head	<b>3.5.2.2 Command “Unconditional Emergency Stop For A Train”</b>	007000 007600														
Eu.SCI-CC.PDI.2204	Info	This telegram refines the InformationFlow "Cd_Unconditional_Emergency_Stop_For_A_Train" specified in the requirements specification (ID Eu.CC.2028).	007000 007600														
Eu.SCI-CC.PDI.135	Info	Telegram definition for command “Unconditional Emergency Stop For A Train” <table><tr><th>Byte / Bit</th><th>Content</th></tr><tr><td>00</td><td>Protocol Type: 0x70 (1 Byte binary)</td></tr><tr><td>01..02</td><td>Message Type: 0x0075 (2 Bytes binary)</td></tr><tr><td>03..22</td><td>Sender: TCS Identifier (20 Bytes text)</td></tr><tr><td>23..42</td><td>Receiver: ILS Identifier (20 Bytes text)</td></tr><tr><td>43..44</td><td>TAN (2 Bytes binary)</td></tr><tr><td>45..64</td><td>Onboard ID (20 Bytes text)</td></tr></table>	Byte / Bit	Content	00	Protocol Type: 0x70 (1 Byte binary)	01..02	Message Type: 0x0075 (2 Bytes binary)	03..22	Sender: TCS Identifier (20 Bytes text)	23..42	Receiver: ILS Identifier (20 Bytes text)	43..44	TAN (2 Bytes binary)	45..64	Onboard ID (20 Bytes text)	007000 007600
Byte / Bit	Content																
00	Protocol Type: 0x70 (1 Byte binary)																
01..02	Message Type: 0x0075 (2 Bytes binary)																
03..22	Sender: TCS Identifier (20 Bytes text)																
23..42	Receiver: ILS Identifier (20 Bytes text)																
43..44	TAN (2 Bytes binary)																
45..64	Onboard ID (20 Bytes text)																
Eu.SCI-CC.PDI.136	Req	<b>Message Type</b> Bytes 01 and 02 shall be set to 0x0075.	007000 007600														
Eu.SCI-CC.PDI.137	Req	<b>Sender Identifier</b> The message bytes 03..22 shall contain the technical identifier of the TCS according to section 3.2.	007000 007600														
Eu.SCI-CC.PDI.138	Req	<b>Receiver Identifier</b> The message bytes 23..42 shall contain the technical identifier of the Subsystem - Electronic Interlocking according to section 3.2.	007000 007600														



ID	Type	Requirement	Appl.																
Eu.SCI-CC.PDI.3336	Req	<b>TAN</b> Bytes 43 and 44 shall contain a unique transaction number of the command.	007000 007600																
Eu.SCI-CC.PDI.139	Req	<b>Onboard ID</b> Bytes 45 to 64 shall contain a unique onboard identity according to Eu.SCI-CC.PDI.3728.	007000 007600																
Eu.SCI-CC.PDI.2309	Head	<b>3.5.2.3 Command “Barrier Stop”</b>	007000																
Eu.SCI-CC.PDI.2310	Info	This telegram refines the InformationFlow "Cd_Barrier_Stop” specified in the requirements specification (ID Eu.CC.2026).	007000																
Eu.SCI-CC.PDI.2311	Info	Telegram definition for command “Barrier Stop” <table><tr><th>Byte / Bit</th><th>Content</th></tr><tr><td>00</td><td>Protocol Type: 0x70 (1 Byte binary)</td></tr><tr><td>01..02</td><td>Message Type: 0x0080 (2 Bytes binary)</td></tr><tr><td>03..22</td><td>Sender: TCS Identifier (20 Bytes text)</td></tr><tr><td>23..42</td><td>Receiver: ILS Identifier (20 Bytes text)</td></tr><tr><td>43..44</td><td>TAN (2 Bytes binary)</td></tr><tr><td>45..64</td><td>Level Crossing ID (20 Bytes text)</td></tr><tr><td>65</td><td>Stop barrier movement (1 Byte binary)</td></tr></table>	Byte / Bit	Content	00	Protocol Type: 0x70 (1 Byte binary)	01..02	Message Type: 0x0080 (2 Bytes binary)	03..22	Sender: TCS Identifier (20 Bytes text)	23..42	Receiver: ILS Identifier (20 Bytes text)	43..44	TAN (2 Bytes binary)	45..64	Level Crossing ID (20 Bytes text)	65	Stop barrier movement (1 Byte binary)	007000
Byte / Bit	Content																		
00	Protocol Type: 0x70 (1 Byte binary)																		
01..02	Message Type: 0x0080 (2 Bytes binary)																		
03..22	Sender: TCS Identifier (20 Bytes text)																		
23..42	Receiver: ILS Identifier (20 Bytes text)																		
43..44	TAN (2 Bytes binary)																		
45..64	Level Crossing ID (20 Bytes text)																		
65	Stop barrier movement (1 Byte binary)																		
Eu.SCI-CC.PDI.2312	Req	<b>Message Type</b> Bytes 01 and 02 shall be set to 0x0080.	007000																
Eu.SCI-CC.PDI.2313	Req	<b>Sender Identifier</b> The message bytes 03..22 shall contain the technical identifier of the TCS according to section 3.2.	007000																
Eu.SCI-CC.PDI.2314	Req	<b>Receiver Identifier</b> The message bytes 23..42 shall contain the technical identifier of the Subsystem - Electronic Interlocking according to section 3.2.	007000																
Eu.SCI-CC.PDI.3337	Req	<b>TAN</b> Bytes 43 and 44 shall contain a unique transaction number of the command.	007000																
Eu.SCI-CC.PDI.2316	Req	<b>Level Crossing ID</b> Bytes 45 to 64 shall contain a unique Level Crossing identity according to section 3.3.	007000																
Eu.SCI-CC.PDI.4075	Req	<b>Stop barrier movement</b> Byte 65 shall be set to one of the following values:  value                    meaning -----                -----	007000																
Eu.SCI-CC.PDI.4076	Req	0x01                    Stop operated	007000																
Eu.SCI-CC.PDI.4077	Req	0x02                    Lower released	007000																
Eu.SCI-CC.PDI.3145	Head	<b>3.5.3 Route functions</b>	Default																
Eu.SCI-CC.PDI.140	Head	<b>3.5.3.1 Command “Set A Route”</b>	007000 007600 007900 310900																
Eu.SCI-CC.PDI.2205	Info	This telegram refines the InformationFlow "Cd_Set_A_Route" specified in the requirements specification (ID Eu.CC.2040).	007000 007600 007900 310900																

ID	Type	Requirement		Appl.																												
Eu.SCI-CC.PDI.141	Info	Telegram definition for command “Set A Route” <table><tr><th>Byte / Bit</th><th>Content</th></tr><tr><td>00</td><td>Protocol Type: 0x70 (1 Byte binary)</td></tr><tr><td>01..02</td><td>Message Type: 0x0050 or 0X0055 (2 Bytes binary)</td></tr><tr><td>03..22</td><td>Sender: TCS Identifier (20 Bytes text)</td></tr><tr><td>23..42</td><td>Receiver: ILS Identifier (20 Bytes text)</td></tr><tr><td>43..44</td><td>TAN (2 Bytes binary)</td></tr><tr><td>45</td><td>Information Type: 0x05 (1 Byte binary)</td></tr><tr><td>46..65</td><td>Route ID (20 Bytes text)</td></tr><tr><td>66</td><td>Route Type (1 Byte binary)</td></tr><tr><td>67</td><td>Commanded State (1 Byte binary)</td></tr><tr><td>68</td><td>Overlap (1 Byte binary)</td></tr><tr><td>69</td><td>Flank Protection (1 Byte binary)</td></tr><tr><td>70</td><td>Electrified Destination (1 Byte binary)</td></tr><tr><td>71</td><td>Command User (1 Byte binary)</td></tr></table>		Byte / Bit	Content	00	Protocol Type: 0x70 (1 Byte binary)	01..02	Message Type: 0x0050 or 0X0055 (2 Bytes binary)	03..22	Sender: TCS Identifier (20 Bytes text)	23..42	Receiver: ILS Identifier (20 Bytes text)	43..44	TAN (2 Bytes binary)	45	Information Type: 0x05 (1 Byte binary)	46..65	Route ID (20 Bytes text)	66	Route Type (1 Byte binary)	67	Commanded State (1 Byte binary)	68	Overlap (1 Byte binary)	69	Flank Protection (1 Byte binary)	70	Electrified Destination (1 Byte binary)	71	Command User (1 Byte binary)	007000 007600 007900 310900
Byte / Bit	Content																															
00	Protocol Type: 0x70 (1 Byte binary)																															
01..02	Message Type: 0x0050 or 0X0055 (2 Bytes binary)																															
03..22	Sender: TCS Identifier (20 Bytes text)																															
23..42	Receiver: ILS Identifier (20 Bytes text)																															
43..44	TAN (2 Bytes binary)																															
45	Information Type: 0x05 (1 Byte binary)																															
46..65	Route ID (20 Bytes text)																															
66	Route Type (1 Byte binary)																															
67	Commanded State (1 Byte binary)																															
68	Overlap (1 Byte binary)																															
69	Flank Protection (1 Byte binary)																															
70	Electrified Destination (1 Byte binary)																															
71	Command User (1 Byte binary)																															
Eu.SCI-CC.PDI.142	Req	<b>Message Type</b> Bytes 01 and 02 shall be set to 0x0050 or 0x0055 as defined in section 3.4.1.		007000 007600 007900 310900																												
Eu.SCI-CC.PDI.143	Req	<b>Sender Identifier</b> The message bytes 03..22 shall contain the technical identifier of the TCS according to section 3.2.		007000 007600 007900 310900																												
Eu.SCI-CC.PDI.144	Req	<b>Receiver Identifier</b> The message bytes 23..42 shall contain the technical identifier of the Subsystem - Electronic Interlocking according to section 3.2.		007000 007600 007900 310900																												
Eu.SCI-CC.PDI.3338	Req	<b>TAN</b> Bytes 43 and 44 shall contain a unique transaction number of the command. If the Message Type is set to 0x0055, the transaction number shall be equal to the transaction number used in the command that is being confirmed (see section 3.4.1).		007000 007600 007900 310900																												
Eu.SCI-CC.PDI.145	Req	<b>Information Type</b> Byte 45 shall be set to 0x05		007000 007600 007900 310900																												
Eu.SCI-CC.PDI.146	Req	<b>Route ID</b> Bytes 46 to 65 shall contain a unique route identity according to section 3.3.		007000 007600 007900 310900																												
Eu.SCI-CC.PDI.147	Info	Alternative routes (i.e. different paths between the same route entrance and exit) are facilitated by using different Route IDs (e.g. R123M-1 / R123M-2 or Entrance Signal/via points/Exit Signal).		007000 007600 007900 310900																												
Eu.SCI-CC.PDI.148	Req	<b>Route Type</b> Byte 66 shall be set to one of the following values:  <table><tr><td>value</td><td>meaning</td></tr><tr><td>-----</td><td>-----</td></tr></table>		value	meaning	-----	-----	007000 007600 007900 310900																								
value	meaning																															
-----	-----																															
Eu.SCI-CC.PDI.149	Req	<table><tr><td>0x01</td><td>Main route</td></tr></table>	0x01	Main route	007000 007600 007900 310900																											
0x01	Main route																															
Eu.SCI-CC.PDI.150	Req	<table><tr><td>0x02</td><td>Shunting route</td></tr></table>	0x02	Shunting route	007000 007600 007900 310900																											
0x02	Shunting route																															
Eu.SCI-CC.PDI.151	Req	<table><tr><td>0x03</td><td>Warning route</td></tr></table>	0x03	Warning route	007000																											
0x03	Warning route																															

ID	Type	Requirement	Appl.
Eu.SCI-CC.PDI.152	Req	0x04            On-Sight / Call-on route	007000 007600 007900 310900
Eu.SCI-CC.PDI.153	Req	0x05            Staff-Responsible route	007000 007600
Eu.SCI-CC.PDI.154	Req	<b>Commanded State</b> The message byte 67 shall be set to one of the following values:  value            meaning -----        -----	007000 007600 007900 310900
Eu.SCI-CC.PDI.156	Req	0x02            command is for route setting	007000 007600 007900 310900
Eu.SCI-CC.PDI.157	Req	0x03            command is for route setting overriding restrictions	007000 310900
Eu.SCI-CC.PDI.158	Req	<b>Overlap</b> The message byte 68 shall be set to one of the following values:  value            meaning -----        -----	007000 007600 007900 310900
Eu.SCI-CC.PDI.159	Req	0x01            no overlap	007900 310900
Eu.SCI-CC.PDI.160	Req	0x02..0xFD     nationally defined overlap selection	007900 310900
Eu.SCI-CC.PDI.161	Req	0xFE            not specified	007900 310900
Eu.SCI-CC.PDI.2327	Req	0xFF            Overlap not applicable	007000 007600
Eu.SCI-CC.PDI.162	Req	<b>Flank Protection</b> The message byte 69 shall be set to one of the following values:  value            meaning -----        -----	007000 007600 007900 310900
Eu.SCI-CC.PDI.163	Req	0x01            set shunting route with flank protection	310900
Eu.SCI-CC.PDI.164	Req	0x02            set shunting route without flank protection	310900
Eu.SCI-CC.PDI.165	Req	0xFE            not specified	310900
Eu.SCI-CC.PDI.2328	Req	0xFF            Flank Protection not applicable	007000 007600 007900
Eu.SCI-CC.PDI.166	Req	<b>Electrified Destination</b> The message byte 70 shall be set to one of the following values:  value            meaning -----        -----	007000 007600 007900 310900
Eu.SCI-CC.PDI.167	Req	0x01            route is to an electrified destination	310900
Eu.SCI-CC.PDI.168	Req	0x02            route is to a non-electrified destination	310900
Eu.SCI-CC.PDI.2151	Req	0x03            route is for an electric train	999900
Eu.SCI-CC.PDI.169	Req	0xFE            not specified	310900
Eu.SCI-CC.PDI.2329	Req	0xFF            Electrified Destination not applicable	007000 007600 007900

ID	Type	Requirement		Appl.																		
Eu.SCI-CC.PDI.170	Req	<b>Command User</b> The message byte 71 shall be set to one of the following values: <table><tr><td>value</td><td>meaning</td></tr><tr><td>-----</td><td>-----</td></tr></table>		value	meaning	-----	-----	007000 007600 007900 310900														
value	meaning																					
-----	-----																					
Eu.SCI-CC.PDI.171	Req	0x01	Automatic Route Setting (ARS) System	007000 007900																		
Eu.SCI-CC.PDI.172	Req	0x02	other (e.g. Signaller)	007000 007900																		
Eu.SCI-CC.PDI.173	Req	0xFE	not specified	007000 007900																		
Eu.SCI-CC.PDI.2330	Req	0xFF	Command User not applicable	007600 310900																		
Eu.SCI-CC.PDI.174	Head	<b>3.5.3.2 Command “Cancel A Route”</b>		007000 007600 007900 310900																		
Eu.SCI-CC.PDI.2206	Info	This telegram refines the InformationFlow "Cd_Cancel_A_Route" specified in the requirements specification (ID Eu.CC.2037).		007000 007600 007900 310900																		
Eu.SCI-CC.PDI.175	Info	Telegram definition for command “Cancel A Route” <table><tr><th>Byte / Bit</th><th>Content</th></tr><tr><td>00</td><td>Protocol Type: 0x70 (1 Byte binary)</td></tr><tr><td>01..02</td><td>Message Type: 0x0050 or 0X0055 (2 Bytes binary)</td></tr><tr><td>03..22</td><td>Sender: TCS Identifier (20 Bytes text)</td></tr><tr><td>23..42</td><td>Receiver: ILS Identifier (20 Bytes text)</td></tr><tr><td>43..44</td><td>TAN (2 Bytes binary)</td></tr><tr><td>45</td><td>Information Type: 0x0C or 0x86 (1 Byte binary)</td></tr><tr><td>46..65</td><td>Route ID or Signal / Signalling Point ID (20 Bytes text)</td></tr><tr><td>66</td><td>Route preparation instruction (1 Byte binary)</td></tr></table>		Byte / Bit	Content	00	Protocol Type: 0x70 (1 Byte binary)	01..02	Message Type: 0x0050 or 0X0055 (2 Bytes binary)	03..22	Sender: TCS Identifier (20 Bytes text)	23..42	Receiver: ILS Identifier (20 Bytes text)	43..44	TAN (2 Bytes binary)	45	Information Type: 0x0C or 0x86 (1 Byte binary)	46..65	Route ID or Signal / Signalling Point ID (20 Bytes text)	66	Route preparation instruction (1 Byte binary)	007000 007600 007900 310900
Byte / Bit	Content																					
00	Protocol Type: 0x70 (1 Byte binary)																					
01..02	Message Type: 0x0050 or 0X0055 (2 Bytes binary)																					
03..22	Sender: TCS Identifier (20 Bytes text)																					
23..42	Receiver: ILS Identifier (20 Bytes text)																					
43..44	TAN (2 Bytes binary)																					
45	Information Type: 0x0C or 0x86 (1 Byte binary)																					
46..65	Route ID or Signal / Signalling Point ID (20 Bytes text)																					
66	Route preparation instruction (1 Byte binary)																					
Eu.SCI-CC.PDI.176	Req	<b>Message Type</b> Bytes 01 and 02 shall be set to 0x0050 or 0x0055 as defined in section 3.4.1.		007000 007600 007900 310900																		
Eu.SCI-CC.PDI.177	Req	<b>Sender Identifier</b> The message bytes 03..22 shall contain the technical identifier of the TCS according to section 3.2.		007000 007600 007900 310900																		
Eu.SCI-CC.PDI.178	Req	<b>Receiver Identifier</b> The message bytes 23..42 shall contain the technical identifier of the Subsystem - Electronic Interlocking according to section 3.2.		007000 007600 007900 310900																		
Eu.SCI-CC.PDI.3339	Req	<b>TAN</b> Bytes 43 and 44 shall contain a unique transaction number of the command. If the Message Type is set to 0x0055, the transaction number shall be equal to the transaction number used in the command that is being confirmed (see section 3.4.1).		007000 007600 007900 310900																		
Eu.SCI-CC.PDI.179	Req	<b>Information Type</b> Byte 45 shall be set to one of the following values: <table><tr><td>value</td><td>meaning</td></tr><tr><td>-----</td><td>-----</td></tr></table>		value	meaning	-----	-----	007000 007600 007900 310900														
value	meaning																					
-----	-----																					
Eu.SCI-CC.PDI.180	Req	0x0C	cancel Route	007000 007600 007900 310900																		

ID	Type	Requirement		Appl.																
Eu.SCI-CC.PDI.181	Req	0x86	auxiliary command to Cancel a Locked Main Route	007000 007900 310900																
Eu.SCI-CC.PDI.182	Req	<b>Route ID or Signal / Signalling Point ID</b> Bytes 46 to 65 shall contain a unique route identity or signal / signalling point identity according to section 3.3.		007000 007600 007900 310900																
Eu.SCI-CC.PDI.3715	Req	<b>Route preparation instruction</b> Byte 66 shall be set to one of the following values:  value                    meaning -----                -----		007000 007600 007900 310900																
Eu.SCI-CC.PDI.3716	Req	0x01	Cancel normal route	007600																
Eu.SCI-CC.PDI.3717	Req	0x02	Cancel prepared route	007600																
Eu.SCI-CC.PDI.3718	Req	0xFF	Route preparation instruction not applicable	007000 007600 007900 310900																
Eu.SCI-CC.PDI.221	Head	<b>3.5.3.3 Command “Cancel Route With Co-operative Shortening of Movement Authority”</b>		007000																
Eu.SCI-CC.PDI.2212	Info	This telegram refines the InformationFlow "Cd_Cancel_Route_With_Co-operative_Shortening_Of_Movement_Authority" specified in the requirements specification (ID Eu.CC.2039).		007000																
Eu.SCI-CC.PDI.222	Info	Telegram definition for command “Cancel Route With Co-operative Shortening Of Movement Authority” <table><tr><th>Byte / Bit</th><th>Content</th></tr><tr><td>00</td><td>Protocol Type: 0x70 (1 Byte binary)</td></tr><tr><td>01..02</td><td>Message Type: 0x0050 or 0X0055 (2 Bytes binary)</td></tr><tr><td>03..22</td><td>Sender: TCS Identifier (20 Bytes text)</td></tr><tr><td>23..42</td><td>Receiver: ILS Identifier (20 Bytes text)</td></tr><tr><td>43..44</td><td>TAN (2 Bytes binary)</td></tr><tr><td>45</td><td>Information Type: 0x0D (1 Byte binary)</td></tr><tr><td>46..65</td><td>Route ID (20 Bytes text)</td></tr></table>		Byte / Bit	Content	00	Protocol Type: 0x70 (1 Byte binary)	01..02	Message Type: 0x0050 or 0X0055 (2 Bytes binary)	03..22	Sender: TCS Identifier (20 Bytes text)	23..42	Receiver: ILS Identifier (20 Bytes text)	43..44	TAN (2 Bytes binary)	45	Information Type: 0x0D (1 Byte binary)	46..65	Route ID (20 Bytes text)	007000
Byte / Bit	Content																			
00	Protocol Type: 0x70 (1 Byte binary)																			
01..02	Message Type: 0x0050 or 0X0055 (2 Bytes binary)																			
03..22	Sender: TCS Identifier (20 Bytes text)																			
23..42	Receiver: ILS Identifier (20 Bytes text)																			
43..44	TAN (2 Bytes binary)																			
45	Information Type: 0x0D (1 Byte binary)																			
46..65	Route ID (20 Bytes text)																			
Eu.SCI-CC.PDI.223	Req	<b>Message Type</b> Bytes 01 and 02 shall be set to 0x0050 or 0x0055 as defined in section 3.4.1.		007000																
Eu.SCI-CC.PDI.224	Req	<b>Sender Identifier</b> The message bytes 03..22 shall contain the technical identifier of the TCS according to section 3.2.		007000																
Eu.SCI-CC.PDI.225	Req	<b>Receiver Identifier</b> The message bytes 23..42 shall contain the technical identifier of the Subsystem - Electronic Interlocking according to section 3.2.		007000																
Eu.SCI-CC.PDI.3340	Req	<b>TAN</b> Bytes 43 and 44 shall contain a unique transaction number of the command. If the Message Type is set to 0x0055, the transaction number shall be equal to the transaction number used in the command that is being confirmed (see section 3.4.1).		007000																
Eu.SCI-CC.PDI.226	Req	<b>Information Type</b> Byte 45 shall be set to 0x0D.		007000																
Eu.SCI-CC.PDI.227	Req	<b>Route ID</b> Bytes 46 to 65 shall contain a unique route identity according to section 3.3.		007000																
Eu.SCI-CC.PDI.204	Head	<b>3.5.3.4 Command “Cancel Or Extend An overlap”</b>		007600 007900 310900																
Eu.SCI-CC.PDI.2210	Info	This telegram refines the InformationFlow "Cd_Cancel_Or_Extend_An_overlap" specified in the requirements specification (ID Eu.CC.2038).		007600 007900 310900																
Eu.SCI-CC.PDI.205	Info	Telegram definition for command “Cancel Or Extend An Overlap”		007600 007900 310900																

ID	Type	Requirement		Appl.																				
		<table><tr><th>Byte / Bit</th><th>Content</th></tr><tr><td>00</td><td>Protocol Type: 0x70 (1 Byte binary)</td></tr><tr><td>01..02</td><td>Message Type: 0x0050 or 0X0055 (2 Bytes binary)</td></tr><tr><td>03..22</td><td>Sender: TCS Identifier (20 Bytes text)</td></tr><tr><td>23..42</td><td>Receiver: ILS Identifier (20 Bytes text)</td></tr><tr><td>43..44</td><td>TAN (2 Bytes binary)</td></tr><tr><td>45</td><td>Information Type: 0x04 (1 Byte binary)</td></tr><tr><td>46..65</td><td>Overlap ID or Signal / Signalling Point ID (20 Bytes text)</td></tr><tr><td>66</td><td>Instruction (1 Byte binary)</td></tr></table>	Byte / Bit	Content	00	Protocol Type: 0x70 (1 Byte binary)	01..02	Message Type: 0x0050 or 0X0055 (2 Bytes binary)	03..22	Sender: TCS Identifier (20 Bytes text)	23..42	Receiver: ILS Identifier (20 Bytes text)	43..44	TAN (2 Bytes binary)	45	Information Type: 0x04 (1 Byte binary)	46..65	Overlap ID or Signal / Signalling Point ID (20 Bytes text)	66	Instruction (1 Byte binary)				
Byte / Bit	Content																							
00	Protocol Type: 0x70 (1 Byte binary)																							
01..02	Message Type: 0x0050 or 0X0055 (2 Bytes binary)																							
03..22	Sender: TCS Identifier (20 Bytes text)																							
23..42	Receiver: ILS Identifier (20 Bytes text)																							
43..44	TAN (2 Bytes binary)																							
45	Information Type: 0x04 (1 Byte binary)																							
46..65	Overlap ID or Signal / Signalling Point ID (20 Bytes text)																							
66	Instruction (1 Byte binary)																							
Eu.SCI-CC.PDI.206	Req	<b>Message Type</b> Bytes 01 and 02 shall be set to 0x0050 or 0x0055 as defined in section 3.4.1.		007600 007900 310900																				
Eu.SCI-CC.PDI.207	Req	<b>Sender Identifier</b> The message bytes 03..22 shall contain the technical identifier of the TCS according to section 3.2.		007600 007900 310900																				
Eu.SCI-CC.PDI.208	Req	<b>Receiver Identifier</b> The message bytes 23..42 shall contain the technical identifier of the Subsystem - Electronic Interlocking according to section 3.2.		007600 007900 310900																				
Eu.SCI-CC.PDI.3341	Req	<b>TAN</b> Bytes 43 and 44 shall contain a unique transaction number of the command. If the Message Type is set to 0x0055, the transaction number shall be equal to the transaction number used in the command that is being confirmed (see section 3.4.1).		007600 007900 310900																				
Eu.SCI-CC.PDI.209	Req	<b>Information Type</b> Byte 45 shall be set to 0x04.		007600 007900 310900																				
Eu.SCI-CC.PDI.210	Req	<b>Overlap ID or Signal / Signalling Point ID</b> Bytes 46 to 65 shall contain a unique overlap or signal identity according to section 3.3.		007600 007900 310900																				
Eu.SCI-CC.PDI.211	Req	<b>Instruction</b> Byte 66 shall be set to one of the following values:  value            meaning -----        -----		007600 007900 310900																				
Eu.SCI-CC.PDI.212	Req	0x01	extend overlap	007900 310900																				
Eu.SCI-CC.PDI.213	Req	0x02	cancel overlap	007600 007900 310900																				
Eu.SCI-CC.PDI.3418	Head	<b>3.5.3.5 Command “Apply Trackworker Safety System Protection”</b>		007001																				
Eu.SCI-CC.PDI.3419	Info	This telegram refines the InformationFlow "Cd_Apply_TW_Safe_Sys_Protec" specified in the requirements specification (ID Eu.CC.2035).		007001																				
Eu.SCI-CC.PDI.3420	Info	Telegram definition for command “Cd_Apply_TW_Safe_Sys_Protec”  <table><tr><th>Byte / Bit</th><th>Content</th></tr><tr><td>00</td><td>Protocol Type: 0x70 (1 Byte binary)</td></tr><tr><td>01..02</td><td>Message Type: 0x0050 or 0X0055 (2 Bytes binary)</td></tr><tr><td>03..22</td><td>Sender: TCS Identifier (20 Bytes text)</td></tr><tr><td>23..42</td><td>Receiver: ILS Identifier (20 Bytes text)</td></tr><tr><td>43..44</td><td>TAN (2 Bytes binary)</td></tr><tr><td>45</td><td>Information Type: 0x88 (1 Byte binary)</td></tr><tr><td>46..65</td><td>Route ID (20 Bytes text)</td></tr><tr><td>66</td><td>Instruction (1 Byte binary)</td></tr><tr><td>67</td><td>Delay value (1 Byte binary)</td></tr></table>		Byte / Bit	Content	00	Protocol Type: 0x70 (1 Byte binary)	01..02	Message Type: 0x0050 or 0X0055 (2 Bytes binary)	03..22	Sender: TCS Identifier (20 Bytes text)	23..42	Receiver: ILS Identifier (20 Bytes text)	43..44	TAN (2 Bytes binary)	45	Information Type: 0x88 (1 Byte binary)	46..65	Route ID (20 Bytes text)	66	Instruction (1 Byte binary)	67	Delay value (1 Byte binary)	007001
Byte / Bit	Content																							
00	Protocol Type: 0x70 (1 Byte binary)																							
01..02	Message Type: 0x0050 or 0X0055 (2 Bytes binary)																							
03..22	Sender: TCS Identifier (20 Bytes text)																							
23..42	Receiver: ILS Identifier (20 Bytes text)																							
43..44	TAN (2 Bytes binary)																							
45	Information Type: 0x88 (1 Byte binary)																							
46..65	Route ID (20 Bytes text)																							
66	Instruction (1 Byte binary)																							
67	Delay value (1 Byte binary)																							
Eu.SCI-CC.PDI.3421	Req	<b>Message Type</b> Bytes 01 and 02 shall be set to 0x0050 or 0x0055 as defined in section 3.4.1.		007001																				
Eu.SCI-CC.PDI.3422	Req	<b>Sender Identifier</b> The message bytes 03..22 shall contain the technical identifier of the TCS according to section 3.2.		007001																				

ID	Type	Requirement		Appl.																																		
Eu.SCI-CC.PDI.3423	Req	<b>Receiver Identifier</b> The message bytes 23..42 shall contain the technical identifier of the Subsystem - Electronic Interlocking according to section 3.2.		007001																																		
Eu.SCI-CC.PDI.3424	Req	<b>TAN</b> Bytes 43 and 44 shall contain a unique transaction number of the command. If the Message Type is set to 0x0055, the transaction number shall be equal to the transaction number used in the command that is being confirmed (see section 3.4.1).		007001																																		
Eu.SCI-CC.PDI.3425	Req	<b>Information Type</b> Byte 45 shall be set to 0x88.		007001																																		
Eu.SCI-CC.PDI.3426	Req	<b>Route ID</b> Bytes 46 to 65 shall contain a unique route identity according to section 3.3.		007001																																		
Eu.SCI-CC.PDI.3427	Req	<b>Instruction</b> Byte 66 shall be set to one of the following values: <table><tr><td>value</td><td>meaning</td></tr><tr><td>-----</td><td>-----</td></tr></table>		value	meaning	-----	-----	007001																														
value	meaning																																					
-----	-----																																					
Eu.SCI-CC.PDI.3428	Req	0x01	Block route	007001																																		
Eu.SCI-CC.PDI.3429	Req	0x02	Unblock route	007001																																		
Eu.SCI-CC.PDI.3430	Req	0x03	Add route setting delay	007001																																		
Eu.SCI-CC.PDI.3431	Req	0x04	Remove route setting delay	007001																																		
Eu.SCI-CC.PDI.3432	Req	<b>Delay value</b> The delay value is only relevant where the Instruction is to 'Add delay to route setting' and specifies the related time period.		007001																																		
Eu.SCI-CC.PDI.3433	Req	Where the Instruction is set to 0x03 then Byte 67 shall contain the delay value in seconds between 0x00 and 0xFE (0 to 254 s) representing the time period for the route setting relay.		007001																																		
Eu.SCI-CC.PDI.3434	Req	Where the Delay value is not applicable then it shall be set to 0xFF.		007001																																		
Eu.SCI-CC.PDI.772	Head	<b>3.5.3.6 Message “Route Status”</b>		007000 007001 007900 008700 310900																																		
Eu.SCI-CC.PDI.2253	Info	This telegram refines the InformationFlow "Msg_Route_Status" specified in the requirements specification (ID Eu.CC.2042).		007000 007001 007900 008700 310900																																		
Eu.SCI-CC.PDI.773	Info	Telegram definition for status message “Route Status” <table><tr><th>Byte / Bit</th><th>Content</th></tr><tr><td>00</td><td>Protocol Type: 0x70 (1 Byte binary)</td></tr><tr><td>01..02</td><td>Message Type: 0x0040 (2 Bytes binary)</td></tr><tr><td>03..22</td><td>Sender: ILS Identifier (20 Bytes text)</td></tr><tr><td>23..42</td><td>Receiver: TCS Identifier (20 Bytes text)</td></tr><tr><td>43</td><td>Information Type: 0x01 (1 Byte binary)</td></tr><tr><td>44..63</td><td>Route ID (20 Bytes text)</td></tr><tr><td>64</td><td>Route Type (1 Byte binary)</td></tr><tr><td>65</td><td>Route State (1 Byte binary)</td></tr><tr><td>66</td><td>Route state message (1 Byte binary)</td></tr><tr><td>67</td><td>Route state description (1 Byte binary)</td></tr><tr><td>68</td><td>Overlap State (1 Byte binary)</td></tr><tr><td>69</td><td>Overlap state message (1 Byte binary)</td></tr><tr><td>70</td><td>Overlap release timer (1 Byte binary)</td></tr><tr><td>71</td><td>Residual route cancellation timer (1 Byte binary)</td></tr><tr><td>72</td><td>Approach Zone (1 Byte binary)</td></tr><tr><td>73</td><td>Route Delay (1 Byte binary)</td></tr></table>		Byte / Bit	Content	00	Protocol Type: 0x70 (1 Byte binary)	01..02	Message Type: 0x0040 (2 Bytes binary)	03..22	Sender: ILS Identifier (20 Bytes text)	23..42	Receiver: TCS Identifier (20 Bytes text)	43	Information Type: 0x01 (1 Byte binary)	44..63	Route ID (20 Bytes text)	64	Route Type (1 Byte binary)	65	Route State (1 Byte binary)	66	Route state message (1 Byte binary)	67	Route state description (1 Byte binary)	68	Overlap State (1 Byte binary)	69	Overlap state message (1 Byte binary)	70	Overlap release timer (1 Byte binary)	71	Residual route cancellation timer (1 Byte binary)	72	Approach Zone (1 Byte binary)	73	Route Delay (1 Byte binary)	007000 007001 007900 008700 310900
Byte / Bit	Content																																					
00	Protocol Type: 0x70 (1 Byte binary)																																					
01..02	Message Type: 0x0040 (2 Bytes binary)																																					
03..22	Sender: ILS Identifier (20 Bytes text)																																					
23..42	Receiver: TCS Identifier (20 Bytes text)																																					
43	Information Type: 0x01 (1 Byte binary)																																					
44..63	Route ID (20 Bytes text)																																					
64	Route Type (1 Byte binary)																																					
65	Route State (1 Byte binary)																																					
66	Route state message (1 Byte binary)																																					
67	Route state description (1 Byte binary)																																					
68	Overlap State (1 Byte binary)																																					
69	Overlap state message (1 Byte binary)																																					
70	Overlap release timer (1 Byte binary)																																					
71	Residual route cancellation timer (1 Byte binary)																																					
72	Approach Zone (1 Byte binary)																																					
73	Route Delay (1 Byte binary)																																					
Eu.SCI-CC.PDI.774	Req	<b>Message Type</b> Bytes 01 and 02 shall be set to 0x0040.		007000 007001 007900 008700 310900																																		

ID	Type	Requirement	Appl.
Eu.SCI-CC.PDI.775	Req	<b>Sender Identifier</b> The message bytes 03..22 shall contain the technical identifier of the Subsystem - Electronic Interlocking according to section 3.2.	007000 007001 007900 008700 310900
Eu.SCI-CC.PDI.776	Req	<b>Receiver Identifier</b> The message bytes 23..42 shall contain the technical identifier of the TCS according to section 3.2.	007000 007001 007900 008700 310900
Eu.SCI-CC.PDI.777	Req	<b>Information Type</b> Byte 43 shall be set to 0x01.	007000 007001 007900 008700 310900
Eu.SCI-CC.PDI.778	Req	<b>Route ID</b> Bytes 44 to 63 shall contain a unique Route identity according to section 3.3.	007000 007001 007900 008700 310900
Eu.SCI-CC.PDI.779	Req	<b>Route Type</b> Byte 64 shall be set to one of the following values:  value            meaning -----        -----	007000 007001 007900 008700 310900
Eu.SCI-CC.PDI.780	Req	0x01            Main route	007000 007001 007900 008700 310900
Eu.SCI-CC.PDI.781	Req	0x02            Shunting route	007000 007001 007900 008700 310900
Eu.SCI-CC.PDI.782	Req	0x03            Warning route	007000 007001 008700
Eu.SCI-CC.PDI.783	Req	0x04            On-Sight / Call-on route	007000 007001 007900 008700 310900
Eu.SCI-CC.PDI.784	Req	0x05            Staff-Responsible route	007000 007001 008700
Eu.SCI-CC.PDI.785	Req	<b>Route State</b> Byte 65 shall be set to one of the following values:  value            meaning -----        -----	007000 007001 007900 008700 310900
Eu.SCI-CC.PDI.786	Req	0x01            Released	007000 007001 007900 008700 310900
Eu.SCI-CC.PDI.787	Req	0x02            Initiated / Set	007000 007001 007900 008700 310900



ID	Type	Requirement		Appl.
Eu.SCI-CC.PDI.789	Req	0x03	Locked	007000 007001 007900 008700 310900
Eu.SCI-CC.PDI.2657	Req	0x04	cancelled and locked	007000 007001 008700
Eu.SCI-CC.PDI.791	Req	<b>Route State Message</b> Byte 66 shall be set to one of the following values:  value            meaning -----        -----		007000 007001 007900 008700 310900
Eu.SCI-CC.PDI.793	Req	0x01	monitoring conditions failed	007900 310900
Eu.SCI-CC.PDI.792	Req	0x05	no message	007900 310900
Eu.SCI-CC.PDI.2375	Req	0xFF	Route State Message not applicable	007000 007001 008700
Eu.SCI-CC.PDI.797	Req	<b>Route State Description</b> Byte 67 shall be set to one of the following values:  value            meaning -----        -----		007000 007001 007900 008700 310900
Eu.SCI-CC.PDI.2674	Req	0x01	Route is blocked for route setting by the Maintainer	007000 007001
Eu.SCI-CC.PDI.2675	Req	0x02	Route is blocked for route setting by the Trackworker Safety System	007000 007001
Eu.SCI-CC.PDI.2676	Req	0x03	Route setting is delayed by the Trackworker Safety System	007000 007001
Eu.SCI-CC.PDI.2677	Req	0x04	Route is blocked for route setting by the maintainer and the Trackworker Safety System	007000 007001
Eu.SCI-CC.PDI.2678	Req	0x05	Route is blocked for route setting by the maintainer and delayed by the Trackworker Safety System	007000 007001
Eu.SCI-CC.PDI.2376	Req	0xFF	Route State Description not applicable	007000 007001 007900 008700 310900
Eu.SCI-CC.PDI.800	Req	<b>Overlap State</b> Byte 68 shall be set to one of the following values:  value            meaning -----        -----		007000 007001 007900 008700 310900
Eu.SCI-CC.PDI.801	Req	0x01	overlap is not established	007900 310900
Eu.SCI-CC.PDI.802	Req	0x02..0xFE	overlap defined by given value is established	007900 310900
Eu.SCI-CC.PDI.2377	Req	0xFF	Overlap State not applicable	007000 007001 008700

ID	Type	Requirement	Appl.
Eu.SCI-CC.PDI.803	Req	<b>Overlap State Message</b> Byte 69 shall be set to one of the following values:  value            meaning -----    -----	007000 007001 007900 008700 310900
Eu.SCI-CC.PDI.805	Req	0x01            Automatic Overlap Release disturbed	310900
Eu.SCI-CC.PDI.2378	Req	0xFF            Overlap State Message not applicable	007000 007001 007900 008700
Eu.SCI-CC.PDI.810	Req	<b>Overlap Release Timer</b> Byte 70 shall be set to one of the following values:  value            meaning -----    -----	007000 007001 007900 008700 310900
Eu.SCI-CC.PDI.812	Req	0x01            Overlap Release Timer is running	007900 310900
Eu.SCI-CC.PDI.811	Req	0x02            Overlap Release Timer is not running	007900 310900
Eu.SCI-CC.PDI.2380	Req	0xFF            Overlap Release Timer not applicable	007000 007001 008700
Eu.SCI-CC.PDI.813	Req	<b>Residual Route Cancellation Timer</b> Byte 71 shall be set to one of the following values:  value            meaning -----    -----	007000 007001 007900 008700 310900
Eu.SCI-CC.PDI.815	Req	0x01            Residual Route Cancellation Timer is running	007900 310900
Eu.SCI-CC.PDI.814	Req	0x02            Residual Route Cancellation Timer is not running	007900 310900
Eu.SCI-CC.PDI.2381	Req	0xFF            Residual Route Cancellation Timer not applicable	007000 007001 008700
Eu.SCI-CC.PDI.816	Req	<b>Approach Zone</b> Byte 72 shall be set to the one of the following values:  value            meaning -----    -----	007000 007001 007900 008700 310900
Eu.SCI-CC.PDI.817	Req	0x01            Approach Zone is not occupied	007900 310900
Eu.SCI-CC.PDI.818	Req	0x02            Approach Zone is occupied	007900 310900
Eu.SCI-CC.PDI.819	Req	0x03            unknown or not specified	007900 310900
Eu.SCI-CC.PDI.2382	Req	0xFF            Approach Zone not applicable	007000 007001 008700
Eu.SCI-CC.PDI.3415	Req	<b>Route Delay</b> The message byte 73 shall contain the route delay value.	007000 008700
Eu.SCI-CC.PDI.3416	Req	Where the Route State Description is set to 0x03 or 0x05 then Byte 73 shall contain the delay value in seconds between 0x00 and 0xFE (0 to 254 s) representing the time period for the route setting relay.	007000 008700
Eu.SCI-CC.PDI.3417	Req	Where the Delay value is not applicable then it shall be set to 0xFF.	007000 008700

ID	Type	Requirement	Appl.																				
Eu.SCI-CC.PDI.1669	Head	<b>3.5.3.7 Message “Sub-Route Status”</b>	007000 007900																				
Eu.SCI-CC.PDI.2287	Info	This telegram refines the InformationFlow "Msg_Sub-Route_Status" specified in the requirements specification (ID Eu.CC.2043).	007000 007900																				
Eu.SCI-CC.PDI.1670	Info	Telegram definition for status message “Sub-Route Status” <table><tr><th>Byte / Bit</th><th>Content</th></tr><tr><td>00</td><td>Protocol Type: 0x70 (1 Byte binary)</td></tr><tr><td>01..02</td><td>Message Type: 0x0040 (2 Bytes binary)</td></tr><tr><td>03..22</td><td>Sender: ILS Identifier (20 Bytes text)</td></tr><tr><td>23..42</td><td>Receiver: TCS Identifier (20 Bytes text)</td></tr><tr><td>43</td><td>Information Type: 0x02 (1 Byte binary)</td></tr><tr><td>44..63</td><td>Sub-route ID (20 Bytes text)</td></tr><tr><td>64</td><td>State (1 Byte binary)</td></tr></table>	Byte / Bit	Content	00	Protocol Type: 0x70 (1 Byte binary)	01..02	Message Type: 0x0040 (2 Bytes binary)	03..22	Sender: ILS Identifier (20 Bytes text)	23..42	Receiver: TCS Identifier (20 Bytes text)	43	Information Type: 0x02 (1 Byte binary)	44..63	Sub-route ID (20 Bytes text)	64	State (1 Byte binary)	007000 007900				
Byte / Bit	Content																						
00	Protocol Type: 0x70 (1 Byte binary)																						
01..02	Message Type: 0x0040 (2 Bytes binary)																						
03..22	Sender: ILS Identifier (20 Bytes text)																						
23..42	Receiver: TCS Identifier (20 Bytes text)																						
43	Information Type: 0x02 (1 Byte binary)																						
44..63	Sub-route ID (20 Bytes text)																						
64	State (1 Byte binary)																						
Eu.SCI-CC.PDI.1671	Req	<b>Message Type</b> Bytes 01 and 02 shall be set to 0x0040 as defined in section 3.4.1.	007000 007900																				
Eu.SCI-CC.PDI.1672	Req	<b>Sender Identifier</b> The message bytes 03..22 shall contain the technical identifier of the Subsystem - Electronic Interlocking according to section 3.2.	007000 007900																				
Eu.SCI-CC.PDI.1673	Req	<b>Receiver Identifier</b> The message bytes 23..42 shall contain the technical identifier of the TCS according to section 3.2.	007000 007900																				
Eu.SCI-CC.PDI.1674	Req	<b>Information Type</b> Byte 43 shall be set to 0x02.	007000 007900																				
Eu.SCI-CC.PDI.1675	Req	<b>Sub-route ID</b> Bytes 44 to 63 shall contain a unique Sub-route identity according to section 3.3.	007000 007900																				
Eu.SCI-CC.PDI.1676	Req	<b>Message</b> The message byte 64 shall be set to one of the following values:  <table><tr><th>value</th><th>meaning</th></tr><tr><td>-----</td><td>-----</td></tr></table>	value	meaning	-----	-----	007000 007900																
value	meaning																						
-----	-----																						
Eu.SCI-CC.PDI.1678	Req	0x01            sub-route locked	007000 007900																				
Eu.SCI-CC.PDI.1677	Req	0x02            sub-route not locked	007000 007900																				
Eu.SCI-CC.PDI.1604	Head	<b>3.5.3.8 Message “Co-operative Shortening Status”</b>	007000 007600																				
Eu.SCI-CC.PDI.2282	Info	This telegram refines the InformationFlow "Msg_Co-operative_Shortening_Status" specified in the requirements specification (ID Eu.CC.2041).	007000 007600																				
Eu.SCI-CC.PDI.1605	Info	Telegram definition for status message “Co-operative Shortening Status” <table><tr><th>Byte / Bit</th><th>Content</th></tr><tr><td>00</td><td>Protocol Type: 0x70 (1 Byte binary)</td></tr><tr><td>01..02</td><td>Message Type: 0x0040 (2 Bytes binary)</td></tr><tr><td>03..22</td><td>Sender: ILS Identifier (20 Bytes text)</td></tr><tr><td>23..42</td><td>Receiver: TCS Identifier (20 Bytes text)</td></tr><tr><td>43</td><td>Information Type: 0x1E (1 Byte binary)</td></tr><tr><td>44..63</td><td>Onboard ID (20 Bytes text)</td></tr><tr><td>64..83</td><td>Route ID or Signal / Signalling Point ID (20 Bytes text)</td></tr><tr><td>84</td><td>Active Control (1 Byte binary)</td></tr><tr><td>85</td><td>Status (1 Byte binary)</td></tr></table>	Byte / Bit	Content	00	Protocol Type: 0x70 (1 Byte binary)	01..02	Message Type: 0x0040 (2 Bytes binary)	03..22	Sender: ILS Identifier (20 Bytes text)	23..42	Receiver: TCS Identifier (20 Bytes text)	43	Information Type: 0x1E (1 Byte binary)	44..63	Onboard ID (20 Bytes text)	64..83	Route ID or Signal / Signalling Point ID (20 Bytes text)	84	Active Control (1 Byte binary)	85	Status (1 Byte binary)	007000 007600
Byte / Bit	Content																						
00	Protocol Type: 0x70 (1 Byte binary)																						
01..02	Message Type: 0x0040 (2 Bytes binary)																						
03..22	Sender: ILS Identifier (20 Bytes text)																						
23..42	Receiver: TCS Identifier (20 Bytes text)																						
43	Information Type: 0x1E (1 Byte binary)																						
44..63	Onboard ID (20 Bytes text)																						
64..83	Route ID or Signal / Signalling Point ID (20 Bytes text)																						
84	Active Control (1 Byte binary)																						
85	Status (1 Byte binary)																						
Eu.SCI-CC.PDI.1606	Req	<b>Message Type</b> Bytes 01 and 02 shall be set to 0x0040.	007000 007600																				

ID	Type	Requirement	Appl.																
Eu.SCI-CC.PDI.1607	Req	<b>Sender Identifier</b> The message bytes 03..22 shall contain the technical identifier of the Subsystem - Electronic Interlocking according to section 3.2.	007000 007600																
Eu.SCI-CC.PDI.1608	Req	<b>Receiver Identifier</b> The message bytes 23..42 shall contain the technical identifier of the TCS according to section 3.2.	007000 007600																
Eu.SCI-CC.PDI.1609	Req	<b>Information Type</b> The message byte 43 shall be set to 0x1E.	007000 007600																
Eu.SCI-CC.PDI.1611	Req	<b>Onboard ID</b> Bytes 44 to 63 shall contain a unique onboard identity according to Eu.SCI-CC.PDI.3728.	007000																
Eu.SCI-CC.PDI.3140	Req	Where Onboard ID is not applicable bytes 44 to 63 shall be set to 0xFF.	007600																
Eu.SCI-CC.PDI.1610	Req	<b>Route ID or Signal / Signalling Point ID</b> Bytes 64 to 83 shall contain a unique Route or Signal or Signalling Point identity according to section 3.3.	007000 007600																
Eu.SCI-CC.PDI.3657	Req	<b>Active Control</b> The message byte 84 shall be set to one of the following values:  value            meaning -----    -----	007000 007600																
Eu.SCI-CC.PDI.3658	Req	0x01            not in active control	007000 007600																
Eu.SCI-CC.PDI.3659	Req	0x02            in active control	007000 007600																
Eu.SCI-CC.PDI.1612	Req	<b>Status</b> The message byte 85 shall be set to one of the following values:  value            meaning -----    -----	007000 007600																
Eu.SCI-CC.PDI.1614	Req	0x01            process not ongoing	007000 007600																
Eu.SCI-CC.PDI.1615	Req	0x02            process ongoing	007000 007600																
Eu.SCI-CC.PDI.1616	Req	0x03            request accepted	007000 007600																
Eu.SCI-CC.PDI.1617	Req	0x04            request rejected	007000 007600																
Eu.SCI-CC.PDI.1613	Req	0x05            request cancelled	007000 007600																
Eu.SCI-CC.PDI.3146	Head	<b>3.5.4 Generic element functions</b>	Default																
Eu.SCI-CC.PDI.647	Head	<b>3.5.4.1 Command “Display All Reminders And Blocking Set On A Route Element Or On A Route”</b>	007000 007900 310900																
Eu.SCI-CC.PDI.2239	Info	This telegram refines the InformationFlow "Cd_Display_All_Reminders_And_Blocking_Set_On_A_Route_Element_Or_On_A_Route" specified in the requirements specification (ID Eu.CC.1987).	007000 007900 310900																
Eu.SCI-CC.PDI.648	Info	Telegram definition for command “Display All Reminders And Blocking Set On A Route Element Or On A Route” <table><tr><th>Byte / Bit</th><th>Content</th></tr><tr><td>00</td><td>Protocol Type: 0x70 (1 Byte binary)</td></tr><tr><td>01..02</td><td>Message Type: 0x0050 or 0x0055 (2 Bytes binary)</td></tr><tr><td>03..22</td><td>Sender: TCS Identifier (20 Bytes text)</td></tr><tr><td>23..42</td><td>Receiver: ILS Identifier (20 Bytes text)</td></tr><tr><td>43..44</td><td>TAN (2 Bytes binary)</td></tr><tr><td>45</td><td>Information Type: 0x7B (1 Byte binary)</td></tr><tr><td>46..65</td><td>Route or Element ID (20 Bytes text)</td></tr></table>	Byte / Bit	Content	00	Protocol Type: 0x70 (1 Byte binary)	01..02	Message Type: 0x0050 or 0x0055 (2 Bytes binary)	03..22	Sender: TCS Identifier (20 Bytes text)	23..42	Receiver: ILS Identifier (20 Bytes text)	43..44	TAN (2 Bytes binary)	45	Information Type: 0x7B (1 Byte binary)	46..65	Route or Element ID (20 Bytes text)	007000 007900 310900
Byte / Bit	Content																		
00	Protocol Type: 0x70 (1 Byte binary)																		
01..02	Message Type: 0x0050 or 0x0055 (2 Bytes binary)																		
03..22	Sender: TCS Identifier (20 Bytes text)																		
23..42	Receiver: ILS Identifier (20 Bytes text)																		
43..44	TAN (2 Bytes binary)																		
45	Information Type: 0x7B (1 Byte binary)																		
46..65	Route or Element ID (20 Bytes text)																		

ID	Type	Requirement	Appl.																		
Eu.SCI-CC.PDI.649	Req	<b>Message Type</b> Bytes 01 and 02 shall be set to 0x0050 or 0x0055 as defined in section 3.4.1.	007000 007900 310900																		
Eu.SCI-CC.PDI.650	Req	<b>Sender Identifier</b> The message bytes 03..22 shall contain the technical identifier of the TCS according to section 3.2.	007000 007900 310900																		
Eu.SCI-CC.PDI.651	Req	<b>Receiver Identifier</b> The message bytes 23..42 shall contain the technical identifier of the Subsystem - Electronic Interlocking according to section 3.2.	007000 007900 310900																		
Eu.SCI-CC.PDI.3346	Req	<b>TAN</b> Bytes 43 and 44 shall contain a unique transaction number of the command. If the Message Type is set to 0x0055, the transaction number shall be equal to the transaction number used in the command that is being confirmed (see section 3.4.1).	007000 007900 310900																		
Eu.SCI-CC.PDI.652	Req	<b>Information Type</b> Byte 45 shall be set to 0x7B	007000 007900 310900																		
Eu.SCI-CC.PDI.653	Req	<b>Route or Element ID</b> Bytes 46 to 65 shall contain a unique Route or Element identity according to section 3.3.	007000 007900 310900																		
Eu.SCI-CC.PDI.690	Head	<b>3.5.4.2 Command “Acknowledge Alarm Or Alert”</b>	007000 007600 007900 310900																		
Eu.SCI-CC.PDI.2244	Info	This telegram refines the InformationFlow "Cd_Acknowledge_Alarm_Or_Alert" specified in the requirements specification (ID Eu.CC.1984).	007000 007600 007900 310900																		
Eu.SCI-CC.PDI.691	Info	Telegram definition for command “Acknowledge Alarm Or Alert” <table><tr><th>Byte / Bit</th><th>Content</th></tr><tr><td>00</td><td>Protocol Type: 0x70 (1 Byte binary)</td></tr><tr><td>01..02</td><td>Message Type: 0x0050 or 0x0055 (2 Bytes binary)</td></tr><tr><td>03..22</td><td>Sender: TCS Identifier (20 Bytes text)</td></tr><tr><td>23..42</td><td>Receiver: ILS Identifier (20 Bytes text)</td></tr><tr><td>43..44</td><td>TAN (2 Bytes binary)</td></tr><tr><td>45</td><td>Information Type: 0x7F (1 Byte binary)</td></tr><tr><td>46..65</td><td>Element ID (20 Bytes text)</td></tr><tr><td>66</td><td>Fault Code (1 Byte Binary)</td></tr></table>	Byte / Bit	Content	00	Protocol Type: 0x70 (1 Byte binary)	01..02	Message Type: 0x0050 or 0x0055 (2 Bytes binary)	03..22	Sender: TCS Identifier (20 Bytes text)	23..42	Receiver: ILS Identifier (20 Bytes text)	43..44	TAN (2 Bytes binary)	45	Information Type: 0x7F (1 Byte binary)	46..65	Element ID (20 Bytes text)	66	Fault Code (1 Byte Binary)	007000 007600 007900 310900
Byte / Bit	Content																				
00	Protocol Type: 0x70 (1 Byte binary)																				
01..02	Message Type: 0x0050 or 0x0055 (2 Bytes binary)																				
03..22	Sender: TCS Identifier (20 Bytes text)																				
23..42	Receiver: ILS Identifier (20 Bytes text)																				
43..44	TAN (2 Bytes binary)																				
45	Information Type: 0x7F (1 Byte binary)																				
46..65	Element ID (20 Bytes text)																				
66	Fault Code (1 Byte Binary)																				
Eu.SCI-CC.PDI.692	Req	<b>Message Type</b> Bytes 01 and 02 shall be set to 0x0050 or 0x0055 as defined in section 3.4.1.	007000 007600 007900 310900																		
Eu.SCI-CC.PDI.693	Req	<b>Sender Identifier</b> The message bytes 03..22 shall contain the technical identifier of the TCS according to section 3.2.	007000 007600 007900 310900																		
Eu.SCI-CC.PDI.694	Req	<b>Receiver Identifier</b> The message bytes 23..42 shall contain the technical identifier of the Subsystem - Electronic Interlocking according to section 3.2.	007000 007600 007900 310900																		
Eu.SCI-CC.PDI.3347	Req	<b>TAN</b> Bytes 43 and 44 shall contain a unique transaction number of the command. If the Message Type is set to 0x0055, the transaction number shall be equal to the transaction number used in the command that is being confirmed (see section 3.4.1).	007000 007600 007900 310900																		
Eu.SCI-CC.PDI.695	Req	<b>Information Type</b> Byte 45 shall be set to 0x7F	007000 007600 007900 310900																		

ID	Type	Requirement	Appl.																		
Eu.SCI-CC.PDI.696	Req	<b>Element ID</b> Bytes 46 to 65 shall contain a unique identity, according to section 3.3, of the element that is related to the alarm/alert and for which a Message “Raise Alarm Or Alert” shall have been previously received.	007000 007600 007900 310900																		
Eu.SCI-CC.PDI.697	Req	<b>Fault Code</b> Byte 66 shall contain a value between 0x01 and 0xFE representing the specific fault code given in Message “Raise Alarm or Alert ”.	007000 007600 007900 310900																		
Eu.SCI-CC.PDI.183	Head	<b>3.5.4.3 Command “Cancel Residual Route”</b>	007600 007900 310900																		
Eu.SCI-CC.PDI.2207	Info	This telegram refines the InformationFlow "Cd_Cancel_Residual_Route" specified in the requirements specification (ID Eu.CC.1986).	007600 007900 310900																		
Eu.SCI-CC.PDI.184	Info	Telegram definition for command “Cancel Residual Route” <table><tr><th>Byte / Bit</th><th>Content</th></tr><tr><td>00</td><td>Protocol Type: 0x70 (1 Byte binary)</td></tr><tr><td>01..02</td><td>Message Type: 0x0050 or 0X0055 (2 Bytes binary)</td></tr><tr><td>03..22</td><td>Sender: TCS Identifier (20 Bytes text)</td></tr><tr><td>23..42</td><td>Receiver: ILS Identifier (20 Bytes text)</td></tr><tr><td>43..44</td><td>TAN (2 Bytes binary)</td></tr><tr><td>45</td><td>Information Type: 0x87 (1 Byte binary)</td></tr><tr><td>46..65</td><td>Element ID (20 Bytes text)</td></tr><tr><td>66</td><td>Route preparation instruction (1 byte binary)</td></tr></table>	Byte / Bit	Content	00	Protocol Type: 0x70 (1 Byte binary)	01..02	Message Type: 0x0050 or 0X0055 (2 Bytes binary)	03..22	Sender: TCS Identifier (20 Bytes text)	23..42	Receiver: ILS Identifier (20 Bytes text)	43..44	TAN (2 Bytes binary)	45	Information Type: 0x87 (1 Byte binary)	46..65	Element ID (20 Bytes text)	66	Route preparation instruction (1 byte binary)	007600 007900 310900
Byte / Bit	Content																				
00	Protocol Type: 0x70 (1 Byte binary)																				
01..02	Message Type: 0x0050 or 0X0055 (2 Bytes binary)																				
03..22	Sender: TCS Identifier (20 Bytes text)																				
23..42	Receiver: ILS Identifier (20 Bytes text)																				
43..44	TAN (2 Bytes binary)																				
45	Information Type: 0x87 (1 Byte binary)																				
46..65	Element ID (20 Bytes text)																				
66	Route preparation instruction (1 byte binary)																				
Eu.SCI-CC.PDI.185	Req	<b>Message Type</b> Bytes 01 and 02 shall be set to 0x0050 or 0x0055 as defined in section 3.4.1.	007600 007900 310900																		
Eu.SCI-CC.PDI.186	Req	<b>Sender Identifier</b> The message bytes 03..22 shall contain the technical identifier of the TCS according to section 3.2.	007600 007900 310900																		
Eu.SCI-CC.PDI.187	Req	<b>Receiver Identifier</b> The message bytes 23..42 shall contain the technical identifier of the Subsystem - Electronic Interlocking according to section 3.2.	007600 007900 310900																		
Eu.SCI-CC.PDI.3348	Req	<b>TAN</b> Bytes 43 and 44 shall contain a unique transaction number of the command. If the Message Type is set to 0x0055, the transaction number shall be equal to the transaction number used in the command that is being confirmed (see section 3.4.1).	007600 007900 310900																		
Eu.SCI-CC.PDI.188	Req	<b>Information Type</b> Byte 45 shall be set to 0x87	007600 007900 310900																		
Eu.SCI-CC.PDI.189	Req	<b>Element ID</b> Bytes 46 to 65 shall contain a unique Element identity over which the residual route is set, according to section 3.3.	007600 007900 310900																		
Eu.SCI-CC.PDI.3719	Req	<b>Route preparation instruction</b> Byte 66 shall be set to one of the following values:  value            meaning -----        -----	007600 007900 310900																		
Eu.SCI-CC.PDI.3720	Req	0x01            Cancel element in normal route	007600																		
Eu.SCI-CC.PDI.3723	Req	0x02            Cancel element in prepared route	007600																		
Eu.SCI-CC.PDI.3722	Req	0xFF            Route preparation instruction not applicable	007600 007900 310900																		
Eu.SCI-CC.PDI.1842	Head	<b>3.5.4.4 Command “Apply EC Route Blocking”</b>	999900																		

ID	Type	Requirement		Appl.																				
Eu.SCI-CC.PDI.2250	Info	This telegram refines the InformationFlow "Cd_Apply_EC_Route_Blocking" specified in the requirements specification (ID Eu.CC.1985).																						
Eu.SCI-CC.PDI.1830	Info	Telegram definition for command "Apply EC Route Blocking" <table><tr><th>Byte / Bit</th><th>Content</th></tr><tr><td>00</td><td>Protocol Type: 0x70 (1 Byte binary)</td></tr><tr><td>01..02</td><td>Message Type: 0x0050 or 0X0055 (2 Bytes binary)</td></tr><tr><td>03..22</td><td>Sender: TCS Identifier (20 Bytes text)</td></tr><tr><td>23..42</td><td>Receiver: ILS Identifier (20 Bytes text)</td></tr><tr><td>43..44</td><td>TAN (2 Bytes binary)</td></tr><tr><td>45</td><td>Information Type: 0x94 (1 Byte binary)</td></tr><tr><td>46..65</td><td>Element ID (20 Bytes text)</td></tr><tr><td>66</td><td>Blocking Type (1 Byte binary)</td></tr><tr><td>67..194</td><td>Text (128 Bytes text)</td></tr></table>			Byte / Bit	Content	00	Protocol Type: 0x70 (1 Byte binary)	01..02	Message Type: 0x0050 or 0X0055 (2 Bytes binary)	03..22	Sender: TCS Identifier (20 Bytes text)	23..42	Receiver: ILS Identifier (20 Bytes text)	43..44	TAN (2 Bytes binary)	45	Information Type: 0x94 (1 Byte binary)	46..65	Element ID (20 Bytes text)	66	Blocking Type (1 Byte binary)	67..194	Text (128 Bytes text)
Byte / Bit	Content																							
00	Protocol Type: 0x70 (1 Byte binary)																							
01..02	Message Type: 0x0050 or 0X0055 (2 Bytes binary)																							
03..22	Sender: TCS Identifier (20 Bytes text)																							
23..42	Receiver: ILS Identifier (20 Bytes text)																							
43..44	TAN (2 Bytes binary)																							
45	Information Type: 0x94 (1 Byte binary)																							
46..65	Element ID (20 Bytes text)																							
66	Blocking Type (1 Byte binary)																							
67..194	Text (128 Bytes text)																							
Eu.SCI-CC.PDI.1831	Req	<b>Message Type</b> Bytes 01 and 02 shall be set to 0x0050 or 0x0055 as defined in section 3.4.1.																						
Eu.SCI-CC.PDI.1832	Req	<b>Sender Identifier</b> The message bytes 03..22 shall contain the technical identifier of the TCS according to section 3.2.																						
Eu.SCI-CC.PDI.1833	Req	<b>Receiver Identifier</b> The message bytes 23..42 shall contain the technical identifier of the Subsystem - Electronic Interlocking according to section 3.2.																						
Eu.SCI-CC.PDI.3349	Req	<b>TAN</b> Bytes 43 and 44 shall contain a unique transaction number of the command. If the Message Type is set to 0x0055, the transaction number shall be equal to the transaction number used in the command that is being confirmed (see section 3.4.1).																						
Eu.SCI-CC.PDI.1834	Req	<b>Information Type</b> Byte 45 shall be set to 0x94																						
Eu.SCI-CC.PDI.1835	Req	<b>Element ID</b> Bytes 46 to 65 shall contain a unique element identity according to section 3.3.																						
Eu.SCI-CC.PDI.1836	Req	<b>Blocking Type</b> Byte 66 shall be set to one of the following values: <table><tr><td>value</td><td>meaning</td></tr><tr><td>-----</td><td>-----</td></tr></table>			value	meaning	-----	-----																
value	meaning																							
-----	-----																							
Eu.SCI-CC.PDI.1837	Req	0x01	EC01: No access	999900																				
Eu.SCI-CC.PDI.1838	Req	0x02	EC02: Work track	999900																				
Eu.SCI-CC.PDI.1839	Req	0x03	EC03: Track out of service	999900																				
Eu.SCI-CC.PDI.1840	Req	0x04	EC04: Emergency train	999900																				
Eu.SCI-CC.PDI.1841	Req	0x05	EC05: Secondary vehicle	999900																				
Eu.SCI-CC.PDI.1843	Req	0x06	EC06: Team	999900																				
Eu.SCI-CC.PDI.1844	Req	0x07	EC07: Level crossing	999900																				
Eu.SCI-CC.PDI.1845	Req	0x08	EC08: Vacancy check	999900																				
Eu.SCI-CC.PDI.1846	Req	0x09	EC09: Route check	999900																				
Eu.SCI-CC.PDI.1847	Req	0x10	EC10: No electric trains	999900																				
Eu.SCI-CC.PDI.1848	Req	0x11	EC11: Extraordinary transport	999900																				
Eu.SCI-CC.PDI.1849	Req	0x12	EC12: Protection of a catenary section	999900																				
Eu.SCI-CC.PDI.1850	Req	0x13	EC13: Written order	999900																				
Eu.SCI-CC.PDI.1851	Req	<b>Text</b> Bytes 67 to 194 shall contain text, in accordance with section 2.4, related to the blocking.																						
Eu.SCI-CC.PDI.1852	Head	<b>3.5.4.5 Command "Remove EC Route Blocking"</b>																						

ID	Type	Requirement		Appl.																		
Eu.SCI-CC.PDI.2251	Info	This telegram refines the InformationFlow "Cd_Remove_EC_Route_Blocking" specified in the requirements specification (ID Eu.CC.1988).		999900																		
Eu.SCI-CC.PDI.1853	Info	Telegram definition for command "Remove EC Route Blocking" <table><tr><th>Byte / Bit</th><th>Content</th></tr><tr><td>00</td><td>Protocol Type: 0x70 (1 Byte binary)</td></tr><tr><td>01..02</td><td>Message Type: 0x0050 or 0X0055 (2 Bytes binary)</td></tr><tr><td>03..22</td><td>Sender: TCS Identifier (20 Bytes text)</td></tr><tr><td>23..42</td><td>Receiver: ILS Identifier (20 Bytes text)</td></tr><tr><td>43..44</td><td>TAN (2 Bytes binary)</td></tr><tr><td>45</td><td>Information Type: 0x95 (1 Byte binary)</td></tr><tr><td>46..65</td><td>Element ID (20 Bytes text)</td></tr><tr><td>66</td><td>Blocking Type (1 Byte binary)</td></tr></table>		Byte / Bit	Content	00	Protocol Type: 0x70 (1 Byte binary)	01..02	Message Type: 0x0050 or 0X0055 (2 Bytes binary)	03..22	Sender: TCS Identifier (20 Bytes text)	23..42	Receiver: ILS Identifier (20 Bytes text)	43..44	TAN (2 Bytes binary)	45	Information Type: 0x95 (1 Byte binary)	46..65	Element ID (20 Bytes text)	66	Blocking Type (1 Byte binary)	999900
Byte / Bit	Content																					
00	Protocol Type: 0x70 (1 Byte binary)																					
01..02	Message Type: 0x0050 or 0X0055 (2 Bytes binary)																					
03..22	Sender: TCS Identifier (20 Bytes text)																					
23..42	Receiver: ILS Identifier (20 Bytes text)																					
43..44	TAN (2 Bytes binary)																					
45	Information Type: 0x95 (1 Byte binary)																					
46..65	Element ID (20 Bytes text)																					
66	Blocking Type (1 Byte binary)																					
Eu.SCI-CC.PDI.1854	Req	<b>Message Type</b> Bytes 01 and 02 shall be set to 0x0050 or 0x0055 as defined in section 3.4.1.		999900																		
Eu.SCI-CC.PDI.1855	Req	<b>Sender Identifier</b> The message bytes 03..22 shall contain the technical identifier of the TCS according to section 3.2.		999900																		
Eu.SCI-CC.PDI.1856	Req	<b>Receiver Identifier</b> The message bytes 23..42 shall contain the technical identifier of the Subsystem - Electronic Interlocking according to section 3.2.		999900																		
Eu.SCI-CC.PDI.3350	Req	<b>TAN</b> Bytes 43 and 44 shall contain a unique transaction number of the command. If the Message Type is set to 0x0055, the transaction number shall be equal to the transaction number used in the command that is being confirmed (see section 3.4.1).		999900																		
Eu.SCI-CC.PDI.1857	Req	<b>Information Type</b> Byte 45 shall be set to 0x95		999900																		
Eu.SCI-CC.PDI.1858	Req	<b>Element ID</b> Bytes 46 to 65 shall contain a unique element identity according to section 3.3.		999900																		
Eu.SCI-CC.PDI.1859	Req	<b>Blocking Type</b> Byte 66 shall be set to one of the following values: <table><tr><td>value</td><td>meaning</td></tr><tr><td>-----</td><td>-----</td></tr></table>		value	meaning	-----	-----	999900														
value	meaning																					
-----	-----																					
Eu.SCI-CC.PDI.1860	Req	0x01	EC01: No access	999900																		
Eu.SCI-CC.PDI.1861	Req	0x02	EC02: Work track	999900																		
Eu.SCI-CC.PDI.1862	Req	0x03	EC03: Track out of service	999900																		
Eu.SCI-CC.PDI.1863	Req	0x04	EC04: Emergency train	999900																		
Eu.SCI-CC.PDI.1864	Req	0x05	EC05: Secondary vehicle	999900																		
Eu.SCI-CC.PDI.1865	Req	0x06	EC06: Team	999900																		
Eu.SCI-CC.PDI.1866	Req	0x07	EC07: Level crossing	999900																		
Eu.SCI-CC.PDI.1867	Req	0x08	EC08: Vacancy check	999900																		
Eu.SCI-CC.PDI.1868	Req	0x09	EC09: Route check	999900																		
Eu.SCI-CC.PDI.1869	Req	0x10	EC10: No electric trains	999900																		
Eu.SCI-CC.PDI.1870	Req	0x11	EC11: Extraordinary transport	999900																		
Eu.SCI-CC.PDI.1871	Req	0x12	EC12: Protection of a catenary section	999900																		
Eu.SCI-CC.PDI.1872	Req	0x13	EC13: Written order	999900																		
Eu.SCI-CC.PDI.3967	Head	<b>3.5.4.6 Command “Manage field element PDI connection”</b>		Default																		
Eu.SCI-CC.PDI.3968	Info	This telegram refines the InformationFlow "Cd_Manage_field_element_PDI_connection" specified in the requirements specification (ID Eu.CC.2082).		Default																		
Eu.SCI-CC.PDI.3969	Info	Telegram definition for command “Manage field element PDI connection”		Default																		



ID	Type	Requirement		Appl.																				
		<table><tr><th>Byte / Bit</th><th>Content</th></tr><tr><td>00</td><td>Protocol Type: 0x70 (1 Byte binary)</td></tr><tr><td>01..02</td><td>Message Type: 0x0050 or 0x0055 (2 Bytes binary)</td></tr><tr><td>03..22</td><td>Sender: TCS Identifier (20 Bytes text)</td></tr><tr><td>23..42</td><td>Receiver: ILS Identifier (20 Bytes text)</td></tr><tr><td>43..44</td><td>TAN (2 Bytes binary)</td></tr><tr><td>45</td><td>Information Type: 0x28 (1 Byte binary)</td></tr><tr><td>46..66</td><td>Element ID (20 Bytes text)</td></tr><tr><td>67</td><td>Instruction (1 Byte binary)</td></tr></table>	Byte / Bit	Content	00	Protocol Type: 0x70 (1 Byte binary)	01..02	Message Type: 0x0050 or 0x0055 (2 Bytes binary)	03..22	Sender: TCS Identifier (20 Bytes text)	23..42	Receiver: ILS Identifier (20 Bytes text)	43..44	TAN (2 Bytes binary)	45	Information Type: 0x28 (1 Byte binary)	46..66	Element ID (20 Bytes text)	67	Instruction (1 Byte binary)				
Byte / Bit	Content																							
00	Protocol Type: 0x70 (1 Byte binary)																							
01..02	Message Type: 0x0050 or 0x0055 (2 Bytes binary)																							
03..22	Sender: TCS Identifier (20 Bytes text)																							
23..42	Receiver: ILS Identifier (20 Bytes text)																							
43..44	TAN (2 Bytes binary)																							
45	Information Type: 0x28 (1 Byte binary)																							
46..66	Element ID (20 Bytes text)																							
67	Instruction (1 Byte binary)																							
Eu.SCI-CC.PDI.3970	Req	<b>Message Type</b> Bytes 01 and 02 shall be set to 0x0050 or 0x0055 as defined in section 3.4.1.		Default																				
Eu.SCI-CC.PDI.3971	Req	<b>Sender Identifier</b> The message bytes 03..22 shall contain the technical identifier of the TCS according to section 3.2.		Default																				
Eu.SCI-CC.PDI.3972	Req	<b>Receiver Identifier</b> The message bytes 23..42 shall contain the technical identifier of the Subsystem - Electronic Interlocking according to section 3.2.		Default																				
Eu.SCI-CC.PDI.3973	Req	<b>TAN</b> Bytes 43 and 44 shall contain a unique transaction number of the command.		Default																				
Eu.SCI-CC.PDI.3974	Req	<b>Information Type</b> Byte 45 shall be set to 0x28.		Default																				
Eu.SCI-CC.PDI.3975	Req	<b>Element ID</b> Bytes 46 to 66 shall contain a unique identity according to section 3.3.		Default																				
Eu.SCI-CC.PDI.3976	Req	<b>Instruction</b> Byte 67 shall be set to one of the following values:  value                    meaning -----                -----		Default																				
Eu.SCI-CC.PDI.3977	Req	0x01 Disable or disconnect PDI connection		Default																				
Eu.SCI-CC.PDI.3978	Req	0x02 Enable or connect PDI connection		Default																				
Eu.SCI-CC.PDI.3979	Req	0x03 Release PDI for maintenance		Default																				
Eu.SCI-CC.PDI.3980	Req	0x04 Reset severe error		Default																				
Eu.SCI-CC.PDI.914	Head	<b>3.5.4.7 Message “Raise Alarm Or Alert Or Event”</b>		007000 007001 007600 007900 310900																				
Eu.SCI-CC.PDI.2256	Info	This telegram refines the InformationFlow "Msg_Raise_Alarm_Or_Alert_Or_Event" specified in the requirements specification (ID Eu.CC.1990).		007000 007001 007600 007900 310900																				
Eu.SCI-CC.PDI.915	Info	Telegram definition for status message “Raise Alarm Or Alert Or Event”  <table><tr><th>Byte / Bit</th><th>Content</th></tr><tr><td>00</td><td>Protocol Type: 0x70 (1 Byte binary)</td></tr><tr><td>01..02</td><td>Message Type: 0x0040 (2 Bytes binary)</td></tr><tr><td>03..22</td><td>Sender: ILS Identifier (20 Bytes text)</td></tr><tr><td>23..42</td><td>Receiver: TCS Identifier (20 Bytes text)</td></tr><tr><td>43</td><td>Information Type: 0x21 (1 Byte binary)</td></tr><tr><td>44..63</td><td>Element ID (20 Bytes text)</td></tr><tr><td>64</td><td>Acknowledgement (1 Byte binary)</td></tr><tr><td>65</td><td>Fault Code (1 Byte Binary)</td></tr><tr><td>66..107</td><td>Description (42 Bytes text)</td></tr></table>		Byte / Bit	Content	00	Protocol Type: 0x70 (1 Byte binary)	01..02	Message Type: 0x0040 (2 Bytes binary)	03..22	Sender: ILS Identifier (20 Bytes text)	23..42	Receiver: TCS Identifier (20 Bytes text)	43	Information Type: 0x21 (1 Byte binary)	44..63	Element ID (20 Bytes text)	64	Acknowledgement (1 Byte binary)	65	Fault Code (1 Byte Binary)	66..107	Description (42 Bytes text)	007000 007001 007600 007900 310900
Byte / Bit	Content																							
00	Protocol Type: 0x70 (1 Byte binary)																							
01..02	Message Type: 0x0040 (2 Bytes binary)																							
03..22	Sender: ILS Identifier (20 Bytes text)																							
23..42	Receiver: TCS Identifier (20 Bytes text)																							
43	Information Type: 0x21 (1 Byte binary)																							
44..63	Element ID (20 Bytes text)																							
64	Acknowledgement (1 Byte binary)																							
65	Fault Code (1 Byte Binary)																							
66..107	Description (42 Bytes text)																							
Eu.SCI-CC.PDI.916	Req	<b>Message Type</b> Bytes 01 and 02 shall be set to 0x0040.		007000 007001 007600 007900 310900																				

ID	Type	Requirement	Appl.
Eu.SCI-CC.PDI.917	Req	<b>Sender Identifier</b> The message bytes 03..22 shall contain the technical identifier of the Subsystem - Electronic Interlocking according to section 3.2.	007000 007001 007600 007900 310900
Eu.SCI-CC.PDI.918	Req	<b>Receiver Identifier</b> The message bytes 23..42 shall contain the technical identifier of the TCS according to section 3.2.	007000 007001 007600 007900 310900
Eu.SCI-CC.PDI.919	Req	<b>Information Type</b> The message byte 43 shall be set to 0x21.	007000 007001 007600 007900 310900
Eu.SCI-CC.PDI.920	Req	<b>Element ID</b> Bytes 44..63 shall contain the Element identity related to the raised alarm/alert, according to section 3.3.	007000 007001 007600 007900 310900
Eu.SCI-CC.PDI.921	Req	<b>Acknowledgement</b> The message byte 64 shall be set to one of the following values:  value            meaning -----  	007000 007001 007600 007900 310900
Eu.SCI-CC.PDI.922	Req	0x01            sender does not require acknowledgement	007000 007001 007900 310900
Eu.SCI-CC.PDI.923	Req	0x02            sender requires acknowledgement	007000 007001 007900 310900
Eu.SCI-CC.PDI.924	Req	0x03            previously raised alarm or alert is cleared	007000 007001 007900 310900
Eu.SCI-CC.PDI.2699	Req	0xFF            Acknowledgement not applicable	007600
Eu.SCI-CC.PDI.925	Req	<b>Fault Code</b> The message byte 65 shall be set to one of the following values:  value            meaning -----  	007000 007001 007600 007900 310900
Eu.SCI-CC.PDI.926	Req	0x01            general non-critical failure	007000 007900 310900
Eu.SCI-CC.PDI.927	Req	0x02            general critical failure	007000 007900 310900
Eu.SCI-CC.PDI.928	Req	0x03            out-of-sequence TVP operation	007000
Eu.SCI-CC.PDI.929	Req	0x04            self-restoring points failed to restore	007000
Eu.SCI-CC.PDI.930	Req	0x05            a railway vehicle is not able to deregister correctly	007000 007600
Eu.SCI-CC.PDI.931	Req	0x06            identity of train with lost communication	007000
Eu.SCI-CC.PDI.932	Req	0x07            failure of one of the subsystems of the interlocking system	999900

ID	Type	Requirement		Appl.
Eu.SCI-CC.PDI.933	Req	0x08	external power supply OK	007000 007900 310900
Eu.SCI-CC.PDI.934	Req	0x09	external power supply failure detected	007000 007900 310900
Eu.SCI-CC.PDI.935	Req	0x0A	back-up power supply OK	007000 007900 310900
Eu.SCI-CC.PDI.936	Req	0x0B	back-up power supply failure detected	007000 007900 310900
Eu.SCI-CC.PDI.937	Req	0x0C	earth leakage detected	007000 007900 310900
Eu.SCI-CC.PDI.938	Req	0x0D	earth leakage detection device disturbed	007900 310900
Eu.SCI-CC.PDI.939	Req	0x0E	fan failure	007900
Eu.SCI-CC.PDI.940	Req	0x0F	non-critical failure of the power supply	999900
Eu.SCI-CC.PDI.941	Req	0x10	critical failure of the power supply	999900
Eu.SCI-CC.PDI.942	Req	0x11	loss of power is imminent	999900
Eu.SCI-CC.PDI.943	Req	0x12	unable to lock the point or derailer in a requested route	999900
Eu.SCI-CC.PDI.4092	Req	0x13	OD in order	007000
Eu.SCI-CC.PDI.4093	Req	0x14	OD fault	007000
Eu.SCI-CC.PDI.4094	Req	0x15	OD failed	007000
Eu.SCI-CC.PDI.4095	Req	0x16	BOD in order	007000
Eu.SCI-CC.PDI.4096	Req	0x17	BOD failed	007000
Eu.SCI-CC.PDI.945	Req	0x80..0xFE	defined by national requirements	007000 007001 007600 007900 310900
Eu.SCI-CC.PDI.946	Req	<b>Description</b> The message bytes 66 to 107 shall contain a text description, in accordance with section 2.4, related to the raised alarm/alert.		007000 007001 007600 007900 310900
Eu.SCI-CC.PDI.1873	Head	<b>3.5.4.8 Message “EC Blocking Text”</b>		999900
Eu.SCI-CC.PDI.2252	Info	This telegram refines the InformationFlow "Msg_EC_Blocking_Text" specified in the requirements specification (ID Eu.CC.1989).		999900
Eu.SCI-CC.PDI.1874	Info	Telegram definition for status message “EC Blocking Text”		999900

ID	Type	Requirement		Appl.																	
		<table><tr><th>Byte / Bit</th><th>Content</th></tr><tr><td>00</td><td>Protocol Type: 0x70 (1 Byte binary)</td></tr><tr><td>01..02</td><td>Message Type: 0x0040 (2 Bytes binary)</td></tr><tr><td>03..22</td><td>Sender: ILS Identifier (20 Bytes text)</td></tr><tr><td>23..42</td><td>Receiver: TCS Identifier (20 Bytes text)</td></tr><tr><td>43</td><td>Information Type: 0x26 (1 Byte binary)</td></tr><tr><td>44..63</td><td>Element ID (20 Bytes text)</td></tr><tr><td>64</td><td>Blocking Type (1 Byte binary)</td></tr><tr><td>65..192</td><td>Text (128 Bytes text)</td></tr></table>	Byte / Bit	Content	00	Protocol Type: 0x70 (1 Byte binary)	01..02	Message Type: 0x0040 (2 Bytes binary)	03..22	Sender: ILS Identifier (20 Bytes text)	23..42	Receiver: TCS Identifier (20 Bytes text)	43	Information Type: 0x26 (1 Byte binary)	44..63	Element ID (20 Bytes text)	64	Blocking Type (1 Byte binary)	65..192	Text (128 Bytes text)	
Byte / Bit	Content																				
00	Protocol Type: 0x70 (1 Byte binary)																				
01..02	Message Type: 0x0040 (2 Bytes binary)																				
03..22	Sender: ILS Identifier (20 Bytes text)																				
23..42	Receiver: TCS Identifier (20 Bytes text)																				
43	Information Type: 0x26 (1 Byte binary)																				
44..63	Element ID (20 Bytes text)																				
64	Blocking Type (1 Byte binary)																				
65..192	Text (128 Bytes text)																				
Eu.SCI-CC.PDI.1875	Req	<b>Message Type</b> Bytes 01 and 02 shall be set to 0x0040.		999900																	
Eu.SCI-CC.PDI.1876	Req	<b>Sender Identifier</b> The message bytes 03..22 shall contain the technical identifier of the Subsystem - Electronic Interlocking according to section 3.2.		999900																	
Eu.SCI-CC.PDI.1877	Req	<b>Receiver Identifier</b> The message bytes 23..42 shall contain the technical identifier of the TCS according to section 3.2.		999900																	
Eu.SCI-CC.PDI.1878	Req	<b>Information Type</b> The message byte 43 shall be set to 0x26.		999900																	
Eu.SCI-CC.PDI.1879	Req	<b>Element ID</b> Bytes 44 to 63 shall contain a unique element identity according to section 3.3.		999900																	
Eu.SCI-CC.PDI.2134	Req	<b>Blocking Type</b> Byte 64 shall be set to one of the following values:  <table><tr><td>value</td><td>meaning</td></tr><tr><td>-----</td><td>-----</td></tr></table>		value	meaning	-----	-----	999900													
value	meaning																				
-----	-----																				
Eu.SCI-CC.PDI.2135	Req	0x01	EC01: No access	999900																	
Eu.SCI-CC.PDI.2136	Req	0x02	EC02: Work track	999900																	
Eu.SCI-CC.PDI.2137	Req	0x03	EC03: Track out of service	999900																	
Eu.SCI-CC.PDI.2138	Req	0x04	EC04: Emergency train	999900																	
Eu.SCI-CC.PDI.2139	Req	0x05	EC05: Secondary vehicle	999900																	
Eu.SCI-CC.PDI.2140	Req	0x06	EC06: Team	999900																	
Eu.SCI-CC.PDI.2141	Req	0x07	EC07: Level crossing	999900																	
Eu.SCI-CC.PDI.2142	Req	0x08	EC08: Vacancy check	999900																	
Eu.SCI-CC.PDI.2143	Req	0x09	EC09: Route check	999900																	
Eu.SCI-CC.PDI.2144	Req	0x10	EC10: No electric trains	999900																	
Eu.SCI-CC.PDI.2145	Req	0x11	EC11: Extraordinary transport	999900																	
Eu.SCI-CC.PDI.2146	Req	0x12	EC12: Protection of a catenary section	999900																	
Eu.SCI-CC.PDI.2147	Req	0x13	EC13: Written order	999900																	
Eu.SCI-CC.PDI.1918	Req	<b>Text</b> Bytes 65 to 192 shall contain text, in accordance with section 2.4, related Blocking Type.		999900																	
Eu.SCI-CC.PDI.3641	Head	<b>3.5.4.9 Message “Released Status”</b>		007600																	
Eu.SCI-CC.PDI.3664	Info	This telegram refines the InformationFlow "Msg_Released_Status" specified in the requirements specification (ID Eu.CC.1991).		007600																	
Eu.SCI-CC.PDI.3643	Info	Telegram definition for status message “Released Status”		007600																	

ID	Type	Requirement		Appl.																
		<table><tr><th>Byte / Bit</th><th>Content</th></tr><tr><td>00</td><td>Protocol Type: 0x70 (1 Byte binary)</td></tr><tr><td>01..02</td><td>Message Type: 0x40 (2 Bytes binary)</td></tr><tr><td>03..22</td><td>Sender Identifier (20 Bytes text)</td></tr><tr><td>23..42</td><td>Receiver Identifier (20 Bytes text)</td></tr><tr><td>43</td><td>Information Type: 0x91 (1 Byte binary)</td></tr><tr><td>44</td><td>Status (1 Bytes binary)</td></tr></table>	Byte / Bit	Content	00	Protocol Type: 0x70 (1 Byte binary)	01..02	Message Type: 0x40 (2 Bytes binary)	03..22	Sender Identifier (20 Bytes text)	23..42	Receiver Identifier (20 Bytes text)	43	Information Type: 0x91 (1 Byte binary)	44	Status (1 Bytes binary)				
Byte / Bit	Content																			
00	Protocol Type: 0x70 (1 Byte binary)																			
01..02	Message Type: 0x40 (2 Bytes binary)																			
03..22	Sender Identifier (20 Bytes text)																			
23..42	Receiver Identifier (20 Bytes text)																			
43	Information Type: 0x91 (1 Byte binary)																			
44	Status (1 Bytes binary)																			
Eu.SCI-CC.PDI.3644	Req	<b>Message Type</b> Bytes 01 and 02 shall be set to 0x0040.		007600																
Eu.SCI-CC.PDI.3645	Req	<b>Sender Identifier</b> The message bytes 03..22 shall contain the technical identifier of the Subsystem - Electronic Interlocking according to section 3.2.		007600																
Eu.SCI-CC.PDI.3646	Req	<b>Receiver Identifier</b> The message bytes 23..42 shall contain the technical identifier of the TCS according to section 3.2.		007600																
Eu.SCI-CC.PDI.3647	Req	<b>Information Type</b> The message byte 43 shall be set to 0x91.		007600																
Eu.SCI-CC.PDI.3648	Req	<b>Status</b> The status byte 44 shall be set to one of the following values:  <table><tr><td>value</td><td>meaning</td></tr><tr><td>-----</td><td>-----</td></tr></table>		value	meaning	-----	-----	007600												
value	meaning																			
-----	-----																			
Eu.SCI-CC.PDI.3650	Req	0x01	Not released for normal operation	007600																
Eu.SCI-CC.PDI.3651	Req	0x02	Released for normal operation	007600																
Eu.SCI-CC.PDI.3981	Head	<b>3.5.4.10 Message “Field element PDI connection status”</b>		007000 007001 007900 310900																
Eu.SCI-CC.PDI.3982	Info	This telegram refines the InformationFlow "Msg_Field_element_PDI_connection_status" specified in the requirements specification (ID Eu.CC.2083).		007000 007001 007900 310900																
Eu.SCI-CC.PDI.3983	Info	Telegram definition for status message “Field element PDI connection status”  <table><tr><th>Byte / Bit</th><th>Content</th></tr><tr><td>00</td><td>Protocol Type: 0x70 (1 Byte binary)</td></tr><tr><td>01..02</td><td>Message Type: 0x0040 (2 Bytes binary)</td></tr><tr><td>03..22</td><td>Sender: ILS Identifier (20 Bytes text)</td></tr><tr><td>23..42</td><td>Receiver: TCS Identifier (20 Bytes text)</td></tr><tr><td>43</td><td>Information Type: 0x29 (1 Byte binary)</td></tr><tr><td>44..63</td><td>Element ID (20 Bytes text)</td></tr><tr><td>64</td><td>PDI connection status (1 Byte binary)</td></tr></table>		Byte / Bit	Content	00	Protocol Type: 0x70 (1 Byte binary)	01..02	Message Type: 0x0040 (2 Bytes binary)	03..22	Sender: ILS Identifier (20 Bytes text)	23..42	Receiver: TCS Identifier (20 Bytes text)	43	Information Type: 0x29 (1 Byte binary)	44..63	Element ID (20 Bytes text)	64	PDI connection status (1 Byte binary)	007000 007001 007900 310900
Byte / Bit	Content																			
00	Protocol Type: 0x70 (1 Byte binary)																			
01..02	Message Type: 0x0040 (2 Bytes binary)																			
03..22	Sender: ILS Identifier (20 Bytes text)																			
23..42	Receiver: TCS Identifier (20 Bytes text)																			
43	Information Type: 0x29 (1 Byte binary)																			
44..63	Element ID (20 Bytes text)																			
64	PDI connection status (1 Byte binary)																			
Eu.SCI-CC.PDI.3984	Req	<b>Message Type</b> Bytes 01 and 02 shall be set to 0x0040.		007000 007001 007900 310900																
Eu.SCI-CC.PDI.3985	Req	<b>Sender Identifier</b> The message bytes 03..22 shall contain the technical identifier of the Subsystem - Electronic Interlocking according to section 3.2.		007000 007001 007900 310900																
Eu.SCI-CC.PDI.3986	Req	<b>Receiver Identifier</b> The message bytes 23..42 shall contain the technical identifier of the TCS according to section 3.2.		007000 007001 007900 310900																
Eu.SCI-CC.PDI.3987	Req	<b>Information Type</b> Byte 43 shall be set to 0x29.		007000 007001 007900 310900																

ID	Type	Requirement	Appl.																		
Eu.SCI-CC.PDI.3988	Req	<b>Element ID</b> Bytes 44 to 63 shall contain a unique Route identity according to section 3.3.	007000 007001 007900 310900																		
Eu.SCI-CC.PDI.4034	Req	<b>PDI connection status</b> Byte 64 shall be set to one of the following values:  value                    meaning -----                -----	007000 007001 007900 310900																		
Eu.SCI-CC.PDI.4035	Req	0x01 Disconnected, no SCP	007000 007001 007900 310900																		
Eu.SCI-CC.PDI.4036	Req	0x02 Disconnected	007000 007001 007900 310900																		
Eu.SCI-CC.PDI.4037	Req	0x03 Requested, no SCP	007000 007001 007900 310900																		
Eu.SCI-CC.PDI.4038	Req	0x04 Impermissible, no SCP	007000 007001 007900 310900																		
Eu.SCI-CC.PDI.4039	Req	0x05 Impermissible	007000 007001 007900 310900																		
Eu.SCI-CC.PDI.4040	Req	0x06 Establishing	007000 007001 007900 310900																		
Eu.SCI-CC.PDI.4041	Req	0x07 Established	007000 007001 007900 310900																		
Eu.SCI-CC.PDI.4042	Req	0x08 Suspended	007000 007001 007900 310900																		
Eu.SCI-CC.PDI.3147	Head	<b>3.5.5 Signal functions</b>	Default																		
Eu.SCI-CC.PDI.298	Head	<b>3.5.5.1 Command “Manage A Signal / Signalling Point / Area”</b>	007000 007600 007900 310900																		
Eu.SCI-CC.PDI.2218	Info	This telegram refines the InformationFlow "Cd_Manage_A_Signal/_Signalling_Point/_Area" specified in the requirements specification (ID Eu.CC.2055).	007000 007600 007900 310900																		
Eu.SCI-CC.PDI.299	Info	Telegram definition for command “Manage A Signal / Signalling Point / Area” <table><tr><th>Byte / Bit</th><th>Content</th></tr><tr><td>00</td><td>Protocol Type: 0x70 (1 Byte binary)</td></tr><tr><td>01..02</td><td>Message Type: 0x0050 or 0X0055 (2 Bytes binary)</td></tr><tr><td>03..22</td><td>Sender: TCS Identifier (20 Bytes text)</td></tr><tr><td>23..42</td><td>Receiver: ILS Identifier (20 Bytes text)</td></tr><tr><td>43..44</td><td>TAN (2 Bytes binary)</td></tr><tr><td>45</td><td>Information Type: 0x21 (1 Byte binary)</td></tr><tr><td>46..65</td><td>Signal / Signalling Point ID or Signal Area ID (20 Bytes text)</td></tr><tr><td>66</td><td>Instruction (1 Byte binary)</td></tr></table>	Byte / Bit	Content	00	Protocol Type: 0x70 (1 Byte binary)	01..02	Message Type: 0x0050 or 0X0055 (2 Bytes binary)	03..22	Sender: TCS Identifier (20 Bytes text)	23..42	Receiver: ILS Identifier (20 Bytes text)	43..44	TAN (2 Bytes binary)	45	Information Type: 0x21 (1 Byte binary)	46..65	Signal / Signalling Point ID or Signal Area ID (20 Bytes text)	66	Instruction (1 Byte binary)	007000 007600 007900 310900
Byte / Bit	Content																				
00	Protocol Type: 0x70 (1 Byte binary)																				
01..02	Message Type: 0x0050 or 0X0055 (2 Bytes binary)																				
03..22	Sender: TCS Identifier (20 Bytes text)																				
23..42	Receiver: ILS Identifier (20 Bytes text)																				
43..44	TAN (2 Bytes binary)																				
45	Information Type: 0x21 (1 Byte binary)																				
46..65	Signal / Signalling Point ID or Signal Area ID (20 Bytes text)																				
66	Instruction (1 Byte binary)																				

ID	Type	Requirement	Appl.
Eu.SCI-CC.PDI.300	Req	<b>Message Type</b> Bytes 01 and 02 shall be set to 0x0050 or 0x0055 as defined in section 3.4.1.	007000 007600 007900 310900
Eu.SCI-CC.PDI.301	Req	<b>Sender Identifier</b> The message bytes 03..22 shall contain the technical identifier of the TCS according to section 3.2.	007000 007600 007900 310900
Eu.SCI-CC.PDI.302	Req	<b>Receiver Identifier</b> The message bytes 23..42 shall contain the technical identifier of the Subsystem - Electronic Interlocking according to section 3.2.	007000 007600 007900 310900
Eu.SCI-CC.PDI.3351	Req	<b>TAN</b> Bytes 43 and 44 shall contain a unique transaction number of the command. If the Message Type is set to 0x0055, the transaction number shall be equal to the transaction number used in the command that is being confirmed (see section 3.4.1).	007000 007600 007900 310900
Eu.SCI-CC.PDI.303	Req	<b>Information Type</b> Byte 45 shall be set to 0x21	007000 007600 007900 310900
Eu.SCI-CC.PDI.304	Req	<b>Signal / Signalling Point ID or Signal Area ID</b> Bytes 46 to 65 shall contain a unique Signal / Signalling Point identity or Signal Area identity according to section 3.3.	007000 007600 007900 310900
Eu.SCI-CC.PDI.305	Req	<b>Instruction</b> Byte 66 shall be set to one of the following values: value            meaning -----        -----	007000 007600 007900 310900
Eu.SCI-CC.PDI.306	Req	0x01            block signal/signalling point for route setting	007000 310900
Eu.SCI-CC.PDI.307	Req	0x02            unblock signal/signalling point for route setting	007000 310900
Eu.SCI-CC.PDI.308	Req	0x03            block signal/signalling point at stop aspect (all trains)	007000 007600 007900 310900
Eu.SCI-CC.PDI.309	Req	0x04            unblock signal/signalling point at stop aspect (all trains)	007000 007600 007900 310900
Eu.SCI-CC.PDI.310	Req	0x05            block signal/signalling point at stop aspect (electric trains)	007000
Eu.SCI-CC.PDI.311	Req	0x06            unblock signal/signalling point at stop aspect (electric trains)	007000
Eu.SCI-CC.PDI.312	Req	0x07            block signal/signalling point as a destination	007900
Eu.SCI-CC.PDI.313	Req	0x08            unblock signal/signalling point as a destination	007900
Eu.SCI-CC.PDI.314	Req	0x09            block signal/signalling point for route setting (electric trains only)	007000
Eu.SCI-CC.PDI.315	Req	0x0A            unblock signal/signalling point for route setting (electric trains only)	007000
Eu.SCI-CC.PDI.316	Req	0x0B            enable ARS for this signal	007900
Eu.SCI-CC.PDI.317	Req	0x0C            disable ARS for this signal	007900
Eu.SCI-CC.PDI.318	Req	0x0D            set signal back to "local shunting aspect"	310900

ID	Type	Requirement		Appl.																		
Eu.SCI-CC.PDI.319	Req	0x0E	re-clear Signal	007000 007900 310900																		
Eu.SCI-CC.PDI.320	Req	0x0F	set signal to automatic mode	007000 007900																		
Eu.SCI-CC.PDI.321	Req	0x10	cancel signal from automatic mode	007000 007900																		
Eu.SCI-CC.PDI.322	Req	0x11	block Set signal to automatic mode command (all trains)	007000																		
Eu.SCI-CC.PDI.323	Req	0x12	unblock Set signal to automatic mode command (all trains)	007000																		
Eu.SCI-CC.PDI.324	Req	0x13	block Set signal to automatic mode command (electric trains only)	007000																		
Eu.SCI-CC.PDI.325	Req	0x14	unblock Set signal to automatic mode command (electric trains only)	007000																		
Eu.SCI-CC.PDI.326	Req	0x15	activate departure indicator	007900																		
Eu.SCI-CC.PDI.327	Req	0x16	set luminosity to Day mode	007900 310900																		
Eu.SCI-CC.PDI.328	Req	0x17	set luminosity to Night mode	007900 310900																		
Eu.SCI-CC.PDI.329	Req	0x18	set luminosity to Automatic mode	007900 310900																		
Eu.SCI-CC.PDI.330	Req	0x19	set luminosity to Manual mode	007900 310900																		
Eu.SCI-CC.PDI.457	Head	3.5.5.2 Command “Manage Overrun Detection”		007000																		
Eu.SCI-CC.PDI.2226	Info	This telegram refines the InformationFlow "Cd_Manage_Overrun_Detection" specified in the requirements specification (ID Eu.CC.2056).		007000																		
Eu.SCI-CC.PDI.458	Info	Telegram definition for command “Manage Overrun Detection” <table><tr><th>Byte / Bit</th><th>Content</th></tr><tr><td>00</td><td>Protocol Type: 0x70 (1 Byte binary)</td></tr><tr><td>01..02</td><td>Message Type: 0x0050 or 0X0055 (2 Bytes binary)</td></tr><tr><td>03..22</td><td>Sender: TCS Identifier (20 Bytes text)</td></tr><tr><td>23..42</td><td>Receiver: ILS Identifier (20 Bytes text)</td></tr><tr><td>43..44</td><td>TAN (2 Bytes binary)</td></tr><tr><td>45</td><td>Information Type: 0x58 (1 Byte binary)</td></tr><tr><td>46..65</td><td>Signal / Signalling Point ID or Signal Area ID (20 Bytes text)</td></tr><tr><td>66</td><td>Instruction (1 Byte binary)</td></tr></table>		Byte / Bit	Content	00	Protocol Type: 0x70 (1 Byte binary)	01..02	Message Type: 0x0050 or 0X0055 (2 Bytes binary)	03..22	Sender: TCS Identifier (20 Bytes text)	23..42	Receiver: ILS Identifier (20 Bytes text)	43..44	TAN (2 Bytes binary)	45	Information Type: 0x58 (1 Byte binary)	46..65	Signal / Signalling Point ID or Signal Area ID (20 Bytes text)	66	Instruction (1 Byte binary)	007000
Byte / Bit	Content																					
00	Protocol Type: 0x70 (1 Byte binary)																					
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23..42	Receiver: ILS Identifier (20 Bytes text)																					
43..44	TAN (2 Bytes binary)																					
45	Information Type: 0x58 (1 Byte binary)																					
46..65	Signal / Signalling Point ID or Signal Area ID (20 Bytes text)																					
66	Instruction (1 Byte binary)																					
Eu.SCI-CC.PDI.459	Req	Message Type Bytes 01 and 02 shall be set to 0x0050 or 0x0055 as defined in section 3.4.1.		007000																		
Eu.SCI-CC.PDI.460	Req	Sender Identifier The message bytes 03..22 shall contain the technical identifier of the TCS according to section 3.2.		007000																		
Eu.SCI-CC.PDI.461	Req	Receiver Identifier The message bytes 23..42 shall contain the technical identifier of the Subsystem - Electronic Interlocking according to section 3.2.		007000																		
Eu.SCI-CC.PDI.3352	Req	TAN Bytes 43 and 44 shall contain a unique transaction number of the command. If the Message Type is set to 0x0055, the transaction number shall be equal to the transaction number used in the command that is being confirmed (see section 3.4.1).		007000																		
Eu.SCI-CC.PDI.462	Req	Information Type Byte 45 shall be set to 0x58.		007000																		
Eu.SCI-CC.PDI.467	Req	Signal / Signalling Point ID or Signal Area ID Bytes 46 to 65 shall contain a unique Signal identity according to section 3.3.		007000																		
Eu.SCI-CC.PDI.463	Req	Instruction Byte 66 shall be set to one of the following values:  value                    meaning -----                -----		007000																		



ID	Type	Requirement		Appl.																																																																																
Eu.SCI-CC.PDI.464	Req	0x01	apply inhibit	007000																																																																																
Eu.SCI-CC.PDI.465	Req	0x02	remove inhibit	007000																																																																																
Eu.SCI-CC.PDI.466	Req	0x03	resume control following overrun	007000																																																																																
Eu.SCI-CC.PDI.824	Head	3.5.5.3 Message “Signal Status”		Default																																																																																
Eu.SCI-CC.PDI.2254	Info	This telegram refines the InformationFlow "Msg_Signal_Status" specified in the requirements specification (ID Eu.CC.2058).		Default																																																																																
Eu.SCI-CC.PDI.825	Info	Telegram definition for status message “Signal Status” <table><tr><th>Byte / Bit</th><th>Content</th></tr><tr><td>00</td><td>Protocol Type: 0x70 (1 Byte binary)</td></tr><tr><td>01..02</td><td>Message Type: 0x0040 (2 Bytes binary)</td></tr><tr><td>03..22</td><td>Sender: ILS Identifier (20 Bytes text)</td></tr><tr><td>23..42</td><td>Receiver: TCS Identifier (20 Bytes text)</td></tr><tr><td>43</td><td>Information Type: 0x05 (1 Byte binary)</td></tr><tr><td>44..63</td><td>Signal / Signalling Point ID (20 Bytes text)</td></tr><tr><td>64</td><td>Active Control (1 Byte binary)</td></tr><tr><td>65</td><td>State (1 Byte binary)</td></tr><tr><td>66</td><td>code for basic aspect types (1 Byte binary)</td></tr><tr><td>67</td><td>code for extension of basic aspect types (1 Byte binary)</td></tr><tr><td>68</td><td>speed indicators (1 Byte binary)</td></tr><tr><td>69</td><td>speed announcements (1 Byte binary)</td></tr><tr><td>70</td><td>direction indicators (1 Byte binary)</td></tr><tr><td>71</td><td>direction announcements (1 Byte binary)</td></tr><tr><td>72</td><td>downgrade information (1 Byte binary)</td></tr><tr><td>73</td><td>route information (1 Byte binary)</td></tr><tr><td>74</td><td>Intentionally dark (1 Byte binary)</td></tr><tr><td>75..83</td><td>Specified by national requirements (9 Bytes binary)</td></tr><tr><td>84</td><td>Reason for Signal going to Stop (1 Byte binary)</td></tr><tr><td>85</td><td>Aspect Control (1 Byte binary)</td></tr><tr><td>86</td><td>Cancel Confirmation (1 Byte binary)</td></tr><tr><td>87</td><td>Automatic Mode (1 Byte binary)</td></tr><tr><td>88</td><td>Flank Protection (1 Byte binary)</td></tr><tr><td>89</td><td>Fragmented (1 Byte binary)</td></tr><tr><td>90</td><td>Speed Restricted (1 Byte binary)</td></tr><tr><td>91</td><td>Permission (1 Byte binary)</td></tr><tr><td>92</td><td>Lamp State (1 Byte binary)</td></tr><tr><td>93</td><td>Failed Lamp Position (1 Byte binary)</td></tr><tr><td>94</td><td>Automatic Route Setting (1 Byte binary)</td></tr><tr><td>95</td><td>Train Protection / Warning System (1 Byte binary)</td></tr><tr><td>96</td><td>Blocked against route setting (1 Byte binary)</td></tr><tr><td>97</td><td>Blocked in stop (1 Byte binary)</td></tr><tr><td>98</td><td>Inhibit overrun direction (1 Byte binary)</td></tr><tr><td>99</td><td>Route Start Type (1 Byte binary)</td></tr><tr><td>100</td><td>Route End Type (1 Byte binary)</td></tr><tr><td>101</td><td>Route Release Timer (1 Byte binary)</td></tr><tr><td>102</td><td>Preparation Timer (1 Byte binary)</td></tr><tr><td>103</td><td>Prepared Route Type Start (1 Byte binary)</td></tr><tr><td>104</td><td>Prepared Route Type End (1 Byte binary)</td></tr></table>		Byte / Bit	Content	00	Protocol Type: 0x70 (1 Byte binary)	01..02	Message Type: 0x0040 (2 Bytes binary)	03..22	Sender: ILS Identifier (20 Bytes text)	23..42	Receiver: TCS Identifier (20 Bytes text)	43	Information Type: 0x05 (1 Byte binary)	44..63	Signal / Signalling Point ID (20 Bytes text)	64	Active Control (1 Byte binary)	65	State (1 Byte binary)	66	code for basic aspect types (1 Byte binary)	67	code for extension of basic aspect types (1 Byte binary)	68	speed indicators (1 Byte binary)	69	speed announcements (1 Byte binary)	70	direction indicators (1 Byte binary)	71	direction announcements (1 Byte binary)	72	downgrade information (1 Byte binary)	73	route information (1 Byte binary)	74	Intentionally dark (1 Byte binary)	75..83	Specified by national requirements (9 Bytes binary)	84	Reason for Signal going to Stop (1 Byte binary)	85	Aspect Control (1 Byte binary)	86	Cancel Confirmation (1 Byte binary)	87	Automatic Mode (1 Byte binary)	88	Flank Protection (1 Byte binary)	89	Fragmented (1 Byte binary)	90	Speed Restricted (1 Byte binary)	91	Permission (1 Byte binary)	92	Lamp State (1 Byte binary)	93	Failed Lamp Position (1 Byte binary)	94	Automatic Route Setting (1 Byte binary)	95	Train Protection / Warning System (1 Byte binary)	96	Blocked against route setting (1 Byte binary)	97	Blocked in stop (1 Byte binary)	98	Inhibit overrun direction (1 Byte binary)	99	Route Start Type (1 Byte binary)	100	Route End Type (1 Byte binary)	101	Route Release Timer (1 Byte binary)	102	Preparation Timer (1 Byte binary)	103	Prepared Route Type Start (1 Byte binary)	104	Prepared Route Type End (1 Byte binary)	Default
Byte / Bit	Content																																																																																			
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103	Prepared Route Type Start (1 Byte binary)																																																																																			
104	Prepared Route Type End (1 Byte binary)																																																																																			
Eu.SCI-CC.PDI.826	Req	Message Type Bytes 01 and 02 shall be set to 0x0040.		Default																																																																																
Eu.SCI-CC.PDI.827	Req	Sender Identifier The message bytes 03..22 shall contain the technical identifier of the Subsystem - Electronic Interlocking according to section 3.2.		Default																																																																																
Eu.SCI-CC.PDI.828	Req	Receiver Identifier The message bytes 23..42 shall contain the technical identifier of the TCS according to section 3.2.		Default																																																																																
Eu.SCI-CC.PDI.829	Req	Information Type Byte 43 shall be set to 0x05.		Default																																																																																
Eu.SCI-CC.PDI.830	Req	Signal / Signalling Point ID Bytes 44 to 63 shall contain a unique Signal or Signalling Point identity according to section 3.3.		Default																																																																																
Eu.SCI-CC.PDI.2786	Req	Active Control Byte 64 shall be set to one of the following values: <table><tr><td>value</td><td>meaning</td></tr><tr><td>-----</td><td>-----</td></tr></table>		value	meaning	-----	-----	Default																																																																												
value	meaning																																																																																			
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Eu.SCI-CC.PDI.2787	Req	0x01	not in active control	Default																																																																																

ID	Type	Requirement	Appl.
Eu.SCI-CC.PDI.2788	Req	0x02 in active control	Default
Eu.SCI-CC.PDI.836	Info	Note: When byte 64 is set to 0x01 then the information contained within this telegram should be considered as “last known”.	Default
Eu.SCI-CC.PDI.831	Req	<b>State</b> The message byte 65 shall be set to one of the following values:  value meaning ----- 	Default
Eu.SCI-CC.PDI.832	Req	0x01 dark due to a failure	007000 007900 008700 310900
Eu.SCI-CC.PDI.833	Req	0xFF State not applicable	Default
Eu.SCI-CC.PDI.837	Req	<b>code for basic aspect types</b> (see [Eu.Doc.37]) The message byte 66 shall contain the lamp combinations for the basic aspect types, including main, distant and shunting aspects.	Default
Eu.SCI-CC.PDI.840	Req	<b>code for extension of basic aspect types</b> (See [Eu.Doc.37]) The message byte 67 shall contain the lamp combinations for the extension of the basic aspects, such as indication of route to opposite track or route without an overlap.	Default
Eu.SCI-CC.PDI.843	Req	<b>speed indicators</b> (See [Eu.Doc.37]) The message byte 68 shall contain the speed indicators.	Default
Eu.SCI-CC.PDI.846	Req	<b>speed announcements</b> (See [Eu.Doc.37]) The message byte 69 shall contain the speed indication announcements.	Default
Eu.SCI-CC.PDI.849	Req	<b>direction indicators</b> (See [Eu.Doc.37]) The message byte 70 shall contain the direction indicators.	Default
Eu.SCI-CC.PDI.855	Req	<b>direction announcements</b> (See [Eu.Doc.37]) The message byte 71 shall contain the direction indicator announcements.	Default
Eu.SCI-CC.PDI.858	Req	<b>downgrade information</b> The message byte 72 shall contain the downgrade information. Permitted values:  value meaning ----- 	Default
Eu.SCI-CC.PDI.2639	Req	0xFF Downgrade information not applicable.	Default
Eu.SCI-CC.PDI.861	Req	<b>route information</b> The message byte 73 shall contain the route information. Permitted values for the low half-byte:  value meaning ----- 	Default
Eu.SCI-CC.PDI.4113		0x01..0xFD Defined by national specifications. Note: In future phases of the System Pillar, national specifications will be replaced by harmonised specifications.	Default
Eu.SCI-CC.PDI.4114	Req	0xFE No route information.	Default
Eu.SCI-CC.PDI.4115	Req	0xFF Route information not applicable.	Default
Eu.SCI-CC.PDI.865	Req	<b>Signal Aspect intentionally dark</b> The message byte 74 shall contain the Signal Aspect intentionally dark. Permitted values:  value meaning ----- 	Default
Eu.SCI-CC.PDI.2349	Req	0xFF Intentionally dark not applicable.	Default
Eu.SCI-CC.PDI.867	Req	<b>Specified by national requirements</b> The message bytes 75 to 83 shall contain national specified requirements. Permitted values for each byte:  value meaning ----- 	Default
Eu.SCI-CC.PDI.868	Req	0x01..0xFD Specified by national specifications	Default
Eu.SCI-CC.PDI.869	Req	0xFE No information	Default
Eu.SCI-CC.PDI.3404	Req	<b>Reason for Signal going to Stop</b> The message byte 84 shall be set to one of the following values:  value meaning ----- 	Default
Eu.SCI-CC.PDI.3405	Req	0x01 regular stop	007600 310900

ID	Type	Requirement	Appl.
Eu.SCI-CC.PDI.3406	Req	0x02            stop by operator	007600 310900
Eu.SCI-CC.PDI.3408	Req	0x03            monitoring fault	007600 310900
Eu.SCI-CC.PDI.3409	Req	0xFE            no reason	007600 310900
Eu.SCI-CC.PDI.3407	Req	0xFF            Reason for going to Stop not applicable.	007000 007900 008700
Eu.SCI-CC.PDI.2961	Req	<b>Aspect Control</b> The message byte 85 shall be set to one of the following values:  value            meaning -----        -----	Default
Eu.SCI-CC.PDI.2962	Req	0x01            set	007000
Eu.SCI-CC.PDI.2963	Req	0x02            not set	007000
Eu.SCI-CC.PDI.2964	Req	0xFF            Aspect Control not applicable.	Default
Eu.SCI-CC.PDI.2965	Req	<b>Cancel Confirmation</b> The message byte 86 shall be set to one of the following values:  value            meaning -----        -----	Default
Eu.SCI-CC.PDI.2966	Req	0x01            set	007000
Eu.SCI-CC.PDI.2967	Req	0x02            not set	007000
Eu.SCI-CC.PDI.2968	Req	0xFF            Cancel Confirmation not applicable.	Default
Eu.SCI-CC.PDI.2969	Req	<b>Automatic Mode</b> The message byte 87 shall be set to one of the following values:  value            meaning -----        -----	Default
Eu.SCI-CC.PDI.2970	Req	0x01            signal is in Automatic Mode	007000 007900 310900
Eu.SCI-CC.PDI.2971	Req	0x02            signal is in Controlled Mode	007000 007900 310900
Eu.SCI-CC.PDI.2972	Req	0xFF            Automatic Mode not applicable.	Default
Eu.SCI-CC.PDI.2973	Req	<b>Flank Protection</b> The message byte 88 shall be set to one of the following values:  value            meaning -----        -----	Default
Eu.SCI-CC.PDI.2974	Req	0x01            does not provide Flank Protection	007600
Eu.SCI-CC.PDI.2975	Req	0x02            does provide Flank Protection	007600
Eu.SCI-CC.PDI.2976	Req	0xFF            Flank Protection not applicable.	007000 007900 008700 310900
Eu.SCI-CC.PDI.2977	Req	<b>Fragmented</b> The message byte 89 shall be set to one of the following values:  value            meaning -----        -----	Default
Eu.SCI-CC.PDI.2978	Req	0x01            fragmented, time is running	007900
Eu.SCI-CC.PDI.2979	Req	0x02            fragmented, time is not running	007900

ID	Type	Requirement	Appl.
Eu.SCI-CC.PDI.2981	Req	0x03            not fragmented	007900
Eu.SCI-CC.PDI.2980	Req	0xFF            Fragmented not applicable.	Default
Eu.SCI-CC.PDI.2982	Req	<b>Speed Restricted</b> The message byte 90 shall be set to one of the following values:  value            meaning -----        -----	Default
Eu.SCI-CC.PDI.2985	Req	0xFF            Speed Restricted not applicable.	Default
Eu.SCI-CC.PDI.2986	Req	<b>Permission</b> The message byte 91 shall be set to one of the following values:  value            meaning -----        -----	Default
Eu.SCI-CC.PDI.2987	Req	0x01            permission given	007900
Eu.SCI-CC.PDI.2988	Req	0x02            permission revoked	007900
Eu.SCI-CC.PDI.2989	Req	0xFF            Permission not applicable.	Default
Eu.SCI-CC.PDI.2990	Req	<b>Lamp State</b> The message byte 92 shall be set to one of the following values:  value            meaning -----        -----	Default
Eu.SCI-CC.PDI.2991	Req	0x01            no lamps or filaments failed	007000 007900 310900
Eu.SCI-CC.PDI.2992	Req	0x02            filament failed	007000 007900 310900
Eu.SCI-CC.PDI.2993	Req	0x03            lamp failed	007000 007900 310900
Eu.SCI-CC.PDI.2994	Req	0xFF            Lamp State not applicable.	Default
Eu.SCI-CC.PDI.2995	Req	<b>Failed Lamp Position</b> The message byte 93 shall be set to one of the following values:  value            meaning -----        -----	Default
Eu.SCI-CC.PDI.2996	Req	0x01            no failed lamp	007000 007900
Eu.SCI-CC.PDI.2997	Req	0x02..0xFE     position of a failed lamp, according to national requirements	007000 007900
Eu.SCI-CC.PDI.2998	Req	0xFF            Failed Lamp Position not applicable.	Default
Eu.SCI-CC.PDI.2999	Req	<b>Automatic Route Setting</b> The message byte 94 shall be set to one of the following values:  value            meaning -----        -----	Default
Eu.SCI-CC.PDI.3000	Req	0x01            signal in ARS mode	007900 310900
Eu.SCI-CC.PDI.3001	Req	0x02            signal not in ARS mode	007900 310900
Eu.SCI-CC.PDI.3002	Req	0xFF            Automatic Route Setting not applicable.	Default
Eu.SCI-CC.PDI.870	Req	<b>Train Protection / Warning System State</b> The message byte 95 shall be set to one of the following values:  value            meaning -----        -----	Default
Eu.SCI-CC.PDI.871	Req	0x01            unknown / not fitted	007000

ID	Type	Requirement		Appl.
Eu.SCI-CC.PDI.872	Req	0x02	not failed	007000
Eu.SCI-CC.PDI.873	Req	0x03	failed (overspeed protection)	007000
Eu.SCI-CC.PDI.874	Req	0x04	failed (overrun protection)	007000
Eu.SCI-CC.PDI.2351	Req	0xFF	Train Protection / Warning System State not applicable	Default
Eu.SCI-CC.PDI.877	Req	<b>Blocked against Route setting</b> The message byte 96 bits 0 to 3 shall be set to one of the following values:  value            meaning -----      -----		Default
Eu.SCI-CC.PDI.879	Req	0x1	blocked against route setting (all trains)	007000 007900
Eu.SCI-CC.PDI.878	Req	0x2	not blocked against route setting (all trains)	007000 007900
Eu.SCI-CC.PDI.2500	Req	0xF	Blocked against Route setting (all trains) not applicable	Default
Eu.SCI-CC.PDI.880	Req	The message byte 96 bits 4 to 7 shall be set to one of the following values:  value            meaning -----      -----		Default
Eu.SCI-CC.PDI.882	Req	0x1	blocked against route setting (electric trains only)	007000
Eu.SCI-CC.PDI.881	Req	0x2	not blocked against route setting (electric trains only)	007000
Eu.SCI-CC.PDI.2501	Req	0xF	Blocked against Route setting (electric trains only) not applicable	Default
Eu.SCI-CC.PDI.883	Req	<b>Blocked in Stop</b> The message byte 97 bits 0 to 3 shall be set to one of the following values:  value            meaning -----      -----		Default
Eu.SCI-CC.PDI.885	Req	0x1	blocked in Stop (all trains)	007000 007600 007900 310900
Eu.SCI-CC.PDI.884	Req	0x2	not blocked in Stop (all trains)	007000 007600 007900 310900
Eu.SCI-CC.PDI.2502	Req	0xF	Blocked in Stop (all trains) not applicable	Default
Eu.SCI-CC.PDI.886	Req	The message byte 97 bits 4 to 7 shall be set to one of the following values:  value            meaning -----      -----		Default
Eu.SCI-CC.PDI.888	Req	0x1	blocked in Stop (electric trains only)	007000
Eu.SCI-CC.PDI.887	Req	0x2	not blocked in Stop (electric trains only)	007000
Eu.SCI-CC.PDI.2503	Req	0xF	Blocked in Stop (electric trains only) not applicable	007000 007600 007900 008700 310900
Eu.SCI-CC.PDI.895	Req	<b>Inhibit Overrun detection</b> The message byte 98 shall be set to one of the following values:  value            meaning -----      -----		Default
Eu.SCI-CC.PDI.897	Req	0x01	Overrun Detection inhibited	007000
Eu.SCI-CC.PDI.896	Req	0x02	Overrun Detection not inhibited	007000

ID	Type	Requirement	Appl.
Eu.SCI-CC.PDI.2401	Req	0xFF            Inhibit Overrun detection not applicable	007000 007600 007900 008700 310900
Eu.SCI-CC.PDI.2753	Req	<b>Route Start Type</b> The message byte 99 shall contain the Route Start Type. Permitted values:  value            meaning -----        -----	Default
Eu.SCI-CC.PDI.2754	Req	0x01            no route	007600
Eu.SCI-CC.PDI.2755	Req	0x02            Main route	007600
Eu.SCI-CC.PDI.2756	Req	0x03            Shunting route	007600
Eu.SCI-CC.PDI.2758	Req	0x04            OS/Call-on route	007600
Eu.SCI-CC.PDI.2760	Req	0x05            SR route	007600
Eu.SCI-CC.PDI.2759	Req	0xFF            Route Start Type not applicable.	007000 007900 008700 310900
Eu.SCI-CC.PDI.2761	Req	<b>Route End Type</b> The message byte 100 shall contain the Route End Type. Permitted values:  value            meaning -----        -----	Default
Eu.SCI-CC.PDI.2762	Req	0x01            no route	007600
Eu.SCI-CC.PDI.2763	Req	0x02            Main route	007600
Eu.SCI-CC.PDI.2764	Req	0x03            Shunting route	007600
Eu.SCI-CC.PDI.2766	Req	0x04            OS/Call-on route	007600
Eu.SCI-CC.PDI.2767	Req	0x05            SR route	007600
Eu.SCI-CC.PDI.2768	Req	0xFF            Route End Type not applicable.	007000 007900 008700 310900
Eu.SCI-CC.PDI.2902	Req	<b>Route Release Timer</b> The message byte 101 shall contain the Route Release Timer. Permitted values:  value            meaning -----        -----	Default
Eu.SCI-CC.PDI.2903	Req	0x01            Route Release Timer is not running.	007000 007600 007900 310900
Eu.SCI-CC.PDI.2904	Req	0x02            Route Release Timer is running.	007000 007600 007900 310900
Eu.SCI-CC.PDI.2905	Req	0xFF            Route Release Timer not applicable.	007000 007900 008700 310900

ID	Type	Requirement	Appl.																
Eu.SCI-CC.PDI.2906	Req	<b>Preparation Timer</b> The message byte 102 shall contain the Preparation Timer. 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-CC.PDI.2907	Req	0x01      Preparation Timer is not running.	007000 007600 007900 310900																
Eu.SCI-CC.PDI.2908	Req	0x02      Preparation Timer is running.	007000 007600 007900 310900																
Eu.SCI-CC.PDI.2909	Req	0xFF      Preparation Timer not applicable.	007000 007900 008700 310900																
Eu.SCI-CC.PDI.3686	Req	<b>Prepared Route Type Start</b> The message byte 103 shall be set to one of the following values: <table><tr><td>value</td><td>meaning</td></tr><tr><td>-----</td><td>-----</td></tr></table>	value	meaning	-----	-----	Default												
value	meaning																		
-----	-----																		
Eu.SCI-CC.PDI.3691	Req	0x01      No route prepared at start.	007600																
Eu.SCI-CC.PDI.3694	Req	0x02      FS route prepared at start.	007600																
Eu.SCI-CC.PDI.3693	Req	0x03      OS route prepared at start.	007600																
Eu.SCI-CC.PDI.3692	Req	0xFF      Prepared Route Type Start not applicable	Default																
Eu.SCI-CC.PDI.3695	Req	<b>Prepared Route Type End</b> The message byte 104 shall be set to one of the following values: <table><tr><td>value</td><td>meaning</td></tr><tr><td>-----</td><td>-----</td></tr></table>	value	meaning	-----	-----	Default												
value	meaning																		
-----	-----																		
Eu.SCI-CC.PDI.3697	Req	0x01      No route prepared at end.	007600																
Eu.SCI-CC.PDI.3699	Req	0x02      FS route prepared at end.	007600																
Eu.SCI-CC.PDI.3698	Req	0x03      OS route prepared at end.	007600																
Eu.SCI-CC.PDI.3700	Req	0xFF      Prepared Route Type End not applicable	Default																
Eu.SCI-CC.PDI.1146	Head	<b>3.5.5.4 Message “Overrun Alarm”</b>	007000																
Eu.SCI-CC.PDI.2259	Info	This telegram refines the InformationFlow "Msg_Overrun_Alarm" specified in the requirements specification (ID Eu.CC.2057).	007000																
Eu.SCI-CC.PDI.1147	Info	Telegram definition for status message “Overrun Alarm” <table><tr><td><b>Byte / Bit</b></td><td><b>Content</b></td></tr><tr><td>00</td><td>Protocol Type: 0x70 (1 Byte binary)</td></tr><tr><td>01..02</td><td>Message Type: 0x0040 (2 Bytes binary)</td></tr><tr><td>03..22</td><td>Sender: ILS Identifier (20 Bytes text)</td></tr><tr><td>23..42</td><td>Receiver: TCS Identifier (20 Bytes text)</td></tr><tr><td>43</td><td>Information Type: 0x23 (1 Byte binary)</td></tr><tr><td>44..63</td><td>Affected Signal / Signalling Point ID (20 Bytes text)</td></tr><tr><td>64..83</td><td>Affected TVP Section ID (20 Bytes text)</td></tr></table>	<b>Byte / Bit</b>	<b>Content</b>	00	Protocol Type: 0x70 (1 Byte binary)	01..02	Message Type: 0x0040 (2 Bytes binary)	03..22	Sender: ILS Identifier (20 Bytes text)	23..42	Receiver: TCS Identifier (20 Bytes text)	43	Information Type: 0x23 (1 Byte binary)	44..63	Affected Signal / Signalling Point ID (20 Bytes text)	64..83	Affected TVP Section ID (20 Bytes text)	007000
<b>Byte / Bit</b>	<b>Content</b>																		
00	Protocol Type: 0x70 (1 Byte binary)																		
01..02	Message Type: 0x0040 (2 Bytes binary)																		
03..22	Sender: ILS Identifier (20 Bytes text)																		
23..42	Receiver: TCS Identifier (20 Bytes text)																		
43	Information Type: 0x23 (1 Byte binary)																		
44..63	Affected Signal / Signalling Point ID (20 Bytes text)																		
64..83	Affected TVP Section ID (20 Bytes text)																		
Eu.SCI-CC.PDI.1148	Req	<b>Message Type</b> Bytes 01 and 02 shall be set to 0x0040.	007000																
Eu.SCI-CC.PDI.1149	Req	<b>Sender Identifier</b> The message bytes 03..22 shall contain the technical identifier of the Subsystem - Electronic Interlocking according to section 3.2.	007000																
Eu.SCI-CC.PDI.1150	Req	<b>Receiver Identifier</b> The message bytes 23..42 shall contain the technical identifier of the TCS according to section 3.2.	007000																

ID	Type	Requirement	Appl.																		
Eu.SCI-CC.PDI.1151	Req	<b>Information Type</b> The message byte 43 shall be set to 0x23.	007000																		
Eu.SCI-CC.PDI.1152	Req	<b>Affected Signal / Signalling Point ID</b> Bytes 44..63 shall contain the identity of the signal or signalling point at which the overrun has occurred, according to section 3.3.	007000																		
Eu.SCI-CC.PDI.1153	Req	<b>Affected TVP Section ID</b> Bytes 64..83 shall contain the identity of the first TVP Section beyond the signal at which the overrun has occurred, according to section 3.3.	007000																		
Eu.SCI-CC.PDI.3148	Head	<b>3.5.6 Other element functions</b>	Default																		
Eu.SCI-CC.PDI.249	Head	<b>3.5.6.1 Command “Operate A Powered Moveable Element”</b>	007000 007600 007900 310900																		
Eu.SCI-CC.PDI.2215	Info	This telegram refines the InformationFlow "Cd_Operate_A_Powered_Moveable_Element" specified in the requirements specification (ID Eu.CC.2009).	007000 007600 007900 310900																		
Eu.SCI-CC.PDI.250	Info	Telegram definition for command “Operate A Powered Moveable Element” <table><tr><th>Byte / Bit</th><th>Content</th></tr><tr><td>00</td><td>Protocol Type: 0x70 (1 Byte binary)</td></tr><tr><td>01..02</td><td>Message Type: 0x0050 or 0X0055 (2 Bytes binary)</td></tr><tr><td>03..22</td><td>Sender: TCS Identifier (20 Bytes text)</td></tr><tr><td>23..42</td><td>Receiver: ILS Identifier (20 Bytes text)</td></tr><tr><td>43..44</td><td>TAN (2 Bytes binary)</td></tr><tr><td>45</td><td>Information Type: 0x17 (1 Byte binary)</td></tr><tr><td>46..65</td><td>Powered Moveable Element ID (20 Bytes text)</td></tr><tr><td>66</td><td>Direction (1 Byte binary)</td></tr></table>	Byte / Bit	Content	00	Protocol Type: 0x70 (1 Byte binary)	01..02	Message Type: 0x0050 or 0X0055 (2 Bytes binary)	03..22	Sender: TCS Identifier (20 Bytes text)	23..42	Receiver: ILS Identifier (20 Bytes text)	43..44	TAN (2 Bytes binary)	45	Information Type: 0x17 (1 Byte binary)	46..65	Powered Moveable Element ID (20 Bytes text)	66	Direction (1 Byte binary)	007000 007600 007900 310900
Byte / Bit	Content																				
00	Protocol Type: 0x70 (1 Byte binary)																				
01..02	Message Type: 0x0050 or 0X0055 (2 Bytes binary)																				
03..22	Sender: TCS Identifier (20 Bytes text)																				
23..42	Receiver: ILS Identifier (20 Bytes text)																				
43..44	TAN (2 Bytes binary)																				
45	Information Type: 0x17 (1 Byte binary)																				
46..65	Powered Moveable Element ID (20 Bytes text)																				
66	Direction (1 Byte binary)																				
Eu.SCI-CC.PDI.251	Req	<b>Message Type</b> Bytes 01 and 02 shall be set to 0x0050 or 0x0055 as defined in section 3.4.1.	007000 007600 007900 310900																		
Eu.SCI-CC.PDI.252	Req	<b>Sender Identifier</b> The message bytes 03..22 shall contain the technical identifier of the TCS according to section 3.2.	007000 007600 007900 310900																		
Eu.SCI-CC.PDI.253	Req	<b>Receiver Identifier</b> The message bytes 23..42 shall contain the technical identifier of the Subsystem - Electronic Interlocking according to section 3.2.	007000 007600 007900 310900																		
Eu.SCI-CC.PDI.3353	Req	<b>TAN</b> Bytes 43 and 44 shall contain a unique transaction number of the command. If the Message Type is set to 0x0055, the transaction number shall be equal to the transaction number used in the command that is being confirmed (see section 3.4.1).	007000 007600 007900 310900																		
Eu.SCI-CC.PDI.254	Req	<b>Information Type</b> Byte 45 shall be set to 0x17.	007000 007600 007900 310900																		
Eu.SCI-CC.PDI.255	Req	<b>Powered Moveable Element ID</b> Bytes 46 to 65 shall contain a unique Powered Moveable Element identity according to section 3.3.	007000 007600 007900 310900																		
Eu.SCI-CC.PDI.256	Req	<b>Direction</b> Byte 66 shall be set to one of the following values:  value            meaning -----        -----	007000 007600 007900 310900																		
Eu.SCI-CC.PDI.257	Req	0x01            move to opposite position	007600 007900 310900																		
Eu.SCI-CC.PDI.258	Req	0x02            move to opposite position with TVP disturbed	007900 310900																		



ID	Type	Requirement		Appl.																						
Eu.SCI-CC.PDI.259	Req	0x03	move to left position	007000																						
Eu.SCI-CC.PDI.260	Req	0x04	move to left position with TVP occupied/disturbed	007000																						
Eu.SCI-CC.PDI.261	Req	0x05	move to right position	007000																						
Eu.SCI-CC.PDI.262	Req	0x06	move to right position with TVP occupied/disturbed	007000																						
Eu.SCI-CC.PDI.263	Req	0x07	move if trailed	007600 007900 310900																						
Eu.SCI-CC.PDI.720	Head	3.5.6.2 Command “Operate A Level Crossing”		007000 007600 007900 310900																						
Eu.SCI-CC.PDI.2248	Info	This telegram refines the InformationFlow "Cd_Operate_A_Level_Crossing" specified in the requirements specification (ID Eu.CC.2007).		007000 007600 007900 310900																						
Eu.SCI-CC.PDI.721	Info	Telegram definition for command “Operate A Level Crossing” <table><tr><th>Byte / Bit</th><th>Content</th></tr><tr><td>00</td><td>Protocol Type: 0x70 (1 Byte binary)</td></tr><tr><td>01..02</td><td>Message Type: 0x0050 or 0x0055 (2 Bytes binary)</td></tr><tr><td>03..22</td><td>Sender: TCS Identifier (20 Bytes text)</td></tr><tr><td>23..42</td><td>Receiver: ILS Identifier (20 Bytes text)</td></tr><tr><td>43..44</td><td>TAN (2 Bytes binary)</td></tr><tr><td>45</td><td>Information Type: 0x3E (1 Byte binary)</td></tr><tr><td>46..65</td><td>Level Crossing ID (20 Bytes text)</td></tr><tr><td>66</td><td>Instruction (1 Byte binary)</td></tr><tr><td>67</td><td>Track Index (1 Byte binary)</td></tr><tr><td>68</td><td>Auxiliary Index (1 Byte binary)</td></tr></table>		Byte / Bit	Content	00	Protocol Type: 0x70 (1 Byte binary)	01..02	Message Type: 0x0050 or 0x0055 (2 Bytes binary)	03..22	Sender: TCS Identifier (20 Bytes text)	23..42	Receiver: ILS Identifier (20 Bytes text)	43..44	TAN (2 Bytes binary)	45	Information Type: 0x3E (1 Byte binary)	46..65	Level Crossing ID (20 Bytes text)	66	Instruction (1 Byte binary)	67	Track Index (1 Byte binary)	68	Auxiliary Index (1 Byte binary)	007000 007600 007900 310900
Byte / Bit	Content																									
00	Protocol Type: 0x70 (1 Byte binary)																									
01..02	Message Type: 0x0050 or 0x0055 (2 Bytes binary)																									
03..22	Sender: TCS Identifier (20 Bytes text)																									
23..42	Receiver: ILS Identifier (20 Bytes text)																									
43..44	TAN (2 Bytes binary)																									
45	Information Type: 0x3E (1 Byte binary)																									
46..65	Level Crossing ID (20 Bytes text)																									
66	Instruction (1 Byte binary)																									
67	Track Index (1 Byte binary)																									
68	Auxiliary Index (1 Byte binary)																									
Eu.SCI-CC.PDI.722	Req	Message Type Bytes 01 and 02 shall be set to 0x0050 or 0x0055 as defined in section 3.4.1.		007000 007600 007900 310900																						
Eu.SCI-CC.PDI.723	Req	Sender Identifier The message bytes 03..22 shall contain the technical identifier of the TCS according to section 3.2.		007000 007600 007900 310900																						
Eu.SCI-CC.PDI.724	Req	Receiver Identifier The message bytes 23..42 shall contain the technical identifier of the Subsystem - Electronic Interlocking according to section 3.2.		007000 007600 007900 310900																						
Eu.SCI-CC.PDI.3354	Req	TAN Bytes 43 and 44 shall contain a unique transaction number of the command. If the Message Type is set to 0x0055, the transaction number shall be equal to the transaction number used in the command that is being confirmed (see section 3.4.1).		007000 007600 007900 310900																						
Eu.SCI-CC.PDI.725	Req	Information Type Byte 45 shall be set to 0x3E.		007000 007600 007900 310900																						
Eu.SCI-CC.PDI.726	Req	Level Crossing ID Bytes 46 to 65 shall contain a unique Level Crossing identity according to section 3.3.		007000 007600 007900 310900																						
Eu.SCI-CC.PDI.727	Req	Instruction Byte 66 shall be set to one of the following values:  value                    meaning -----                -----		007000 007600 007900 310900																						

ID	Type	Requirement		Appl.
Eu.SCI-CC.PDI.728	Req	0x01	request activation-all tracks	007000 007600 007900 310900
Eu.SCI-CC.PDI.729	Req	0x02	request deactivation-all tracks	007000 007600 007900 310900
Eu.SCI-CC.PDI.730	Req	0x03	request track related activation	007900 310900
Eu.SCI-CC.PDI.731	Req	0x04	request track related deactivation	007900 310900
Eu.SCI-CC.PDI.732	Req	0x05	block deactivation of level crossing	007600 007900
Eu.SCI-CC.PDI.733	Req	0x06	unblock deactivation of level crossing	007600 007900
Eu.SCI-CC.PDI.734	Req	0x07	block activation of level crossing	007600 007900 310900
Eu.SCI-CC.PDI.735	Req	0x08	unblock activation of level crossing	007600 007900 310900
Eu.SCI-CC.PDI.736	Req	0x09	emergency deactivation	007600 007900 310900
Eu.SCI-CC.PDI.4080	Req	0x10	pre-activation	007000 007600 007900 310900
Eu.SCI-CC.PDI.2660	Req	<b>Track index</b> The message byte 67 shall include the information regarding Track dependencies. Permitted values are:  value            meaning -----      -----		007000 007600 007900 310900
Eu.SCI-CC.PDI.2661	Req	0x01..0x1F	Track index	007000 007900 310900
Eu.SCI-CC.PDI.2662	Req	0xFF	Track index not applicable	007000 007600 007900 310900
Eu.SCI-CC.PDI.2663	Req	<b>Auxiliary index</b> The message byte 68 shall include the information regarding the direction of expected train movement. Permitted values are:  value            meaning -----      -----		007000 007600 007900 310900
Eu.SCI-CC.PDI.2664	Req	0x01...0x0D	Activation Point index	007000 007900 310900
Eu.SCI-CC.PDI.2665	Req	0x0E	Direction 1	007000 007900 310900
Eu.SCI-CC.PDI.2666	Req	0x0F	Direction 2	007000 007900 310900

ID	Type	Requirement		Appl.																		
Eu.SCI-CC.PDI.2667	Req	0xFF	Auxiliary index not applicable	007000 007600 007900 310900																		
Eu.SCI-CC.PDI.2668	Info	The values "Direction 1" or "Direction 2" of "Auxiliary index" represent the train movement information of a Route. The assignment of 1 or 2 is IM specific.		007000 007600 007900 310900																		
Eu.SCI-CC.PDI.400	Head	3.5.6.3 Command “Operate A Moveable Lockable Device”		007600 310900																		
Eu.SCI-CC.PDI.2221	Info	This telegram refines the InformationFlow "Cd_Operate_A_Moveable_Lockable_Device" specified in the requirements specification (ID Eu.CC.2008).		007600 310900																		
Eu.SCI-CC.PDI.401	Info	Telegram definition for command “Operate A Moveable Lockable Device” <table><tr><th>Byte / Bit</th><th>Content</th></tr><tr><td>00</td><td>Protocol Type: 0x70 (1 Byte binary)</td></tr><tr><td>01..02</td><td>Message Type: 0x0050 or 0X0055 (2 Bytes binary)</td></tr><tr><td>03..22</td><td>Sender: TCS Identifier (20 Bytes text)</td></tr><tr><td>23..42</td><td>Receiver: ILS Identifier (20 Bytes text)</td></tr><tr><td>43..44</td><td>TAN (2 Bytes binary)</td></tr><tr><td>45</td><td>Information Type: 0x44 (1 Byte binary)</td></tr><tr><td>46..65</td><td>Moveable Lockable Device ID (20 Bytes text)</td></tr><tr><td>66</td><td>Instruction (1 Byte binary)</td></tr></table>		Byte / Bit	Content	00	Protocol Type: 0x70 (1 Byte binary)	01..02	Message Type: 0x0050 or 0X0055 (2 Bytes binary)	03..22	Sender: TCS Identifier (20 Bytes text)	23..42	Receiver: ILS Identifier (20 Bytes text)	43..44	TAN (2 Bytes binary)	45	Information Type: 0x44 (1 Byte binary)	46..65	Moveable Lockable Device ID (20 Bytes text)	66	Instruction (1 Byte binary)	007600 310900
Byte / Bit	Content																					
00	Protocol Type: 0x70 (1 Byte binary)																					
01..02	Message Type: 0x0050 or 0X0055 (2 Bytes binary)																					
03..22	Sender: TCS Identifier (20 Bytes text)																					
23..42	Receiver: ILS Identifier (20 Bytes text)																					
43..44	TAN (2 Bytes binary)																					
45	Information Type: 0x44 (1 Byte binary)																					
46..65	Moveable Lockable Device ID (20 Bytes text)																					
66	Instruction (1 Byte binary)																					
Eu.SCI-CC.PDI.402	Req	Message Type Bytes 01 and 02 shall be set to 0x0050 or 0x0055 as defined in section 3.4.1.		007600 310900																		
Eu.SCI-CC.PDI.403	Req	Sender Identifier The message bytes 03..22 shall contain the technical identifier of the TCS according to section 3.2.		007600 310900																		
Eu.SCI-CC.PDI.404	Req	Receiver Identifier The message bytes 23..42 shall contain the technical identifier of the Subsystem - Electronic Interlocking according to section 3.2.		007600 310900																		
Eu.SCI-CC.PDI.3355	Req	TAN Bytes 43 and 44 shall contain a unique transaction number of the command. If the Message Type is set to 0x0055, the transaction number shall be equal to the transaction number used in the command that is being confirmed (see section 3.4.1).		007600 310900																		
Eu.SCI-CC.PDI.405	Req	Information Type Byte 45 shall be set to 0x44.		007600 310900																		
Eu.SCI-CC.PDI.406	Req	Moveable Lockable Device ID Bytes 46 to 65 shall contain a unique Moveable Lockable Device identity according to section 3.3.		007600 310900																		
Eu.SCI-CC.PDI.407	Req	Instruction Byte 66 shall be set to one of the following values:  value            meaning -----        -----		007600 310900																		
Eu.SCI-CC.PDI.408	Req	0x01	operate to position 'not-passable by train'	007600 310900																		
Eu.SCI-CC.PDI.409	Req	0x02	operate to position 'passable by train'	007600 310900																		
Eu.SCI-CC.PDI.4046	Req	0x03	block for switching	007600 310900																		
Eu.SCI-CC.PDI.4047	Req	0x04	unblock for switching	007600 310900																		
Eu.SCI-CC.PDI.264	Head	3.5.6.4 Command “Manage A Powered Moveable Element”		007000 007600 007900 310900																		

ID	Type	Requirement		Appl.																		
Eu.SCI-CC.PDI.2216	Info	This telegram refines the InformationFlow "Cd_Manage_A_Powered_Moveable_Element" specified in the requirements specification (ID Eu.CC.2002).		007000 007600 007900 310900																		
Eu.SCI-CC.PDI.265	Info	Telegram definition for command “Manage A Powered Moveable Element” <table><tr><th>Byte / Bit</th><th>Content</th></tr><tr><td>00</td><td>Protocol Type: 0x70 (1 Byte binary)</td></tr><tr><td>01..02</td><td>Message Type: 0x0050 or 0X0055 (2 Bytes binary)</td></tr><tr><td>03..22</td><td>Sender: TCS Identifier (20 Bytes text)</td></tr><tr><td>23..42</td><td>Receiver: ILS Identifier (20 Bytes text)</td></tr><tr><td>43..44</td><td>TAN (2 Bytes binary)</td></tr><tr><td>45</td><td>Information Type: 0x1A (1 Byte binary)</td></tr><tr><td>46..65</td><td>Powered Moveable Element ID (20 Bytes text)</td></tr><tr><td>66</td><td>Instruction (1 Byte text)</td></tr></table>		Byte / Bit	Content	00	Protocol Type: 0x70 (1 Byte binary)	01..02	Message Type: 0x0050 or 0X0055 (2 Bytes binary)	03..22	Sender: TCS Identifier (20 Bytes text)	23..42	Receiver: ILS Identifier (20 Bytes text)	43..44	TAN (2 Bytes binary)	45	Information Type: 0x1A (1 Byte binary)	46..65	Powered Moveable Element ID (20 Bytes text)	66	Instruction (1 Byte text)	007000 007600 007900 310900
Byte / Bit	Content																					
00	Protocol Type: 0x70 (1 Byte binary)																					
01..02	Message Type: 0x0050 or 0X0055 (2 Bytes binary)																					
03..22	Sender: TCS Identifier (20 Bytes text)																					
23..42	Receiver: ILS Identifier (20 Bytes text)																					
43..44	TAN (2 Bytes binary)																					
45	Information Type: 0x1A (1 Byte binary)																					
46..65	Powered Moveable Element ID (20 Bytes text)																					
66	Instruction (1 Byte text)																					
Eu.SCI-CC.PDI.266	Req	<b>Message Type</b> Bytes 01 and 02 shall be set to 0x0050 or 0x0055 as defined in section 3.4.1.		007000 007600 007900 310900																		
Eu.SCI-CC.PDI.267	Req	<b>Sender Identifier</b> The message bytes 03..22 shall contain the technical identifier of the TCS according to section 3.2.		007000 007600 007900 310900																		
Eu.SCI-CC.PDI.268	Req	<b>Receiver Identifier</b> The message bytes 23..42 shall contain the technical identifier of the Subsystem - Electronic Interlocking according to section 3.2.		007000 007600 007900 310900																		
Eu.SCI-CC.PDI.3356	Req	<b>TAN</b> Bytes 43 and 44 shall contain a unique transaction number of the command. If the Message Type is set to 0x0055, the transaction number shall be equal to the transaction number used in the command that is being confirmed (see section 3.4.1).		007000 007600 007900 310900																		
Eu.SCI-CC.PDI.269	Req	<b>Information Type</b> Byte 45 shall be set to 0x1A		007000 007600 007900 310900																		
Eu.SCI-CC.PDI.270	Req	<b>Powered Moveable Element ID</b> Bytes 46 to 65 shall contain a unique Powered Moveable Element identity according to section 3.3.		007000 007600 007900 310900																		
Eu.SCI-CC.PDI.271	Req	<b>Instruction</b> Byte 66 shall be set to one of the following values:  Value            meaning -----        -----		007000 007600 007900 310900																		
Eu.SCI-CC.PDI.272	Req	0x01	block from moving	007000 007600 007900 310900																		
Eu.SCI-CC.PDI.273	Req	0x02	unblock from moving	007000 007600 007900 310900																		
Eu.SCI-CC.PDI.274	Req	0x03	block from automatic movement by interlocking (e.g. while route setting)	007000 007900 310900																		
Eu.SCI-CC.PDI.275	Req	0x04	unblock from automatic movement by interlocking (e.g. while route setting)	007000 007900 310900																		

ID	Type	Requirement		Appl.																		
Eu.SCI-CC.PDI.276	Req	0x05	block for route setting (all trains)	007000 007600 007900 310900																		
Eu.SCI-CC.PDI.277	Req	0x06	unblock for route setting (all trains)	007000 007600 007900 310900																		
Eu.SCI-CC.PDI.278	Req	0x07	block for route setting (electric trains)	007000																		
Eu.SCI-CC.PDI.279	Req	0x08	unblock for route setting (electric trains)	007000																		
Eu.SCI-CC.PDI.281	Req	0x0A	remove locking of a middle point	007900																		
Eu.SCI-CC.PDI.282	Req	0x0B	set key state to left position	007000																		
Eu.SCI-CC.PDI.283	Req	0x0C	set key state to right position	007000																		
Eu.SCI-CC.PDI.284	Req	0x0D	set initial position for an occupied diamond crossing	310900																		
Eu.SCI-CC.PDI.331	Head	3.5.6.5 Command “Manage A TVP Section”		007000 007600 007900 310900																		
Eu.SCI-CC.PDI.2219	Info	This telegram refines the InformationFlow "Cd_Manage_A_TVP_Section" specified in the requirements specification (ID Eu.CC.2005).		007000 007600 007900 310900																		
Eu.SCI-CC.PDI.332	Info	Telegram definition for command “Manage A TVP Section” <table><tr><th>Byte / Bit</th><th>Content</th></tr><tr><td>00</td><td>Protocol Type: 0x70 (1 Byte binary)</td></tr><tr><td>01..02</td><td>Message Type: 0x0050 or 0X0055 (2 Bytes binary)</td></tr><tr><td>03..22</td><td>Sender: TCS Identifier (20 Bytes text)</td></tr><tr><td>23..42</td><td>Receiver: ILS Identifier (20 Bytes text)</td></tr><tr><td>43..44</td><td>TAN (2 Bytes binary)</td></tr><tr><td>45</td><td>Information Type: 0x2A (1 Byte binary)</td></tr><tr><td>46..65</td><td>TVP Section ID (20 Bytes text)</td></tr><tr><td>66</td><td>Instruction (1 Byte binary)</td></tr></table>		Byte / Bit	Content	00	Protocol Type: 0x70 (1 Byte binary)	01..02	Message Type: 0x0050 or 0X0055 (2 Bytes binary)	03..22	Sender: TCS Identifier (20 Bytes text)	23..42	Receiver: ILS Identifier (20 Bytes text)	43..44	TAN (2 Bytes binary)	45	Information Type: 0x2A (1 Byte binary)	46..65	TVP Section ID (20 Bytes text)	66	Instruction (1 Byte binary)	007000 007600 007900 310900
Byte / Bit	Content																					
00	Protocol Type: 0x70 (1 Byte binary)																					
01..02	Message Type: 0x0050 or 0X0055 (2 Bytes binary)																					
03..22	Sender: TCS Identifier (20 Bytes text)																					
23..42	Receiver: ILS Identifier (20 Bytes text)																					
43..44	TAN (2 Bytes binary)																					
45	Information Type: 0x2A (1 Byte binary)																					
46..65	TVP Section ID (20 Bytes text)																					
66	Instruction (1 Byte binary)																					
Eu.SCI-CC.PDI.333	Req	Message Type Bytes 01 and 02 shall be set to 0x0050 or 0x0055 as defined in section 3.4.1.		007000 007600 007900 310900																		
Eu.SCI-CC.PDI.334	Req	Sender Identifier The message bytes 03..22 shall contain the technical identifier of the TCS according to section 3.2.		007000 007600 007900 310900																		
Eu.SCI-CC.PDI.335	Req	Receiver Identifier The message bytes 23..42 shall contain the technical identifier of the Subsystem - Electronic Interlocking according to section 3.2.		007000 007600 007900 310900																		
Eu.SCI-CC.PDI.3357	Req	TAN Bytes 43 and 44 shall contain a unique transaction number of the command. If the Message Type is set to 0x0055, the transaction number shall be equal to the transaction number used in the command that is being confirmed (see section 3.4.1).		007000 007600 007900 310900																		
Eu.SCI-CC.PDI.336	Req	Information Type Byte 45 shall be set to 0x2A.		007000 007600 007900 310900																		

ID	Type	Requirement	Appl.
Eu.SCI-CC.PDI.337	Req	<b>TVP Section ID</b> Bytes 46 to 65 shall contain a unique TVP Section identity according to section 3.3.	007000 007600 007900 310900
Eu.SCI-CC.PDI.338	Req	<b>Instruction</b> Byte 66 shall be set to one of the following values:  value            meaning -----    -----	007000 007600 007900 310900
Eu.SCI-CC.PDI.339	Req	0x01            force section status to clear, conditional (FC-C)	007000 007600 007900 310900
Eu.SCI-CC.PDI.344	Req	0x02            force section status to clear, preparatory (FC-P)	007000 007600 007900 310900
Eu.SCI-CC.PDI.349	Req	0x03            force section status to clear, preparatory   with acknowledgement (FC-P-A)	007000 007900
Eu.SCI-CC.PDI.354	Req	0x04            FC-P-A acknowledgement (after sweep train)	007000 007900
Eu.SCI-CC.PDI.355	Req	0x05            force section status to clear, unconditional (FC-U)	007600 007900 310900
Eu.SCI-CC.PDI.340	Req	0x06            block FC command	007000
Eu.SCI-CC.PDI.341	Req	0x07            unblock FC command	007000
Eu.SCI-CC.PDI.360	Req	0x08            Disable Restriction to Force section to Clear (DRFC)	007600
Eu.SCI-CC.PDI.361	Req	0x09            block against route setting (all trains)	007000 007900
Eu.SCI-CC.PDI.362	Req	0x0A            unblock against route setting (all trains)	007000 007900
Eu.SCI-CC.PDI.363	Req	0x0B            block against route setting (electric trains only)	007000
Eu.SCI-CC.PDI.364	Req	0x0C            unblock against route setting (electric trains only)	007000
Eu.SCI-CC.PDI.365	Req	0x0D            apply reminder (all trains)	007000 007900 310900
Eu.SCI-CC.PDI.366	Req	0x0E            remove reminder (all trains)	007000 007900 310900
Eu.SCI-CC.PDI.367	Req	0x0F            apply reminder (electric trains only)	007000
Eu.SCI-CC.PDI.368	Req	0x10            remove reminder (electric trains only)	007000
Eu.SCI-CC.PDI.369	Req	0x11            cancel Force Clear process	007000
Eu.SCI-CC.PDI.370	Req	0x12            apply an Engineer's Possession Reminder (EPR)	007000
Eu.SCI-CC.PDI.371	Req	0x13            remove an Engineer's Possession Reminder (EPR)	007000
Eu.SCI-CC.PDI.372	Req	0x14            'remove an EPR' process cancellation	007000
Eu.SCI-CC.PDI.373	Req	0x15            block 'remove an EPR' command (all trains)	007000

ID	Type	Requirement		Appl.																		
Eu.SCI-CC.PDI.374	Req	0x16	unblock 'remove an EPR' command (all trains)	007000																		
Eu.SCI-CC.PDI.375	Req	0x17	block 'remove an EPR' command (electric trains)	007000																		
Eu.SCI-CC.PDI.376	Req	0x18	unblock 'remove an EPR' command (electric trains)	007000																		
Eu.SCI-CC.PDI.377	Req	0x19	apply a Special Train Reminder (STR)	007000																		
Eu.SCI-CC.PDI.378	Req	0x1A	remove a Special Train Reminder (STR)	007000																		
Eu.SCI-CC.PDI.379	Req	0x1B	block 'remove a STR' command (all trains)	007000																		
Eu.SCI-CC.PDI.380	Req	0x1C	unblock 'remove a STR' command (all trains)	007000																		
Eu.SCI-CC.PDI.381	Req	0x1D	block 'remove a STR' command (electric trains)	007000																		
Eu.SCI-CC.PDI.382	Req	0x1E	unblock 'remove a STR' command (electric trains)	007000																		
Eu.SCI-CC.PDI.383	Req	0x1F	'remove a STR' process cancellation	007000																		
Eu.SCI-CC.PDI.384	Req	0x20	override TVP Section	007000 007900 310900																		
Eu.SCI-CC.PDI.3003	Req	0x21	update filling level	007000 007600 007900																		
Eu.SCI-CC.PDI.2821	Head	3.5.6.6 Command "Manage a Track Section"		007600 310900																		
Eu.SCI-CC.PDI.2822	Info	This telegram refines the InformationFlow "Cd_Manage_A_Track_Section" specified in the requirements specification (ID Eu.CC.2004).		007600 310900																		
Eu.SCI-CC.PDI.2823	Info	Telegram definition for command “Manage a Track Section” <table><tr><th>Byte / Bit</th><th>Content</th></tr><tr><td>00</td><td>Protocol Type: 0x70 (1 Byte binary)</td></tr><tr><td>01..02</td><td>Message Type: 0x0050 or 0x0055 (2 Bytes binary)</td></tr><tr><td>03..22</td><td>Sender: TCS Identifier (20 Bytes text)</td></tr><tr><td>23..42</td><td>Receiver: ILS Identifier (20 Bytes text)</td></tr><tr><td>43..44</td><td>TAN (2 Bytes binary)</td></tr><tr><td>45</td><td>Information Type: 0x2B (1 Byte binary)</td></tr><tr><td>46..65</td><td>Track Section ID (20 Bytes text)</td></tr><tr><td>66</td><td>Instruction (1 Byte binary)</td></tr></table>		Byte / Bit	Content	00	Protocol Type: 0x70 (1 Byte binary)	01..02	Message Type: 0x0050 or 0x0055 (2 Bytes binary)	03..22	Sender: TCS Identifier (20 Bytes text)	23..42	Receiver: ILS Identifier (20 Bytes text)	43..44	TAN (2 Bytes binary)	45	Information Type: 0x2B (1 Byte binary)	46..65	Track Section ID (20 Bytes text)	66	Instruction (1 Byte binary)	007600 310900
Byte / Bit	Content																					
00	Protocol Type: 0x70 (1 Byte binary)																					
01..02	Message Type: 0x0050 or 0x0055 (2 Bytes binary)																					
03..22	Sender: TCS Identifier (20 Bytes text)																					
23..42	Receiver: ILS Identifier (20 Bytes text)																					
43..44	TAN (2 Bytes binary)																					
45	Information Type: 0x2B (1 Byte binary)																					
46..65	Track Section ID (20 Bytes text)																					
66	Instruction (1 Byte binary)																					
Eu.SCI-CC.PDI.2824	Req	Message Type Bytes 01 and 02 shall be set to 0x0050 or 0x0055 as defined in section 3.4.1.		007600 310900																		
Eu.SCI-CC.PDI.2825	Req	Sender Identifier The message bytes 03..22 shall contain the technical identifier of the TCS according to section 3.2.		007600 310900																		
Eu.SCI-CC.PDI.2826	Req	Receiver Identifier The message bytes 23..42 shall contain the technical identifier of the Subsystem - Electronic Interlocking according to section 3.2.		007600 310900																		
Eu.SCI-CC.PDI.3358	Req	TAN Bytes 43 and 44 shall contain a unique transaction number of the command. If the Message Type is set to 0x0055, the transaction number shall be equal to the transaction number used in the command that is being confirmed (see section 3.4.1).		007600 310900																		
Eu.SCI-CC.PDI.2830	Req	Information Type Byte 45 shall be set to 0x2B.		007600 310900																		
Eu.SCI-CC.PDI.2831	Req	Track Section ID Bytes 46 to 65 shall contain a unique Track Section identity according to section 3.3.		007600 310900																		

ID	Type	Requirement		Appl.																		
Eu.SCI-CC.PDI.2827	Req	<b>Instruction</b> Byte 66 shall be set to one of the following values: <table><tr><td>value</td><td>meaning</td></tr><tr><td>-----</td><td>-----</td></tr></table>		value	meaning	-----	-----	007600 310900														
value	meaning																					
-----	-----																					
Eu.SCI-CC.PDI.2828	Req	0x01	unblock against route setting (all trains)	007600 310900																		
Eu.SCI-CC.PDI.2829	Req	0x02	block against route setting (all trains)	007600 310900																		
Eu.SCI-CC.PDI.737	Head	<b>3.5.6.7 Command “Manage A Level Crossing”</b>		007000 310900																		
Eu.SCI-CC.PDI.2249	Info	This telegram refines the InformationFlow "Cd_Manage_A_Level_Crossing" specified in the requirements specification (ID Eu.CC.1999).		007000 310900																		
Eu.SCI-CC.PDI.738	Info	Telegram definition for command “Manage A Level Crossing” <table><tr><th>Byte / Bit</th><th>Content</th></tr><tr><td>00</td><td>Protocol Type: 0x70 (1 Byte binary)</td></tr><tr><td>01..02</td><td>Message Type: 0x0050 or 0x0055 (2 Bytes binary)</td></tr><tr><td>03..22</td><td>Sender: TCS Identifier (20 Bytes text)</td></tr><tr><td>23..42</td><td>Receiver: ILS Identifier (20 Bytes text)</td></tr><tr><td>43..44</td><td>TAN (2 Bytes binary)</td></tr><tr><td>45</td><td>Information Type: 0x3D (1 Byte binary)</td></tr><tr><td>46..65</td><td>Level Crossing ID (20 Bytes text)</td></tr><tr><td>66</td><td>Instruction (1 Byte binary)</td></tr></table>		Byte / Bit	Content	00	Protocol Type: 0x70 (1 Byte binary)	01..02	Message Type: 0x0050 or 0x0055 (2 Bytes binary)	03..22	Sender: TCS Identifier (20 Bytes text)	23..42	Receiver: ILS Identifier (20 Bytes text)	43..44	TAN (2 Bytes binary)	45	Information Type: 0x3D (1 Byte binary)	46..65	Level Crossing ID (20 Bytes text)	66	Instruction (1 Byte binary)	007000 310900
Byte / Bit	Content																					
00	Protocol Type: 0x70 (1 Byte binary)																					
01..02	Message Type: 0x0050 or 0x0055 (2 Bytes binary)																					
03..22	Sender: TCS Identifier (20 Bytes text)																					
23..42	Receiver: ILS Identifier (20 Bytes text)																					
43..44	TAN (2 Bytes binary)																					
45	Information Type: 0x3D (1 Byte binary)																					
46..65	Level Crossing ID (20 Bytes text)																					
66	Instruction (1 Byte binary)																					
Eu.SCI-CC.PDI.739	Req	<b>Message Type</b> Bytes 01 and 02 shall be set to 0x0050 or 0x0055 as defined in section 3.4.1.		007000 310900																		
Eu.SCI-CC.PDI.740	Req	<b>Sender Identifier</b> The message bytes 03..22 shall contain the technical identifier of the TCS according to section 3.2.		007000 310900																		
Eu.SCI-CC.PDI.741	Req	<b>Receiver Identifier</b> The message bytes 23..42 shall contain the technical identifier of the Subsystem - Electronic Interlocking according to section 3.2.		007000 310900																		
Eu.SCI-CC.PDI.3359	Req	<b>TAN</b> Bytes 43 and 44 shall contain a unique transaction number of the command. If the Message Type is set to 0x0055, the transaction number shall be equal to the transaction number used in the command that is being confirmed (see section 3.4.1).		007000 310900																		
Eu.SCI-CC.PDI.742	Req	<b>Information Type</b> Byte 45 shall be set to 0x3D.		007000 310900																		
Eu.SCI-CC.PDI.743	Req	<b>Level Crossing ID</b> Bytes 46 to 65 shall contain a unique Level Crossing identity according to section 3.3.		007000 310900																		
Eu.SCI-CC.PDI.744	Req	<b>Instruction</b> Byte 66 shall be set to one of the following values: <table><tr><td>value</td><td>meaning</td></tr><tr><td>-----</td><td>-----</td></tr></table>		value	meaning	-----	-----	007000 310900														
value	meaning																					
-----	-----																					
Eu.SCI-CC.PDI.745	Req	0x01	level crossing not obstructed	007000																		
Eu.SCI-CC.PDI.746	Req	0x02	disable Stopping Mode	007000																		
Eu.SCI-CC.PDI.747	Req	0x03	enable Non-Stopping mode for next train	007000																		
Eu.SCI-CC.PDI.748	Req	0x04	call picture	007000																		
Eu.SCI-CC.PDI.749	Req	0x05	camera 1	007000																		
Eu.SCI-CC.PDI.750	Req	0x06	camera 2	007000																		
Eu.SCI-CC.PDI.751	Req	0x07	wipers on	007000																		



ID	Type	Requirement		Appl.																				
Eu.SCI-CC.PDI.752	Req	0x08	wipers off	007000																				
Eu.SCI-CC.PDI.753	Req	0x09	floodlights on	007000																				
Eu.SCI-CC.PDI.754	Req	0x0A	floodlights off	007000																				
Eu.SCI-CC.PDI.755	Req	0x0B	Auto Lower on	007000																				
Eu.SCI-CC.PDI.756	Req	0x0C	Auto Lower off	007000																				
Eu.SCI-CC.PDI.757	Req	0x0D	Auto Raise on	007000																				
Eu.SCI-CC.PDI.758	Req	0x0E	Auto Raise off	007000																				
Eu.SCI-CC.PDI.4078	Req	0x17	User Raise on	007000 310900																				
Eu.SCI-CC.PDI.4079	Req	0x18	User Raise off	007000 310900																				
Eu.SCI-CC.PDI.4081	Req	0x19	User Raise Request Cancel	007000 310900																				
Eu.SCI-CC.PDI.759	Req	0x0F	Unmanned status absent	007000																				
Eu.SCI-CC.PDI.760	Req	0x10	Unmanned status not absent	007000																				
Eu.SCI-CC.PDI.761	Req	0x11	Auto Mode (obstacle detection type level crossings)	007000																				
Eu.SCI-CC.PDI.765	Req	0x12	enable Level crossing failure bypass - track independent	310900																				
Eu.SCI-CC.PDI.766	Req	0x13	disable Level crossing failure bypass - track independent	310900																				
Eu.SCI-CC.PDI.2602	Req	0x14	local control accepted	007000																				
Eu.SCI-CC.PDI.2603	Req	0x15	remote control accepted	007000																				
Eu.SCI-CC.PDI.2604	Req	0x16	local control rejected	007000																				
Eu.SCI-CC.PDI.579	Head	3.5.6.8 Command “Manage A Line Block Between Signalling Areas”		007000 007001 007600 007900 310900																				
Eu.SCI-CC.PDI.2233	Info	This telegram refines the InformationFlow "Cd_Manage_A_Line_Block_Between_Signalling_Areas" specified in the requirements specification (ID Eu.CC.2000).		007000 007001 007600 007900 310900																				
Eu.SCI-CC.PDI.580	Info	Telegram definition for command “Manage A Line Block Between Signalling Areas” <table><tr><th>Byte / Bit</th><th>Content</th></tr><tr><td>00</td><td>Protocol Type: 0x70 (1 Byte binary)</td></tr><tr><td>01..02</td><td>Message Type: 0x0050 or 0X0055 (2 Bytes binary)</td></tr><tr><td>03..22</td><td>Sender: TCS Identifier (20 Bytes text)</td></tr><tr><td>23..42</td><td>Receiver: ILS Identifier (20 Bytes text)</td></tr><tr><td>43..44</td><td>TAN (2 Bytes binary)</td></tr><tr><td>45</td><td>Information Type: 0x68 (1 Byte binary)</td></tr><tr><td>46..65</td><td>Line Block ID (20 Bytes text)</td></tr><tr><td>66</td><td>Instruction (1 Byte binary)</td></tr><tr><td>67</td><td>Command User (1 Byte binary)</td></tr></table>		Byte / Bit	Content	00	Protocol Type: 0x70 (1 Byte binary)	01..02	Message Type: 0x0050 or 0X0055 (2 Bytes binary)	03..22	Sender: TCS Identifier (20 Bytes text)	23..42	Receiver: ILS Identifier (20 Bytes text)	43..44	TAN (2 Bytes binary)	45	Information Type: 0x68 (1 Byte binary)	46..65	Line Block ID (20 Bytes text)	66	Instruction (1 Byte binary)	67	Command User (1 Byte binary)	007000 007001 007600 007900 310900
Byte / Bit	Content																							
00	Protocol Type: 0x70 (1 Byte binary)																							
01..02	Message Type: 0x0050 or 0X0055 (2 Bytes binary)																							
03..22	Sender: TCS Identifier (20 Bytes text)																							
23..42	Receiver: ILS Identifier (20 Bytes text)																							
43..44	TAN (2 Bytes binary)																							
45	Information Type: 0x68 (1 Byte binary)																							
46..65	Line Block ID (20 Bytes text)																							
66	Instruction (1 Byte binary)																							
67	Command User (1 Byte binary)																							

ID	Type	Requirement	Appl.
Eu.SCI-CC.PDI.581	Req	<b>Message Type</b> Bytes 01 and 02 shall be set to 0x0050 or 0x0055 as defined in section 3.4.1.	007000 007001 007600 007900 310900
Eu.SCI-CC.PDI.582	Req	<b>Sender Identifier</b> The message bytes 03..22 shall contain the technical identifier of the TCS according to section 3.2.	007000 007001 007600 007900 310900
Eu.SCI-CC.PDI.583	Req	<b>Receiver Identifier</b> The message bytes 23..42 shall contain the technical identifier of the Subsystem - Electronic Interlocking according to section 3.2.	007000 007001 007600 007900 310900
Eu.SCI-CC.PDI.3360	Req	<b>TAN</b> Bytes 43 and 44 shall contain a unique transaction number of the command. If the Message Type is set to 0x0055, the transaction number shall be equal to the transaction number used in the command that is being confirmed (see section 3.4.1).	007000 007001 007600 007900 310900
Eu.SCI-CC.PDI.584	Req	<b>Information Type</b> Byte 45 shall be set to 0x68.	007000 007001 007600 007900 310900
Eu.SCI-CC.PDI.585	Req	<b>Line Block ID</b> Bytes 46 to 65 shall contain a unique Line Block identity according to section 3.3.	007000 007001 007600 007900 310900
Eu.SCI-CC.PDI.586	Req	<b>Instruction</b> Byte 66 shall be set to one of the following values:  value                      information -----                      -----	007000 007001 007600 007900 310900
Eu.SCI-CC.PDI.587	Req	0x01                      initiate manual release	007000 007001 007600 007900 310900
Eu.SCI-CC.PDI.588	Req	0x02                      block line for route setting	007000 007001 007600 007900
Eu.SCI-CC.PDI.589	Req	0x03                      block direction change	310900
Eu.SCI-CC.PDI.590	Req	0x04                      unblock line for route setting	007000 007001 007600 007900
Eu.SCI-CC.PDI.591	Req	0x05                      unblock direction change	310900
Eu.SCI-CC.PDI.592	Req	0x06                      change direction	007000 007001 007600 007900 310900
Eu.SCI-CC.PDI.593	Req	0x07                      enable block basic position	007900
Eu.SCI-CC.PDI.594	Req	0x08                      enable block basic position for line block signal	007900 310900
Eu.SCI-CC.PDI.595	Req	0x09                      disable block basic position	007900

ID	Type	Requirement		Appl.																		
Eu.SCI-CC.PDI.596	Req	0x0A	block conditions bypass	007900																		
Eu.SCI-CC.PDI.597	Req	0x0B	enable functionality of block bypass	007900																		
Eu.SCI-CC.PDI.598	Req	0x0C	disable functionality of block bypass	007900																		
Eu.SCI-CC.PDI.599	Req	0x0D	cancellation of stored block direction change	007900																		
Eu.SCI-CC.PDI.600	Req	0x0E	change block direction - auxiliary command	007900 310900																		
Eu.SCI-CC.PDI.601	Req	<b>Command User</b> The message byte 67 shall be set to one of the following values:  value            meaning -----        -		007000 007001 007600 007900 310900																		
Eu.SCI-CC.PDI.602	Req	0x01	Automatic Route Setting (ARS) System	007900 310900																		
Eu.SCI-CC.PDI.603	Req	0x02	other (e.g. Signaller)	007900 310900																		
Eu.SCI-CC.PDI.604	Req	0xFE	not specified	007000 007001 007600 007900 310900																		
Eu.SCI-CC.PDI.385	Head	<b>3.5.6.9 Command “Manage A Static Lockable Device”</b>		007000 007001 007600 007900 310900																		
Eu.SCI-CC.PDI.2220	Info	This telegram refines the InformationFlow "Cd_Manage_A_Static_Lockable_Device" specified in the requirements specification (ID Eu.CC.2003).		007000 007001 007600 007900 310900																		
Eu.SCI-CC.PDI.386	Info	Telegram definition for command “Manage A Static Lockable Device” <table><tr><th>Byte / Bit</th><th>Content</th></tr><tr><td>00</td><td>Protocol Type: 0x70 (1 Byte binary)</td></tr><tr><td>01..02</td><td>Message Type: 0x0050 or 0X0055 (2 Bytes binary)</td></tr><tr><td>03..22</td><td>Sender: TCS Identifier (20 Bytes text)</td></tr><tr><td>23..42</td><td>Receiver: ILS Identifier (20 Bytes text)</td></tr><tr><td>43..44</td><td>TAN (2 Bytes binary)</td></tr><tr><td>45</td><td>Information Type: 0x3F (1 Byte binary)</td></tr><tr><td>46..65</td><td>Static Lockable Device ID (20 Bytes text)</td></tr><tr><td>66</td><td>Instruction (1 Byte binary)</td></tr></table>		Byte / Bit	Content	00	Protocol Type: 0x70 (1 Byte binary)	01..02	Message Type: 0x0050 or 0X0055 (2 Bytes binary)	03..22	Sender: TCS Identifier (20 Bytes text)	23..42	Receiver: ILS Identifier (20 Bytes text)	43..44	TAN (2 Bytes binary)	45	Information Type: 0x3F (1 Byte binary)	46..65	Static Lockable Device ID (20 Bytes text)	66	Instruction (1 Byte binary)	007000 007001 007600 007900 310900
Byte / Bit	Content																					
00	Protocol Type: 0x70 (1 Byte binary)																					
01..02	Message Type: 0x0050 or 0X0055 (2 Bytes binary)																					
03..22	Sender: TCS Identifier (20 Bytes text)																					
23..42	Receiver: ILS Identifier (20 Bytes text)																					
43..44	TAN (2 Bytes binary)																					
45	Information Type: 0x3F (1 Byte binary)																					
46..65	Static Lockable Device ID (20 Bytes text)																					
66	Instruction (1 Byte binary)																					
Eu.SCI-CC.PDI.387	Req	<b>Message Type</b> Bytes 01 and 02 shall be set to 0x0050 or 0x0055 as defined in section 3.4.1.		007000 007001 007600 007900 310900																		
Eu.SCI-CC.PDI.388	Req	<b>Sender Identifier</b> The message bytes 03..22 shall contain the technical identifier of the TCS according to section 3.2.		007000 007001 007600 007900 310900																		
Eu.SCI-CC.PDI.389	Req	<b>Receiver Identifier</b> The message bytes 23..42 shall contain the technical identifier of the Subsystem - Electronic Interlocking according to section 3.2.		007000 007001 007600 007900 310900																		

ID	Type	Requirement	Appl.																		
Eu.SCI-CC.PDI.3361	Req	<b>TAN</b> Bytes 43 and 44 shall contain a unique transaction number of the command. If the Message Type is set to 0x0055, the transaction number shall be equal to the transaction number used in the command that is being confirmed (see section 3.4.1).	007000 007001 007600 007900 310900																		
Eu.SCI-CC.PDI.390	Req	<b>Information Type</b> Byte 45 shall be set to 0x3F.	007000 007001 007600 007900 310900																		
Eu.SCI-CC.PDI.391	Req	<b>Static Lockable Device ID</b> Bytes 46 to 65 shall contain a unique Static Lockable Device identity according to section 3.3.	007000 007001 007600 007900 310900																		
Eu.SCI-CC.PDI.392	Req	<b>Instruction</b> Byte 66 shall be set to one of the following values:  value            meaning -----        -----	007000 007001 007600 007900 310900																		
Eu.SCI-CC.PDI.393	Req	0x01            release	007000 007001 007600 007900 310900																		
Eu.SCI-CC.PDI.395	Req	0x02            cancel release	007000 007001 007600 007900 310900																		
Eu.SCI-CC.PDI.396	Req	0x03            block command (all trains)	007000 007001 007900																		
Eu.SCI-CC.PDI.397	Req	0x04            unblock command (all trains)	007000 007001 007900																		
Eu.SCI-CC.PDI.398	Req	0x05            block command (electric trains)	007000 007001																		
Eu.SCI-CC.PDI.399	Req	0x06            unblock command (electric trains)	007000 007001																		
Eu.SCI-CC.PDI.432	Head	<b>3.5.6.10 Command “Manage An Auxiliary Object”</b>	007600 310900																		
Eu.SCI-CC.PDI.2224	Info	This telegram refines the InformationFlow "Cd_Manage_An_Auxiliary_Object" specified in the requirements specification (ID Eu.CC.2006).	007600 310900																		
Eu.SCI-CC.PDI.433	Info	Telegram definition for command “Manage An Auxiliary Object” <table><tr><th>Byte / Bit</th><th>Content</th></tr><tr><td>00</td><td>Protocol Type: 0x70 (1 Byte binary)</td></tr><tr><td>01..02</td><td>Message Type: 0x0050 or 0X0055 (2 Bytes binary)</td></tr><tr><td>03..22</td><td>Sender: TCS Identifier (20 Bytes text)</td></tr><tr><td>23..42</td><td>Receiver: ILS Identifier (20 Bytes text)</td></tr><tr><td>43..44</td><td>TAN (2 Bytes binary)</td></tr><tr><td>45</td><td>Information Type: 0x4C (1 Byte binary)</td></tr><tr><td>46..65</td><td>Auxiliary Object ID (20 Bytes text)</td></tr><tr><td>66</td><td>Instruction (1 Byte binary)</td></tr></table>	Byte / Bit	Content	00	Protocol Type: 0x70 (1 Byte binary)	01..02	Message Type: 0x0050 or 0X0055 (2 Bytes binary)	03..22	Sender: TCS Identifier (20 Bytes text)	23..42	Receiver: ILS Identifier (20 Bytes text)	43..44	TAN (2 Bytes binary)	45	Information Type: 0x4C (1 Byte binary)	46..65	Auxiliary Object ID (20 Bytes text)	66	Instruction (1 Byte binary)	007600 310900
Byte / Bit	Content																				
00	Protocol Type: 0x70 (1 Byte binary)																				
01..02	Message Type: 0x0050 or 0X0055 (2 Bytes binary)																				
03..22	Sender: TCS Identifier (20 Bytes text)																				
23..42	Receiver: ILS Identifier (20 Bytes text)																				
43..44	TAN (2 Bytes binary)																				
45	Information Type: 0x4C (1 Byte binary)																				
46..65	Auxiliary Object ID (20 Bytes text)																				
66	Instruction (1 Byte binary)																				
Eu.SCI-CC.PDI.434	Req	<b>Message Type</b> Bytes 01 and 02 shall be set to 0x0050 or 0x0055 as defined in section 3.4.1.	007600 310900																		

ID	Type	Requirement	Appl.																		
Eu.SCI-CC.PDI.435	Req	<b>Sender Identifier</b> The message bytes 03..22 shall contain the technical identifier of the TCS according to section 3.2.	007600 310900																		
Eu.SCI-CC.PDI.436	Req	<b>Receiver Identifier</b> The message bytes 23..42 shall contain the technical identifier of the Subsystem - Electronic Interlocking according to section 3.2.	007600 310900																		
Eu.SCI-CC.PDI.3362	Req	<b>TAN</b> Bytes 43 and 44 shall contain a unique transaction number of the command. If the Message Type is set to 0x0055, the transaction number shall be equal to the transaction number used in the command that is being confirmed (see section 3.4.1).	007600 310900																		
Eu.SCI-CC.PDI.437	Req	<b>Information Type</b> Byte 45 shall be set to 0x4C.	007600 310900																		
Eu.SCI-CC.PDI.442	Req	<b>Auxiliary Object ID</b> Bytes 46 to 65 shall contain a unique Auxiliary Object identity according to section 3.3.	007600 310900																		
Eu.SCI-CC.PDI.438	Req	<b>Instruction</b> Byte 66 shall be set to one of the following values:  value                      meaning -----                      -----	007600 310900																		
Eu.SCI-CC.PDI.439	Req	0x01                      deactivate	007600 310900																		
Eu.SCI-CC.PDI.440	Req	0x02                      activate	007600 310900																		
Eu.SCI-CC.PDI.441	Req	0x03                      by-pass	007600 310900																		
Eu.SCI-CC.PDI.3007	Req	0x04                      disable test	007600 310900																		
Eu.SCI-CC.PDI.3008	Req	0x05                      enable test	007600 310900																		
Eu.SCI-CC.PDI.285	Head	<b>3.5.6.11 Command “Manage A Point Heater”</b>	007000 310900																		
Eu.SCI-CC.PDI.2217	Info	This telegram refines the InformationFlow "Cd_Manage_A_Point_Heater" specified in the requirements specification (ID Eu.CC.2001).	007000 310900																		
Eu.SCI-CC.PDI.286	Info	Telegram definition for command “Manage A Point Heater” <table><tr><th>Byte / Bit</th><th>Content</th></tr><tr><td>00</td><td>Protocol Type: 0x70 (1 Byte binary)</td></tr><tr><td>01..02</td><td>Message Type: 0x0050 or 0x0055 (2 Bytes binary)</td></tr><tr><td>03..22</td><td>Sender: TCS Identifier (20 Bytes text)</td></tr><tr><td>23..42</td><td>Receiver: ILS Identifier (20 Bytes text)</td></tr><tr><td>43..44</td><td>TAN (2 Bytes binary)</td></tr><tr><td>45</td><td>Information Type: 0x67 (1 Byte binary)</td></tr><tr><td>46..65</td><td>Point Heater ID (20 Bytes text)</td></tr><tr><td>66</td><td>Instruction (1 Byte binary)</td></tr></table>	Byte / Bit	Content	00	Protocol Type: 0x70 (1 Byte binary)	01..02	Message Type: 0x0050 or 0x0055 (2 Bytes binary)	03..22	Sender: TCS Identifier (20 Bytes text)	23..42	Receiver: ILS Identifier (20 Bytes text)	43..44	TAN (2 Bytes binary)	45	Information Type: 0x67 (1 Byte binary)	46..65	Point Heater ID (20 Bytes text)	66	Instruction (1 Byte binary)	007000 310900
Byte / Bit	Content																				
00	Protocol Type: 0x70 (1 Byte binary)																				
01..02	Message Type: 0x0050 or 0x0055 (2 Bytes binary)																				
03..22	Sender: TCS Identifier (20 Bytes text)																				
23..42	Receiver: ILS Identifier (20 Bytes text)																				
43..44	TAN (2 Bytes binary)																				
45	Information Type: 0x67 (1 Byte binary)																				
46..65	Point Heater ID (20 Bytes text)																				
66	Instruction (1 Byte binary)																				
Eu.SCI-CC.PDI.287	Req	<b>Message Type</b> Bytes 01 and 02 shall be set to 0x0050 or 0x0055 as defined in section 3.4.1.	007000 310900																		
Eu.SCI-CC.PDI.288	Req	<b>Sender Identifier</b> The message bytes 03..22 shall contain the technical identifier of the TCS according to section 3.2.	007000 310900																		
Eu.SCI-CC.PDI.289	Req	<b>Receiver Identifier</b> The message bytes 23..42 shall contain the technical identifier of the Subsystem - Electronic Interlocking according to section 3.2.	007000 310900																		
Eu.SCI-CC.PDI.3363	Req	<b>TAN</b> Bytes 43 and 44 shall contain a unique transaction number of the command. If the Message Type is set to 0x0055, the transaction number shall be equal to the transaction number used in the command that is being confirmed (see section 3.4.1).	007000 310900																		
Eu.SCI-CC.PDI.290	Req	<b>Information Type</b> Byte 45 shall be set to 0x67.	007000 310900																		

ID	Type	Requirement	Appl.																		
Eu.SCI-CC.PDI.291	Req	<b>Point Heater ID</b> Bytes 46 to 65 shall contain a unique Point or Point Heater identity according to section 3.3.	007000 310900																		
Eu.SCI-CC.PDI.292	Req	<b>Instruction</b> Byte 66 shall be set to one of the following values: value            meaning -----        -----	007000 310900																		
Eu.SCI-CC.PDI.293	Req	0x01            power level 0 (heater off)	007000 310900																		
Eu.SCI-CC.PDI.294	Req	0x02            power level 1	007000 310900																		
Eu.SCI-CC.PDI.295	Req	0x03            power level 2	007000 310900																		
Eu.SCI-CC.PDI.296	Req	0x04            power level 3 (full power)	007000 310900																		
Eu.SCI-CC.PDI.297	Req	0x05            automatic (local thermostat)	007000 310900																		
Eu.SCI-CC.PDI.4052	Req	0x06            Full power, override local thermostat	007000 310900																		
Eu.SCI-CC.PDI.2614	Head	<b>3.5.6.12 Command "Set Predefined Obstruction"</b>	007000																		
Eu.SCI-CC.PDI.2606	Info	This telegram refines the InformationFlow "Cd_Set_Predefined_Obstruction" specified in the requirements specification (ID Eu.CC.2010).	007000																		
Eu.SCI-CC.PDI.2607	Info	Telegram definition for status command “Set Predefined Obstruction” <table><tr><th>Byte / Bit</th><th>Content</th></tr><tr><td>00</td><td>Protocol Type: 0x70 (1 Byte binary)</td></tr><tr><td>01..02</td><td>Message Type: 0x0050 or 0x0055 (2 Bytes binary)</td></tr><tr><td>03..22</td><td>Sender: ILS Identifier (20 Bytes text)</td></tr><tr><td>23..42</td><td>Receiver: TCS Identifier (20 Bytes text)</td></tr><tr><td>43..44</td><td>TAN (2 Bytes binary)</td></tr><tr><td>45</td><td>Information Type: 0x96 (1 Byte binary)</td></tr><tr><td>46..65</td><td>Obstruction ID (20 Bytes text)</td></tr><tr><td>66</td><td>Instruction (1 Byte binary)</td></tr></table>	Byte / Bit	Content	00	Protocol Type: 0x70 (1 Byte binary)	01..02	Message Type: 0x0050 or 0x0055 (2 Bytes binary)	03..22	Sender: ILS Identifier (20 Bytes text)	23..42	Receiver: TCS Identifier (20 Bytes text)	43..44	TAN (2 Bytes binary)	45	Information Type: 0x96 (1 Byte binary)	46..65	Obstruction ID (20 Bytes text)	66	Instruction (1 Byte binary)	007000
Byte / Bit	Content																				
00	Protocol Type: 0x70 (1 Byte binary)																				
01..02	Message Type: 0x0050 or 0x0055 (2 Bytes binary)																				
03..22	Sender: ILS Identifier (20 Bytes text)																				
23..42	Receiver: TCS Identifier (20 Bytes text)																				
43..44	TAN (2 Bytes binary)																				
45	Information Type: 0x96 (1 Byte binary)																				
46..65	Obstruction ID (20 Bytes text)																				
66	Instruction (1 Byte binary)																				
Eu.SCI-CC.PDI.2608	Req	<b>Message Type</b> Bytes 01 and 02 shall be set to 0x0050 or 0x0055.	007000																		
Eu.SCI-CC.PDI.2609	Req	<b>Sender Identifier</b> The message bytes 03..22 shall contain the technical identifier of the Subsystem - Electronic Interlocking according to section 3.2.	007000																		
Eu.SCI-CC.PDI.2610	Req	<b>Receiver Identifier</b> The message bytes 23..42 shall contain the technical identifier of the TCS according to section 3.2.	007000																		
Eu.SCI-CC.PDI.3364	Req	<b>TAN</b> Bytes 43 and 44 shall contain a unique transaction number of the command. If the Message Type is set to 0x0055, the transaction number shall be equal to the transaction number used in the command that is being confirmed (see section 3.4.1).	007000																		
Eu.SCI-CC.PDI.2611	Req	<b>Information Type</b> The message byte 45 shall be set to 0x96.	007000																		
Eu.SCI-CC.PDI.2612	Req	<b>Obstruction ID</b> Bytes 46..65 shall contain the Obstruction identity related to the movement authority, according to section 3.3.	007000																		
Eu.SCI-CC.PDI.2613	Req	<b>Instruction</b> The message byte 66 shall be set to one of the following values:  value            meaning -----        -----	007000																		
Eu.SCI-CC.PDI.2615	Req	0x01            Clear	007000																		
Eu.SCI-CC.PDI.2616	Req	0x02            Obstruction set - Movement Authority associated with degraded class route allowed	007000																		
Eu.SCI-CC.PDI.2617	Req	0x03            Obstruction set - No Movement Authority allowed	007000																		

ID	Type	Requirement	Appl.																		
Eu.SCI-CC.PDI.4058	Head	<b>3.5.6.13 Command "Generic Latches / Bit States"</b>	007000 310900																		
Eu.SCI-CC.PDI.4059	Info	This telegram refines the InformationFlow "Cd_Generic_Latches / _Bit_States" specified in the requirements specification (ID Eu.CC.2084).	007000 310900																		
Eu.SCI-CC.PDI.4060	Info	Telegram definition for status command "Generic Latches / Bit States" <table><tr><th>Byte / Bit</th><th>Content</th></tr><tr><td>00</td><td>Protocol Type: 0x70 (1 Byte binary)</td></tr><tr><td>01..02</td><td>Message Type: 0x0050 or 0x0055 (2 Bytes binary)</td></tr><tr><td>03..22</td><td>Sender: TCS Identifier (20 Bytes text)</td></tr><tr><td>23..42</td><td>Receiver: ILS Identifier (20 Bytes text)</td></tr><tr><td>43..44</td><td>TAN (2 Bytes binary)</td></tr><tr><td>45</td><td>Information Type: 0x99 (1 Byte binary)</td></tr><tr><td>46..65</td><td>Latch ID (19 Bytes text)</td></tr><tr><td>66</td><td>Instruction (1 Byte binary)</td></tr></table>	Byte / Bit	Content	00	Protocol Type: 0x70 (1 Byte binary)	01..02	Message Type: 0x0050 or 0x0055 (2 Bytes binary)	03..22	Sender: TCS Identifier (20 Bytes text)	23..42	Receiver: ILS Identifier (20 Bytes text)	43..44	TAN (2 Bytes binary)	45	Information Type: 0x99 (1 Byte binary)	46..65	Latch ID (19 Bytes text)	66	Instruction (1 Byte binary)	007000 310900
Byte / Bit	Content																				
00	Protocol Type: 0x70 (1 Byte binary)																				
01..02	Message Type: 0x0050 or 0x0055 (2 Bytes binary)																				
03..22	Sender: TCS Identifier (20 Bytes text)																				
23..42	Receiver: ILS Identifier (20 Bytes text)																				
43..44	TAN (2 Bytes binary)																				
45	Information Type: 0x99 (1 Byte binary)																				
46..65	Latch ID (19 Bytes text)																				
66	Instruction (1 Byte binary)																				
Eu.SCI-CC.PDI.4061	Req	<b>Message Type</b> Bytes 01 and 02 shall be set to 0x0050 or 0x0055.	007000 310900																		
Eu.SCI-CC.PDI.4062	Req	<b>Sender Identifier</b> The message bytes 03..22 shall contain the technical identifier of the TCS according to section 3.2.	007000 310900																		
Eu.SCI-CC.PDI.4063	Req	<b>Receiver Identifier</b> The message bytes 23..42 shall contain the technical identifier of the Subsystem - Electronic Interlocking according to section 3.2.	007000 310900																		
Eu.SCI-CC.PDI.4104	Req	<b>TAN</b> Bytes 43 and 44 shall contain a unique transaction number of the command. If the Message Type is set to 0x0055, the transaction number shall be equal to the transaction number used in the command that is being confirmed (see section 3.4.1).	007000 310900																		
Eu.SCI-CC.PDI.4064	Req	<b>Information Type</b> The message byte 45 shall be set to 0x99.	007000 310900																		
Eu.SCI-CC.PDI.4065	Req	<b>Latch ID</b> Bytes 46..65 shall contain the Latch identity.	007000 310900																		
Eu.SCI-CC.PDI.4067	Req	<b>Instruction</b> The message byte 66 shall be set to one of the following values: <table><tr><td>value</td><td>meaning</td></tr><tr><td>-----</td><td>-----</td></tr></table>	value	meaning	-----	-----	007000 310900														
value	meaning																				
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Eu.SCI-CC.PDI.4068	Req	<table><tr><td>0x01</td><td>Unset</td></tr></table>	0x01	Unset	007000 310900																
0x01	Unset																				
Eu.SCI-CC.PDI.4069	Req	<table><tr><td>0x02</td><td>Set</td></tr></table>	0x02	Set	007000 310900																
0x02	Set																				
Eu.SCI-CC.PDI.949	Head	<b>3.5.6.14 Message "Powered Moveable Element Status"</b>	Default																		
Eu.SCI-CC.PDI.2257	Info	This telegram refines the InformationFlow "Msg_Powered_Moveable_Element_Status" specified in the requirements specification (ID Eu.CC.2019).	Default																		
Eu.SCI-CC.PDI.950	Info	Telegram definition for status message "Powered Moveable Element Status"	Default																		

ID	Type	Requirement				Appl.																																																																																																																																																																
		<table><tr><th>Byte / Bit</th><th colspan="4">Content</th></tr><tr><td>00</td><td colspan="4">Protocol Type: 0x70 (1 Byte binary)</td></tr><tr><td>01..02</td><td colspan="4">Message Type: 0x0040 (2 Bytes binary)</td></tr><tr><td>03..22</td><td colspan="4">Sender: ILS Identifier (20 Bytes text)</td></tr><tr><td>23..42</td><td colspan="4">Receiver: TCS Identifier (20 Bytes text)</td></tr><tr><td>43</td><td colspan="4">Information Type: 0x04 (1 Byte binary)</td></tr><tr><td>44..63</td><td colspan="4">Powered Moveable Element ID (20 Bytes text)</td></tr><tr><td>64</td><td colspan="4">Active Control (1 Byte binary)</td></tr><tr><td>65</td><td colspan="4">TCS Commanded (1 Byte binary)</td></tr><tr><td>66</td><td colspan="4">ILS Commanded (1 Byte binary)</td></tr><tr><td>67</td><td colspan="4">Detected Position (1 Byte binary)</td></tr><tr><td>68</td><td colspan="4">Blocked against moving (1 Byte binary)</td></tr><tr><td>69</td><td colspan="4">Blocked against route setting (1 Byte binary)</td></tr><tr><td>70</td><td colspan="4">Maintainer blocked (1 Byte binary)</td></tr><tr><td>71</td><td colspan="4">Used/locked (1 Byte binary)</td></tr><tr><td>72</td><td colspan="4">Flank protection (1 Byte binary)</td></tr><tr><td>73</td><td colspan="4">Flank receive (1 Byte binary)</td></tr><tr><td>74</td><td colspan="4">Route Type (1 Byte binary)</td></tr><tr><td>75</td><td colspan="4">Overlap Type (1 Byte binary)</td></tr><tr><td>76</td><td colspan="4">Occupied (1 Byte binary)</td></tr><tr><td>77</td><td colspan="4">Fragmented (1 Byte binary)</td></tr><tr><td>78</td><td colspan="4">Fouled (1 Byte binary)</td></tr><tr><td>79</td><td colspan="4">Reminder to Move to a Default (protective) Position (1 Byte binary)</td></tr><tr><td>80</td><td colspan="4">OHL Groupset applicability (1 Byte binary)</td></tr><tr><td>81..100</td><td colspan="4">OHL Groupset ID (20 Bytes text)</td></tr><tr><td>101</td><td>EC04</td><td>EC03</td><td>EC02</td><td>EC01</td></tr><tr><td>102</td><td>EC05(4)</td><td>EC05(3)</td><td>EC05(2)</td><td>EC05(1)</td></tr><tr><td>103</td><td>EC07(2)</td><td>EC07(1)</td><td>EC06</td><td>EC05(5)</td></tr><tr><td>104</td><td>EC07(6)</td><td>EC07(5)</td><td>EC07(4)</td><td>EC07(3)</td></tr><tr><td>105</td><td>EC11</td><td>EC10</td><td>EC09</td><td>EC08</td></tr><tr><td>106</td><td colspan="2"></td><td>EC13</td><td>EC12</td></tr><tr><td>107</td><td colspan="4">Prepared Route Type and Position (1 Byte binary)</td></tr></table>				Byte / Bit	Content				00	Protocol Type: 0x70 (1 Byte binary)				01..02	Message Type: 0x0040 (2 Bytes binary)				03..22	Sender: ILS Identifier (20 Bytes text)				23..42	Receiver: TCS Identifier (20 Bytes text)				43	Information Type: 0x04 (1 Byte binary)				44..63	Powered Moveable Element ID (20 Bytes text)				64	Active Control (1 Byte binary)				65	TCS Commanded (1 Byte binary)				66	ILS Commanded (1 Byte binary)				67	Detected Position (1 Byte binary)				68	Blocked against moving (1 Byte binary)				69	Blocked against route setting (1 Byte binary)				70	Maintainer blocked (1 Byte binary)				71	Used/locked (1 Byte binary)				72	Flank protection (1 Byte binary)				73	Flank receive (1 Byte binary)				74	Route Type (1 Byte binary)				75	Overlap Type (1 Byte binary)				76	Occupied (1 Byte binary)				77	Fragmented (1 Byte binary)				78	Fouled (1 Byte binary)				79	Reminder to Move to a Default (protective) Position (1 Byte binary)				80	OHL Groupset applicability (1 Byte binary)				81..100	OHL Groupset ID (20 Bytes text)				101	EC04	EC03	EC02	EC01	102	EC05(4)	EC05(3)	EC05(2)	EC05(1)	103	EC07(2)	EC07(1)	EC06	EC05(5)	104	EC07(6)	EC07(5)	EC07(4)	EC07(3)	105	EC11	EC10	EC09	EC08	106			EC13	EC12	107	Prepared Route Type and Position (1 Byte binary)				
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107	Prepared Route Type and Position (1 Byte binary)																																																																																																																																																																					
Eu.SCI-CC.PDI.951	Req	<b>Message Type</b> Bytes 01 and 02 shall be set to 0x0040.				Default																																																																																																																																																																
Eu.SCI-CC.PDI.952	Req	<b>Sender Identifier</b> The message bytes 03..22 shall contain the technical identifier of the Subsystem - Electronic Interlocking according to section 3.2.				Default																																																																																																																																																																
Eu.SCI-CC.PDI.953	Req	<b>Receiver Identifier</b> The message bytes 23..42 shall contain the technical identifier of the TCS according to section 3.2.				Default																																																																																																																																																																
Eu.SCI-CC.PDI.954	Req	<b>Information Type</b> Byte 43 shall be set to 0x04.				Default																																																																																																																																																																
Eu.SCI-CC.PDI.955	Req	<b>Powered Moveable Element ID</b> Bytes 44..63 shall contain the Powered Moveable Element identity according to section 3.3.				Default																																																																																																																																																																
Eu.SCI-CC.PDI.2789	Req	<b>Active Control</b> Byte 64 shall be set to one of the following values:  value            meaning -----        -----				Default																																																																																																																																																																
Eu.SCI-CC.PDI.2790	Req	0x01	not in active control			Default																																																																																																																																																																
Eu.SCI-CC.PDI.2791	Req	0x02	in active control			Default																																																																																																																																																																
Eu.SCI-CC.PDI.3387	Info	Note: When byte 64 is set to 0x01 then the information contained within this telegram should be considered as “last known”.				Default																																																																																																																																																																
Eu.SCI-CC.PDI.956	Req	<b>TCS Commanded</b> The message byte 65 shall be set to the one of the following values:  value            meaning -----        -----				Default																																																																																																																																																																
Eu.SCI-CC.PDI.957	Req	0x01	commanded Right by TCS			007000 007001 008700																																																																																																																																																																
Eu.SCI-CC.PDI.960	Req	0x02	commanded Left by TCS			007000 007001 008700																																																																																																																																																																
Eu.SCI-CC.PDI.958	Req	0x03	not commanded right or left by TCS			007000 007001 008700																																																																																																																																																																



ID	Type	Requirement	Appl.
Eu.SCI-CC.PDI.2391	Req	0xFF            TCS Commanded not applicable	007600 007900 008700 310900
Eu.SCI-CC.PDI.962	Req	<b>ILS Commanded</b> The message byte 66 shall be set to the one of the following values:  value            meaning -----        -----	Default
Eu.SCI-CC.PDI.963	Req	0x01            commanded Right by ILS	Default
Eu.SCI-CC.PDI.966	Req	0x02            commanded Left by ILS	Default
Eu.SCI-CC.PDI.964	Req	0x03            not commanded right or left by ILS	Default
Eu.SCI-CC.PDI.968	Req	<b>Detected Position</b> The message byte 67 shall be set to the one of the following values:  value            meaning -----        -----	Default
Eu.SCI-CC.PDI.970	Req	0x01            failed	007000 007001 007900 008700 310900
Eu.SCI-CC.PDI.971	Req	0x02            not detected	Default
Eu.SCI-CC.PDI.972	Req	0x03            timeout	007900 008700 310900
Eu.SCI-CC.PDI.973	Req	0x04            moving	007600 007900 008700 310900
Eu.SCI-CC.PDI.974	Req	0x05            trailed	007600 007900 310900
Eu.SCI-CC.PDI.975	Req	0x06            detected Left	Default
Eu.SCI-CC.PDI.976	Req	0x07            detected Right	Default
Eu.SCI-CC.PDI.977	Req	0x08            detected On-rail	007600 007900 008700 310900
Eu.SCI-CC.PDI.978	Req	0x09            detected Off-rail	007600 007900 008700 310900
Eu.SCI-CC.PDI.979	Req	<b>Blocked against Moving</b> The message byte 68 shall be set to the one of the following values:  value            meaning -----        -----	007000 007001 007600 007900 008700 310900 999900
Eu.SCI-CC.PDI.980	Req	0x01            blocked against moving	007000 007001 007600 007900 008700 310900 999900
Eu.SCI-CC.PDI.981	Req	0x02            not blocked against moving	007000 007001 007600 007900 008700 310900 999900

ID	Type	Requirement	Appl.
Eu.SCI-CC.PDI.2814	Req	0xFF            blocked against moving not applicable	007000 007600 007900 008700 310900
Eu.SCI-CC.PDI.982	Req	<b>Blocked against Route setting</b> The message byte 69 bits 0 to 3 shall be set to one of the following values:  value            meaning -----        -----	007000 007001 007600 007900 008700 310900 999900
Eu.SCI-CC.PDI.983	Req	0x1            blocked against route setting (all trains)	007000 007600 007900 310900
Eu.SCI-CC.PDI.984	Req	0x2            not blocked against route setting (all trains)	007000 007600 007900 310900
Eu.SCI-CC.PDI.985	Req	The message byte 69 bits 4 to 7 shall be set to one of the following values:  value            meaning -----        -----	007000 007600 007900 008700 310900
Eu.SCI-CC.PDI.986	Req	0x1            blocked against route setting (electric trains only)	007000
Eu.SCI-CC.PDI.987	Req	0x2            not blocked against route setting (electric trains only)	007000
Eu.SCI-CC.PDI.2498	Req	0xF            Blocked against Route setting (electric trains only) not applicable	007600 007900 008700 310900
Eu.SCI-CC.PDI.988	Req	<b>Maintainer Blocked</b> The message byte 70 shall be set to the one of the following values:  value            meaning -----        -----	Default
Eu.SCI-CC.PDI.989	Req	0x01           blocked in right position by maintainer	007000
Eu.SCI-CC.PDI.992	Req	0x02           blocked in left position by maintainer	007000
Eu.SCI-CC.PDI.990	Req	0x03           not blocked by maintainer	007000
Eu.SCI-CC.PDI.2393	Req	0xFF           Maintainer Blocked not applicable	007001 007600 007900 008700 310900
Eu.SCI-CC.PDI.994	Req	<b>Used/Locked</b> The message byte 71 shall be set to the one of the following values:  value            meaning -----        -----	Default
Eu.SCI-CC.PDI.995	Req	0x01           not used and not locked and not released	007600 007900 310900
Eu.SCI-CC.PDI.996	Req	0x02           used	007000 007900 310900
Eu.SCI-CC.PDI.997	Req	0x03           locked	007600 310900

ID	Type	Requirement	Appl.
Eu.SCI-CC.PDI.3141	Req	0x04            released for local operation	007000 007600 007900 310900
Eu.SCI-CC.PDI.2815	Req	0xFF            Used / Locked not applicable	007000 007001 007900 008700 310900
Eu.SCI-CC.PDI.998	Req	<b>Flank Protection</b> The message byte 72 shall be set to one of the following values:  value            meaning -----        -----	Default
Eu.SCI-CC.PDI.999	Req	0x01            does not provide flank protection	007600 007900 310900
Eu.SCI-CC.PDI.1000	Req	0x02            does provide Flank Protection	007600 007900 310900
Eu.SCI-CC.PDI.2394	Req	0xFF            Flank Protection not applicable	007000 007001 007600 008700
Eu.SCI-CC.PDI.1001	Req	<b>Flank Receive</b> The message byte 73 shall be set to one of the following values:  value            meaning -----        -----	Default
Eu.SCI-CC.PDI.1002	Req	0x01            does not receive flank protection from a flank protecting object	007600 007900 310900
Eu.SCI-CC.PDI.1003	Req	0x02            does receive flank protection from a flank protecting object	007600 007900 310900
Eu.SCI-CC.PDI.2395	Req	0xFF            Flank Receive not applicable	007000 007001 008700
Eu.SCI-CC.PDI.2781	Req	<b>Route Type</b> The message byte 74 shall be set to one of the following values:  value            meaning -----        -----	007000 007600 007900 008700 310900
Eu.SCI-CC.PDI.3015	Req	0x01            no route	007000 007600 007900 310900
Eu.SCI-CC.PDI.3016	Req	0x02            Main route	007000 007600 007900 310900
Eu.SCI-CC.PDI.3017	Req	0x03            Shunting route	007000 007600 007900 310900
Eu.SCI-CC.PDI.3018	Req	0x04            Warning route	007000
Eu.SCI-CC.PDI.3019	Req	0x05            On-Sight / Call-on route	007000 007600 007900 310900

ID	Type	Requirement	Appl.
Eu.SCI-CC.PDI.3020	Req	0x06            Staff-Responsible route	007000 007600
Eu.SCI-CC.PDI.2784	Req	0xFF            Route Type not applicable	007000 007900 008700 310900
Eu.SCI-CC.PDI.2769	Req	<b>Overlap Type</b> The message byte 75 shall be set to the one of the following values:  value            meaning -----        -----	007000 007600 007900 008700 310900
Eu.SCI-CC.PDI.2770	Req	0x01            no route	007600 310900
Eu.SCI-CC.PDI.2771	Req	0x02            Main route	007600 310900
Eu.SCI-CC.PDI.2775	Req	0x05            OS/Call-on route	007600
Eu.SCI-CC.PDI.2773	Req	0xFF            Overlap Type not applicable	007000 007900 008700
Eu.SCI-CC.PDI.3021	Req	<b>Occupied</b> The message byte 76 shall be set to one of the following values:  value            meaning -----        -----	007000 007600 007900 008700 310900
Eu.SCI-CC.PDI.3022	Req	0x01            Occupied	007000 007600 007900 310900
Eu.SCI-CC.PDI.3023	Req	0x02            Not Occupied	007000 007600 007900 310900
Eu.SCI-CC.PDI.3024	Req	0x03            Disturbed	007000 007600 007900 310900
Eu.SCI-CC.PDI.3025	Req	0xFF            Occupied not applicable	007000 007900 008700 310900
Eu.SCI-CC.PDI.1004	Req	<b>Fragmented</b> The message byte 77 shall be set to one of the following values:  value            meaning -----        -----	Default
Eu.SCI-CC.PDI.1009	Req	0x01            fragmented, timer is running	007900
Eu.SCI-CC.PDI.1008	Req	0x02            fragmented, timer is not running	007900
Eu.SCI-CC.PDI.1005	Req	0x03            not fragmented	007900
Eu.SCI-CC.PDI.1006	Req	0xFF            Fragmented not applicable	007000 007001 007600 008700 310900
Eu.SCI-CC.PDI.1010	Req	<b>Fouled</b> The message byte 78 shall be set to one of the following values:  value            meaning -----        -----	Default

ID	Type	Requirement		Appl.
Eu.SCI-CC.PDI.1012	Req	0x01	fouled Right	007900 310900
Eu.SCI-CC.PDI.1015	Req	0x02	fouled Left	007900 310900
Eu.SCI-CC.PDI.1011	Req	0x03	not fouled	007900 310900
Eu.SCI-CC.PDI.1014	Req	0x04	fouled Right and fouled Left	007900 310900
Eu.SCI-CC.PDI.2396	Req	0xFF	Fouled not applicable	007000 007001 007600 008700
Eu.SCI-CC.PDI.2165	Req	<b>Reminder to Move to a Default (protective) Position</b> The message byte 79 shall be set to one of the following values:  value            meaning -----      -----		Default
Eu.SCI-CC.PDI.2166	Req	0x01	Reminder to move to a default (protective) position	999900
Eu.SCI-CC.PDI.2167	Req	0x02	No reminder to move to a default (protective) position	999900
Eu.SCI-CC.PDI.2397	Req	0xFF	Reminder to move to a default (protective) position not applicable	Default
Eu.SCI-CC.PDI.2464	Req	<b>OHL Groupset applicability</b> Byte 80 shall be set to one of the following values:  value            meaning -----      -----		Default
Eu.SCI-CC.PDI.2465	Req	0x01	Moveable element is part of an OHL groupset	999900
Eu.SCI-CC.PDI.2466	Req	0x02	Moveable element is not part of an OHL groupset	999900
Eu.SCI-CC.PDI.2467	Req	0xFF	OHL Groupset not applicable	Default
Eu.SCI-CC.PDI.1016	Req	<b>OHL Groupset ID</b> Where byte 80 is equal to 0x01 (Moveable element is part of an OHL groupset) then bytes 81 to 100 shall contain the relevant OHL Groupset ID, according to section 3.3. 20 times the NULL character (0x00) shall not be used to identify an OHL Groupset.		999900
Eu.SCI-CC.PDI.2168	Req	Where byte 80 is equal to 0x02 (Moveable element is not part of an OHL groupset) or 0xFF (OHL Groupset not applicable) then the bytes 81 to 100 shall contain 20 times the NULL character (0x00).		007000 007600 007900 008700 310900
Eu.SCI-CC.PDI.2481	Req	<b>EC Route blocking</b> The message bytes 101 to 106 shall be set to one of the following values:  value                    meaning -----                  -----		Default
Eu.SCI-CC.PDI.2482	Req	0xFFFF FFFF FFFF	EC Route blocking not applicable	Default
Eu.SCI-CC.PDI.2483	Req	Where EC Route blocking is applicable, the bytes 101 to 106 shall be set as specified in the remainder of this section.		999900
Eu.SCI-CC.PDI.1986	Req	<b>EC01</b> The message byte 101 bits 0 and 1 be set to one of the following values:  value            meaning -----      -----		999900
Eu.SCI-CC.PDI.1988	Req	01	blocking set for “EC01: No access”	999900
Eu.SCI-CC.PDI.1987	Req	10	blocking not set for “EC01: No access”	999900
Eu.SCI-CC.PDI.1989	Req	<b>EC02</b> The message byte 101 bits 2 and 3 shall be set to one of the following values:  value            meaning -----      -----		999900
Eu.SCI-CC.PDI.1991	Req	01	blocking set for "EC02: Work track”	999900

ID	Type	Requirement	Appl.
Eu.SCI-CC.PDI.1990	Req	10            blocking not set for “EC02: Work track”	999900
Eu.SCI-CC.PDI.1992	Req	<b>EC03</b> The message byte 101 bits 4 and 5 shall be set to one of the following values:  value            meaning -----        -----	999900
Eu.SCI-CC.PDI.1994	Req	01            blocking set for “EC03: Track out of service”	999900
Eu.SCI-CC.PDI.1993	Req	10            blocking not set for “EC03: Track out of service”	999900
Eu.SCI-CC.PDI.1995	Req	<b>EC04</b> The message byte 101 bits 6 and 7 shall be set to one of the following values:  value            meaning -----        -----	999900
Eu.SCI-CC.PDI.1997	Req	01            blocking set for “EC04: Emergency train”	999900
Eu.SCI-CC.PDI.1996	Req	10            blocking not set for “EC04: Emergency train”	999900
Eu.SCI-CC.PDI.1998	Req	<b>EC05(1)</b> The message byte 102 bits 0 and 1 shall be set to one of the following values:  value            meaning -----        -----	999900
Eu.SCI-CC.PDI.2000	Req	01            blocking set for “EC05(1): Secondary vehicle”	999900
Eu.SCI-CC.PDI.1999	Req	10            blocking not set for “EC05(1): Secondary vehicle”	999900
Eu.SCI-CC.PDI.2001	Req	<b>EC05(2)</b> The message byte 102 bits 2 and 3 shall be set to one of the following values:  value            meaning -----        -----	999900
Eu.SCI-CC.PDI.2003	Req	01            blocking set for “EC05(2): Secondary vehicle”	999900
Eu.SCI-CC.PDI.2002	Req	10            blocking not set for “EC05(2): Secondary vehicle”	999900
Eu.SCI-CC.PDI.2004	Req	<b>EC05(3)</b> The message byte 102 bits 4 and 5 shall be set to one of the following values:  value            meaning -----        -----	999900
Eu.SCI-CC.PDI.2006	Req	01            blocking set for “EC05(3): Secondary vehicle”	999900
Eu.SCI-CC.PDI.2005	Req	10            blocking not set for “EC05(3): Secondary vehicle”	999900
Eu.SCI-CC.PDI.2007	Req	<b>EC05(4)</b> The message byte 102 bits 6 and 7 shall be set to one of the following values:  value            meaning -----        -----	999900
Eu.SCI-CC.PDI.2009	Req	01            blocking set for “EC05(4): Secondary vehicle”	999900
Eu.SCI-CC.PDI.2008	Req	10            blocking not set for “EC05(4): Secondary vehicle”	999900
Eu.SCI-CC.PDI.2010	Req	<b>EC05(5)</b> The message byte 103 bits 0 and 1 shall be set to one of the following values:  value            meaning -----        -----	999900
Eu.SCI-CC.PDI.2012	Req	01            blocking set for “EC05(5): Secondary vehicle”	999900
Eu.SCI-CC.PDI.2011	Req	10            blocking not set for “EC05(5): Secondary vehicle”	999900
Eu.SCI-CC.PDI.2016	Req	<b>EC06</b> The message byte 103 bits 2 and 3 shall be set to one of the following values:  value            meaning -----        -----	999900

ID	Type	Requirement	Appl.
Eu.SCI-CC.PDI.2018	Req	01            blocking set for “EC06: Team”	999900
Eu.SCI-CC.PDI.2017	Req	10            blocking not set for “EC06: Team”	999900
Eu.SCI-CC.PDI.2019	Req	<b>EC07(1)</b> The message byte 103 bits 4 and 5 shall be set to one of the following values:  value            meaning -----        -----	999900
Eu.SCI-CC.PDI.2021	Req	01            blocking set for “EC07(1): Level crossing”	999900
Eu.SCI-CC.PDI.2020	Req	10            blocking not set for “EC07(1): Level crossing”	999900
Eu.SCI-CC.PDI.2022	Req	<b>EC07(2)</b> The message byte 103 bits 6 and 7 shall be set to one of the following values:  value            meaning -----        -----	999900
Eu.SCI-CC.PDI.2024	Req	01            blocking set for “EC07(2): Level crossing”	999900
Eu.SCI-CC.PDI.2023	Req	10            blocking not set for “EC07(2): Level crossing”	999900
Eu.SCI-CC.PDI.2025	Req	<b>EC07(3)</b> The message byte 104 bits 0 and 1 shall be set to one of the following values:  value            meaning -----        -----	999900
Eu.SCI-CC.PDI.2027	Req	01            blocking set for “EC07(3): Level crossing”	999900
Eu.SCI-CC.PDI.2026	Req	10            blocking not set for “EC07(3): Level crossing”	999900
Eu.SCI-CC.PDI.2028	Req	<b>EC07(4)</b> The message byte 104 bits 2 and 3 shall be set to one of the following values:  value            meaning -----        -----	999900
Eu.SCI-CC.PDI.2030	Req	01            blocking set for “EC07(4): Level crossing”	999900
Eu.SCI-CC.PDI.2029	Req	10            blocking not set for “EC07(4): Level crossing”	999900
Eu.SCI-CC.PDI.2031	Req	<b>EC07(5)</b> The message byte 104 bits 4 and 5 shall be set to one of the following values:  value            meaning -----        -----	999900
Eu.SCI-CC.PDI.2033	Req	01            blocking set for “EC07(5): Level crossing”	999900
Eu.SCI-CC.PDI.2032	Req	10            blocking not set for “EC07(5): Level crossing”	999900
Eu.SCI-CC.PDI.2186	Req	<b>EC07(6)</b> The message byte 104 bits 6 and 7 shall be set to one of the following values:  value            meaning -----        -----	999900
Eu.SCI-CC.PDI.2187	Req	01            blocking set for “EC07(6): Level crossing”	999900
Eu.SCI-CC.PDI.2188	Req	10            blocking not set for “EC07(6): Level crossing”	999900
Eu.SCI-CC.PDI.2034	Req	<b>EC08</b> The message byte 105 bits 0 and 1 shall be set to one of the following values:  value            meaning -----        -----	999900
Eu.SCI-CC.PDI.2036	Req	01            blocking set for “EC08: Vacancy check”	999900
Eu.SCI-CC.PDI.2035	Req	10            blocking not set for “EC08: Vacancy check”	999900

ID	Type	Requirement	Appl.				
Eu.SCI-CC.PDI.2037	Req	<b>EC09</b> The message byte 105 bits 2 and 3 shall be set to one of the following values: <table><tr><td>value</td><td>meaning</td></tr><tr><td>-----</td><td>-----</td></tr></table>	value	meaning	-----	-----	999900
value	meaning						
-----	-----						
Eu.SCI-CC.PDI.2039	Req	01            blocking set for “EC09: Route check”	999900				
Eu.SCI-CC.PDI.2038	Req	10            blocking not set for “EC09: Route check”	999900				
Eu.SCI-CC.PDI.2040	Req	<b>EC10</b> The message byte 105 bits 4 and 5 shall be set to one of the following values: <table><tr><td>value</td><td>meaning</td></tr><tr><td>-----</td><td>-----</td></tr></table>	value	meaning	-----	-----	999900
value	meaning						
-----	-----						
Eu.SCI-CC.PDI.2042	Req	01            blocking set for “EC10: No electric trains”	999900				
Eu.SCI-CC.PDI.2041	Req	10            blocking not set for “EC10: No electric trains”	999900				
Eu.SCI-CC.PDI.2043	Req	<b>EC11</b> The message byte 105 bits 6 and 7 shall be set to one of the following values: <table><tr><td>value</td><td>meaning</td></tr><tr><td>-----</td><td>-----</td></tr></table>	value	meaning	-----	-----	999900
value	meaning						
-----	-----						
Eu.SCI-CC.PDI.2045	Req	01            blocking set for “EC11: Extraordinary transport”	999900				
Eu.SCI-CC.PDI.2044	Req	10            blocking not set for “EC11: Extraordinary transport”	999900				
Eu.SCI-CC.PDI.2046	Req	<b>EC12</b> The message byte 106 bits 0 and 1 shall be set to one of the following values: <table><tr><td>value</td><td>meaning</td></tr><tr><td>-----</td><td>-----</td></tr></table>	value	meaning	-----	-----	999900
value	meaning						
-----	-----						
Eu.SCI-CC.PDI.2048	Req	01            blocking set for “EC12: Protection of a catenary section”	999900				
Eu.SCI-CC.PDI.2047	Req	10            blocking not set for “EC12: Protection of a catenary section”	999900				
Eu.SCI-CC.PDI.2049	Req	<b>EC13</b> The message byte 106 bits 2 and 3 shall be set to one of the following values: <table><tr><td>value</td><td>meaning</td></tr><tr><td>-----</td><td>-----</td></tr></table>	value	meaning	-----	-----	999900
value	meaning						
-----	-----						
Eu.SCI-CC.PDI.2052	Req	01            blocking set for “EC13: Written order”	999900				
Eu.SCI-CC.PDI.2050	Req	10            blocking not set for “EC13: Written order”	999900				
Eu.SCI-CC.PDI.2480	Req	<b>Spare bits</b> The message byte 106 bits 4 to 7 shall be set to 0xF.	999900				
Eu.SCI-CC.PDI.3701	Req	<b>Prepared Route Type and Position</b> The message byte 107 shall be set to one of the following values: <table><tr><td>value</td><td>meaning</td></tr><tr><td>-----</td><td>-----</td></tr></table>	value	meaning	-----	-----	Default
value	meaning						
-----	-----						
Eu.SCI-CC.PDI.3702	Req	0x01            No route prepared	007600				
Eu.SCI-CC.PDI.3709	Req	0x02            FS route prepared right	007600				
Eu.SCI-CC.PDI.3708	Req	0x03            OS route prepared right	007600				
Eu.SCI-CC.PDI.3707	Req	0x04            FS route prepared left	007600				
Eu.SCI-CC.PDI.3706	Req	0x05            OS route prepared left	007600				
Eu.SCI-CC.PDI.3705	Req	0x06            FS route prepared off rail	007600				
Eu.SCI-CC.PDI.3704	Req	0x07            OS route prepared off rail	007600				
Eu.SCI-CC.PDI.3703	Req	0xFF            Prepared Route Type and Position not applicable	Default				



ID	Type	Requirement	Appl.																																																																																										
Eu.SCI-CC.PDI.1018	Head	<b>3.5.6.15 Message “TVP Section Status”</b>	Default																																																																																										
Eu.SCI-CC.PDI.2258	Info	This telegram refines the InformationFlow "Msg_TVP_Section_Status" specified in the requirements specification (ID Eu.CC.2023).	Default																																																																																										
Eu.SCI-CC.PDI.1019	Info	Telegram definition for status message “TVP Section Status” <table><tr><th>Byte / Bit</th><th>Content</th></tr><tr><td>00</td><td>Protocol Type: 0x70 (1 Byte binary)</td></tr><tr><td>01..02</td><td>Message Type: 0x0040 (2 Bytes binary)</td></tr><tr><td>03..22</td><td>Sender: ILS Identifier (20 Bytes text)</td></tr><tr><td>23..42</td><td>Receiver: TCS Identifier (20 Bytes text)</td></tr><tr><td>43</td><td>Information Type: 0x07 (1 Byte binary)</td></tr><tr><td>44..63</td><td>TVP Section ID (20 Bytes text)</td></tr><tr><td>64</td><td>Active Control (1 Byte binary)</td></tr><tr><td>65</td><td>TVP section Failed (1 Byte binary)</td></tr><tr><td>66</td><td>Occupied (1 Byte binary)</td></tr><tr><td>67</td><td>Maintainer Blocked against Route setting All trains (1 Byte binary)</td></tr><tr><td>68</td><td>Restriction to Force section Clear (1 Byte binary)</td></tr><tr><td>69</td><td>Aspect Restriction (1 Byte binary)</td></tr><tr><td>70</td><td>Used (1 Byte binary)</td></tr><tr><td>71</td><td>Locked (1 Byte binary)</td></tr><tr><td>72</td><td>Force Clear process Failed (1 Byte binary)</td></tr><tr><td>73</td><td>Force Clear command initiated/confirmed (1 Byte binary)</td></tr><tr><td>74</td><td>Force Clear command in use/blocked (1 Byte binary)</td></tr><tr><td>75</td><td>Force Clear sweep train acknowledgement (1 Byte binary)</td></tr><tr><td>76</td><td>Fragmented (1 Byte binary)</td></tr><tr><td>77</td><td>Flank protection (1 Byte binary)</td></tr><tr><td>78</td><td>Engineer's Possession Reminder / Special Train Reminder Fail (1 Byte binary)</td></tr><tr><td>79</td><td>Engineer's Possession Reminder / Special Train Reminder (1 Byte binary)</td></tr><tr><td>80</td><td>Force Clear Request Failed (1 Byte binary)</td></tr><tr><td>81..82</td><td>Filling Level (2 Bytes binary)</td></tr><tr><td>83</td><td>Force Clear operation counter (1 Byte binary)</td></tr><tr><td>84</td><td>OHL Groupset applicability (1 Byte binary)</td></tr><tr><td>85..104</td><td>OHL Groupset ID (20 Bytes text)</td></tr><tr><td>105</td><td>Route Type (1 Byte binary)</td></tr><tr><td>106</td><td>Blocked against route setting (1 Byte binary)</td></tr><tr><td>107</td><td>EC04</td><td>EC03</td><td>EC02</td><td>EC01</td></tr><tr><td>108</td><td>EC05(4)</td><td>EC05(3)</td><td>EC05(2)</td><td>EC05(1)</td></tr><tr><td>109</td><td>EC07(2)</td><td>EC07(1)</td><td>EC06</td><td>EC05(5)</td></tr><tr><td>110</td><td>EC07(6)</td><td>EC07(5)</td><td>EC07(4)</td><td>EC07(3)</td></tr><tr><td>111</td><td>EC11</td><td>EC10</td><td>EC09</td><td>EC08</td></tr><tr><td>112</td><td></td><td></td><td>EC13</td><td>EC12</td></tr></table>	Byte / Bit	Content	00	Protocol Type: 0x70 (1 Byte binary)	01..02	Message Type: 0x0040 (2 Bytes binary)	03..22	Sender: ILS Identifier (20 Bytes text)	23..42	Receiver: TCS Identifier (20 Bytes text)	43	Information Type: 0x07 (1 Byte binary)	44..63	TVP Section ID (20 Bytes text)	64	Active Control (1 Byte binary)	65	TVP section Failed (1 Byte binary)	66	Occupied (1 Byte binary)	67	Maintainer Blocked against Route setting All trains (1 Byte binary)	68	Restriction to Force section Clear (1 Byte binary)	69	Aspect Restriction (1 Byte binary)	70	Used (1 Byte binary)	71	Locked (1 Byte binary)	72	Force Clear process Failed (1 Byte binary)	73	Force Clear command initiated/confirmed (1 Byte binary)	74	Force Clear command in use/blocked (1 Byte binary)	75	Force Clear sweep train acknowledgement (1 Byte binary)	76	Fragmented (1 Byte binary)	77	Flank protection (1 Byte binary)	78	Engineer's Possession Reminder / Special Train Reminder Fail (1 Byte binary)	79	Engineer's Possession Reminder / Special Train Reminder (1 Byte binary)	80	Force Clear Request Failed (1 Byte binary)	81..82	Filling Level (2 Bytes binary)	83	Force Clear operation counter (1 Byte binary)	84	OHL Groupset applicability (1 Byte binary)	85..104	OHL Groupset ID (20 Bytes text)	105	Route Type (1 Byte binary)	106	Blocked against route setting (1 Byte binary)	107	EC04	EC03	EC02	EC01	108	EC05(4)	EC05(3)	EC05(2)	EC05(1)	109	EC07(2)	EC07(1)	EC06	EC05(5)	110	EC07(6)	EC07(5)	EC07(4)	EC07(3)	111	EC11	EC10	EC09	EC08	112			EC13	EC12	Default
Byte / Bit	Content																																																																																												
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107	EC04	EC03	EC02	EC01																																																																																									
108	EC05(4)	EC05(3)	EC05(2)	EC05(1)																																																																																									
109	EC07(2)	EC07(1)	EC06	EC05(5)																																																																																									
110	EC07(6)	EC07(5)	EC07(4)	EC07(3)																																																																																									
111	EC11	EC10	EC09	EC08																																																																																									
112			EC13	EC12																																																																																									
Eu.SCI-CC.PDI.1020	Req	<b>Message Type</b> Bytes 01 and 02 shall be set to 0x0040.	Default																																																																																										
Eu.SCI-CC.PDI.1021	Req	<b>Sender Identifier</b> The message bytes 03..22 shall contain the technical identifier of the Subsystem - Electronic Interlocking according to section 3.2.	Default																																																																																										
Eu.SCI-CC.PDI.1022	Req	<b>Receiver Identifier</b> The message bytes 23..42 shall contain the technical identifier of the TCS according to section 3.2.	Default																																																																																										
Eu.SCI-CC.PDI.1023	Req	<b>Information Type</b> Byte 43 shall be set to 0x07.	Default																																																																																										
Eu.SCI-CC.PDI.1024	Req	<b>TVP Section ID</b> Bytes 44..63 shall contain the TVP Section identity according to section 3.3.	Default																																																																																										
Eu.SCI-CC.PDI.2792	Req	<b>Active Control</b> Byte 64 shall be set to one of the following values:  value                    meaning -----                -----	Default																																																																																										
Eu.SCI-CC.PDI.2793	Req	0x01                    not in active control	Default																																																																																										
Eu.SCI-CC.PDI.2794	Req	0x02                    in active control	Default																																																																																										
Eu.SCI-CC.PDI.3388	Info	Note: When byte 64 is set to 0x01 then the information contained within this telegram should be considered as “last known”.	Default																																																																																										
Eu.SCI-CC.PDI.1025	Req	<b>TVP section Failed</b> The message byte 65 shall be set to one of the following values:  value                    meaning -----                -----	Default																																																																																										

ID	Type	Requirement	Appl.
Eu.SCI-CC.PDI.1027	Req	0x01not failed	007000 007900 008700 310900
Eu.SCI-CC.PDI.1026	Req	0x02failed	007000 007900 008700 310900
Eu.SCI-CC.PDI.2810	Req	0xFFTVP Section failed not applicable	Default
Eu.SCI-CC.PDI.1028	Req	<b>Occupied</b> The message byte 66 shall be set to one of the following values:  value            meaning -----        -----	Default
Eu.SCI-CC.PDI.1029	Req	0x01Occupied	Default
Eu.SCI-CC.PDI.1030	Req	0x02Not Occupied	Default
Eu.SCI-CC.PDI.2704	Req	0x03Disturbed	007000 007001 007600 007900 008700 310900 999900
Eu.SCI-CC.PDI.1031	Req	<b>Maintainer Blocked against Route setting All trains</b> The message byte 67 shall be set to one of the following values:  value            meaning -----        -----	Default
Eu.SCI-CC.PDI.1032	Req	0x01blocked for route setting by Maintenance Technician (all trains)	007000
Eu.SCI-CC.PDI.1033	Req	0x02not blocked for route setting by Maintenance Technician (all trains)	007000
Eu.SCI-CC.PDI.2402	Req	0xFFMaintainer blocked against route setting All trains not applicable	007001 007600 007900 008700 310900
Eu.SCI-CC.PDI.1034	Req	<b>Restriction to Force section Clear</b> The message byte 68 shall be set to one of the following values:  value            meaning -----        -----	Default
Eu.SCI-CC.PDI.1036	Req	0x01Restriction to Force section Clear (RFC) not active	007600
Eu.SCI-CC.PDI.1035	Req	0x02Restriction to Force section Clear (RFC) active	007600
Eu.SCI-CC.PDI.2403	Req	0xFFRestriction to Force section Clear not applicable	007000 007001 007900 008700 310900
Eu.SCI-CC.PDI.1037	Req	<b>Aspect Restriction</b> The message byte 69 shall be set to one of the following values:  value            meaning -----        -----	Default
Eu.SCI-CC.PDI.1038	Req	0x01Aspect Restriction applied	007000 007900
Eu.SCI-CC.PDI.1039	Req	0x02Aspect Restriction not applied	007000 007900
Eu.SCI-CC.PDI.2404	Req	0xFFAspect Restriction not applicable	007001 007600 008700 310900

ID	Type	Requirement	Appl.				
Eu.SCI-CC.PDI.1040	Req	<b>Used</b> The message byte 70 shall be set to one of the following values: <table><tr><td>value</td><td>meaning</td></tr><tr><td>-----</td><td>-----</td></tr></table>	value	meaning	-----	-----	Default
value	meaning						
-----	-----						
Eu.SCI-CC.PDI.1042	Req	0x01            used in a route	007900 310900				
Eu.SCI-CC.PDI.1041	Req	0x02            not used in a route	007900 310900				
Eu.SCI-CC.PDI.2405	Req	0xFF            Used not applicable	007000 007001 007600 008700				
Eu.SCI-CC.PDI.1043	Req	<b>Locked</b> The message byte 71 shall be set to one of the following values: <table><tr><td>value</td><td>meaning</td></tr><tr><td>-----</td><td>-----</td></tr></table>	value	meaning	-----	-----	Default
value	meaning						
-----	-----						
Eu.SCI-CC.PDI.1045	Req	0x01            locked in a route	007900 310900				
Eu.SCI-CC.PDI.1044	Req	0x02            not locked in a route	007900 310900				
Eu.SCI-CC.PDI.2406	Req	0xFF            Locked not applicable	007000 007001 007600 008700				
Eu.SCI-CC.PDI.1046	Req	<b>Force Clear process Failed</b> The message byte 72 shall be set to one of the following values: <table><tr><td>value</td><td>meaning</td></tr><tr><td>-----</td><td>-----</td></tr></table>	value	meaning	-----	-----	Default
value	meaning						
-----	-----						
Eu.SCI-CC.PDI.1048	Req	0x01            Force Clear process failed	007000				
Eu.SCI-CC.PDI.1047	Req	0x02            Force Clear process not failed	007000				
Eu.SCI-CC.PDI.2407	Req	0xFF            Force Clear process Failed not applicable	007001 007600 007900 008700 310900				
Eu.SCI-CC.PDI.1049	Req	<b>Force Clear command Initiated/Confirmed</b> The message byte 73 bits 0 to 3 shall be set to one of the following values: <table><tr><td>value</td><td>meaning</td></tr><tr><td>-----</td><td>-----</td></tr></table>	value	meaning	-----	-----	Default
value	meaning						
-----	-----						
Eu.SCI-CC.PDI.1051	Req	0x1            Force Clear command initiated	007000				
Eu.SCI-CC.PDI.1050	Req	0x2            Force Clear command not initiated	007000				
Eu.SCI-CC.PDI.2506	Req	0xF            Force Clear command Initiated not applicable	007001 007600 007900 008700 310900				
Eu.SCI-CC.PDI.1052	Req	The message byte 73 bits 4 to 7 shall be set to one of the following values: <table><tr><td>value</td><td>meaning</td></tr><tr><td>-----</td><td>-----</td></tr></table>	value	meaning	-----	-----	Default
value	meaning						
-----	-----						
Eu.SCI-CC.PDI.1054	Req	0x1            Force Clear command confirmed	007000				
Eu.SCI-CC.PDI.1053	Req	0x2            Force Clear command not confirmed	007000				

ID	Type	Requirement	Appl.
Eu.SCI-CC.PDI.2507	Req	0xF Force Clear command Confirmed not applicable	007001 007600 007900 008700 310900
Eu.SCI-CC.PDI.1055	Req	<b>Force Clear command In Use/Blocked</b> The message byte 74 bits 0 to 3 shall be set to one of the following values:  value meaning ----- 	Default
Eu.SCI-CC.PDI.1057	Req	0x1 Force Clear command in use	007000 007900
Eu.SCI-CC.PDI.1056	Req	0x2 Force Clear command not in use	007000 007900
Eu.SCI-CC.PDI.2508	Req	0xF Force Clear command In Use not applicable	007001 007600 008700 310900
Eu.SCI-CC.PDI.1058	Req	The message byte 74 bits 4 to 7 shall be set to one of the following values:  value meaning ----- 	007000 007001 007600 007900 008700 310900 999900
Eu.SCI-CC.PDI.1060	Req	0x1 Force Clear command blocked	007000 007900
Eu.SCI-CC.PDI.1059	Req	0x2 Force Clear command not blocked	007000 007900
Eu.SCI-CC.PDI.2509	Req	0xF Force Clear command Blocked not applicable	007001 007600 008700 310900
Eu.SCI-CC.PDI.1061	Req	<b>Force Clear sweep train acknowledgement</b> The message byte 75 bits 0 to 3 shall be set to one of the following values:  value meaning ----- 	Default
Eu.SCI-CC.PDI.1066	Req	0x1 not waiting for sweep train (after FC-P or FC-P-A)	007600 007900 310900
Eu.SCI-CC.PDI.1065	Req	0x2 waiting for sweep train	007600 007900 310900
Eu.SCI-CC.PDI.2510	Req	0xF Waiting for sweep train not applicable	007000 007001 008700
Eu.SCI-CC.PDI.1064	Req	The message byte 75 bits 4 to 7 shall be set to one of the following values:  value meaning ----- 	Default
Eu.SCI-CC.PDI.1063	Req	0x1 request acknowledgement for FC-P-A (after sweep train)	007000 007900 310900
Eu.SCI-CC.PDI.1062	Req	0x2 no request for acknowledgement for FC-P-A (after sweep train)	007000 007900 310900
Eu.SCI-CC.PDI.2511	Req	0xF Acknowledgement for FC-P-A not applicable	007000 007001 007600 008700

ID	Type	Requirement		Appl.				
Eu.SCI-CC.PDI.1067	Req	<b>Fragmented</b> The message byte 76 shall be set to one of the following values: <table><tr><td>value</td><td>meaning</td></tr><tr><td>-----</td><td>-----</td></tr></table>		value	meaning	-----	-----	Default
value	meaning							
-----	-----							
Eu.SCI-CC.PDI.1072	Req	0x01	fragmented, timer is running	007900				
Eu.SCI-CC.PDI.1071	Req	0x02	fragmented, timer is not running	007900				
Eu.SCI-CC.PDI.1068	Req	0x03	not fragmented	007900				
Eu.SCI-CC.PDI.1069	Req	0xFF	Fragmented not applicable	007000 007001 007600 008700 310900				
Eu.SCI-CC.PDI.1073	Req	<b>Flank Protection</b> The message byte 77 shall be set to one of the following values: <table><tr><td>value</td><td>meaning</td></tr><tr><td>-----</td><td>-----</td></tr></table>		value	meaning	-----	-----	Default
value	meaning							
-----	-----							
Eu.SCI-CC.PDI.1075	Req	0x01	flank protection is locked	007900				
Eu.SCI-CC.PDI.1074	Req	0x02	flank protection is released	007900				
Eu.SCI-CC.PDI.2408	Req	0xFF	Flank Protection not applicable	007000 007001 007600 008700 310900				
Eu.SCI-CC.PDI.1076	Req	<b>Engineer's Possession Reminder / Special Train Reminder Fail</b>  The message byte 78 shall be set to one of the following values: <table><tr><td>value</td><td>meaning</td></tr><tr><td>-----</td><td>-----</td></tr></table>		value	meaning	-----	-----	Default
value	meaning							
-----	-----							
Eu.SCI-CC.PDI.1078	Req	0x01	EPR/STR failed to be applied or removed	007000				
Eu.SCI-CC.PDI.1077	Req	0x02	EPR/STR has not failed to be applied or removed	007000				
Eu.SCI-CC.PDI.2409	Req	0xFF	Engineer's Possession Reminder / Special Train Reminder Fail not applicable	007001 007600 007900 008700 310900				
Eu.SCI-CC.PDI.1079	Req	<b>Engineer's Possession Reminder / Special Train Reminder</b> The message byte 79 shall be set to one of the following values: <table><tr><td>value</td><td>meaning</td></tr><tr><td>-----</td><td>-----</td></tr></table>		value	meaning	-----	-----	Default
value	meaning							
-----	-----							
Eu.SCI-CC.PDI.1081	Req	0x01	EPR applied	007000				
Eu.SCI-CC.PDI.1084	Req	0x02	STR applied	007000				
Eu.SCI-CC.PDI.1080	Req	0x03	Both EPR and STR applied	007000				
Eu.SCI-CC.PDI.1083	Req	0x04	Neither EPR nor STR applied	007000				
Eu.SCI-CC.PDI.2410	Req	0xFF	EPR/STR not applicable	007001 007600 007900 008700 310900				
Eu.SCI-CC.PDI.1085	Req	<b>Force Clear Request Failed</b> The message byte 80 shall be set to one of the following values: <table><tr><td>value</td><td>meaning</td></tr><tr><td>-----</td><td>-----</td></tr></table>		value	meaning	-----	-----	Default
value	meaning							
-----	-----							

ID	Type	Requirement		Appl.
Eu.SCI-CC.PDI.1087	Req	0x01	Force Clear failure during EPR/STR removal	007000
Eu.SCI-CC.PDI.1086	Req	0x02	no Force Clear failure during EPR/STR removal	007000
Eu.SCI-CC.PDI.2411	Req	0xFF	Force Clear Request Failed not applicable	007001 007600 007900 008700 310900
Eu.SCI-CC.PDI.1088	Req	<b>Filling Level</b> The message bytes 81-82 shall contain the Filling Level in 15 bit signed integer. Permitted values:  value                      meaning -----                      -----		007000 007600 007900 008700 310900
Eu.SCI-CC.PDI.3004	Req	0x0000	means 0	007600
Eu.SCI-CC.PDI.3005	Req	0x0001..0x3FFF	means 1 until 16.383	007600
Eu.SCI-CC.PDI.4071	Req	0x7FFF..0x4000	means -1 until -16.383	007600
Eu.SCI-CC.PDI.4072	Req	0x8000..0xFFFE	not used	007600
Eu.SCI-CC.PDI.2526	Req	0xFFFF	Filling Level is not applicable	007000 007900 008700 310900
Eu.SCI-CC.PDI.1090	Req	<b>FC Operation Counter</b> The message byte 83 shall be set to a value within the range 0x00 to 0xFE, representing an incremental count of the number of successful Force Clear command operations on the TVP section.		Default
Eu.SCI-CC.PDI.1091	Req	The value of byte 83 shall roll over to 0x00 when it exceeds 0xFE or at a lower value as defined by national specifications.		007000 007001 007900
Eu.SCI-CC.PDI.2532	Req	0xFF shall be used where FC Operation Counter is not applicable.		007001 007600 008700 310900
Eu.SCI-CC.PDI.2468	Req	<b>OHL Groupset applicability</b> Byte 84 shall be set to one of the following values:  value                      meaning -----                      -----		Default
Eu.SCI-CC.PDI.2469	Req	0x01	TVP Section is part of an OHL groupset	999900
Eu.SCI-CC.PDI.2470	Req	0x02	TVP Section is not part of an OHL groupset	999900
Eu.SCI-CC.PDI.2471	Req	0xFF	OHL Groupset not applicable	007000 007001 007600 007900 008700 310900 999900
Eu.SCI-CC.PDI.1092	Req	<b>OHL Groupset ID</b> Where byte 84 is equal to 0x01 (TVP Section is part of an OHL groupset) then bytes 85 to 104 shall contain the relevant OHL Groupset identity according to section 3.3. 20 times the NULL character (0x00) shall not be used to identify an OHL Groupset.		008700
Eu.SCI-CC.PDI.1093	Req	Where byte 84 is equal to 0x02 (TVP Section is not part of an OHL groupset) or 0xFF (OHL Groupset not applicable) then the bytes 85 to 104 shall contain 20 times the NULL character (0x00).		Default
Eu.SCI-CC.PDI.1094	Req	<b>Route Type</b> The message byte 105 shall be set to one of the following values, indicating the route type in which the TVP is 'Used' or 'Locked'.  value                      meaning -----                      -----		Default
Eu.SCI-CC.PDI.1095	Req	0x01	no route	007000 007600 007900 310900

ID	Type	Requirement		Appl.
Eu.SCI-CC.PDI.1096	Req	0x02	Main route	007000 007600 007900 310900
Eu.SCI-CC.PDI.1097	Req	0x03	Shunting route	007000 007600 007900 310900
Eu.SCI-CC.PDI.1098	Req	0x04	Warning route	007900 310900
Eu.SCI-CC.PDI.1099	Req	0x05	On-Sight / Call-on route	007900
Eu.SCI-CC.PDI.1100	Req	0x06	Staff-Responsible route	007900
Eu.SCI-CC.PDI.2352	Req	0xFF	Route Type not applicable	007000 007001 007600 008700
Eu.SCI-CC.PDI.1101	Req	<b>Blocked against Route Setting</b> The message byte 106 bits 0 to 3 shall be set to one of the following values:  value            meaning -----        -----		Default
Eu.SCI-CC.PDI.1103	Req	0x1	blocked against route setting (all trains)	007000 007900 310900
Eu.SCI-CC.PDI.1102	Req	0x2	not blocked against route setting (all trains)	007000 007900 310900
Eu.SCI-CC.PDI.2504	Req	0xF	Blocked against Route setting (all trains) not applicable	007001 007600 008700
Eu.SCI-CC.PDI.1104	Req	The message byte 106 bits 4 to 7 shall be set to one of the following values:  value            meaning -----        -----		Default
Eu.SCI-CC.PDI.1105	Req	0x2	not blocked against route setting (electric trains only)	007000
Eu.SCI-CC.PDI.1106	Req	0x1	blocked against route setting (electric trains only)	007000
Eu.SCI-CC.PDI.2505	Req	0xF	Blocked against Route setting (electric trains only) not applicable	007001 007600 007900 008700 310900
Eu.SCI-CC.PDI.2486	Req	<b>EC Route blocking</b> The message bytes 107 to 113 shall be set to one of the following values:  value                    meaning -----                -----		007000 007600 007900 008700 310900
Eu.SCI-CC.PDI.2487	Req	0xFFFF FFFF FFFF	EC Route blocking not applicable	007000 007600 007900 008700 310900
Eu.SCI-CC.PDI.2488	Req	Where EC Route blocking is applicable, the bytes 108 to 113 shall be set as specified in the remainder of this section.		999900
Eu.SCI-CC.PDI.1107	Req	<b>EC01</b> The message byte 107 bits 0 and 1 shall be set to one of the following values:  value            meaning -----        -----		999900
Eu.SCI-CC.PDI.1109	Req	01	blocking set for “EC01: No access”	999900

ID	Type	Requirement	Appl.
Eu.SCI-CC.PDI.1108	Req	10            blocking not set for “EC01: No access”	999900
Eu.SCI-CC.PDI.1110	Req	<b>EC02</b> The message byte 107 bits 2 and 3 shall be set to one of the following values:  value            meaning -----        -----	999900
Eu.SCI-CC.PDI.1112	Req	01            blocking set for “EC02: Work track”	999900
Eu.SCI-CC.PDI.1111	Req	10            blocking not set for “EC02: Work track”	999900
Eu.SCI-CC.PDI.1113	Req	<b>EC03</b> The message byte 107 bits 4 and 5 shall be set to one of the following values:  value            meaning -----        -----	999900
Eu.SCI-CC.PDI.1115	Req	01            blocking set for “EC03: Track out of service”	999900
Eu.SCI-CC.PDI.1114	Req	10            blocking not set for “EC03: Track out of service”	999900
Eu.SCI-CC.PDI.1116	Req	<b>EC04</b> The message byte 107 bits 6 and 7 shall be set to one of the following values:  value            meaning -----        -----	999900
Eu.SCI-CC.PDI.1118	Req	01            blocking set for “EC04: Emergency train”	999900
Eu.SCI-CC.PDI.1117	Req	10            blocking not set for “EC04: Emergency train”	999900
Eu.SCI-CC.PDI.1950	Req	<b>EC05(1)</b> The message byte 108 bits 0 and 1 shall be set to one of the following values:  value            meaning -----        -----	999900
Eu.SCI-CC.PDI.1952	Req	01            blocking set for “EC05(1): Secondary vehicle”	999900
Eu.SCI-CC.PDI.1951	Req	10            blocking not set for “EC05(1): Secondary vehicle”	999900
Eu.SCI-CC.PDI.1953	Req	<b>EC05(2)</b> The message byte 108 bits 2 and 3 shall be set to one of the following values:  value            meaning -----        -----	999900
Eu.SCI-CC.PDI.1955	Req	01            blocking set for “EC05(2): Secondary vehicle”	999900
Eu.SCI-CC.PDI.1954	Req	10            blocking not set for “EC05(2): Secondary vehicle”	999900
Eu.SCI-CC.PDI.1956	Req	<b>EC05(3)</b> The message byte 108 bits 4 and 5 shall be set to one of the following values:  value            meaning -----        -----	999900
Eu.SCI-CC.PDI.1958	Req	01            blocking set for “EC05(3): Secondary vehicle”	999900
Eu.SCI-CC.PDI.1957	Req	10            blocking not set for “EC05(3): Secondary vehicle”	999900
Eu.SCI-CC.PDI.1959	Req	<b>EC05(4)</b> The message byte 108 bits 6 and 7 shall be set to one of the following values:  value            meaning -----        -----	999900
Eu.SCI-CC.PDI.1961	Req	01            blocking set for “EC05(4): Secondary vehicle”	999900
Eu.SCI-CC.PDI.1960	Req	10            blocking not set for “EC05(4): Secondary vehicle”	999900
Eu.SCI-CC.PDI.1962	Req	<b>EC05(5)</b> The message byte 109 bits 0 and 1 shall be set to one of the following values:  value            meaning -----        -----	999900



ID	Type	Requirement	Appl.
Eu.SCI-CC.PDI.1964	Req	01            blocking set for “EC05(5): Secondary vehicle”	999900
Eu.SCI-CC.PDI.1963	Req	10            blocking not set for “EC05(5): Secondary vehicle”	999900
Eu.SCI-CC.PDI.1968	Req	<b>EC06</b> The message byte 109 bits 2 and 3 shall be set to one of the following values:  value            meaning -----        -----	999900
Eu.SCI-CC.PDI.1970	Req	01            blocking set for “EC06: Team”	999900
Eu.SCI-CC.PDI.1969	Req	10            blocking not set for “EC06: Team”	999900
Eu.SCI-CC.PDI.1971	Req	<b>EC07(1)</b> The message byte 109 bits 4 and 5 shall be set to one of the following values:  value            meaning -----        -----	999900
Eu.SCI-CC.PDI.1973	Req	01            blocking set for “EC07(1): Level crossing”	999900
Eu.SCI-CC.PDI.1972	Req	10            blocking not set for “EC07(1): Level crossing”	999900
Eu.SCI-CC.PDI.1974	Req	<b>EC07(2)</b> The message byte 109 bits 6 and 7 shall be set to one of the following values:  value            meaning -----        -----	999900
Eu.SCI-CC.PDI.1976	Req	01            blocking set for “EC07(2): Level crossing”	999900
Eu.SCI-CC.PDI.1975	Req	10            blocking not set for “EC07(2): Level crossing”	999900
Eu.SCI-CC.PDI.1977	Req	<b>EC07(3)</b> The message byte 110 bits 0 and 1 shall be set to one of the following values:  value            meaning -----        -----	999900
Eu.SCI-CC.PDI.1979	Req	01            blocking set for “EC07(3): Level crossing”	999900
Eu.SCI-CC.PDI.1978	Req	10            blocking not set for “EC07(3): Level crossing”	999900
Eu.SCI-CC.PDI.1980	Req	<b>EC07(4)</b> The message byte 110 bits 2 and 3 shall be set to one of the following values:  value            meaning -----        -----	999900
Eu.SCI-CC.PDI.1982	Req	01            blocking set for “EC07(4): Level crossing”	999900
Eu.SCI-CC.PDI.1981	Req	10            blocking not set for “EC07(4): Level crossing”	999900
Eu.SCI-CC.PDI.1983	Req	<b>EC07(5)</b> The message byte 110 bits 4 and 5 shall be set to one of the following values:  value            meaning -----        -----	999900
Eu.SCI-CC.PDI.1985	Req	01            blocking set for “EC07(5): Level crossing”	999900
Eu.SCI-CC.PDI.1984	Req	10            blocking not set for “EC07(5): Level crossing”	999900
Eu.SCI-CC.PDI.2177	Req	<b>EC07(6)</b> The message byte 110 bits 6 and 7 shall be set to one of the following values:  value            meaning -----        -----	999900
Eu.SCI-CC.PDI.2178	Req	01            blocking set for “EC07(6): Level crossing”	999900
Eu.SCI-CC.PDI.2179	Req	10            blocking not set for “EC07(6): Level crossing”	999900

ID	Type	Requirement	Appl.				
Eu.SCI-CC.PDI.1128	Req	<b>EC08</b> The message byte 111 bits 0 and 1 shall be set to one of the following values: <table><tr><td>value</td><td>meaning</td></tr><tr><td>-----</td><td>-----</td></tr></table>	value	meaning	-----	-----	999900
value	meaning						
-----	-----						
Eu.SCI-CC.PDI.1130	Req	01            blocking set for “EC08: Vacancy check”	999900				
Eu.SCI-CC.PDI.1129	Req	10            blocking not set for “EC08: Vacancy check”	999900				
Eu.SCI-CC.PDI.1131	Req	<b>EC09</b> The message byte 111 bits 2 and 3 shall be set to one of the following values: <table><tr><td>value</td><td>meaning</td></tr><tr><td>-----</td><td>-----</td></tr></table>	value	meaning	-----	-----	999900
value	meaning						
-----	-----						
Eu.SCI-CC.PDI.1133	Req	01            blocking set for “EC09: Route check”	999900				
Eu.SCI-CC.PDI.1132	Req	10            blocking not set for “EC09: Route check”	999900				
Eu.SCI-CC.PDI.1134	Req	<b>EC10</b> The message byte 111 bits 4 and 5 shall be set to one of the following values: <table><tr><td>value</td><td>meaning</td></tr><tr><td>-----</td><td>-----</td></tr></table>	value	meaning	-----	-----	999900
value	meaning						
-----	-----						
Eu.SCI-CC.PDI.1136	Req	01            blocking set for “EC10: No electric trains”	999900				
Eu.SCI-CC.PDI.1135	Req	10            blocking not set for “EC10: No electric trains”	999900				
Eu.SCI-CC.PDI.1137	Req	<b>EC11</b> The message byte 111 bits 6 and 7 shall be set to one of the following values: <table><tr><td>value</td><td>meaning</td></tr><tr><td>-----</td><td>-----</td></tr></table>	value	meaning	-----	-----	999900
value	meaning						
-----	-----						
Eu.SCI-CC.PDI.1139	Req	01            blocking set for “EC11: Extraordinary transport”	999900				
Eu.SCI-CC.PDI.1138	Req	10            blocking not set for “EC11: Extraordinary transport”	999900				
Eu.SCI-CC.PDI.1140	Req	<b>EC12</b> The message byte 112 bits 0 and 1 shall be set to one of the following values: <table><tr><td>value</td><td>meaning</td></tr><tr><td>-----</td><td>-----</td></tr></table>	value	meaning	-----	-----	999900
value	meaning						
-----	-----						
Eu.SCI-CC.PDI.1142	Req	01            blocking set for “EC12: Protection of a catenary section”	999900				
Eu.SCI-CC.PDI.1141	Req	10            blocking not set for “EC12: Protection of a catenary section”	999900				
Eu.SCI-CC.PDI.1143	Req	<b>EC13</b> The message byte 112 bits 2 and 3 shall be set to one of the following values: <table><tr><td>value</td><td>meaning</td></tr><tr><td>-----</td><td>-----</td></tr></table>	value	meaning	-----	-----	999900
value	meaning						
-----	-----						
Eu.SCI-CC.PDI.1145	Req	01            blocking set for “EC13: Written order”	999900				
Eu.SCI-CC.PDI.1144	Req	10            blocking not set for “EC13: Written order”	999900				
Eu.SCI-CC.PDI.2489	Req	<b>Spare bits</b> The message byte 112 bits 4 to 7 shall be set to 0xF.	999900				
Eu.SCI-CC.PDI.1197	Head	<b>3.5.6.16 Message “Track Section Status”</b>	007000 007600 310900				
Eu.SCI-CC.PDI.2262	Info	This telegram refines the InformationFlow "Msg_Track_Section_Status" specified in the requirements specification (ID Eu.CC.2022).	007000 007600 310900				
Eu.SCI-CC.PDI.1198	Info	Telegram definition for status message “Track Section Status”	007000 007600 310900				

ID	Type	Requirement				Appl.																																																																																																																								
		<table><tr><th>Byte / Bit</th><th colspan="4">Content</th></tr><tr><td>00</td><td colspan="4">Protocol Type: 0x70 (1 Byte binary)</td></tr><tr><td>01..02</td><td colspan="4">Message Type: 0x0040 (2 Bytes binary)</td></tr><tr><td>03..22</td><td colspan="4">Sender: ILS Identifier (20 Bytes text)</td></tr><tr><td>23..42</td><td colspan="4">Receiver: TCS Identifier (20 Bytes text)</td></tr><tr><td>43</td><td colspan="4">Information Type: 0x09 (1 Byte binary)</td></tr><tr><td>44..63</td><td colspan="4">Track ID (20 Bytes text)</td></tr><tr><td>64</td><td colspan="4">Active Control (1 Byte binary)</td></tr><tr><td>65</td><td colspan="4">Blocked against route setting (1 Byte binary)</td></tr><tr><td>66</td><td colspan="4">Used / Locked (1 Byte binary)</td></tr><tr><td>67</td><td colspan="4">Flank Protection Area (1 Byte binary)</td></tr><tr><td>68</td><td colspan="4">Route Type (1 Byte binary)</td></tr><tr><td>69</td><td colspan="4">Overlap Type (1 Byte binary)</td></tr><tr><td>70</td><td colspan="4">Occupied (1 Byte binary)</td></tr><tr><td>71</td><td colspan="4">Fragmented (1 Byte binary)</td></tr><tr><td>72</td><td colspan="4">OHL Groupset applicability (1 Byte binary)</td></tr><tr><td>73..92</td><td colspan="4">OHL Groupset ID (20 Bytes text)</td></tr><tr><td>93</td><td>EC04</td><td>EC03</td><td>EC02</td><td>EC01</td></tr><tr><td>94</td><td>EC05(4)</td><td>EC05(3)</td><td>EC05(2)</td><td>EC05(1)</td></tr><tr><td>95</td><td>EC07(2)</td><td>EC07(1)</td><td>EC06</td><td>EC05(5)</td></tr><tr><td>96</td><td>EC07(6)</td><td>EC07(5)</td><td>EC07(4)</td><td>EC07(3)</td></tr><tr><td>97</td><td>EC11</td><td>EC10</td><td>EC09</td><td>EC08</td></tr><tr><td>98</td><td colspan="2"></td><td>EC13</td><td>EC12</td></tr><tr><td>99</td><td colspan="4">Prepared Route Type (1 Byte binary)</td></tr></table>				Byte / Bit	Content				00	Protocol Type: 0x70 (1 Byte binary)				01..02	Message Type: 0x0040 (2 Bytes binary)				03..22	Sender: ILS Identifier (20 Bytes text)				23..42	Receiver: TCS Identifier (20 Bytes text)				43	Information Type: 0x09 (1 Byte binary)				44..63	Track ID (20 Bytes text)				64	Active Control (1 Byte binary)				65	Blocked against route setting (1 Byte binary)				66	Used / Locked (1 Byte binary)				67	Flank Protection Area (1 Byte binary)				68	Route Type (1 Byte binary)				69	Overlap Type (1 Byte binary)				70	Occupied (1 Byte binary)				71	Fragmented (1 Byte binary)				72	OHL Groupset applicability (1 Byte binary)				73..92	OHL Groupset ID (20 Bytes text)				93	EC04	EC03	EC02	EC01	94	EC05(4)	EC05(3)	EC05(2)	EC05(1)	95	EC07(2)	EC07(1)	EC06	EC05(5)	96	EC07(6)	EC07(5)	EC07(4)	EC07(3)	97	EC11	EC10	EC09	EC08	98			EC13	EC12	99	Prepared Route Type (1 Byte binary)				
Byte / Bit	Content																																																																																																																													
00	Protocol Type: 0x70 (1 Byte binary)																																																																																																																													
01..02	Message Type: 0x0040 (2 Bytes binary)																																																																																																																													
03..22	Sender: ILS Identifier (20 Bytes text)																																																																																																																													
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43	Information Type: 0x09 (1 Byte binary)																																																																																																																													
44..63	Track ID (20 Bytes text)																																																																																																																													
64	Active Control (1 Byte binary)																																																																																																																													
65	Blocked against route setting (1 Byte binary)																																																																																																																													
66	Used / Locked (1 Byte binary)																																																																																																																													
67	Flank Protection Area (1 Byte binary)																																																																																																																													
68	Route Type (1 Byte binary)																																																																																																																													
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70	Occupied (1 Byte binary)																																																																																																																													
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73..92	OHL Groupset ID (20 Bytes text)																																																																																																																													
93	EC04	EC03	EC02	EC01																																																																																																																										
94	EC05(4)	EC05(3)	EC05(2)	EC05(1)																																																																																																																										
95	EC07(2)	EC07(1)	EC06	EC05(5)																																																																																																																										
96	EC07(6)	EC07(5)	EC07(4)	EC07(3)																																																																																																																										
97	EC11	EC10	EC09	EC08																																																																																																																										
98			EC13	EC12																																																																																																																										
99	Prepared Route Type (1 Byte binary)																																																																																																																													
Eu.SCI-CC.PDI.1199	Req	<b>Message Type</b> Bytes 01 and 02 shall be set to 0x0040.				007000 007600 310900																																																																																																																								
Eu.SCI-CC.PDI.1200	Req	<b>Sender Identifier</b> The message bytes 03..22 shall contain the technical identifier of the Subsystem - Electronic Interlocking according to section 3.2.				007000 007600 310900																																																																																																																								
Eu.SCI-CC.PDI.1201	Req	<b>Receiver Identifier</b> The message bytes 23..42 shall contain the technical identifier of the TCS according to section 3.2.				007000 007600 310900																																																																																																																								
Eu.SCI-CC.PDI.1202	Req	<b>Information Type</b> The message byte 43 shall be set to 0x09.				007000 007600 310900																																																																																																																								
Eu.SCI-CC.PDI.1203	Req	<b>Track ID</b> Bytes 44 to 63 shall contain a unique Track Section identity according to section 3.3.				007000 007600 310900																																																																																																																								
Eu.SCI-CC.PDI.2795	Req	<b>Active Control</b> Byte 64 shall be set to one of the following values:  value            meaning -----    -----				007000 007600 310900																																																																																																																								
Eu.SCI-CC.PDI.2796	Req	0x01	not in active control			007000 007600 310900																																																																																																																								
Eu.SCI-CC.PDI.2797	Req	0x02	in active control			007000 007600 310900																																																																																																																								
Eu.SCI-CC.PDI.3389	Info	Note: When byte 64 is set to 0x01 then the information contained within this telegram should be considered as “last known”.				007000 007600 310900																																																																																																																								
Eu.SCI-CC.PDI.1215	Req	<b>Blocked against Route setting</b> The message byte 65 bits 0 to 3 shall be set to one of the following values:  value            meaning -----    -----				007000 007600 310900																																																																																																																								
Eu.SCI-CC.PDI.1217	Req	0x1	blocked against route setting (all trains)			007000 007600 310900																																																																																																																								

ID	Type	Requirement	Appl.
Eu.SCI-CC.PDI.1216	Req	0x2            not blocked against route setting (all trains)	007000 007600 310900
Eu.SCI-CC.PDI.1218	Req	The message byte 65 bits 4 to 7 shall be set to one of the following values: <div>value            meaning</div> <div>-----        -----</div>	007000 310900
Eu.SCI-CC.PDI.1220	Req	0x1            blocked against route setting (electric trains only)	007000 310900
Eu.SCI-CC.PDI.1219	Req	0x2            not blocked against route setting (electric trains only)	007000 310900
Eu.SCI-CC.PDI.2572	Req	0xF            Blocked against Route setting (electric trains only) not applicable	007600 310900
Eu.SCI-CC.PDI.3026	Req	<b>Used /Locked</b> The message byte 66 shall be set to the one of the following values: <div>value            meaning</div> <div>-----        -----</div>	007000 007600 310900
Eu.SCI-CC.PDI.3027	Req	0x01           not used and not locked	007000 007600 310900
Eu.SCI-CC.PDI.3028	Req	0x02           used in a route	007000 310900
Eu.SCI-CC.PDI.3029	Req	0x03           locked in a route	007000 007600 310900
Eu.SCI-CC.PDI.3030	Req	0xFF           Used / Locked not applicable	007000 310900
Eu.SCI-CC.PDI.1210	Req	<b>Flank Protection Area</b> The message byte 67 shall be set to one of the following values: <div>value            meaning</div> <div>-----        -----</div>	007000 007600 310900
Eu.SCI-CC.PDI.1212	Req	0x01           does not lie in flank protection area	310900
Eu.SCI-CC.PDI.1211	Req	0x02           lies in flank protection area	310900
Eu.SCI-CC.PDI.2413	Req	0xFF           Flank Protection Area not applicable	007000 007600 310900
Eu.SCI-CC.PDI.3044	Req	<b>Route Type</b> The message byte 68 shall be set to one of the following values: <div>value            meaning</div> <div>-----        -----</div>	007000 007600 310900
Eu.SCI-CC.PDI.3045	Req	0x01           no route	007000 007600 310900
Eu.SCI-CC.PDI.3046	Req	0x02           Main route	007000 007600 310900
Eu.SCI-CC.PDI.3047	Req	0x03           Shunting route	007000 007600 310900
Eu.SCI-CC.PDI.3048	Req	0x04           Warning route	007000
Eu.SCI-CC.PDI.3049	Req	0x05           OS/Call-on route	007000 007600 310900

ID	Type	Requirement		Appl.
Eu.SCI-CC.PDI.3050	Req	0x06	SR route	007000 007600
Eu.SCI-CC.PDI.3051	Req	0xFF	Route Type not applicable	007000 310900
Eu.SCI-CC.PDI.3031	Req	<b>Overlap Type</b> The message byte 69 shall be set to the one of the following values:  value            meaning -----    -----		007000 007600 310900
Eu.SCI-CC.PDI.3032	Req	0x01	no route	007600 310900
Eu.SCI-CC.PDI.3033	Req	0x02	Main route	007600 310900
Eu.SCI-CC.PDI.3036	Req	0x05	OS/Call-on route	007600
Eu.SCI-CC.PDI.3038	Req	0xFF	Overlap Type not applicable	007000
Eu.SCI-CC.PDI.3039	Req	<b>Occupied</b> The message byte 70 shall be set to one of the following values:  value            meaning -----    -----		007000 007600 310900
Eu.SCI-CC.PDI.3040	Req	0x01	Occupied	007000 007600 310900
Eu.SCI-CC.PDI.3041	Req	0x02	Not Occupied	007000 007600 310900
Eu.SCI-CC.PDI.3042	Req	0x03	Disturbed	007000 007600 310900
Eu.SCI-CC.PDI.3043	Req	0xFF	Occupied not applicable	007000 310900
Eu.SCI-CC.PDI.1204	Req	<b>Fragmented</b> The message byte 71 shall be set to one of the following values:  value            meaning -----    -----		007000 007600 310900
Eu.SCI-CC.PDI.1209	Req	0x01	fragmented, timer is running	310900
Eu.SCI-CC.PDI.1208	Req	0x02	fragmented, timer is not running	310900
Eu.SCI-CC.PDI.1205	Req	0x03	not fragmented	310900
Eu.SCI-CC.PDI.1206	Req	0xFF	Fragmented not applicable	007000 007600 310900
Eu.SCI-CC.PDI.2476	Req	<b>OHL Groupset applicability</b> Byte 72 shall be set to one of the following values:  value            meaning -----    -----		007000 007600 310900
Eu.SCI-CC.PDI.2477	Req	0x01	Track is part of an OHL groupset	999900
Eu.SCI-CC.PDI.2478	Req	0x02	Track is not part of an OHL groupset	999900
Eu.SCI-CC.PDI.2479	Req	0xFF	OHL Groupset not applicable	007000 007600 310900

ID	Type	Requirement	Appl.
Eu.SCI-CC.PDI.1213	Req	<b>OHL Groupset ID</b> Where byte 72 is equal to 0x01 (Track is part of an OHL groupset) then bytes 73 to 92 shall contain the relevant OHL Groupset identity according to section 3.3. 20 times the NULL character (0x00) shall not be used to identify an OHL Groupset.	999900
Eu.SCI-CC.PDI.1214	Req	Where byte 72 is equal to 0x02 (Track is not part of an OHL groupset) or 0xFF (OHL Groupset not applicable) then the bytes 73 to 92 shall contain 20 times the NULL character (0x00).	007000 007600 310900
Eu.SCI-CC.PDI.2495	Req	<b>EC Route blocking</b> The message bytes 93 to 98 shall be set to one of the following values:  value                      meaning -----                      -----	007000 007600 310900
Eu.SCI-CC.PDI.2496	Req	0xFFFF FFFF FFFF      EC Route blocking not applicable	007000 007600 310900
Eu.SCI-CC.PDI.2497	Req	Where EC Route blocking is applicable, the bytes 93 to 98 shall be set as specified in the remainder of this section.	999900
Eu.SCI-CC.PDI.1221	Req	<b>EC01</b> The message byte 93 bits 0 and 1 shall be set to one of the following values:  value              meaning -----              -----	999900
Eu.SCI-CC.PDI.1223	Req	01                      blocking set for “EC01: No access”	999900
Eu.SCI-CC.PDI.1222	Req	10                      blocking not set for “EC01: No access”	999900
Eu.SCI-CC.PDI.1224	Req	<b>EC02</b> The message byte 93 bits 2 and 3 shall be set to one of the following values:  value              meaning -----              -----	999900
Eu.SCI-CC.PDI.1226	Req	01                      blocking set for “EC02: Work track”	999900
Eu.SCI-CC.PDI.1225	Req	10                      blocking not set for “EC02: Work track”	999900
Eu.SCI-CC.PDI.1227	Req	<b>EC03</b> The message byte 93 bits 4 and 5 shall be set to one of the following values:  value              meaning -----              -----	999900
Eu.SCI-CC.PDI.1229	Req	01                      blocking set for “EC03: Track out of service”	999900
Eu.SCI-CC.PDI.1228	Req	10                      blocking not set for “EC03: Track out of service”	999900
Eu.SCI-CC.PDI.1230	Req	<b>EC04</b> The message byte 93 bits 6 and 7 shall be set to one of the following values:  value              meaning -----              -----	999900
Eu.SCI-CC.PDI.1232	Req	01                      blocking set for “EC04: Emergency train”	999900
Eu.SCI-CC.PDI.1231	Req	10                      blocking not set for “EC04: Emergency train”	999900
Eu.SCI-CC.PDI.2053	Req	<b>EC05(1)</b> The message byte 94 bits 0 and 1 shall be set to one of the following values:  value              meaning -----              -----	999900
Eu.SCI-CC.PDI.2055	Req	01                      blocking set for “EC05(1): Secondary vehicle”	999900
Eu.SCI-CC.PDI.2054	Req	10                      blocking not set for “EC05(1): Secondary vehicle”	999900
Eu.SCI-CC.PDI.2056	Req	<b>EC05(2)</b> The message byte 94 bits 2 and 3 shall be set to one of the following values:  value              meaning -----              -----	999900
Eu.SCI-CC.PDI.2058	Req	01                      blocking set for “EC05(2): Secondary vehicle”	999900

ID	Type	Requirement	Appl.
Eu.SCI-CC.PDI.2057	Req	10            blocking not set for “EC05(2): Secondary vehicle”	999900
Eu.SCI-CC.PDI.2059	Req	<b>EC05(3)</b> The message byte 94 bits 4 and 5 shall be set to one of the following values:  value            meaning -----        -----	999900
Eu.SCI-CC.PDI.2061	Req	01            blocking set for “EC05(3): Secondary vehicle”	999900
Eu.SCI-CC.PDI.2060	Req	10            blocking not set for “EC05(3): Secondary vehicle”	999900
Eu.SCI-CC.PDI.2062	Req	<b>EC05(4)</b> The message byte 94 bits 6 and 7 shall be set to one of the following values:  value            meaning -----        -----	999900
Eu.SCI-CC.PDI.2064	Req	01            blocking set for “EC05(4): Secondary vehicle”	999900
Eu.SCI-CC.PDI.2063	Req	10            blocking not set for “EC05(4): Secondary vehicle”	999900
Eu.SCI-CC.PDI.2065	Req	<b>EC05(5)</b> The message byte 95 bits 0 and 1 shall be set to one of the following values:  value            meaning -----        -----	999900
Eu.SCI-CC.PDI.2067	Req	01            blocking set for “EC05(5): Secondary vehicle”	999900
Eu.SCI-CC.PDI.2066	Req	10            blocking not set for “EC05(5): Secondary vehicle”	999900
Eu.SCI-CC.PDI.2071	Req	<b>EC06</b> The message byte 95 bits 2 and 3 shall be set to one of the following values:  value            meaning -----        -----	999900
Eu.SCI-CC.PDI.2073	Req	01            blocking set for “EC06: Team”	999900
Eu.SCI-CC.PDI.2072	Req	10            blocking not set for “EC06: Team”	999900
Eu.SCI-CC.PDI.2074	Req	<b>EC07(1)</b> The message byte 95 bits 4 and 5 shall be set to one of the following values:  value            meaning -----        -----	999900
Eu.SCI-CC.PDI.2076	Req	01            blocking set for “EC07(1): Level crossing”	999900
Eu.SCI-CC.PDI.2075	Req	10            blocking not set for “EC07(1): Level crossing”	999900
Eu.SCI-CC.PDI.2077	Req	<b>EC07(2)</b> The message byte 95 bits 6 and 7 shall be set to one of the following values:  value            meaning -----        -----	999900
Eu.SCI-CC.PDI.2079	Req	01            blocking set for “EC07(2): Level crossing”	999900
Eu.SCI-CC.PDI.2078	Req	10            blocking not set for “EC07(2): Level crossing”	999900
Eu.SCI-CC.PDI.2080	Req	<b>EC07(3)</b> The message byte 96 bits 0 and 1 shall be set to one of the following values:  value            meaning -----        -----	999900
Eu.SCI-CC.PDI.2082	Req	01            blocking set for “EC07(3): Level crossing”	999900
Eu.SCI-CC.PDI.2081	Req	10            blocking not set for “EC07(3): Level crossing”	999900
Eu.SCI-CC.PDI.2083	Req	<b>EC07(4)</b> The message byte 96 bits 2 and 3 shall be set to one of the following values:  value            meaning -----        -----	999900

ID	Type	Requirement	Appl.
Eu.SCI-CC.PDI.2085	Req	01blocking set for "EC07(4): Level crossing"	999900
Eu.SCI-CC.PDI.2084	Req	10blocking not set for "EC07(4): Level crossing"	999900
Eu.SCI-CC.PDI.2086	Req	<b>EC07(5)</b> The message byte 96 bits 4 and 5 shall be set to one of the following values:  value            meaning ----- -----	999900
Eu.SCI-CC.PDI.2088	Req	01blocking set for "EC07(5): Level crossing"	999900
Eu.SCI-CC.PDI.2087	Req	10blocking not set for "EC07(5): Level crossing"	999900
Eu.SCI-CC.PDI.2180	Req	<b>EC07(6)</b> The message byte 96 bits 6 and 7 shall be set to one of the following values:  value            meaning ----- -----	999900
Eu.SCI-CC.PDI.2181	Req	01blocking set for "EC07(6): Level crossing"	999900
Eu.SCI-CC.PDI.2182	Req	10blocking not set for "EC07(6): Level crossing"	999900
Eu.SCI-CC.PDI.1242	Req	<b>EC08</b> The message byte 97 bits 0 and 1 shall be set to one of the following values:  value            meaning ----- -----	999900
Eu.SCI-CC.PDI.1244	Req	01blocking set for "EC08: Vacancy check"	999900
Eu.SCI-CC.PDI.1243	Req	10blocking not set for "EC08: Vacancy check"	999900
Eu.SCI-CC.PDI.1245	Req	<b>EC09</b> The message byte 97 bits 2 and 3 shall be set to one of the following values:  value            meaning ----- -----	999900
Eu.SCI-CC.PDI.1247	Req	01blocking set for "EC09: Route check"	999900
Eu.SCI-CC.PDI.1246	Req	10blocking not set for "EC09: Route check"	999900
Eu.SCI-CC.PDI.1248	Req	<b>EC10</b> The message byte 97 bits 4 and 5 shall be set to one of the following values:  value            meaning ----- -----	999900
Eu.SCI-CC.PDI.1250	Req	01blocking set for "EC10: No electric trains"	999900
Eu.SCI-CC.PDI.1249	Req	10blocking not set for "EC10: No electric trains"	999900
Eu.SCI-CC.PDI.1251	Req	<b>EC11</b> The message byte 97 bits 6 and 7 shall be set to one of the following values:  value            meaning ----- -----	999900
Eu.SCI-CC.PDI.1253	Req	01blocking set for "EC11: Extraordinary transport"	999900
Eu.SCI-CC.PDI.1252	Req	10blocking not set for "EC11: Extraordinary transport"	999900
Eu.SCI-CC.PDI.1254	Req	<b>EC12</b> The message byte 98 bits 0 and 1 shall be set to one of the following values:  value            meaning ----- -----	999900
Eu.SCI-CC.PDI.1256	Req	01blocking set for "EC12: Protection of a catenary section"	999900
Eu.SCI-CC.PDI.1255	Req	10blocking not set for "EC12: Protection of a catenary section"	999900



ID	Type	Requirement				Appl.																																																																																																																			
Eu.SCI-CC.PDI.1257	Req	<b>EC13</b> The message byte 98 bits 2 and 3 shall be set to one of the following values: <table><tr><td>value</td><td>meaning</td></tr><tr><td>-----</td><td>-----</td></tr></table>				value	meaning	-----	-----	999900																																																																																																															
value	meaning																																																																																																																								
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Eu.SCI-CC.PDI.1259	Req	01	blocking set for “EC13: Written order”			999900																																																																																																																			
Eu.SCI-CC.PDI.1258	Req	10	blocking not set for “EC13: Written order”			999900																																																																																																																			
Eu.SCI-CC.PDI.2494	Req	<b>Spare bits</b> The message byte 98 bits 4 to 7 shall be set to 0xF.				999900																																																																																																																			
Eu.SCI-CC.PDI.3710	Req	<b>Prepared Route Type</b> The message byte 99 shall be set to one of the following values: <table><tr><td>value</td><td>meaning</td></tr><tr><td>-----</td><td>-----</td></tr></table>				value	meaning	-----	-----	007000 007600 310900																																																																																																															
value	meaning																																																																																																																								
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Eu.SCI-CC.PDI.3711	Req	0x01	No route prepared			007600																																																																																																																			
Eu.SCI-CC.PDI.3714	Req	0x02	FS route prepared			007600																																																																																																																			
Eu.SCI-CC.PDI.3713	Req	0x03	OS route prepared			007600																																																																																																																			
Eu.SCI-CC.PDI.3712	Req	0xFF	Prepared Route Type not applicable			007000 007600 310900																																																																																																																			
Eu.SCI-CC.PDI.1168	Head	<b>3.5.6.17 Message “Diamond Crossing Status”</b>				007900 310900																																																																																																																			
Eu.SCI-CC.PDI.2261	Info	This telegram refines the InformationFlow "Msg_Diamond_Crossing_Status" specified in the requirements specification (ID Eu.CC.2012).				007900 310900																																																																																																																			
Eu.SCI-CC.PDI.1169	Info	Telegram definition for status message “Diamond Crossing Status” <table><tr><th>Byte / Bit</th><th colspan="4">Content</th></tr><tr><td>00</td><td colspan="4">Protocol Type: 0x70 (1 Byte binary)</td></tr><tr><td>01..02</td><td colspan="4">Message Type: 0x0040 (2 Bytes binary)</td></tr><tr><td>03..22</td><td colspan="4">Sender: ILS Identifier (20 Bytes text)</td></tr><tr><td>23..42</td><td colspan="4">Receiver: TCS Identifier (20 Bytes text)</td></tr><tr><td>43</td><td colspan="4">Information Type: 0x08 (1 Byte binary)</td></tr><tr><td>44..63</td><td colspan="4">Diamond Crossing ID (20 Bytes text)</td></tr><tr><td>64</td><td colspan="4">Active Control (1 Byte binary)</td></tr><tr><td>65</td><td colspan="4">Direction (1 Byte binary)</td></tr><tr><td>66</td><td colspan="4">Used / Locked (1 Byte binary)</td></tr><tr><td>67</td><td colspan="4">Flank protection (1 Byte binary)</td></tr><tr><td>68</td><td colspan="4">Route Type (1 Byte binary)</td></tr><tr><td>69</td><td colspan="4">Overlap Type (1 Byte binary)</td></tr><tr><td>70</td><td colspan="4">Occupied (1 Byte binary)</td></tr><tr><td>71</td><td colspan="4">Fragmented (1 Byte binary)</td></tr><tr><td>72</td><td colspan="4">OHL Groupset applicability (1 Byte binary)</td></tr><tr><td>73..92</td><td colspan="4">OHL Groupset ID (20 Bytes text)</td></tr><tr><td>93</td><td>EC04</td><td>EC03</td><td>EC02</td><td>EC01</td></tr><tr><td>94</td><td>EC05(4)</td><td>EC05(3)</td><td>EC05(2)</td><td>EC05(1)</td></tr><tr><td>95</td><td>EC07(2)</td><td>EC07(1)</td><td>EC06</td><td>EC05(5)</td></tr><tr><td>96</td><td>EC07(6)</td><td>EC07(5)</td><td>EC07(4)</td><td>EC07(3)</td></tr><tr><td>97</td><td>EC11</td><td>EC10</td><td>EC09</td><td>EC08</td></tr><tr><td>98</td><td colspan="2"></td><td>EC13</td><td>EC12</td></tr></table>				Byte / Bit	Content				00	Protocol Type: 0x70 (1 Byte binary)				01..02	Message Type: 0x0040 (2 Bytes binary)				03..22	Sender: ILS Identifier (20 Bytes text)				23..42	Receiver: TCS Identifier (20 Bytes text)				43	Information Type: 0x08 (1 Byte binary)				44..63	Diamond Crossing ID (20 Bytes text)				64	Active Control (1 Byte binary)				65	Direction (1 Byte binary)				66	Used / Locked (1 Byte binary)				67	Flank protection (1 Byte binary)				68	Route Type (1 Byte binary)				69	Overlap Type (1 Byte binary)				70	Occupied (1 Byte binary)				71	Fragmented (1 Byte binary)				72	OHL Groupset applicability (1 Byte binary)				73..92	OHL Groupset ID (20 Bytes text)				93	EC04	EC03	EC02	EC01	94	EC05(4)	EC05(3)	EC05(2)	EC05(1)	95	EC07(2)	EC07(1)	EC06	EC05(5)	96	EC07(6)	EC07(5)	EC07(4)	EC07(3)	97	EC11	EC10	EC09	EC08	98			EC13	EC12	007900 310900
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44..63	Diamond Crossing ID (20 Bytes text)																																																																																																																								
64	Active Control (1 Byte binary)																																																																																																																								
65	Direction (1 Byte binary)																																																																																																																								
66	Used / Locked (1 Byte binary)																																																																																																																								
67	Flank protection (1 Byte binary)																																																																																																																								
68	Route Type (1 Byte binary)																																																																																																																								
69	Overlap Type (1 Byte binary)																																																																																																																								
70	Occupied (1 Byte binary)																																																																																																																								
71	Fragmented (1 Byte binary)																																																																																																																								
72	OHL Groupset applicability (1 Byte binary)																																																																																																																								
73..92	OHL Groupset ID (20 Bytes text)																																																																																																																								
93	EC04	EC03	EC02	EC01																																																																																																																					
94	EC05(4)	EC05(3)	EC05(2)	EC05(1)																																																																																																																					
95	EC07(2)	EC07(1)	EC06	EC05(5)																																																																																																																					
96	EC07(6)	EC07(5)	EC07(4)	EC07(3)																																																																																																																					
97	EC11	EC10	EC09	EC08																																																																																																																					
98			EC13	EC12																																																																																																																					
Eu.SCI-CC.PDI.1170	Req	<b>Message Type</b> Bytes 01 and 02 shall be set to 0x0040.				007900 310900																																																																																																																			
Eu.SCI-CC.PDI.1171	Req	<b>Sender Identifier</b> The message bytes 03..22 shall contain the technical identifier of the Subsystem - Electronic Interlocking according to section 3.2.				007900 310900																																																																																																																			
Eu.SCI-CC.PDI.1172	Req	<b>Receiver Identifier</b> The message bytes 23..42 shall contain the technical identifier of the TCS according to section 3.2.				007900 310900																																																																																																																			

ID	Type	Requirement	Appl.
Eu.SCI-CC.PDI.1173	Req	<b>Information Type</b> The message byte 43 shall be set to 0x08.	007900 310900
Eu.SCI-CC.PDI.1174	Req	<b>Diamond Crossing ID</b> Bytes 44 to 63 shall contain a unique Diamond Crossing identity according to section 3.3.	007900 310900
Eu.SCI-CC.PDI.3400	Req	<b>Active Control</b> Byte 64 shall be set to one of the following values:  value            meaning -----    -----	007900 310900
Eu.SCI-CC.PDI.3401	Req	0x01            not in active control	007900 310900
Eu.SCI-CC.PDI.3402	Req	0x02            in active control	007900 310900
Eu.SCI-CC.PDI.3403	Info	Note: When byte 64 is set to 0x01 then the information contained within this telegram should be considered as “last known”.	007900 310900
Eu.SCI-CC.PDI.1175	Req	<b>Direction</b> The message byte 65 shall be set to one of the following values:  value            meaning -----    -----	007900 310900
Eu.SCI-CC.PDI.1177	Req	0x01            failed	310900
Eu.SCI-CC.PDI.1178	Req	0x02            Right	007900 310900
Eu.SCI-CC.PDI.1179	Req	0x03            Left	007900 310900
Eu.SCI-CC.PDI.1180	Req	0x04            direction undefined	007900 310900
Eu.SCI-CC.PDI.1181	Req	<b>Used/Locked</b> The message byte 66 shall be set to one of the following values:  value            meaning -----    -----	007900 310900
Eu.SCI-CC.PDI.1182	Req	0x01            not used and not locked	007900 310900
Eu.SCI-CC.PDI.1183	Req	0x02            used in a route	007900 310900
Eu.SCI-CC.PDI.1184	Req	0x03            locked in a route	007900 310900
Eu.SCI-CC.PDI.1186	Req	<b>Flank protection</b> The message byte 67 shall be set to the one of the following values:  value            meaning -----    -----	007900 310900
Eu.SCI-CC.PDI.1188	Req	0x01            flank protection is locked	007900 310900
Eu.SCI-CC.PDI.1187	Req	0x02            flank protection is released	007900 310900
Eu.SCI-CC.PDI.3158	Req	<b>Route Type</b> The message byte 68 shall be set to one of the following values:  value            meaning -----    -----	007900 310900
Eu.SCI-CC.PDI.3159	Req	0x01            no route	007900 310900

ID	Type	Requirement		Appl.
Eu.SCI-CC.PDI.3160	Req	0x02	Main route	007900 310900
Eu.SCI-CC.PDI.3161	Req	0x03	Shunting route	007900 310900
Eu.SCI-CC.PDI.3163	Req	0x05	OS/Call-on route	007900 310900
Eu.SCI-CC.PDI.3165	Req	0xFF	Route Type not applicable	007900 310900
Eu.SCI-CC.PDI.3166	Req	<b>Overlap Type</b> The message byte 69 shall be set to the one of the following values:  value            meaning -----        -----		007900 310900
Eu.SCI-CC.PDI.3167	Req	0x01	no route	310900
Eu.SCI-CC.PDI.3168	Req	0x02	Main route	310900
Eu.SCI-CC.PDI.3173	Req	0xFF	Overlap Type not applicable	007900
Eu.SCI-CC.PDI.3174	Req	<b>Occupied</b> The message byte 70 shall be set to one of the following values:  value            meaning -----        -----		007900 310900
Eu.SCI-CC.PDI.3175	Req	0x01	Occupied	007900 310900
Eu.SCI-CC.PDI.3176	Req	0x02	Not Occupied	007900 310900
Eu.SCI-CC.PDI.3177	Req	0x03	Disturbed	007900 310900
Eu.SCI-CC.PDI.3178	Req	0xFF	Occupied not applicable	007900 310900
Eu.SCI-CC.PDI.1189	Req	<b>Fragmented</b> The message byte 71 shall be set to one of the following values:  value            meaning -----        -----		007900 310900
Eu.SCI-CC.PDI.1194	Req	0x01	fragmented, timer is running	007900
Eu.SCI-CC.PDI.1193	Req	0x02	fragmented, timer is not running	007900
Eu.SCI-CC.PDI.1190	Req	0x03	not fragmented	007900
Eu.SCI-CC.PDI.1191	Req	0xFF	Fragmented not applicable	310900
Eu.SCI-CC.PDI.2472	Req	<b>OHL Groupset applicability</b> Byte 72 shall be set to one of the following values:  value            meaning -----        -----		007900 310900
Eu.SCI-CC.PDI.2473	Req	0x01	Diamond Crossing is part of an OHL groupset	999900
Eu.SCI-CC.PDI.2474	Req	0x02	Diamond Crossing is not part of an OHL groupset	999900
Eu.SCI-CC.PDI.2475	Req	0xFF	OHL Groupset not applicable	007900 310900
Eu.SCI-CC.PDI.1195	Req	<b>OHL Groupset ID</b> Where byte 72 is equal to 0x01 (Diamond Crossing is part of an OHL groupset) then bytes 73..92 shall contain the relevant OHL Groupset identity according to section 3.3. 20 times the NULL character (0x00) shall not be used to identify an OHL Groupset.		999900

ID	Type	Requirement	Appl.
Eu.SCI-CC.PDI.1196	Req	Where byte 72 is equal to 0x02 (Diamond Crossing is not part of an OHL groupset) or 0xFF (OHL Groupset not applicable) then the bytes 73 to 92 shall contain 20 times the NULL character (0x00).	007900 310900
Eu.SCI-CC.PDI.2490	Req	<b>EC Route blocking</b> The message bytes 93 to 98 shall be set to one of the following values: <div>value                      meaning -----                      -----</div>	007900 310900 999900
Eu.SCI-CC.PDI.2491	Req	0xFFFF FFFF FFFF              EC Route blocking not applicable	007900 310900 999900
Eu.SCI-CC.PDI.2492	Req	Where EC Route blocking is applicable, the bytes 92 to 97 shall be set as specified in the remainder of this section.	999900
Eu.SCI-CC.PDI.1792	Req	<b>EC01</b> The message byte 93 bits 0 and 1 shall be set to one of the following values: <div>value                      meaning -----                      -----</div>	999900
Eu.SCI-CC.PDI.1794	Req	01                      blocking set for "EC01: No access"	999900
Eu.SCI-CC.PDI.1793	Req	10                      blocking not set for "EC01: No access"	999900
Eu.SCI-CC.PDI.1795	Req	<b>EC02</b> The message byte 93 bits 2 and 3 shall be set to one of the following values: <div>value                      meaning -----                      -----</div>	999900
Eu.SCI-CC.PDI.1797	Req	01                      blocking set for "EC02: Work track"	999900
Eu.SCI-CC.PDI.1796	Req	10                      blocking not set for "EC02: Work track"	999900
Eu.SCI-CC.PDI.1798	Req	<b>EC03</b> The message byte 93 bits 4 and 5 shall be set to one of the following values: <div>value                      meaning -----                      -----</div>	999900
Eu.SCI-CC.PDI.1800	Req	01                      blocking set for "EC03: Track out of service"	999900
Eu.SCI-CC.PDI.1799	Req	10                      blocking not set for "EC03: Track out of service"	999900
Eu.SCI-CC.PDI.1801	Req	<b>EC04</b> The message byte 93 bits 6 and 7 shall be set to one of the following values: <div>value                      meaning -----                      -----</div>	999900
Eu.SCI-CC.PDI.1803	Req	01                      blocking set for "EC04: Emergency train"	999900
Eu.SCI-CC.PDI.1802	Req	10                      blocking not set for "EC04: Emergency train"	999900
Eu.SCI-CC.PDI.2089	Req	<b>EC05(1)</b> The message byte 94 bits 0 and 1 shall be set to one of the following values: <div>value                      meaning -----                      -----</div>	999900
Eu.SCI-CC.PDI.2091	Req	01                      blocking set for "EC05(1): Secondary vehicle"	999900
Eu.SCI-CC.PDI.2090	Req	10                      blocking not set for "EC05(1): Secondary vehicle"	999900
Eu.SCI-CC.PDI.2092	Req	<b>EC05(2)</b> The message byte 94 bits 2 and 3 shall be set to one of the following values: <div>value                      meaning -----                      -----</div>	999900
Eu.SCI-CC.PDI.2094	Req	01                      blocking set for "EC05(2): Secondary vehicle"	999900
Eu.SCI-CC.PDI.2093	Req	10                      blocking not set for "EC05(2): Secondary vehicle"	999900

ID	Type	Requirement	Appl.				
Eu.SCI-CC.PDI.2095	Req	<b>EC05(3)</b> The message byte 94 bits 4 and 5 shall be set to one of the following values: <table><tr><td>value</td><td>meaning</td></tr><tr><td>-----</td><td>-----</td></tr></table>	value	meaning	-----	-----	999900
value	meaning						
-----	-----						
Eu.SCI-CC.PDI.2097	Req	01            blocking set for “EC05(3): Secondary vehicle”	999900				
Eu.SCI-CC.PDI.2096	Req	10            blocking not set for “EC05(3): Secondary vehicle”	999900				
Eu.SCI-CC.PDI.2098	Req	<b>EC05(4)</b> The message byte 94 bits 6 and 7 shall be set to one of the following values: <table><tr><td>value</td><td>meaning</td></tr><tr><td>-----</td><td>-----</td></tr></table>	value	meaning	-----	-----	999900
value	meaning						
-----	-----						
Eu.SCI-CC.PDI.2100	Req	01            blocking set for “EC05(4): Secondary vehicle”	999900				
Eu.SCI-CC.PDI.2099	Req	10            blocking not set for “EC05(4): Secondary vehicle”	999900				
Eu.SCI-CC.PDI.2101	Req	<b>EC05(5)</b> The message byte 95 bits 0 and 1 shall be set to one of the following values: <table><tr><td>value</td><td>meaning</td></tr><tr><td>-----</td><td>-----</td></tr></table>	value	meaning	-----	-----	999900
value	meaning						
-----	-----						
Eu.SCI-CC.PDI.2103	Req	01            blocking set for “EC05(5): Secondary vehicle”	999900				
Eu.SCI-CC.PDI.2102	Req	10            blocking not set for “EC05(5): Secondary vehicle”	999900				
Eu.SCI-CC.PDI.2107	Req	<b>EC06</b> The message byte 95 bits 2 and 3 shall be set to one of the following values: <table><tr><td>value</td><td>meaning</td></tr><tr><td>-----</td><td>-----</td></tr></table>	value	meaning	-----	-----	999900
value	meaning						
-----	-----						
Eu.SCI-CC.PDI.2109	Req	01            blocking set for “EC06: Team”	999900				
Eu.SCI-CC.PDI.2108	Req	10            blocking not set for “EC06: Team”	999900				
Eu.SCI-CC.PDI.2110	Req	<b>EC07(1)</b> The message byte 95 bits 4 and 5 shall be set to one of the following values: <table><tr><td>value</td><td>meaning</td></tr><tr><td>-----</td><td>-----</td></tr></table>	value	meaning	-----	-----	999900
value	meaning						
-----	-----						
Eu.SCI-CC.PDI.2112	Req	01            blocking set for “EC07(1): Level crossing”	999900				
Eu.SCI-CC.PDI.2111	Req	10            blocking not set for “EC07(1): Level crossing”	999900				
Eu.SCI-CC.PDI.2113	Req	<b>EC07(2)</b> The message byte 95 bits 6 and 7 shall be set to one of the following values: <table><tr><td>value</td><td>meaning</td></tr><tr><td>-----</td><td>-----</td></tr></table>	value	meaning	-----	-----	999900
value	meaning						
-----	-----						
Eu.SCI-CC.PDI.2115	Req	01            blocking set for “EC07(2): Level crossing”	999900				
Eu.SCI-CC.PDI.2114	Req	10            blocking not set for “EC07(2): Level crossing”	999900				
Eu.SCI-CC.PDI.2116	Req	<b>EC07(3)</b> The message byte 96 bits 0 and 1 shall be set to one of the following values: <table><tr><td>value</td><td>meaning</td></tr><tr><td>-----</td><td>-----</td></tr></table>	value	meaning	-----	-----	999900
value	meaning						
-----	-----						
Eu.SCI-CC.PDI.2118	Req	01            blocking set for “EC07(3): Level crossing”	999900				
Eu.SCI-CC.PDI.2117	Req	10            blocking not set for “EC07(3): Level crossing”	999900				
Eu.SCI-CC.PDI.2119	Req	<b>EC07(4)</b> The message byte 96 bits 2 and 3 shall be set to one of the following values: <table><tr><td>value</td><td>meaning</td></tr><tr><td>-----</td><td>-----</td></tr></table>	value	meaning	-----	-----	999900
value	meaning						
-----	-----						
Eu.SCI-CC.PDI.2121	Req	01            blocking set for “EC07(4): Level crossing”	999900				

ID	Type	Requirement	Appl.
Eu.SCI-CC.PDI.2120	Req	10            blocking not set for “EC07(4): Level crossing”	999900
Eu.SCI-CC.PDI.2122	Req	<b>EC07(5)</b> The message byte 96 bit 4 and 5 shall be set to one of the following values:  value            meaning -----        -----	999900
Eu.SCI-CC.PDI.2124	Req	01            blocking set for “EC07(5): Level crossing”	999900
Eu.SCI-CC.PDI.2123	Req	10            blocking not set for “EC07(5): Level crossing”	999900
Eu.SCI-CC.PDI.2183	Req	<b>EC07(6)</b> The message byte 96 bits 6 and 7 shall be set to one of the following values:  value            meaning -----        -----	999900
Eu.SCI-CC.PDI.2184	Req	01            blocking set for “EC07(6): Level crossing”	999900
Eu.SCI-CC.PDI.2185	Req	10            blocking not set for “EC07(6): Level crossing”	999900
Eu.SCI-CC.PDI.1813	Req	<b>EC08</b> The message byte 97 bits 0 and 1 shall be set to one of the following values:  value            meaning -----        -----	999900
Eu.SCI-CC.PDI.1815	Req	01            blocking set for “EC08: Vacancy check”	999900
Eu.SCI-CC.PDI.1814	Req	10            blocking not set for “EC08: Vacancy check”	999900
Eu.SCI-CC.PDI.1816	Req	<b>EC09</b> The message byte 97 bits 2 and 3 shall be set to one of the following values:  value            meaning -----        -----	999900
Eu.SCI-CC.PDI.1818	Req	01            blocking set for “EC09: Route check”	999900
Eu.SCI-CC.PDI.1817	Req	10            blocking not set for “EC09: Route check”	999900
Eu.SCI-CC.PDI.1819	Req	<b>EC10</b> The message byte 97 bits 4 and 5 shall be set to one of the following values:  value            meaning -----        -----	999900
Eu.SCI-CC.PDI.1821	Req	01            blocking set for “EC10: No electric trains”	999900
Eu.SCI-CC.PDI.1820	Req	10            blocking not set for “EC10: No electric trains”	999900
Eu.SCI-CC.PDI.1822	Req	<b>EC11</b> The message byte 97 bits 6 and 7 shall be set to one of the following values:  value            meaning -----        -----	999900
Eu.SCI-CC.PDI.1824	Req	01            blocking set for “EC11: Extraordinary transport”	999900
Eu.SCI-CC.PDI.1823	Req	10            blocking not set for “EC11: Extraordinary transport”	999900
Eu.SCI-CC.PDI.1825	Req	<b>EC12</b> The message byte 98 bits 0 and 1 shall be set to one of the following values:  value            meaning -----        -----	999900
Eu.SCI-CC.PDI.1827	Req	01            blocking set for “EC12: Protection of a catenary section”	999900
Eu.SCI-CC.PDI.1826	Req	10            blocking not set for “EC12: Protection of a catenary section”	999900
Eu.SCI-CC.PDI.1828	Req	<b>EC13</b> The message byte 98 bits 2 and 3 shall be set to one of the following values:  value            meaning -----        -----	999900

ID	Type	Requirement		Appl.																																																																								
Eu.SCI-CC.PDI.2051	Req	01	blocking set for “EC13: Written order”	999900																																																																								
Eu.SCI-CC.PDI.1829	Req	10	blocking not set for “EC13: Written order”	999900																																																																								
Eu.SCI-CC.PDI.2493	Req	<b>Spare bits</b> The message byte 98 bits 4 to 7 shall be set to 0xF.		999900																																																																								
Eu.SCI-CC.PDI.1679	Head	<b>3.5.6.18 Message “Level Crossing Status”</b>		007000 007600 007900 310900																																																																								
Eu.SCI-CC.PDI.2288	Info	This telegram refines the InformationFlow "Msg_Level_Crossing_Status" specified in the requirements specification (ID Eu.CC.2015).		007000 007600 007900 310900																																																																								
Eu.SCI-CC.PDI.1680	Info	Telegram definition for status message “Level Crossing Status” <table><tr><th>Byte / Bit</th><th>Content</th></tr><tr><td>00</td><td>Protocol Type: 0x70 (1 Byte binary)</td></tr><tr><td>01..02</td><td>Message Type: 0x0040 (2 Bytes binary)</td></tr><tr><td>03..22</td><td>Sender: ILS Identifier (20 Bytes text)</td></tr><tr><td>23..42</td><td>Receiver: TCS Identifier (20 Bytes text)</td></tr><tr><td>43</td><td>Information Type: 0x0A (1 Byte binary)</td></tr><tr><td>44..63</td><td>Level Crossing ID (20 Bytes text)</td></tr><tr><td>64</td><td>Active Control (1 Byte binary)</td></tr><tr><td>65</td><td>Mode (1 Byte binary)</td></tr><tr><td>66</td><td>Barriers (1 Byte binary)</td></tr><tr><td>67</td><td>Activation (1 Byte binary)</td></tr><tr><td>68</td><td>Protected All Tracks (1 Byte binary)</td></tr><tr><td>69</td><td>Protected Track Related (1 Byte binary)</td></tr><tr><td>70</td><td>Manual Request (1 Byte binary)</td></tr><tr><td>71</td><td>Activation Sensors Activated (1 Byte binary)</td></tr><tr><td>72</td><td>Activation Sensors Deactivated (1 Byte binary)</td></tr><tr><td>73</td><td>Deactivation Element Occupied (1 Byte binary)</td></tr><tr><td>74</td><td>Track Independent Bypassed (1 Byte binary)</td></tr><tr><td>75</td><td>Track Dependent Bypassed (1 Byte binary)</td></tr><tr><td>76</td><td>Auto Raise (1 Byte binary)</td></tr><tr><td>77</td><td>Auto Lower (1 Byte binary)</td></tr><tr><td>78</td><td>Train Approaching (1 Byte binary)</td></tr><tr><td>79</td><td>Obstruction (1 Byte binary)</td></tr><tr><td>80</td><td>Road Lights (1 Byte binary)</td></tr><tr><td>81</td><td>Pedestrian Lamp (1 Byte binary)</td></tr><tr><td>82</td><td>Primary Power (1 Byte binary)</td></tr><tr><td>83</td><td>Standby Power (1 Byte binary)</td></tr><tr><td>84</td><td>Blocked for Activation (1 Byte binary)</td></tr><tr><td>85</td><td>Blocked for Deactivation (1 Byte binary)</td></tr><tr><td>86</td><td>Prolonging (1 Byte binary)</td></tr><tr><td>87</td><td>Unprotected Timer (1 Byte binary)</td></tr><tr><td>88</td><td>Messages (1 Byte binary)</td></tr><tr><td>89</td><td>Failure (1 Byte binary)</td></tr><tr><td>90</td><td>Obstacle Detection Mode (1 Byte binary)</td></tr><tr><td>91</td><td>Crossing clear status (1 Byte binary)</td></tr><tr><td>92</td><td>Crossing Opening Alarm (1 Byte binary)</td></tr></table>		Byte / Bit	Content	00	Protocol Type: 0x70 (1 Byte binary)	01..02	Message Type: 0x0040 (2 Bytes binary)	03..22	Sender: ILS Identifier (20 Bytes text)	23..42	Receiver: TCS Identifier (20 Bytes text)	43	Information Type: 0x0A (1 Byte binary)	44..63	Level Crossing ID (20 Bytes text)	64	Active Control (1 Byte binary)	65	Mode (1 Byte binary)	66	Barriers (1 Byte binary)	67	Activation (1 Byte binary)	68	Protected All Tracks (1 Byte binary)	69	Protected Track Related (1 Byte binary)	70	Manual Request (1 Byte binary)	71	Activation Sensors Activated (1 Byte binary)	72	Activation Sensors Deactivated (1 Byte binary)	73	Deactivation Element Occupied (1 Byte binary)	74	Track Independent Bypassed (1 Byte binary)	75	Track Dependent Bypassed (1 Byte binary)	76	Auto Raise (1 Byte binary)	77	Auto Lower (1 Byte binary)	78	Train Approaching (1 Byte binary)	79	Obstruction (1 Byte binary)	80	Road Lights (1 Byte binary)	81	Pedestrian Lamp (1 Byte binary)	82	Primary Power (1 Byte binary)	83	Standby Power (1 Byte binary)	84	Blocked for Activation (1 Byte binary)	85	Blocked for Deactivation (1 Byte binary)	86	Prolonging (1 Byte binary)	87	Unprotected Timer (1 Byte binary)	88	Messages (1 Byte binary)	89	Failure (1 Byte binary)	90	Obstacle Detection Mode (1 Byte binary)	91	Crossing clear status (1 Byte binary)	92	Crossing Opening Alarm (1 Byte binary)	007000 007600 007900 310900
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81	Pedestrian Lamp (1 Byte binary)																																																																											
82	Primary Power (1 Byte binary)																																																																											
83	Standby Power (1 Byte binary)																																																																											
84	Blocked for Activation (1 Byte binary)																																																																											
85	Blocked for Deactivation (1 Byte binary)																																																																											
86	Prolonging (1 Byte binary)																																																																											
87	Unprotected Timer (1 Byte binary)																																																																											
88	Messages (1 Byte binary)																																																																											
89	Failure (1 Byte binary)																																																																											
90	Obstacle Detection Mode (1 Byte binary)																																																																											
91	Crossing clear status (1 Byte binary)																																																																											
92	Crossing Opening Alarm (1 Byte binary)																																																																											
Eu.SCI-CC.PDI.1681	Req	<b>Message Type</b> Bytes 01 and 02 shall be set to 0x0040.		007000 007600 007900 310900																																																																								
Eu.SCI-CC.PDI.1682	Req	<b>Sender Identifier</b> The message bytes 03..22 shall contain the technical identifier of the Subsystem - Electronic Interlocking according to section 3.2.		007000 007600 007900 310900																																																																								
Eu.SCI-CC.PDI.1683	Req	<b>Receiver Identifier</b> The message bytes 23..42 shall contain the technical identifier of the TCS according to section 3.2.		007000 007600 007900 310900																																																																								

ID	Type	Requirement	Appl.
Eu.SCI-CC.PDI.1684	Req	<b>Information Type</b> Byte 43 shall be set to 0x0A.	007000 007600 007900 310900
Eu.SCI-CC.PDI.1685	Req	<b>Level Crossing ID</b> Bytes 44 to 63 shall contain a unique Level Crossing identity according to section 3.3.	007000 007600 007900 310900
Eu.SCI-CC.PDI.2807	Req	<b>Active Control</b> Byte 64 shall be set to one of the following values: <div>value            meaning</div> <div>-----        -</div>	007000 007600 007900 310900
Eu.SCI-CC.PDI.2808	Req	0x01            not in active control	007000 007600 007900 310900
Eu.SCI-CC.PDI.2809	Req	0x02            in active control	007000 007600 007900 310900
Eu.SCI-CC.PDI.3390	Info	Note: When byte 64 is set to 0x01 then the information contained within this telegram should be considered as “last known”.	007000 007600 007900 310900
Eu.SCI-CC.PDI.1686	Req	<b>Mode</b> Byte 65 shall be set to one of the following values: <div>value            meaning</div> <div>-----        -</div>	007000 007600 007900 310900
Eu.SCI-CC.PDI.1688	Req	0x01            Substitute Mode	007900 310900
Eu.SCI-CC.PDI.1689	Req	0x02            Local Control Enabled	007000 007900 310900
Eu.SCI-CC.PDI.2653	Req	0x03            Local Control disabled	007000 007900 310900
Eu.SCI-CC.PDI.1690	Req	0x04            Unmanned	007000
Eu.SCI-CC.PDI.1691	Req	0x05            Auto Mode	007000 007600 007900 310900
Eu.SCI-CC.PDI.4086	Req	0x06            Manned	007000 007600 007900 310900
Eu.SCI-CC.PDI.4087	Req	0x07            Manual Mode	007000 007600 007900 310900
Eu.SCI-CC.PDI.4098	Req	0x08            Signaller intervention required	007000 007600 007900 310900
Eu.SCI-CC.PDI.2820	Req	0xFF            Mode not applicable	007000 007600 007900 310900



ID	Type	Requirement	Appl.
Eu.SCI-CC.PDI.1692	Req	<b>Barriers</b> Byte 66 shall be set to one of the following values:  value            meaning -----      -----	007000 007600 007900 310900
Eu.SCI-CC.PDI.1694	Req	0x01            barriers closing	007000 007900 310900
Eu.SCI-CC.PDI.1696	Req	0x02            barriers opening	007000 007900 310900
Eu.SCI-CC.PDI.1697	Req	0x03            barriers open	007000 007900 310900
Eu.SCI-CC.PDI.1695	Req	0x04            barriers closed	007000 007900 310900
Eu.SCI-CC.PDI.1693	Req	0x05            barriers failed	007000 007900 310900
Eu.SCI-CC.PDI.2371	Req	0xFF            Barriers not applicable	007600
Eu.SCI-CC.PDI.1698	Req	<b>Activation</b> Byte 67 shall be set to one of the following values:  value            meaning -----      -----	007000 007600 007900 310900
Eu.SCI-CC.PDI.1699	Req	0x01            not activated	007000 007600 007900 310900
Eu.SCI-CC.PDI.1700	Req	0x02            activated for all tracks	007000 007600 007900 310900
Eu.SCI-CC.PDI.1701	Req	0x03            activated - track related by command	007900 310900
Eu.SCI-CC.PDI.1702	Req	0x04            activated - track related by vehicle detection	007900 310900
Eu.SCI-CC.PDI.1703	Req	0x05            activated -track related by route request independent of vehicle detection	007900 310900
Eu.SCI-CC.PDI.1704	Req	0x06            deactivation in progress	007600
Eu.SCI-CC.PDI.1705	Req	<b>Protected All Tracks</b> Byte 68 shall be set to one of the following values:  value            meaning -----      -----	007000 007600 007900 310900
Eu.SCI-CC.PDI.1707	Req	0x01            not protected for all tracks permanently	007600 007900
Eu.SCI-CC.PDI.1706	Req	0x02            protected for all tracks permanently	007600 007900
Eu.SCI-CC.PDI.2416	Req	0xFF            Protected All Tracks not applicable	007000 310900
Eu.SCI-CC.PDI.1708	Req	<b>Protected Track Related</b> Byte 69 shall be set to one of the following values:  value            meaning -----      -----	007000 007600 007900 310900

ID	Type	Requirement		Appl.
Eu.SCI-CC.PDI.1710	Req	0x01	protected - track related	007900
Eu.SCI-CC.PDI.1709	Req	0x02	not protected - track related	007900
Eu.SCI-CC.PDI.2417	Req	0xFF	Protected Track Related not applicable	007000 007600 310900
Eu.SCI-CC.PDI.1711	Req	<b>Manual Request</b> Byte 70 shall be set to one of the following values:  value            meaning -----    -----		007000 007600 007900 310900
Eu.SCI-CC.PDI.1713	Req	0x01	manual request present for all tracks from level crossing operator	007900 310900
Eu.SCI-CC.PDI.1712	Req	0x02	manual request not present for all tracks from level crossing operator	007900 310900
Eu.SCI-CC.PDI.2418	Req	0xFF	Manual Request not applicable	007000 007600
Eu.SCI-CC.PDI.1714	Req	<b>Activation Sensors Activated</b> Byte 71 shall be set to one of the following values:  value            meaning -----    -----		007000 007600 007900 310900
Eu.SCI-CC.PDI.1716	Req	0x01	activation sensors activated by route setting - track related guarantee provided	007900
Eu.SCI-CC.PDI.1715	Req	0x02	activation sensors not activated by route setting - track related guarantee not provided	007900
Eu.SCI-CC.PDI.2419	Req	0xFF	Activation Sensors Activated not applicable	007000 007600 310900
Eu.SCI-CC.PDI.1717	Req	<b>Activation Sensors Deactivated</b> Byte 72 shall be set to one of the following values:  value            meaning -----    -----		007000 007600 007900 310900
Eu.SCI-CC.PDI.1719	Req	0x01	activation sensors deactivated (after route cancellation)	007900
Eu.SCI-CC.PDI.1718	Req	0x02	activation sensors not deactivated (after route cancellation)	007900
Eu.SCI-CC.PDI.2420	Req	0xFF	Activation Sensors Deactivated not applicable	007000 007600 310900
Eu.SCI-CC.PDI.1720	Req	<b>Deactivation Element Occupied</b> Byte 73 shall be set to one of the following values:  value            meaning -----    -----		007000 007600 007900 310900
Eu.SCI-CC.PDI.1721	Req	0x01	Deactivation Element occupied	007900
Eu.SCI-CC.PDI.1722	Req	0x02	Deactivation Element not occupied	007900
Eu.SCI-CC.PDI.2421	Req	0xFF	Deactivation Element Occupied not applicable	007000 007600 310900
Eu.SCI-CC.PDI.1723	Req	<b>Track Independent Bypassed</b> Byte 74 shall be set to one of the following values:  value            meaning -----    -----		007000 007600 007900 310900
Eu.SCI-CC.PDI.1725	Req	0x01	Track Independent bypassed	007900
Eu.SCI-CC.PDI.1724	Req	0x02	Track Independent not bypassed	007900

ID	Type	Requirement	Appl.
Eu.SCI-CC.PDI.2422	Req	0xFF            Track Independent Bypassed not applicable	007000 007600 310900
Eu.SCI-CC.PDI.1726	Req	<b>Track Dependent Bypassed</b> Byte 75 shall be set to one of the following values:  value            meaning -----        -----	007000 007600 007900 310900
Eu.SCI-CC.PDI.1728	Req	0x01            Track Dependant bypassed	007900
Eu.SCI-CC.PDI.1727	Req	0x02            Track Dependant not bypassed	007900
Eu.SCI-CC.PDI.2423	Req	0xFF            Track Dependent Bypassed not applicable	007000 007600 310900
Eu.SCI-CC.PDI.1729	Req	<b>Auto Raise</b> Byte 76 shall be set to one of the following values:  value            meaning -----        -----	007000 007600 007900 310900
Eu.SCI-CC.PDI.1731	Req	0x01            Auto Raise on	007000
Eu.SCI-CC.PDI.1730	Req	0x02            Auto Raise off	007000
Eu.SCI-CC.PDI.2424	Req	0xFF            Auto Raise not applicable	007600 007900 310900
Eu.SCI-CC.PDI.1732	Req	<b>Auto Lower</b> Byte 77 shall be set to one of the following values:  value            meaning -----        -----	007000 007600 007900 310900
Eu.SCI-CC.PDI.1734	Req	0x01            Auto Lower on	007000
Eu.SCI-CC.PDI.1733	Req	0x02            Auto Lower off	007000
Eu.SCI-CC.PDI.2425	Req	0xFF            Auto Lower not applicable	007600 007900 310900
Eu.SCI-CC.PDI.1735	Req	<b>Train Approaching</b> Byte 78 shall be set to one of the following values:  value            meaning -----        -----	007000 007600 007900 310900
Eu.SCI-CC.PDI.1737	Req	0x01            train approaching	007000
Eu.SCI-CC.PDI.1736	Req	0x02            train not approaching	007000
Eu.SCI-CC.PDI.2426	Req	0xFF            Train Approaching not applicable	007600 007900 310900
Eu.SCI-CC.PDI.1738	Req	<b>Obstruction</b> Byte 79 shall be set to one of the following values:  value            meaning -----        -----	007000 007600 007900 310900
Eu.SCI-CC.PDI.1740	Req	0x01            crossing area occupied	007000 007600 007900 310900
Eu.SCI-CC.PDI.1739	Req	0x02            obstruction not detected	007000

ID	Type	Requirement		Appl.
Eu.SCI-CC.PDI.4091	Req	0x03	detector indication inhibit	007000 007600 007900 310900
Eu.SCI-CC.PDI.4088	Req	0x04	barrier closure zone occupied	007000 007600 007900 310900
Eu.SCI-CC.PDI.4089	Req	0x05	barrier closure zone clear	007000 007600 007900 310900
Eu.SCI-CC.PDI.4090	Req	0x06	barrier closure zone turned off	007000 007600 007900 310900
Eu.SCI-CC.PDI.2427	Req	0xFF	Obstruction not applicable	007600 007900 310900
Eu.SCI-CC.PDI.1741	Req	<b>Road Lights</b> Byte 80 shall be set to one of the following values:  value            meaning -----        -----		007000 007600 007900 310900
Eu.SCI-CC.PDI.1743	Req	0x01	road lights on	007000 007900 310900
Eu.SCI-CC.PDI.1742	Req	0x02	road lights off	007000 007900 310900
Eu.SCI-CC.PDI.4085	Req	0x03	road lights on with non critical fault	007000 007600 007900 310900
Eu.SCI-CC.PDI.2428	Req	0xFF	Road Lights not applicable	007600
Eu.SCI-CC.PDI.1744	Req	<b>Pedestrian Lamp</b> Byte 81 shall be set to one of the following values:  value            meaning -----        -----		007000 007600 007900 310900
Eu.SCI-CC.PDI.1746	Req	0x01	pedestrian indication lamp proved	007000
Eu.SCI-CC.PDI.1745	Req	0x02	pedestrian indication not lamp proved	007000
Eu.SCI-CC.PDI.2429	Req	0xFF	Pedestrian Lamp not applicable	007600 007900 310900
Eu.SCI-CC.PDI.1747	Req	<b>Primary Power</b> Byte 82 shall be set to one of the following values:  value            meaning -----        -----		007000 007600 007900 310900
Eu.SCI-CC.PDI.1749	Req	0x01	primary power source available	007000 007900 310900
Eu.SCI-CC.PDI.1750	Req	0x02	primary power source in use	007000 007900 310900
Eu.SCI-CC.PDI.1748	Req	0x03	primary power source failed	007000 007900 310900

ID	Type	Requirement	Appl.
Eu.SCI-CC.PDI.2430	Req	0xFF          Primary Power not applicable	007600
Eu.SCI-CC.PDI.1751	Req	<b>Standby Power</b> Byte 83 shall be set to one of the following values:  value          meaning -----      -----	007000 007600 007900 310900
Eu.SCI-CC.PDI.1753	Req	0x01          standby power available	007000 007900 310900
Eu.SCI-CC.PDI.1754	Req	0x02          standby power in use	007000 007900 310900
Eu.SCI-CC.PDI.1752	Req	0x03          standby power failed	007000 007900 310900
Eu.SCI-CC.PDI.2431	Req	0xFF          Standby Power not applicable	007600
Eu.SCI-CC.PDI.1755	Req	<b>Blocked for Activation</b> Byte 84 shall be set to one of the following values:  value          meaning -----      -----	007000 007600 007900 310900
Eu.SCI-CC.PDI.1757	Req	0x01          blocked for activation	007600 007900 310900
Eu.SCI-CC.PDI.1756	Req	0x02          not blocked for activation	007600 007900 310900
Eu.SCI-CC.PDI.2432	Req	0xFF          Blocked for Activation not applicable	007000
Eu.SCI-CC.PDI.1758	Req	<b>Blocked for Deactivation</b> Byte 85 shall be set to one of the following values:  value          meaning -----      -----	007000 007600 007900 310900
Eu.SCI-CC.PDI.1760	Req	0x01          blocked for deactivation	007600 007900
Eu.SCI-CC.PDI.1759	Req	0x02          not blocked for deactivation	007600 007900
Eu.SCI-CC.PDI.2433	Req	0xFF          Blocked for Deactivation not applicable	007000 310900
Eu.SCI-CC.PDI.1761	Req	<b>Prolonging</b> Byte 86 shall be set to one of the following values:  value          meaning -----      -----	007000 007600 007900 310900
Eu.SCI-CC.PDI.1763	Req	0x01          prolonging the activation of a level crossing	007900
Eu.SCI-CC.PDI.1762	Req	0x02          not prolonging the activation of a level crossing	007900
Eu.SCI-CC.PDI.2434	Req	0xFF          Prolonging not applicable	007000 007600 310900
Eu.SCI-CC.PDI.1764	Req	<b>Unprotected Timer</b> Byte 87 shall be set to one of the following values:  value          meaning -----      -----	007000 007600 007900 310900
Eu.SCI-CC.PDI.1766	Req	0x01          timer not active for unprotected status	007600
Eu.SCI-CC.PDI.1765	Req	0x02          timer active for unprotected status	007600

ID	Type	Requirement		Appl.				
Eu.SCI-CC.PDI.2435	Req	0xFF	Unprotected Timer not applicable	007000 007900 310900				
Eu.SCI-CC.PDI.1767	Req	<b>Messages</b> Byte 88 shall be set to one of the following binary values: <table><tr><td>value</td><td>meaning</td></tr><tr><td>-----</td><td>-----</td></tr></table>		value	meaning	-----	-----	007000 007600 007900 310900
value	meaning							
-----	-----							
Eu.SCI-CC.PDI.1768	Req	0x01	request from road user for crossing to open	007000				
Eu.SCI-CC.PDI.1769	Req	0x02	consent given	007900				
Eu.SCI-CC.PDI.1770	Req	0x03	consent taken	007900				
Eu.SCI-CC.PDI.2655	Req	0x04	Local control requested	007900				
Eu.SCI-CC.PDI.2654	Req	0x05	Local control released	007900				
Eu.SCI-CC.PDI.2372	Req	0xFF	Messages not applicable	007600 310900				
Eu.SCI-CC.PDI.1771	Req	<b>Failure</b> Byte 89 shall be set to one of the following binary values: <table><tr><td>value</td><td>meaning</td></tr><tr><td>-----</td><td>-----</td></tr></table>		value	meaning	-----	-----	007000 007600 007900 310900
value	meaning							
-----	-----							
Eu.SCI-CC.PDI.1772	Req	0x01	no failure	007000 007600 007900 310900				
Eu.SCI-CC.PDI.1773	Req	0x02	non-critical failure	007000 007900 310900				
Eu.SCI-CC.PDI.1774	Req	0x03	critical failure	007000 007600 007900 310900				
Eu.SCI-CC.PDI.1775	Req	0x04	track related deactivation failure	999900				
Eu.SCI-CC.PDI.1776	Req	0x05	barrier boom broken/fractured	007000 007900 310900				
Eu.SCI-CC.PDI.1777	Req	0x06	activated too long (closure timer)	007000 007900 310900				
Eu.SCI-CC.PDI.2698	Req	0x07	track related deactivation - not failed	999900				
Eu.SCI-CC.PDI.3437	Req	<b>Obstacle Detection Mode</b> Byte 90 shall be set to one of the following binary values: <table><tr><td>value</td><td>meaning</td></tr><tr><td>-----</td><td>-----</td></tr></table>		value	meaning	-----	-----	007000 007600 007900 310900
value	meaning							
-----	-----							
Eu.SCI-CC.PDI.3438	Req	0x01	obstacle detection	007000				
Eu.SCI-CC.PDI.4097	Req	0x02	local crossing clear	007000 007600 007900 310900				
Eu.SCI-CC.PDI.4099	Req	0x03	all signals on operated	007000 007600 007900 310900				

ID	Type	Requirement		Appl.																																				
Eu.SCI-CC.PDI.3439	Req	0xFF	obstacle detection mode not applicable	007600 007900 310900																																				
Eu.SCI-CC.PDI.4082	Req	<b>Crossing clear status</b> Byte 91 shall be set to one of the following binary values:  value            meaning -----        -----		007000 007600 007900 310900																																				
Eu.SCI-CC.PDI.4083	Req	0x01	Crossing Clear Set	007000 007600 007900 310900																																				
Eu.SCI-CC.PDI.4084	Req	0x02	Crossing Clear Unset	007000 007600 007900 310900																																				
Eu.SCI-CC.PDI.4100	Req	<b>Crossing Opening Alarm</b> Byte 92 shall be set to one of the following binary values:  value            meaning -----        -----		007000 007600 007900 310900																																				
Eu.SCI-CC.PDI.4101	Req	0x01	crossing opening on	007000 007600 007900 310900																																				
Eu.SCI-CC.PDI.4102	Req	0x02	crossing opening off	007000 007600 007900 310900																																				
Eu.SCI-CC.PDI.1552	Head	<b>3.5.6.19 Message “Line Block Status”</b>		007000 007001 007600 007900 310900																																				
Eu.SCI-CC.PDI.2280	Info	This telegram refines the InformationFlow "Msg_Line_Block_Status" specified in the requirements specification (ID Eu.CC.2016).		007000 007001 007600 007900 310900																																				
Eu.SCI-CC.PDI.1553	Info	Telegram definition for status message “Line Block Status” <table><tr><th>Byte / Bit</th><th>Payload</th></tr><tr><td>00</td><td>Protocol Type: 0x70 (1 Byte binary)</td></tr><tr><td>01..02</td><td>Message Type: 0x0040 (2 Bytes binary)</td></tr><tr><td>03..22</td><td>Sender: ILS Identifier (20 Bytes text)</td></tr><tr><td>23..42</td><td>Receiver: TCS Identifier (20 Bytes text)</td></tr><tr><td>43</td><td>Information Type: 0x1F (1 Byte binary)</td></tr><tr><td>44..63</td><td>Line Block ID (20 Bytes text)</td></tr><tr><td>64</td><td>Active Control (1 Byte binary)</td></tr><tr><td>65</td><td>Line Block Failed (1 Byte binary)</td></tr><tr><td>66</td><td>Direction (1 Byte binary)</td></tr><tr><td>67</td><td>Locked (1 Byte binary)</td></tr><tr><td>68</td><td>Basic (1 Byte binary)</td></tr><tr><td>69</td><td>Change of Direction (1 Byte binary)</td></tr><tr><td>70</td><td>Bypass (1 Byte binary)</td></tr><tr><td>71</td><td>Blocked for Route setting (1 Byte binary)</td></tr><tr><td>72</td><td>Blocked for Changing Direction (1 Byte binary)</td></tr><tr><td>73</td><td>Repetition Blocked (1 Byte binary)</td></tr><tr><td>74</td><td>Stored (1 Byte binary)</td></tr></table>		Byte / Bit	Payload	00	Protocol Type: 0x70 (1 Byte binary)	01..02	Message Type: 0x0040 (2 Bytes binary)	03..22	Sender: ILS Identifier (20 Bytes text)	23..42	Receiver: TCS Identifier (20 Bytes text)	43	Information Type: 0x1F (1 Byte binary)	44..63	Line Block ID (20 Bytes text)	64	Active Control (1 Byte binary)	65	Line Block Failed (1 Byte binary)	66	Direction (1 Byte binary)	67	Locked (1 Byte binary)	68	Basic (1 Byte binary)	69	Change of Direction (1 Byte binary)	70	Bypass (1 Byte binary)	71	Blocked for Route setting (1 Byte binary)	72	Blocked for Changing Direction (1 Byte binary)	73	Repetition Blocked (1 Byte binary)	74	Stored (1 Byte binary)	007000 007001 007600 007900 310900
Byte / Bit	Payload																																							
00	Protocol Type: 0x70 (1 Byte binary)																																							
01..02	Message Type: 0x0040 (2 Bytes binary)																																							
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74	Stored (1 Byte binary)																																							
Eu.SCI-CC.PDI.1554	Req	<b>Message Type</b> Bytes 01 and 02 shall be set to 0x0040.		007000 007001 007600 007900 310900																																				

ID	Type	Requirement	Appl.
Eu.SCI-CC.PDI.1555	Req	<b>Sender Identifier</b> The message bytes 03..22 shall contain the technical identifier of the Subsystem - Electronic Interlocking according to section 3.2.	007000 007001 007600 007900 310900
Eu.SCI-CC.PDI.1556	Req	<b>Receiver Identifier</b> The message bytes 23..42 shall contain the technical identifier of the TCS according to section 3.2.	007000 007001 007600 007900 310900
Eu.SCI-CC.PDI.1557	Req	<b>Information Type</b> The message byte 43 shall be set to 0x1F.	007000 007001 007600 007900 310900
Eu.SCI-CC.PDI.1558	Req	<b>Line Block ID</b> Bytes 44 to 63 shall contain a unique Line Block identity according to section 3.3.	007000 007001 007600 007900 310900
Eu.SCI-CC.PDI.1562	Req	<b>Active Control</b> The message byte 64 shall be set to one of the following values:  value            meaning ----- 	007000 007001 007600 007900 310900
Eu.SCI-CC.PDI.1563	Req	0x01            not in active control	007000 007001 007600 007900 310900
Eu.SCI-CC.PDI.1564	Req	0x02            in active control	007000 007001 007600 007900 310900
Eu.SCI-CC.PDI.3391	Info	Note: When byte 64 is set to 0x01 then the information contained within this telegram should be considered as “last known”.	007000 007001 007600 007900 310900
Eu.SCI-CC.PDI.1559	Req	<b>Line Block Failed</b> The message byte 65 shall be set to one of the following values:  value            meaning ----- 	007000 007001 007600 007900 310900
Eu.SCI-CC.PDI.1560	Req	0x01            Line Block failed	007000 007001 007600 007900 310900
Eu.SCI-CC.PDI.1561	Req	0x02            Line Block not failed	007000 007001 007600 007900 310900
Eu.SCI-CC.PDI.1565	Req	<b>Direction</b> The message byte 66 shall be set to one of the following values:  value            meaning ----- 	007000 007001 007600 007900 310900
Eu.SCI-CC.PDI.1566	Req	0x01            exit direction	007000 007001 007600 007900 310900



ID	Type	Requirement		Appl.
Eu.SCI-CC.PDI.1567	Req	0x02	entry direction	007000 007001 007600 007900 310900
Eu.SCI-CC.PDI.3112	Req	0x03	no direction / neutral	007000 007001 007600 007900 310900
Eu.SCI-CC.PDI.4109	Req	0x04	unknown	007900 310900
Eu.SCI-CC.PDI.1783	Req	<b>Locked</b> The message byte 67 shall be set to one of the following values:  value            meaning -----      -----		007000 007001 007600 007900 310900
Eu.SCI-CC.PDI.1785	Req	0x01	not locked	007000 007001 007600 007900 310900
Eu.SCI-CC.PDI.1784	Req	0x02	locked	007000 007001 007600 007900 310900
Eu.SCI-CC.PDI.1576	Req	<b>Basic</b> The message byte 68 shall be set to one of the following values:  value            meaning -----      -----		007000 007001 007600 007900 310900
Eu.SCI-CC.PDI.1578	Req	0x01	Basic State active	007900
Eu.SCI-CC.PDI.1577	Req	0x02	Basic State inactive	007900
Eu.SCI-CC.PDI.2446	Req	0xFF	Basic not applicable	007000 007001 007600 310900
Eu.SCI-CC.PDI.1579	Req	<b>Change of Direction</b> The message byte 69 shall be set to one of the following values:  value            meaning -----      -----		007000 007001 007600 007900 310900
Eu.SCI-CC.PDI.1581	Req	0x01	change of block direction in progress	007900 310900
Eu.SCI-CC.PDI.1580	Req	0x02	change of block direction not in progress	007900 310900
Eu.SCI-CC.PDI.2447	Req	0xFF	Change of Direction not applicable	007000 007001 007600
Eu.SCI-CC.PDI.1582	Req	<b>Bypass</b> The message byte 70 shall be set to one of the following values:  value            meaning -----      -----		007000 007001 007600 007900 310900
Eu.SCI-CC.PDI.1584	Req	0x01	block bypassed	007900 310900

ID	Type	Requirement	Appl.
Eu.SCI-CC.PDI.1583	Req	0x02            block not bypassed	007900 310900
Eu.SCI-CC.PDI.2448	Req	0xFF            Bypass not applicable	007000 007001 007600
Eu.SCI-CC.PDI.1585	Req	<b>Blocked for Route setting</b> The message byte 71 shall be set to one of the following values:  value            meaning -----        -----	007000 007001 007600 007900 310900
Eu.SCI-CC.PDI.1587	Req	0x01            blocked for route setting	007000 007001 007600 007900 310900
Eu.SCI-CC.PDI.1586	Req	0x02            not blocked for route setting	007000 007001 007600 007900 310900
Eu.SCI-CC.PDI.1588	Req	<b>Blocked for Changing Direction</b> The message byte 72 shall be set to one of the following values:  value            meaning -----        -----	007000 007001 007600 007900 310900
Eu.SCI-CC.PDI.1590	Req	0x01            blocked for changing direction	310900
Eu.SCI-CC.PDI.1589	Req	0x02            not blocked for changing direction	310900
Eu.SCI-CC.PDI.2450	Req	0xFF            Blocked for Changing Direction not applicable	007000 007001 007600 007900
Eu.SCI-CC.PDI.1591	Req	<b>Repetition Blocking</b> The message byte 73 shall be set to one of the following values:  value            meaning -----        -----	007000 007001 007600 007900 310900
Eu.SCI-CC.PDI.1593	Req	0x01            Repetition Blocking activated	007900
Eu.SCI-CC.PDI.1592	Req	0x02            Repetition Blocking not activated	007900
Eu.SCI-CC.PDI.2451	Req	0xFF            Repetition Blocking not applicable	007000 007001 007600 310900
Eu.SCI-CC.PDI.1788	Req	<b>Stored</b> The message byte 74 shall be set to one of the following values:  value            meaning -----        -----	007000 007001 007600 007900 310900
Eu.SCI-CC.PDI.1568	Req	0x01            locked in exit direction, but a change into entry direction has been stored	007900 310900
Eu.SCI-CC.PDI.1789	Req	0x02            change into entry direction not stored	007900 310900
Eu.SCI-CC.PDI.2700	Req	0xFF            Stored not applicable	007000 007001 007600

ID	Type	Requirement		Appl.																																
Eu.SCI-CC.PDI.1276	Head	3.5.6.20 Message “Static Lockable Device Status”		007000 007001 007600 007900 310900																																
Eu.SCI-CC.PDI.2264	Info	This telegram refines the InformationFlow "Msg_Static_Lockable_Device_Status" specified in the requirements specification (ID Eu.CC.2021).		007000 007001 007600 007900 310900																																
Eu.SCI-CC.PDI.1277	Info	Telegram definition for status message “Static Lockable Device Status” <table><tr><th>Byte / Bit</th><th>Content</th></tr><tr><td>00</td><td>Protocol Type: 0x70 (1 Byte binary)</td></tr><tr><td>01..02</td><td>Message Type: 0x0040 (2 Bytes binary)</td></tr><tr><td>03..22</td><td>Sender: ILS Identifier (20 Bytes text)</td></tr><tr><td>23..42</td><td>Receiver: TCS Identifier (20 Bytes text)</td></tr><tr><td>43</td><td>Information Type: 0x0C (1 Byte binary)</td></tr><tr><td>44..63</td><td>Lockable Device ID (20 Bytes text)</td></tr><tr><td>64</td><td>Active Control (1 Byte binary)</td></tr><tr><td>65</td><td>Failed (1 Byte binary)</td></tr><tr><td>66</td><td>Position (1 Byte binary)</td></tr><tr><td>67</td><td>Flank protection (1 Byte binary)</td></tr><tr><td>68</td><td>Locked (1 Byte binary)</td></tr><tr><td>69</td><td>Released (1 Byte binary)</td></tr><tr><td>70</td><td>Used (1 Byte binary)</td></tr><tr><td>71</td><td>Blocked (1 Byte binary)</td></tr><tr><td>72</td><td>Request (1 Byte binary)</td></tr></table>		Byte / Bit	Content	00	Protocol Type: 0x70 (1 Byte binary)	01..02	Message Type: 0x0040 (2 Bytes binary)	03..22	Sender: ILS Identifier (20 Bytes text)	23..42	Receiver: TCS Identifier (20 Bytes text)	43	Information Type: 0x0C (1 Byte binary)	44..63	Lockable Device ID (20 Bytes text)	64	Active Control (1 Byte binary)	65	Failed (1 Byte binary)	66	Position (1 Byte binary)	67	Flank protection (1 Byte binary)	68	Locked (1 Byte binary)	69	Released (1 Byte binary)	70	Used (1 Byte binary)	71	Blocked (1 Byte binary)	72	Request (1 Byte binary)	007000 007001 007600 007900 310900
Byte / Bit	Content																																			
00	Protocol Type: 0x70 (1 Byte binary)																																			
01..02	Message Type: 0x0040 (2 Bytes binary)																																			
03..22	Sender: ILS Identifier (20 Bytes text)																																			
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64	Active Control (1 Byte binary)																																			
65	Failed (1 Byte binary)																																			
66	Position (1 Byte binary)																																			
67	Flank protection (1 Byte binary)																																			
68	Locked (1 Byte binary)																																			
69	Released (1 Byte binary)																																			
70	Used (1 Byte binary)																																			
71	Blocked (1 Byte binary)																																			
72	Request (1 Byte binary)																																			
Eu.SCI-CC.PDI.1278	Req	Message Type Bytes 01 and 02 shall be set to 0x0040.		007000 007001 007600 007900 310900																																
Eu.SCI-CC.PDI.1279	Req	SenderIdentifier The message bytes 03..22 shall contain the technical identifier of the Subsystem - Electronic Interlocking according to section 3.2.		007000 007001 007600 007900 310900																																
Eu.SCI-CC.PDI.1280	Req	Receiver Identifier The message bytes 23..42 shall contain the technical identifier of the TCS according to section 3.2.		007000 007001 007600 007900 310900																																
Eu.SCI-CC.PDI.1281	Req	Information Type The message byte 43 shall be set to 0x0C.		007000 007001 007600 007900 310900																																
Eu.SCI-CC.PDI.1282	Req	Lockable Device ID Bytes 44 to 63 shall contain a unique Lockable Device identity according to section 3.3.		007000 007001 007600 007900 310900																																
Eu.SCI-CC.PDI.2798	Req	Active Control Byte 64 shall be set to one of the following values: <table><tr><td>value</td><td>meaning</td></tr><tr><td>-----</td><td>-----</td></tr></table>		value	meaning	-----	-----	007000 007001 007600 007900 310900																												
value	meaning																																			
-----	-----																																			
Eu.SCI-CC.PDI.2799	Req	0x01            not in active control		007000 007001 007600 007900 310900																																

ID	Type	Requirement	Appl.
Eu.SCI-CC.PDI.2800	Req	0x02            in active control	007000 007001 007600 007900 310900
Eu.SCI-CC.PDI.3392	Info	Note: When byte 64 is set to 0x01 then the information contained within this telegram should be considered as “last known”.	007000 007001 007600 007900 310900
Eu.SCI-CC.PDI.1283	Req	<b>Failed</b> The message byte 65 shall be set to one of the following values:  value            meaning -----    -----	007000 007001 007600 007900 310900
Eu.SCI-CC.PDI.1285	Req	0x01            not failed	007000 007001 007600 007900 310900
Eu.SCI-CC.PDI.1284	Req	0x02            failed	007000 007001 007600 007900 310900
Eu.SCI-CC.PDI.2816	Req	0xFF            failed not applicable	007000 007001 007600 007900 310900
Eu.SCI-CC.PDI.1286	Req	<b>Position</b> The message byte 66 shall be set to one of the following values:  value            meaning -----    -----	007000 007001 007600 007900 310900
Eu.SCI-CC.PDI.1288	Req	0x01            not detected in position	007000 007001 007600 007900 310900
Eu.SCI-CC.PDI.1287	Req	0x02            detected in position	007000 007001 007600 007900 310900
Eu.SCI-CC.PDI.1289	Req	<b>Flank Protection</b> The message byte 67 shall be set to one of the following values:  value            meaning -----    -----	007000 007001 007600 007900 310900
Eu.SCI-CC.PDI.1291	Req	0x01            does not provide flank protection	007001 007600 007900 310900
Eu.SCI-CC.PDI.1290	Req	0x02            does provide flank protection	007001 007600 007900 310900
Eu.SCI-CC.PDI.2437	Req	0xFF            Flank Protection not applicable	007000 007001

ID	Type	Requirement	Appl.
Eu.SCI-CC.PDI.1292	Req	<b>Locked</b> The message byte 68 shall be set to one of the following values:  value            meaning -----    -----	007000 007001 007600 007900 310900
Eu.SCI-CC.PDI.1294	Req	0x01            locked in a route	007001 007900 310900
Eu.SCI-CC.PDI.1293	Req	0x02            not locked in a route	007001 007900 310900
Eu.SCI-CC.PDI.2438	Req	0xFF            Locked not applicable	007000 007001 007600
Eu.SCI-CC.PDI.1295	Req	<b>Released</b> The message byte 69 shall be set to one of the following values:  value            meaning -----    -----	007000 007001 007600 007900 310900
Eu.SCI-CC.PDI.1297	Req	0x01            not released	007000 007001 007600 007900 310900
Eu.SCI-CC.PDI.1296	Req	0x02            released	007000 007001 007600 007900 310900
Eu.SCI-CC.PDI.1298	Req	<b>Used</b> The message byte 70 shall be set to one of the following values:  value            meaning -----    -----	007000 007001 007600 007900 310900
Eu.SCI-CC.PDI.1300	Req	0x01            key used	007001 007900 310900
Eu.SCI-CC.PDI.1299	Req	0x02            key not used	007001 007900 310900
Eu.SCI-CC.PDI.2439	Req	0xFF            Used not applicable	007000 007001 007600
Eu.SCI-CC.PDI.1304	Req	<b>Blocked</b> The message byte 71 shall be set to one of the following values:  value            meaning -----    -----	007000 007001 007600 007900 310900
Eu.SCI-CC.PDI.1306	Req	0x01            blocked against releasing	007000 007001 007900
Eu.SCI-CC.PDI.1305	Req	0x02            not blocked against releasing	007000 007001 007900
Eu.SCI-CC.PDI.2441	Req	0xFF            Blocked not applicable	007001 007600 310900

ID	Type	Requirement		Appl.																								
Eu.SCI-CC.PDI.1307	Req	<b>Request</b> The message byte 72 shall be set to one of the following values:  value                    meaning -----                -----		007000 007001 007600 007900 310900																								
Eu.SCI-CC.PDI.1309	Req	0x01	request to lock the key in lockable device	007001 007900 310900																								
Eu.SCI-CC.PDI.1310	Req	0x02	request to release the key from lockable device	007001 007900 310900																								
Eu.SCI-CC.PDI.1308	Req	0x03	no request	007001 007900																								
Eu.SCI-CC.PDI.2442	Req	0xFF	Request not applicable	007000 007001 007600																								
Eu.SCI-CC.PDI.2832	Head	<b>3.5.6.21 Message “Moveable Lockable Device Status”</b>		007600 310900																								
Eu.SCI-CC.PDI.2833	Info	This telegram refines the InformationFlow "Msg_Moveable_Lockable_Device_Status" specified in the requirements specification (ID Eu.CC.2017).		007600 310900																								
Eu.SCI-CC.PDI.2834	Info	Telegram definition for status message “Moveable Lockable Device Status” <table><tr><th>Byte / Bit</th><th>Content</th></tr><tr><td>00</td><td>Protocol Type: 0x70 (1 Byte binary)</td></tr><tr><td>01..02</td><td>Message Type: 0x0040 (2 Bytes binary)</td></tr><tr><td>03..22</td><td>Sender: ILS Identifier (20 Bytes text)</td></tr><tr><td>23..42</td><td>Receiver: TCS Identifier (20 Bytes text)</td></tr><tr><td>43</td><td>Information Type: 0x22 (1 Byte binary)</td></tr><tr><td>44..63</td><td>Lockable Device ID (20 Bytes text)</td></tr><tr><td>64</td><td>Active Control (1 Byte binary)</td></tr><tr><td>65</td><td>Failed (1 Byte binary)</td></tr><tr><td>66</td><td>Position (1 Byte binary)</td></tr><tr><td>67</td><td>Operation (1 Byte binary)</td></tr><tr><td>68</td><td>Blocked for switching (1 Byte binary)</td></tr></table>		Byte / Bit	Content	00	Protocol Type: 0x70 (1 Byte binary)	01..02	Message Type: 0x0040 (2 Bytes binary)	03..22	Sender: ILS Identifier (20 Bytes text)	23..42	Receiver: TCS Identifier (20 Bytes text)	43	Information Type: 0x22 (1 Byte binary)	44..63	Lockable Device ID (20 Bytes text)	64	Active Control (1 Byte binary)	65	Failed (1 Byte binary)	66	Position (1 Byte binary)	67	Operation (1 Byte binary)	68	Blocked for switching (1 Byte binary)	007600 310900
Byte / Bit	Content																											
00	Protocol Type: 0x70 (1 Byte binary)																											
01..02	Message Type: 0x0040 (2 Bytes binary)																											
03..22	Sender: ILS Identifier (20 Bytes text)																											
23..42	Receiver: TCS Identifier (20 Bytes text)																											
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65	Failed (1 Byte binary)																											
66	Position (1 Byte binary)																											
67	Operation (1 Byte binary)																											
68	Blocked for switching (1 Byte binary)																											
Eu.SCI-CC.PDI.2835	Req	<b>Message Type</b> Bytes 01 and 02 shall be set to 0x0040.		007600 310900																								
Eu.SCI-CC.PDI.2836	Req	<b>SenderIdentifier</b> The message bytes 03..22 shall contain the technical identifier of the Subsystem - Electronic Interlocking according to section 3.2.		007600 310900																								
Eu.SCI-CC.PDI.2837	Req	<b>Receiver Identifier</b> The message bytes 23..42 shall contain the technical identifier of the TCS according to section 3.2.		007600 310900																								
Eu.SCI-CC.PDI.2838	Req	<b>Information Type</b> The message byte 43 shall be set to 0x22.		007600 310900																								
Eu.SCI-CC.PDI.2839	Req	<b>Lockable Device ID</b> Bytes 44 to 63 shall contain a unique Lockable Device identity according to section 3.3.		007600 310900																								
Eu.SCI-CC.PDI.2840	Req	<b>Active Control</b> Byte 64 shall be set to one of the following values:  value                    meaning -----                -----		007600 310900																								
Eu.SCI-CC.PDI.2841	Req	0x01	not in active control	007600 310900																								
Eu.SCI-CC.PDI.2842	Req	0x02	in active control	007600 310900																								
Eu.SCI-CC.PDI.3393	Info	Note: When byte 64 is set to 0x01 then the information contained within this telegram should be considered as “last known”.		007600 310900																								

ID	Type	Requirement	Appl.																										
Eu.SCI-CC.PDI.2843	Req	<b>Failed</b> The message byte 65 shall be set to one of the following values: <table><tr><td>value</td><td>meaning</td></tr><tr><td>-----</td><td>-----</td></tr></table>	value	meaning	-----	-----	007600 310900																						
value	meaning																												
-----	-----																												
Eu.SCI-CC.PDI.2844	Req	0x01not failed	007600 310900																										
Eu.SCI-CC.PDI.2845	Req	0x02failed	007600 310900																										
Eu.SCI-CC.PDI.2846	Req	<b>Position</b> The message byte 66 shall be set to one of the following values: <table><tr><td>value</td><td>meaning</td></tr><tr><td>-----</td><td>-----</td></tr></table>	value	meaning	-----	-----	007600 310900																						
value	meaning																												
-----	-----																												
Eu.SCI-CC.PDI.2847	Req	0x01not in passable position	007600 310900																										
Eu.SCI-CC.PDI.2848	Req	0x02in passable position	007600 310900																										
Eu.SCI-CC.PDI.2849	Req	<b>Operation</b> The message byte 67 shall be set to one of the following values: <table><tr><td>value</td><td>meaning</td></tr><tr><td>-----</td><td>-----</td></tr></table>	value	meaning	-----	-----	007600 310900																						
value	meaning																												
-----	-----																												
Eu.SCI-CC.PDI.2850	Req	0x01not under operation	007600 310900																										
Eu.SCI-CC.PDI.2851	Req	0x02under operation	007600 310900																										
Eu.SCI-CC.PDI.4048	Req	<b>Blocked for switching</b> The message byte 68 shall be set to one of the following values: <table><tr><td>value</td><td>meaning</td></tr><tr><td>-----</td><td>-----</td></tr></table>	value	meaning	-----	-----	007600 310900																						
value	meaning																												
-----	-----																												
Eu.SCI-CC.PDI.4049	Req	0x01not blocked for switching	007600 310900																										
Eu.SCI-CC.PDI.4050	Req	0x02blocked for switching	007600 310900																										
Eu.SCI-CC.PDI.1311	Head	<b>3.5.6.22 Message “Auxiliary Object Status”</b>	007600																										
Eu.SCI-CC.PDI.2265	Info	This telegram refines the InformationFlow "Msg_Auxiliary_Object_Status" specified in the requirements specification (ID Eu.CC.2011).	007600																										
Eu.SCI-CC.PDI.1312	Info	Telegram definition for status message “Auxiliary Object Status” <table><tr><th>Byte / Bit</th><th>Content</th></tr><tr><td>00</td><td>Protocol Type: 0x70 (1 Byte binary)</td></tr><tr><td>01..02</td><td>Message Type: 0x0040 (2 Bytes binary)</td></tr><tr><td>03..22</td><td>Sender: ILS Identifier (20 Bytes text)</td></tr><tr><td>23..42</td><td>Receiver: TCS Identifier (20 Bytes text)</td></tr><tr><td>43</td><td>Information Type: 0x0D (1 Byte binary)</td></tr><tr><td>44..63</td><td>Auxiliary Object ID (20 Bytes text)</td></tr><tr><td>64</td><td>Active Control (1 Byte binary)</td></tr><tr><td>65</td><td>Failed (1 Byte binary)</td></tr><tr><td>66</td><td>Activation (1 Byte binary)</td></tr><tr><td>67</td><td>Bypass (1 Byte binary)</td></tr><tr><td>68</td><td>Intentionally deleted (1 Byte binary)</td></tr><tr><td>69</td><td>Triggered (1 Byte binary)</td></tr></table>	Byte / Bit	Content	00	Protocol Type: 0x70 (1 Byte binary)	01..02	Message Type: 0x0040 (2 Bytes binary)	03..22	Sender: ILS Identifier (20 Bytes text)	23..42	Receiver: TCS Identifier (20 Bytes text)	43	Information Type: 0x0D (1 Byte binary)	44..63	Auxiliary Object ID (20 Bytes text)	64	Active Control (1 Byte binary)	65	Failed (1 Byte binary)	66	Activation (1 Byte binary)	67	Bypass (1 Byte binary)	68	Intentionally deleted (1 Byte binary)	69	Triggered (1 Byte binary)	007600
Byte / Bit	Content																												
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67	Bypass (1 Byte binary)																												
68	Intentionally deleted (1 Byte binary)																												
69	Triggered (1 Byte binary)																												
Eu.SCI-CC.PDI.1313	Req	<b>Message Type</b> Bytes 01 and 02 shall be set to 0x0040.	007600																										
Eu.SCI-CC.PDI.1314	Req	<b>Sender Identifier</b> The message bytes 03..22 shall contain the technical identifier of the Subsystem - Electronic Interlocking according to section 3.2.	007600																										
Eu.SCI-CC.PDI.1315	Req	<b>Receiver Identifier</b> The message bytes 23..42 shall contain the technical identifier of the TCS according to section 3.2.	007600																										

ID	Type	Requirement	Appl.
Eu.SCI-CC.PDI.1316	Req	<b>Information Type</b> The message byte 43 shall be set to 0x0D.	007600
Eu.SCI-CC.PDI.1317	Req	<b>Auxiliary Object ID</b> Bytes 44 to 63 shall contain a unique Auxiliary Object identity according to section 3.3.	007600
Eu.SCI-CC.PDI.2801	Req	<b>Active Control</b> Byte 64 shall be set to one of the following values:  value            meaning -----      -----	007600
Eu.SCI-CC.PDI.2802	Req	0x01            not in active control	007600
Eu.SCI-CC.PDI.2803	Req	0x02            in active control	007600
Eu.SCI-CC.PDI.3394	Info	Note: When byte 64 is set to 0x01 then the information contained within this telegram should be considered as “last known”.	007600
Eu.SCI-CC.PDI.1318	Req	<b>Failed</b> The message byte 65 shall be set to one of the following values:  value            meaning -----      -----	007600
Eu.SCI-CC.PDI.1320	Req	0x01            not failed	007600
Eu.SCI-CC.PDI.1319	Req	0x02            failed	007600
Eu.SCI-CC.PDI.1321	Req	<b>Activation</b> The message byte 66 shall be set to one of the following values:  value            meaning -----      -----	007600
Eu.SCI-CC.PDI.1323	Req	0x01            deactivated	007600
Eu.SCI-CC.PDI.1322	Req	0x02            activated	007600
Eu.SCI-CC.PDI.2705	Req	0xFF            Activation not applicable	007600
Eu.SCI-CC.PDI.1324	Req	<b>Bypass</b> The message byte 67 shall be set to one of the following values:  value            meaning -----      -----	007600
Eu.SCI-CC.PDI.1325	Req	0x01            not bypassed	007600
Eu.SCI-CC.PDI.1326	Req	0x02            bypassed	007600
Eu.SCI-CC.PDI.2817	Req	0xFF            Bypass not applicable	007600
Eu.SCI-CC.PDI.1327	Req	<b>Intentionally deleted</b> The message byte 68 shall be set to the value 0xFF.	007600
Eu.SCI-CC.PDI.1330	Req	<b>Triggered</b> The message byte 69 shall be set to one of the following values:  value            meaning -----      -----	007600
Eu.SCI-CC.PDI.1332	Req	0x01            not triggered	007600
Eu.SCI-CC.PDI.1331	Req	0x02            triggered	007600
Eu.SCI-CC.PDI.2819	Req	0xFF            triggered not applicable	007600
Eu.SCI-CC.PDI.1333	Head	<b>3.5.6.23 Message “Point Heater Status”</b>	007000 310900
Eu.SCI-CC.PDI.2266	Info	This telegram refines the InformationFlow "Msg_Point_Heater_Status" specified in the requirements specification (ID Eu.CC.2018).	007000 310900
Eu.SCI-CC.PDI.1334	Info	Telegram definition for status message “Point Heater Status”	007000 310900



ID	Type	Requirement		Appl.																
		<table><tr><th>Byte / Bit</th><th>Content</th></tr><tr><td>00</td><td>Protocol Type: 0x70 (1 Byte binary)</td></tr><tr><td>01..02</td><td>Message Type: 0x0040 (2 Bytes binary)</td></tr><tr><td>03..22</td><td>Sender: ILS Identifier (20 Bytes text)</td></tr><tr><td>23..42</td><td>Receiver: TCS Identifier (20 Bytes text)</td></tr><tr><td>43</td><td>Information Type: 0x0E (1 Byte binary)</td></tr><tr><td>44..63</td><td>Point Heater ID (20 Bytes text)</td></tr><tr><td>64</td><td>Status (1 Byte binary)</td></tr></table>		Byte / Bit	Content	00	Protocol Type: 0x70 (1 Byte binary)	01..02	Message Type: 0x0040 (2 Bytes binary)	03..22	Sender: ILS Identifier (20 Bytes text)	23..42	Receiver: TCS Identifier (20 Bytes text)	43	Information Type: 0x0E (1 Byte binary)	44..63	Point Heater ID (20 Bytes text)	64	Status (1 Byte binary)	
Byte / Bit	Content																			
00	Protocol Type: 0x70 (1 Byte binary)																			
01..02	Message Type: 0x0040 (2 Bytes binary)																			
03..22	Sender: ILS Identifier (20 Bytes text)																			
23..42	Receiver: TCS Identifier (20 Bytes text)																			
43	Information Type: 0x0E (1 Byte binary)																			
44..63	Point Heater ID (20 Bytes text)																			
64	Status (1 Byte binary)																			
Eu.SCI-CC.PDI.1335	Req	<b>Message Type</b> Bytes 01 and 02 shall be set to 0x0040.		007000 310900																
Eu.SCI-CC.PDI.1336	Req	<b>Sender Identifier</b> The message bytes 03..22 shall contain the technical identifier of the Subsystem - Electronic Interlocking according to section 3.2.		007000 310900																
Eu.SCI-CC.PDI.1337	Req	<b>Receiver Identifier</b> The message bytes 23..42 shall contain the technical identifier of the TCS according to section 3.2.		007000 310900																
Eu.SCI-CC.PDI.1338	Req	<b>Information Type</b> The message byte 43 shall be set to 0x0E.		007000 310900																
Eu.SCI-CC.PDI.1339	Req	<b>Point Heater ID</b> Bytes 44 to 63 shall contain a unique Point Heater identity according to section 3.3.		007000 310900																
Eu.SCI-CC.PDI.1340	Req	<b>Status</b> The message byte 64 shall be set to one of the following values:  value            meaning -----        -----		007000 310900																
Eu.SCI-CC.PDI.1341	Req	0x01	failed	007000 310900																
Eu.SCI-CC.PDI.1342	Req	0x02	power level 0 (heater off)	007000 310900																
Eu.SCI-CC.PDI.1343	Req	0x03	power level 1	007000 310900																
Eu.SCI-CC.PDI.1344	Req	0x04	power level 2	007000 310900																
Eu.SCI-CC.PDI.1345	Req	0x05	power level 3 (full power)	007000 310900																
Eu.SCI-CC.PDI.4053	Req	0x06	full power, local thermostat is overridden	007000 310900																
Eu.SCI-CC.PDI.4054	Req	0x07	local thermostat in use, outside temperature is less than the set threshold	007000 310900																
Eu.SCI-CC.PDI.4055	Req	0x08	local thermostat in use, outside temperature is higher than the set threshold	007000 310900																
Eu.SCI-CC.PDI.4056	Req	0x09	heating is disturbed, non-critical failure	007000 310900																
Eu.SCI-CC.PDI.2618	Head	<b>3.5.6.24 Message "Predefined Obstruction Status"</b>		007000																
Eu.SCI-CC.PDI.2619	Info	This telegram refines the InformationFlow "Msg_Predefined_Obstruction_Status" specified in the requirements specification (ID Eu.CC.2020).		007000																
Eu.SCI-CC.PDI.2620	Info	Telegram definition for status message "Predefined Obstruction Status"		007000																

ID	Type	Requirement		Appl.																
		<table><tr><th>Byte / Bit</th><th>Content</th></tr><tr><td>00</td><td>Protocol Type: 0x70 (1 Byte binary)</td></tr><tr><td>01..02</td><td>Message Type: 0x0040 (2 Bytes binary)</td></tr><tr><td>03..22</td><td>Sender: ILS Identifier (20 Bytes text)</td></tr><tr><td>23..42</td><td>Receiver: TCS Identifier (20 Bytes text)</td></tr><tr><td>43</td><td>Information Type: 0x27 (1 Byte binary)</td></tr><tr><td>44..63</td><td>Obstruction ID (20 Bytes text)</td></tr><tr><td>64</td><td>Status (1 Byte binary)</td></tr></table>	Byte / Bit	Content	00	Protocol Type: 0x70 (1 Byte binary)	01..02	Message Type: 0x0040 (2 Bytes binary)	03..22	Sender: ILS Identifier (20 Bytes text)	23..42	Receiver: TCS Identifier (20 Bytes text)	43	Information Type: 0x27 (1 Byte binary)	44..63	Obstruction ID (20 Bytes text)	64	Status (1 Byte binary)		
Byte / Bit	Content																			
00	Protocol Type: 0x70 (1 Byte binary)																			
01..02	Message Type: 0x0040 (2 Bytes binary)																			
03..22	Sender: ILS Identifier (20 Bytes text)																			
23..42	Receiver: TCS Identifier (20 Bytes text)																			
43	Information Type: 0x27 (1 Byte binary)																			
44..63	Obstruction ID (20 Bytes text)																			
64	Status (1 Byte binary)																			
Eu.SCI-CC.PDI.2621	Req	<b>Message Type</b> Bytes 01 and 02 shall be set to 0x0040.		007000																
Eu.SCI-CC.PDI.2622	Req	<b>Sender Identifier</b> The message bytes 03..22 shall contain the technical identifier of the Subsystem - Electronic Interlocking according to section 3.2.		007000																
Eu.SCI-CC.PDI.2623	Req	<b>Receiver Identifier</b> The message bytes 23..42 shall contain the technical identifier of the TCS according to section 3.2.		007000																
Eu.SCI-CC.PDI.2624	Req	<b>Information Type</b> The message byte 43 shall be set to 0x27.		007000																
Eu.SCI-CC.PDI.2625	Req	<b>Obstruction ID</b> Bytes 44..63 shall contain the Obstruction identity related to the movement authority, according to section 3.3.		007000																
Eu.SCI-CC.PDI.2626	Req	<b>Status</b> The message byte 64 shall be set to one of the following values:  <table><tr><td>value</td><td>meaning</td></tr><tr><td>-----</td><td>-----</td></tr></table>		value	meaning	-----	-----	007000												
value	meaning																			
-----	-----																			
Eu.SCI-CC.PDI.2627	Req	0x01	Clear	007000																
Eu.SCI-CC.PDI.2628	Req	0x02	Obstruction set - Movement Authority associated with degraded class route allowed	007000																
Eu.SCI-CC.PDI.2629	Req	0x03	Obstruction set - No Movement Authority allowed	007000																
Eu.SCI-CC.PDI.1154	Head	<b>3.5.6.25 Message “Indicator Status”</b>		007000 007900																
Eu.SCI-CC.PDI.2260	Info	This telegram refines the InformationFlow "Msg_Indicator_Status" specified in the requirements specification (ID Eu.CC.2014).		007000 007900																
Eu.SCI-CC.PDI.1155	Info	Telegram definition for status message “Indicator Status”  <table><tr><th>Byte / Bit</th><th>Content</th></tr><tr><td>00</td><td>Protocol Type: 0x70 (1 Byte binary)</td></tr><tr><td>01..02</td><td>Message Type: 0x0040 (2 Bytes binary)</td></tr><tr><td>03..22</td><td>Sender: ILS Identifier (20 Bytes text)</td></tr><tr><td>23..42</td><td>Receiver: TCS Identifier (20 Bytes text)</td></tr><tr><td>43</td><td>Information Type: 0x06 (1 Byte binary)</td></tr><tr><td>44..63</td><td>Indicator ID (20 Bytes text)</td></tr><tr><td>64</td><td>State (1 Byte Binary)</td></tr></table>		Byte / Bit	Content	00	Protocol Type: 0x70 (1 Byte binary)	01..02	Message Type: 0x0040 (2 Bytes binary)	03..22	Sender: ILS Identifier (20 Bytes text)	23..42	Receiver: TCS Identifier (20 Bytes text)	43	Information Type: 0x06 (1 Byte binary)	44..63	Indicator ID (20 Bytes text)	64	State (1 Byte Binary)	007000 007900
Byte / Bit	Content																			
00	Protocol Type: 0x70 (1 Byte binary)																			
01..02	Message Type: 0x0040 (2 Bytes binary)																			
03..22	Sender: ILS Identifier (20 Bytes text)																			
23..42	Receiver: TCS Identifier (20 Bytes text)																			
43	Information Type: 0x06 (1 Byte binary)																			
44..63	Indicator ID (20 Bytes text)																			
64	State (1 Byte Binary)																			
Eu.SCI-CC.PDI.1156	Req	<b>Message Type</b> Bytes 01 and 02 shall be set to 0x0040.		007000 007900																
Eu.SCI-CC.PDI.1157	Req	<b>SenderIdentifier</b> The message bytes 03..22 shall contain the technical identifier of the Subsystem - Electronic Interlocking according to section 3.2.		007000 007900																
Eu.SCI-CC.PDI.1158	Req	<b>Receiver Identifier</b> The message bytes 23..42 shall contain the technical identifier of the TCS according to section 3.2.		007000 007900																
Eu.SCI-CC.PDI.1159	Req	<b>Information Type</b> The message byte 43 shall be set to 0x06.		007000 007900																
Eu.SCI-CC.PDI.1160	Req	<b>Indicator ID</b> Bytes 44 to 63 shall contain a unique Indicator identity according to section 3.3.		007000 007900																

ID	Type	Requirement		Appl.																
Eu.SCI-CC.PDI.1161	Req	<b>State</b> The message byte 64 shall be set to one of the following values: <table><tr><td>value</td><td>meaning</td></tr><tr><td>-----</td><td>-----</td></tr></table>		value	meaning	-----	-----	007000 007900												
value	meaning																			
-----	-----																			
Eu.SCI-CC.PDI.1162	Req	0x01	indicator off	007000 007900																
Eu.SCI-CC.PDI.1163	Req	0x02	indicator on	007000 007900																
Eu.SCI-CC.PDI.1164	Req	0x03	indicator for driving to the limit track signal which is on braking distance	007900																
Eu.SCI-CC.PDI.1165	Req	0x04	indicator for driving to the limit track signal which is not on braking distance	007900																
Eu.SCI-CC.PDI.1166	Req	0x05	preindication of the indicator for driving to the limit track signal	007900																
Eu.SCI-CC.PDI.1167	Req	0x06	no overlap indicator	007900																
Eu.SCI-CC.PDI.1594	Head	<b>3.5.6.26 Message “Generic Latches / Bit States”</b>		007000 310900																
Eu.SCI-CC.PDI.2281	Info	This telegram refines the InformationFlow "Msg_Generic_Latches / _Bit_States" specified in the requirements specification (ID Eu.CC.2013).		007000 310900																
Eu.SCI-CC.PDI.1595	Info	Telegram definition for status message “Generic Latches / Bit States” <table><tr><th>Byte / Bit</th><th>Content</th></tr><tr><td>00</td><td>Protocol Type: 0x70 (1 Byte binary)</td></tr><tr><td>01..02</td><td>Message Type: 0x0040 (2 Bytes binary)</td></tr><tr><td>03..22</td><td>Sender: ILS Identifier (20 Bytes text)</td></tr><tr><td>23..42</td><td>Receiver: TCS Identifier (20 Bytes text)</td></tr><tr><td>43</td><td>Information Type: 0x20 (1 Byte binary)</td></tr><tr><td>44..63</td><td>Latch ID (20 Bytes text)</td></tr><tr><td>64</td><td>State (1 Bytes binary)</td></tr></table>		Byte / Bit	Content	00	Protocol Type: 0x70 (1 Byte binary)	01..02	Message Type: 0x0040 (2 Bytes binary)	03..22	Sender: ILS Identifier (20 Bytes text)	23..42	Receiver: TCS Identifier (20 Bytes text)	43	Information Type: 0x20 (1 Byte binary)	44..63	Latch ID (20 Bytes text)	64	State (1 Bytes binary)	007000 310900
Byte / Bit	Content																			
00	Protocol Type: 0x70 (1 Byte binary)																			
01..02	Message Type: 0x0040 (2 Bytes binary)																			
03..22	Sender: ILS Identifier (20 Bytes text)																			
23..42	Receiver: TCS Identifier (20 Bytes text)																			
43	Information Type: 0x20 (1 Byte binary)																			
44..63	Latch ID (20 Bytes text)																			
64	State (1 Bytes binary)																			
Eu.SCI-CC.PDI.1596	Req	<b>Message Type</b> Bytes 01 and 02 shall be set to 0x0040.		007000 310900																
Eu.SCI-CC.PDI.1597	Req	<b>SenderIdentifier</b> The message bytes 03..22 shall contain the technical identifier of the Subsystem - Electronic Interlocking according to section 3.2.		007000 310900																
Eu.SCI-CC.PDI.1598	Req	<b>Receiver Identifier</b> The message bytes 23..42 shall contain the technical identifier of the TCS according to section 3.2.		007000 310900																
Eu.SCI-CC.PDI.1599	Req	<b>Information Type</b> The message byte 43 shall be set to 0x20.		007000 310900																
Eu.SCI-CC.PDI.1600	Req	<b>Latch ID</b> Bytes 44..63 shall contain the generic latch identity according to section 3.3.		007000 310900																
Eu.SCI-CC.PDI.1601	Req	<b>State</b> Byte 64 shall be set to one of the following values: <table><tr><td>value</td><td>meaning</td></tr><tr><td>-----</td><td>-----</td></tr></table>		value	meaning	-----	-----	007000 310900												
value	meaning																			
-----	-----																			
Eu.SCI-CC.PDI.1602	Req	0x01	unset	007000 310900																
Eu.SCI-CC.PDI.1603	Req	0x02	set	007000 310900																
Eu.SCI-CC.PDI.3149	Head	<b>3.5.7 Area functions</b>		Default																
Eu.SCI-CC.PDI.605	Head	<b>3.5.7.1 Command “Manage An Overhead Line (OHL) Groupset”</b>		999900																
Eu.SCI-CC.PDI.2234	Info	This telegram refines the InformationFlow "Cd_Manage_An_Overhead_Line_(OHL)_Groupset" specified in the requirements specification (ID Eu.CC.1949).		999900																

ID	Type	Requirement	Appl.																		
Eu.SCI-CC.PDI.606	Info	<div>Telegram definition for command “Manage An Overhead Line (OHL) Groupset”</div> <table><tr><th>Byte / Bit</th><th>Content</th></tr><tr><td>00</td><td>Protocol Type: 0x70 (1 Byte binary)</td></tr><tr><td>01..02</td><td>Message Type: 0x0050 or 0X0055 (2 Bytes binary)</td></tr><tr><td>03..22</td><td>Sender: TCS Identifier (20 Bytes text)</td></tr><tr><td>23..42</td><td>Receiver: ILS Identifier (20 Bytes text)</td></tr><tr><td>43..44</td><td>TAN (2 Bytes binary)</td></tr><tr><td>45</td><td>Information Type: 0x76 (1 Byte binary)</td></tr><tr><td>46..65</td><td>OHL Groupset ID (20 Bytes text)</td></tr><tr><td>66</td><td>Access Restriction (1 Byte binary)</td></tr></table>	Byte / Bit	Content	00	Protocol Type: 0x70 (1 Byte binary)	01..02	Message Type: 0x0050 or 0X0055 (2 Bytes binary)	03..22	Sender: TCS Identifier (20 Bytes text)	23..42	Receiver: ILS Identifier (20 Bytes text)	43..44	TAN (2 Bytes binary)	45	Information Type: 0x76 (1 Byte binary)	46..65	OHL Groupset ID (20 Bytes text)	66	Access Restriction (1 Byte binary)	999900
Byte / Bit	Content																				
00	Protocol Type: 0x70 (1 Byte binary)																				
01..02	Message Type: 0x0050 or 0X0055 (2 Bytes binary)																				
03..22	Sender: TCS Identifier (20 Bytes text)																				
23..42	Receiver: ILS Identifier (20 Bytes text)																				
43..44	TAN (2 Bytes binary)																				
45	Information Type: 0x76 (1 Byte binary)																				
46..65	OHL Groupset ID (20 Bytes text)																				
66	Access Restriction (1 Byte binary)																				
Eu.SCI-CC.PDI.607	Req	<b>Message Type</b> Bytes 01 and 02 shall be set to 0x0050 or 0x0055 as defined in section 3.4.1.	999900																		
Eu.SCI-CC.PDI.608	Req	<b>Sender Identifier</b> The message bytes 03..22 shall contain the technical identifier of the TCS according to section 3.2.	999900																		
Eu.SCI-CC.PDI.609	Req	<b>Receiver Identifier</b> The message bytes 23..42 shall contain the technical identifier of the Subsystem - Electronic Interlocking according to section 3.2.	999900																		
Eu.SCI-CC.PDI.3365	Req	<b>TAN</b> Bytes 43 and 44 shall contain a unique transaction number of the command. If the Message Type is set to 0x0055, the transaction number shall be equal to the transaction number used in the command that is being confirmed (see section 3.4.1).	999900																		
Eu.SCI-CC.PDI.610	Req	<b>Information Type</b> Byte 45 shall be set to 0x76.	999900																		
Eu.SCI-CC.PDI.611	Req	<b>OHL Groupset ID</b> Bytes 46 to 65 shall contain a unique Overhead Line Groupset identity according to section 3.3.	999900																		
Eu.SCI-CC.PDI.612	Req	<b>Access Restriction</b> Byte 66 shall be set to one of the following values:  <table><tr><td>value</td><td>meaning</td></tr><tr><td>-----</td><td>-----</td></tr></table>	value	meaning	-----	-----	999900														
value	meaning																				
-----	-----																				
Eu.SCI-CC.PDI.613	Req	<table><tr><td>0x01</td><td>set an access restriction</td></tr></table>	0x01	set an access restriction	999900																
0x01	set an access restriction																				
Eu.SCI-CC.PDI.614	Req	<table><tr><td>0x02</td><td>cancel an access restriction</td></tr></table>	0x02	cancel an access restriction	999900																
0x02	cancel an access restriction																				
Eu.SCI-CC.PDI.615	Req	<table><tr><td>0x03</td><td>display all route elements affected by the access restriction</td></tr></table>	0x03	display all route elements affected by the access restriction	999900																
0x03	display all route elements affected by the access restriction																				
Eu.SCI-CC.PDI.235	Head	<b>3.5.7.2 Command “Manage A Local Shunting Area”</b>	007000 007600 007900 310900																		
Eu.SCI-CC.PDI.2214	Info	This telegram refines the InformationFlow "Cd_Manage_A_Local_Shunting_Area" specified in the requirements specification (ID Eu.CC.1946).	007000 007600 007900 310900																		
Eu.SCI-CC.PDI.236	Info	<div>Telegram definition for command “Manage A Local Shunting Area”</div> <table><tr><th>Byte / Bit</th><th>Content</th></tr><tr><td>00</td><td>Protocol Type: 0x70 (1 Byte binary)</td></tr><tr><td>01..02</td><td>Message Type: 0x0050 or 0X0055 (2 Bytes binary)</td></tr><tr><td>03..22</td><td>Sender: TCS Identifier (20 Bytes text)</td></tr><tr><td>23..42</td><td>Receiver: ILS Identifier (20 Bytes text)</td></tr><tr><td>43..44</td><td>TAN (2 Bytes binary)</td></tr><tr><td>43</td><td>Information Type: 0x10 (1 Byte binary)</td></tr><tr><td>45..65</td><td>Local Shunting Area ID (20 Bytes text)</td></tr><tr><td>66</td><td>Instruction (1 Byte binary)</td></tr></table>	Byte / Bit	Content	00	Protocol Type: 0x70 (1 Byte binary)	01..02	Message Type: 0x0050 or 0X0055 (2 Bytes binary)	03..22	Sender: TCS Identifier (20 Bytes text)	23..42	Receiver: ILS Identifier (20 Bytes text)	43..44	TAN (2 Bytes binary)	43	Information Type: 0x10 (1 Byte binary)	45..65	Local Shunting Area ID (20 Bytes text)	66	Instruction (1 Byte binary)	007000 007600 007900 310900
Byte / Bit	Content																				
00	Protocol Type: 0x70 (1 Byte binary)																				
01..02	Message Type: 0x0050 or 0X0055 (2 Bytes binary)																				
03..22	Sender: TCS Identifier (20 Bytes text)																				
23..42	Receiver: ILS Identifier (20 Bytes text)																				
43..44	TAN (2 Bytes binary)																				
43	Information Type: 0x10 (1 Byte binary)																				
45..65	Local Shunting Area ID (20 Bytes text)																				
66	Instruction (1 Byte binary)																				
Eu.SCI-CC.PDI.237	Req	<b>Message Type</b> Bytes 01 and 02 shall be set to 0x0050 or 0x0055 as defined in section 3.4.1.	007000 007600 007900 310900																		

ID	Type	Requirement	Appl.																		
Eu.SCI-CC.PDI.238	Req	<b>Sender Identifier</b> The message bytes 03..22 shall contain the technical identifier of the TCS according to section 3.2.	007000 007600 007900 310900																		
Eu.SCI-CC.PDI.239	Req	<b>Receiver Identifier</b> The message bytes 23..42 shall contain the technical identifier of the Subsystem - Electronic Interlocking according to section 3.2.	007000 007600 007900 310900																		
Eu.SCI-CC.PDI.3366	Req	<b>TAN</b> Bytes 43 and 44 shall contain a unique transaction number of the command. If the Message Type is set to 0x0055, the transaction number shall be equal to the transaction number used in the command that is being confirmed (see section 3.4.1).	007000 007600 007900 310900																		
Eu.SCI-CC.PDI.240	Req	<b>Information Type</b> Byte 45 shall be set to 0x10.	007000 007600 007900 310900																		
Eu.SCI-CC.PDI.248	Req	<b>Local Shunting Area ID</b> Bytes 46 to 65 shall contain a unique Shunting Area identity according to section 3.3.	007000 007600 007900 310900																		
Eu.SCI-CC.PDI.241	Req	<b>Instruction</b> Byte 66 shall be set to one of the following binary values.  Value            meaning -----        -----	007000 007600 007900 310900																		
Eu.SCI-CC.PDI.242	Req	0x01            disable Local Shunting Area	007000 007600 007900 310900																		
Eu.SCI-CC.PDI.243	Req	0x02            enable Local Shunting Area	007000 007600 007900 310900																		
Eu.SCI-CC.PDI.244	Req	0x03            disable Local Shunting Area by auxiliary command	310900																		
Eu.SCI-CC.PDI.245	Req	0x04            enable Local Shunting Area in degraded mode by auxiliary command	310900																		
Eu.SCI-CC.PDI.246	Req	0x05            set command blocking on a Local Shunting Area	007000																		
Eu.SCI-CC.PDI.247	Req	0x06            remove command blocking from a   Local Shunting Area	007000																		
Eu.SCI-CC.PDI.443	Head	<b>3.5.7.3 Command “Manage Automatic Route Setting For An Area”</b>	007000 007900 310900																		
Eu.SCI-CC.PDI.2225	Info	This telegram refines the InformationFlow "Cd_Manage_Automatic_Route_Setting_For_An_Area" specified in the requirements specification (ID Eu.CC.1950).	007000 007900 310900																		
Eu.SCI-CC.PDI.444	Info	Telegram definition for command “Manage Automatic Route Setting For An Area” <table><tr><th>Byte / Bit</th><th>Content</th></tr><tr><td>00</td><td>Protocol Type: 0x70 (1 Byte binary)</td></tr><tr><td>01..02</td><td>Message Type: 0x0050 or 0X0055 (2 Bytes binary)</td></tr><tr><td>03..22</td><td>Sender: TCS Identifier (20 Bytes text)</td></tr><tr><td>23..42</td><td>Receiver: ILS Identifier (20 Bytes text)</td></tr><tr><td>43..44</td><td>TAN (2 Bytes binary)</td></tr><tr><td>45</td><td>Information Type: 0x50 (1 Byte binary)</td></tr><tr><td>46..65</td><td>ARS Area ID (20 Bytes text)</td></tr><tr><td>66</td><td>Instruction (1 Byte binary)</td></tr></table>	Byte / Bit	Content	00	Protocol Type: 0x70 (1 Byte binary)	01..02	Message Type: 0x0050 or 0X0055 (2 Bytes binary)	03..22	Sender: TCS Identifier (20 Bytes text)	23..42	Receiver: ILS Identifier (20 Bytes text)	43..44	TAN (2 Bytes binary)	45	Information Type: 0x50 (1 Byte binary)	46..65	ARS Area ID (20 Bytes text)	66	Instruction (1 Byte binary)	007000 007900 310900
Byte / Bit	Content																				
00	Protocol Type: 0x70 (1 Byte binary)																				
01..02	Message Type: 0x0050 or 0X0055 (2 Bytes binary)																				
03..22	Sender: TCS Identifier (20 Bytes text)																				
23..42	Receiver: ILS Identifier (20 Bytes text)																				
43..44	TAN (2 Bytes binary)																				
45	Information Type: 0x50 (1 Byte binary)																				
46..65	ARS Area ID (20 Bytes text)																				
66	Instruction (1 Byte binary)																				

ID	Type	Requirement	Appl.																		
Eu.SCI-CC.PDI.445	Req	<b>Message Type</b> Bytes 01 and 02 shall be set to 0x0050 or 0x0055 as defined in section 3.4.1.	007000 007900 310900																		
Eu.SCI-CC.PDI.446	Req	<b>Sender Identifier</b> The message bytes 03..22 shall contain the technical identifier of the TCS according to section 3.2.	007000 007900 310900																		
Eu.SCI-CC.PDI.447	Req	<b>Receiver Identifier</b> The message bytes 23..42 shall contain the technical identifier of the Subsystem - Electronic Interlocking according to section 3.2.	007000 007900 310900																		
Eu.SCI-CC.PDI.3367	Req	<b>TAN</b> Bytes 43 and 44 shall contain a unique transaction number of the command. If the Message Type is set to 0x0055, the transaction number shall be equal to the transaction number used in the command that is being confirmed (see section 3.4.1).	007000 007900 310900																		
Eu.SCI-CC.PDI.448	Req	<b>Information Type</b> Byte 45 shall be set to 0x50.	007000 007900 310900																		
Eu.SCI-CC.PDI.456	Req	<b>ARS Area ID</b> Bytes 46 to 65 shall contain a unique ARS Area identity according to section 3.3.	007000 007900 310900																		
Eu.SCI-CC.PDI.449	Req	<b>Instruction</b> Byte 66 shall be set to one of the following values:  value                    meaning -----                -----	007000 007900 310900																		
Eu.SCI-CC.PDI.450	Req	0x01                    manual request to enable	007000 007900 310900																		
Eu.SCI-CC.PDI.451	Req	0x02                    system request to enable	007000 310900																		
Eu.SCI-CC.PDI.452	Req	0x03                    manual request to disable	007000 007900 310900																		
Eu.SCI-CC.PDI.453	Req	0x04                    system request to disable	007000 310900																		
Eu.SCI-CC.PDI.454	Req	0x05                    block command	007000 310900																		
Eu.SCI-CC.PDI.455	Req	0x06                    unblock command	007000 310900																		
Eu.SCI-CC.PDI.468	Head	<b>3.5.7.4 Command “Manage A By-pass Area”</b>	007000 007600 007900 310900																		
Eu.SCI-CC.PDI.2227	Info	This telegram refines the InformationFlow "Cd_Manage_A_By-pass_Area" specified in the requirements specification (ID Eu.CC.1945).	007000 007600 007900 310900																		
Eu.SCI-CC.PDI.469	Info	Telegram definition for command “Manage A By-pass Area” <table><tr><th>Byte / Bit</th><th>Content</th></tr><tr><td>00</td><td>Protocol Type: 0x70 (1 Byte binary)</td></tr><tr><td>01..02</td><td>Message Type: 0x0050 or 0X0055 (2 Bytes binary)</td></tr><tr><td>03..22</td><td>Sender: TCS Identifier (20 Bytes text)</td></tr><tr><td>23..42</td><td>Receiver: ILS Identifier (20 Bytes text)</td></tr><tr><td>43..44</td><td>TAN (2 Bytes binary)</td></tr><tr><td>45</td><td>Information Type: 0x5B (1 Byte binary)</td></tr><tr><td>46..65</td><td>By-pass Area ID (20 Bytes text)</td></tr><tr><td>66</td><td>Instruction (1 Byte binary)</td></tr></table>	Byte / Bit	Content	00	Protocol Type: 0x70 (1 Byte binary)	01..02	Message Type: 0x0050 or 0X0055 (2 Bytes binary)	03..22	Sender: TCS Identifier (20 Bytes text)	23..42	Receiver: ILS Identifier (20 Bytes text)	43..44	TAN (2 Bytes binary)	45	Information Type: 0x5B (1 Byte binary)	46..65	By-pass Area ID (20 Bytes text)	66	Instruction (1 Byte binary)	007000 007600 007900 310900
Byte / Bit	Content																				
00	Protocol Type: 0x70 (1 Byte binary)																				
01..02	Message Type: 0x0050 or 0X0055 (2 Bytes binary)																				
03..22	Sender: TCS Identifier (20 Bytes text)																				
23..42	Receiver: ILS Identifier (20 Bytes text)																				
43..44	TAN (2 Bytes binary)																				
45	Information Type: 0x5B (1 Byte binary)																				
46..65	By-pass Area ID (20 Bytes text)																				
66	Instruction (1 Byte binary)																				

ID	Type	Requirement	Appl.																		
Eu.SCI-CC.PDI.470	Req	<b>Message Type</b> Bytes 01 and 02 shall be set to 0x0050 or 0x0055 as defined in section 3.4.1.	007000 007600 007900 310900																		
Eu.SCI-CC.PDI.471	Req	<b>Sender Identifier</b> The message bytes 03..22 shall contain the technical identifier of the TCS according to section 3.2.	007000 007600 007900 310900																		
Eu.SCI-CC.PDI.472	Req	<b>Receiver Identifier</b> The message bytes 23..42 shall contain the technical identifier of the Subsystem - Electronic Interlocking according to section 3.2.	007000 007600 007900 310900																		
Eu.SCI-CC.PDI.3368	Req	<b>TAN</b> Bytes 43 and 44 shall contain a unique transaction number of the command. If the Message Type is set to 0x0055, the transaction number shall be equal to the transaction number used in the command that is being confirmed (see section 3.4.1).	007000 007600 007900 310900																		
Eu.SCI-CC.PDI.473	Req	<b>Information Type</b> Byte 45 shall be set to 0x5B.	007000 007600 007900 310900																		
Eu.SCI-CC.PDI.479	Req	<b>By-pass Area ID</b> Bytes 46 to 65 shall contain a unique By-pass Area identity according to section 3.3.	007000 007600 007900 310900																		
Eu.SCI-CC.PDI.474	Req	<b>Instruction</b> Byte 66 shall be set to one of the following values:  value            meaning -----        -	007000 007600 007900 310900																		
Eu.SCI-CC.PDI.475	Req	0x01            deactivate	007000 007600 007900 310900																		
Eu.SCI-CC.PDI.476	Req	0x02            activate	007000 007600 007900 310900																		
Eu.SCI-CC.PDI.477	Req	0x03            block command	007000 310900																		
Eu.SCI-CC.PDI.478	Req	0x04            unblock command	007000 310900																		
Eu.SCI-CC.PDI.480	Head	<b>3.5.7.5 Command “Manage An Emergency Stop Area”</b>	007000 007600																		
Eu.SCI-CC.PDI.2228	Info	This telegram refines the InformationFlow "Cd_Manage_An_Emergency_Stop_Area" specified in the requirements specification (ID Eu.CC.1948).	007000 007600																		
Eu.SCI-CC.PDI.481	Info	Telegram definition for command “Manage An Emergency Stop Area” <table><tr><th>Byte / Bit</th><th>Content</th></tr><tr><td>00</td><td>Protocol Type: 0x70 (1 Byte binary)</td></tr><tr><td>01..02</td><td>Message Type: 0x0050 or 0X0055 (2 Bytes binary)</td></tr><tr><td>03..22</td><td>Sender: TCS Identifier (20 Bytes text)</td></tr><tr><td>23..42</td><td>Receiver: ILS Identifier (20 Bytes text)</td></tr><tr><td>43..44</td><td>TAN (2 Bytes binary)</td></tr><tr><td>45</td><td>Information Type: 0x5D (1 Byte binary)</td></tr><tr><td>46..65</td><td>Emergency Stop Area ID (20 Bytes text)</td></tr><tr><td>66</td><td>Instruction (1 Byte binary)</td></tr></table>	Byte / Bit	Content	00	Protocol Type: 0x70 (1 Byte binary)	01..02	Message Type: 0x0050 or 0X0055 (2 Bytes binary)	03..22	Sender: TCS Identifier (20 Bytes text)	23..42	Receiver: ILS Identifier (20 Bytes text)	43..44	TAN (2 Bytes binary)	45	Information Type: 0x5D (1 Byte binary)	46..65	Emergency Stop Area ID (20 Bytes text)	66	Instruction (1 Byte binary)	007000 007600
Byte / Bit	Content																				
00	Protocol Type: 0x70 (1 Byte binary)																				
01..02	Message Type: 0x0050 or 0X0055 (2 Bytes binary)																				
03..22	Sender: TCS Identifier (20 Bytes text)																				
23..42	Receiver: ILS Identifier (20 Bytes text)																				
43..44	TAN (2 Bytes binary)																				
45	Information Type: 0x5D (1 Byte binary)																				
46..65	Emergency Stop Area ID (20 Bytes text)																				
66	Instruction (1 Byte binary)																				
Eu.SCI-CC.PDI.482	Req	<b>Message Type</b> Bytes 01 and 02 shall be set to 0x0050 or 0x0055 as defined in section 3.4.1.	007000 007600																		

ID	Type	Requirement	Appl.																		
Eu.SCI-CC.PDI.483	Req	<b>Sender Identifier</b> The message bytes 03..22 shall contain the technical identifier of the TCS according to section 3.2.	007000 007600																		
Eu.SCI-CC.PDI.484	Req	<b>Receiver Identifier</b> The message bytes 23..42 shall contain the technical identifier of the Subsystem - Electronic Interlocking according to section 3.2.	007000 007600																		
Eu.SCI-CC.PDI.3369	Req	<b>TAN</b> Bytes 43 and 44 shall contain a unique transaction number of the command. If the Message Type is set to 0x0055, the transaction number shall be equal to the transaction number used in the command that is being confirmed (see section 3.4.1).	007000 007600																		
Eu.SCI-CC.PDI.485	Req	<b>Information Type</b> Byte 45 shall be set to 0x5D.	007000 007600																		
Eu.SCI-CC.PDI.489	Req	<b>Emergency Stop Area ID</b> Bytes 46 to 65 shall contain a unique Emergency Stop Area identity according to section 3.3.	007000 007600																		
Eu.SCI-CC.PDI.486	Req	<b>Instruction</b> Byte 66 shall be set to one of the following values:  value                    meaning -----                -----  0x01                    deactivate  0x02                    activate	007000 007600																		
Eu.SCI-CC.PDI.487	Req		007000 007600																		
Eu.SCI-CC.PDI.488	Req		007000 007600																		
Eu.SCI-CC.PDI.555	Head	<b>3.5.7.6 Command “Manage A Working Area”</b>	007000 007001 007600 008700																		
Eu.SCI-CC.PDI.2231	Info	This telegram refines the InformationFlow "Cd_Manage_A_Working_Area" specified in the requirements specification (ID Eu.CC.1947).	007000 007001 007600 008700																		
Eu.SCI-CC.PDI.556	Info	Telegram definition for command “Manage A Working Area” <table><tr><th>Byte / Bit</th><th>Content</th></tr><tr><td>00</td><td>Protocol Type: 0x70 (1 Byte binary)</td></tr><tr><td>01..02</td><td>Message Type: 0x0050 or 0X0055 (2 Bytes binary)</td></tr><tr><td>03..22</td><td>Sender: TCS Identifier (20 Bytes text)</td></tr><tr><td>23..42</td><td>Receiver: ILS Identifier (20 Bytes text)</td></tr><tr><td>43..44</td><td>TAN (2 Bytes binary)</td></tr><tr><td>45</td><td>Information Type: 0x65 (1 Byte binary)</td></tr><tr><td>46..65</td><td>Working Area ID (20 Bytes text)</td></tr><tr><td>66</td><td>Instruction (1 Byte binary)</td></tr></table>	Byte / Bit	Content	00	Protocol Type: 0x70 (1 Byte binary)	01..02	Message Type: 0x0050 or 0X0055 (2 Bytes binary)	03..22	Sender: TCS Identifier (20 Bytes text)	23..42	Receiver: ILS Identifier (20 Bytes text)	43..44	TAN (2 Bytes binary)	45	Information Type: 0x65 (1 Byte binary)	46..65	Working Area ID (20 Bytes text)	66	Instruction (1 Byte binary)	007000 007001 007600 008700
Byte / Bit	Content																				
00	Protocol Type: 0x70 (1 Byte binary)																				
01..02	Message Type: 0x0050 or 0X0055 (2 Bytes binary)																				
03..22	Sender: TCS Identifier (20 Bytes text)																				
23..42	Receiver: ILS Identifier (20 Bytes text)																				
43..44	TAN (2 Bytes binary)																				
45	Information Type: 0x65 (1 Byte binary)																				
46..65	Working Area ID (20 Bytes text)																				
66	Instruction (1 Byte binary)																				
Eu.SCI-CC.PDI.557	Req	<b>Message Type</b> Bytes 01 and 02 shall be set to 0x0050 or 0x0055 as defined in section 3.4.1.	007000 007001 007600 008700																		
Eu.SCI-CC.PDI.558	Req	<b>Sender Identifier</b> The message bytes 03..22 shall contain the technical identifier of the TCS according to section 3.2.	007000 007001 007600 008700																		
Eu.SCI-CC.PDI.559	Req	<b>Receiver Identifier</b> The message bytes 23..42 shall contain the technical identifier of the Subsystem - Electronic Interlocking according to section 3.2.	007000 007001 007600 008700																		
Eu.SCI-CC.PDI.3370	Req	<b>TAN</b> Bytes 43 and 44 shall contain a unique transaction number of the command. If the Message Type is set to 0x0055, the transaction number shall be equal to the transaction number used in the command that is being confirmed (see section 3.4.1).	007000 007001 007600 008700																		
Eu.SCI-CC.PDI.560	Req	<b>Information Type</b> Byte 45 shall be set to binary 0x65.	007000 007001 007600 008700																		



ID	Type	Requirement		Appl.																								
Eu.SCI-CC.PDI.569	Req	<b>Working Area ID</b> Bytes 46 to 65 shall contain a unique Working Area identity according to section 3.3.		007000 007001 007600 008700																								
Eu.SCI-CC.PDI.561	Req	<b>Instruction</b> Byte 66 shall be set to one of the following binary values:  value                      meaning -----                      -----		007000 007001 007600 008700																								
Eu.SCI-CC.PDI.562	Req	0x01	disable Working Area	007000 007001 007600 008700																								
Eu.SCI-CC.PDI.563	Req	0x02	enable Working Area	007000 007001 007600 008700																								
Eu.SCI-CC.PDI.564	Req	0x03	deactivate Working Area	007000 007001 007600 008700																								
Eu.SCI-CC.PDI.565	Req	0x04	activate Working Area	007000 007001 007600 008700																								
Eu.SCI-CC.PDI.568	Req	0x05	Shunting Mode not allowed	007000 007001 007600 008700																								
Eu.SCI-CC.PDI.567	Req	0x06	Shunting Mode allowed	007000 007001 007600 008700																								
Eu.SCI-CC.PDI.1644	Head	<b>3.5.7.7 Message “Local Shunting Area Status”</b>		007000 007600 007900 310900																								
Eu.SCI-CC.PDI.2286	Info	This telegram refines the InformationFlow "Msg_Local_Shunting_Area_Status" specified in the requirements specification (ID Eu.CC.1955).		007000 007600 007900 310900																								
Eu.SCI-CC.PDI.1645	Info	Telegram definition for status message “Local Shunting Area Status” <table><tr><th>Byte / Bit</th><th>Content</th></tr><tr><td>00</td><td>Protocol Type: 0x70 (1 Byte binary)</td></tr><tr><td>01..02</td><td>Message Type: 0x0040 (2 Bytes binary)</td></tr><tr><td>03..22</td><td>Sender: ILS Identifier (20 Bytes text)</td></tr><tr><td>23..42</td><td>Receiver: TCS Identifier (20 Bytes text)</td></tr><tr><td>43</td><td>Information Type: 0x03 (1 Byte binary)</td></tr><tr><td>44..63</td><td>Local Shunting Area ID (20 Bytes text)</td></tr><tr><td>64</td><td>Active Control (1 Byte binary)</td></tr><tr><td>65</td><td>Monitoring (1 Byte binary)</td></tr><tr><td>66</td><td>Status (1 Byte binary)</td></tr><tr><td>67</td><td>Blocking (1 Byte binary)</td></tr><tr><td>68</td><td>Message (1 Byte binary)</td></tr></table>		Byte / Bit	Content	00	Protocol Type: 0x70 (1 Byte binary)	01..02	Message Type: 0x0040 (2 Bytes binary)	03..22	Sender: ILS Identifier (20 Bytes text)	23..42	Receiver: TCS Identifier (20 Bytes text)	43	Information Type: 0x03 (1 Byte binary)	44..63	Local Shunting Area ID (20 Bytes text)	64	Active Control (1 Byte binary)	65	Monitoring (1 Byte binary)	66	Status (1 Byte binary)	67	Blocking (1 Byte binary)	68	Message (1 Byte binary)	007000 007600 007900 310900
Byte / Bit	Content																											
00	Protocol Type: 0x70 (1 Byte binary)																											
01..02	Message Type: 0x0040 (2 Bytes binary)																											
03..22	Sender: ILS Identifier (20 Bytes text)																											
23..42	Receiver: TCS Identifier (20 Bytes text)																											
43	Information Type: 0x03 (1 Byte binary)																											
44..63	Local Shunting Area ID (20 Bytes text)																											
64	Active Control (1 Byte binary)																											
65	Monitoring (1 Byte binary)																											
66	Status (1 Byte binary)																											
67	Blocking (1 Byte binary)																											
68	Message (1 Byte binary)																											
Eu.SCI-CC.PDI.1646	Req	<b>Message Type</b> Bytes 01 and 02 shall be set to 0x0040 as defined in section 3.4.1.		007000 007600 007900 310900																								
Eu.SCI-CC.PDI.1647	Req	<b>Sender Identifier</b> The message bytes 03..22 shall contain the technical identifier of the Subsystem - Electronic Interlocking according to section 3.2.		007000 007600 007900 310900																								

ID	Type	Requirement	Appl.
Eu.SCI-CC.PDI.1648	Req	<b>Receiver Identifier</b> The message bytes 23..42 shall contain the technical identifier of the TCS according to section 3.2.	007000 007600 007900 310900
Eu.SCI-CC.PDI.1649	Req	<b>Information Type</b> Byte 43 shall be set to 0x03.	007000 007600 007900 310900
Eu.SCI-CC.PDI.1650	Req	<b>Local Shunting Area ID</b> Bytes 44 to 63 shall contain a unique Shunting Area identity according to section 3.3.	007000 007600 007900 310900
Eu.SCI-CC.PDI.2709	Req	<b>Active Control</b> Byte 64 shall be set to one of the following values:  value            meaning -----        -----	007000 007600 007900 310900
Eu.SCI-CC.PDI.2710	Req	0x01            not in active control	007000 007600 007900 310900
Eu.SCI-CC.PDI.2711	Req	0x02            in active control	007000 007600 007900 310900
Eu.SCI-CC.PDI.3395	Info	Note: When byte 64 is set to 0x01 then the information contained within this telegram should be considered as “last known”.	007000 007600 007900 310900
Eu.SCI-CC.PDI.1651	Req	<b>Monitoring</b> Byte 65 shall be set to one of the following values:  value            meaning -----        -----	007000 007600 007900 310900
Eu.SCI-CC.PDI.1652	Req	0x01            monitoring failed	007900 310900
Eu.SCI-CC.PDI.1653	Req	0x02            monitoring not failed	007900 310900
Eu.SCI-CC.PDI.2386	Req	0xFF            Monitoring not applicable	007000 007600
Eu.SCI-CC.PDI.1654	Req	<b>Status</b> Byte 66 shall be set to one of the following values:  value            meaning -----        -----	007000 007600 007900 310900
Eu.SCI-CC.PDI.1656	Req	0x01            deactivated	007000 007600 007900 310900
Eu.SCI-CC.PDI.1655	Req	0x02            activation in progress	007000 007600 007900 310900
Eu.SCI-CC.PDI.2707	Req	0x03            activated	007000 007600 007900 310900
Eu.SCI-CC.PDI.2708	Req	0x04            deactivation in progress	007000 310900

ID	Type	Requirement	Appl.																		
Eu.SCI-CC.PDI.1663	Req	<b>Blocking</b> Byte 67 shall be set to one of the following values: <table><tr><td>value</td><td>meaning</td></tr><tr><td>-----</td><td>-----</td></tr></table>	value	meaning	-----	-----	007000 007600 007900 310900														
value	meaning																				
-----	-----																				
Eu.SCI-CC.PDI.1665	Req	0x01            command blocked	007000 007900 310900																		
Eu.SCI-CC.PDI.1664	Req	0x02            command not blocked	007000 007900 310900																		
Eu.SCI-CC.PDI.2389	Req	0xFF            Blocking not applicable	007600																		
Eu.SCI-CC.PDI.1666	Req	<b>Message</b> The message byte 68 shall be set to one of the following values: <table><tr><td>value</td><td>meaning</td></tr><tr><td>-----</td><td>-----</td></tr></table>	value	meaning	-----	-----	007000 007600 007900 310900														
value	meaning																				
-----	-----																				
Eu.SCI-CC.PDI.1668	Req	0x01            activation rejected	007900																		
Eu.SCI-CC.PDI.1667	Req	0x02            no message	007900																		
Eu.SCI-CC.PDI.2390	Req	0xFF            Message not applicable	007000 007600 310900																		
Eu.SCI-CC.PDI.1356	Head	<b>3.5.7.8 Message “Automatic Route Setting Area Status”</b>	007000 007900 310900																		
Eu.SCI-CC.PDI.2268	Info	This telegram refines the InformationFlow "Msg_Automatic_Route_Setting_Area_Status" specified in the requirements specification (ID Eu.CC.1951).	007000 007900 310900																		
Eu.SCI-CC.PDI.1357	Info	Telegram definition for status message “Automatic Route Setting Area Status” <table><tr><th>Byte / Bit</th><th>Content</th></tr><tr><td>00</td><td>Protocol Type: 0x70 (1 Byte binary)</td></tr><tr><td>01..02</td><td>Message Type: 0x0040 (2 Bytes binary)</td></tr><tr><td>03..22</td><td>Sender: ILS Identifier (20 Bytes text)</td></tr><tr><td>23..42</td><td>Receiver: TCS Identifier (20 Bytes text)</td></tr><tr><td>43</td><td>Information Type: 0x10 (1 Byte binary)</td></tr><tr><td>44..63</td><td>ARS Area ID (20 Bytes text)</td></tr><tr><td>64</td><td>Status (1 Byte binary)</td></tr><tr><td>65</td><td>Blocking (1 Byte binary)</td></tr></table>	Byte / Bit	Content	00	Protocol Type: 0x70 (1 Byte binary)	01..02	Message Type: 0x0040 (2 Bytes binary)	03..22	Sender: ILS Identifier (20 Bytes text)	23..42	Receiver: TCS Identifier (20 Bytes text)	43	Information Type: 0x10 (1 Byte binary)	44..63	ARS Area ID (20 Bytes text)	64	Status (1 Byte binary)	65	Blocking (1 Byte binary)	007000 007900 310900
Byte / Bit	Content																				
00	Protocol Type: 0x70 (1 Byte binary)																				
01..02	Message Type: 0x0040 (2 Bytes binary)																				
03..22	Sender: ILS Identifier (20 Bytes text)																				
23..42	Receiver: TCS Identifier (20 Bytes text)																				
43	Information Type: 0x10 (1 Byte binary)																				
44..63	ARS Area ID (20 Bytes text)																				
64	Status (1 Byte binary)																				
65	Blocking (1 Byte binary)																				
Eu.SCI-CC.PDI.1358	Req	<b>Message Type</b> Bytes 01 and 02 shall be set to 0x0040.	007000 007900 310900																		
Eu.SCI-CC.PDI.1359	Req	<b>SenderIdentifier</b> The message bytes 03..22 shall contain the technical identifier of the Subsystem - Electronic Interlocking according to section 3.2.	007000 007900 310900																		
Eu.SCI-CC.PDI.1360	Req	<b>Receiver Identifier</b> The message bytes 23..42 shall contain the technical identifier of the TCS according to section 3.2.	007000 007900 310900																		
Eu.SCI-CC.PDI.1361	Req	<b>Information Type</b> The message byte 43 shall be set to 0x10.	007000 007900 310900																		
Eu.SCI-CC.PDI.1362	Req	<b>ARS Area ID</b> Bytes 44 to 63 shall contain a unique ARS area identity according to section 3.3.	007000 007900 310900																		

ID	Type	Requirement	Appl.																		
Eu.SCI-CC.PDI.1363	Req	<b>Status</b> The message byte 64 shall be set to one of the following values: <table><tr><td>value</td><td>meaning</td></tr><tr><td>-----</td><td>-----</td></tr></table>	value	meaning	-----	-----	007000 007900 310900														
value	meaning																				
-----	-----																				
Eu.SCI-CC.PDI.1364	Req	0x01            enabled	007000 007900 310900																		
Eu.SCI-CC.PDI.1365	Req	0x02            disabled	007000 007900 310900																		
Eu.SCI-CC.PDI.1366	Req	<b>Blocking</b> The message byte 65 shall be set to one of the following values: <table><tr><td>value</td><td>meaning</td></tr><tr><td>-----</td><td>-----</td></tr></table>	value	meaning	-----	-----	007000 007900 310900														
value	meaning																				
-----	-----																				
Eu.SCI-CC.PDI.1367	Req	0x01            command blocked	007000 310900																		
Eu.SCI-CC.PDI.1368	Req	0x02            command not blocked	007000 310900																		
Eu.SCI-CC.PDI.2353	Req	0xFF            Blocking not applicable	007900 310900																		
Eu.SCI-CC.PDI.1508	Req	<b>3.5.7.9 Message “Emergency Stop Area Status”</b>	007000 007600																		
Eu.SCI-CC.PDI.2277	Info	This telegram refines the InformationFlow "Msg_Emergency_Stop_Area_Status" specified in the requirements specification (ID Eu.CC.1953).	007000 007600																		
Eu.SCI-CC.PDI.1509	Info	Telegram definition for status message “Emergency Stop Area Status” <table><tr><th>Byte / Bit</th><th>Content</th></tr><tr><td>00</td><td>Protocol Type: 0x70 (1 Byte binary)</td></tr><tr><td>01..02</td><td>Message Type: 0x0040 (2 Bytes binary)</td></tr><tr><td>03..22</td><td>Sender: ILS Identifier (20 Bytes text)</td></tr><tr><td>23..42</td><td>Receiver: TCS Identifier (20 Bytes text)</td></tr><tr><td>43</td><td>Information Type: 0x1B (1 Byte binary)</td></tr><tr><td>44..63</td><td>Emergency Stop Area ID (20 Bytes text)</td></tr><tr><td>64</td><td>Active Control (1 Byte binary)</td></tr><tr><td>65</td><td>Status (1 Byte binary)</td></tr></table>	Byte / Bit	Content	00	Protocol Type: 0x70 (1 Byte binary)	01..02	Message Type: 0x0040 (2 Bytes binary)	03..22	Sender: ILS Identifier (20 Bytes text)	23..42	Receiver: TCS Identifier (20 Bytes text)	43	Information Type: 0x1B (1 Byte binary)	44..63	Emergency Stop Area ID (20 Bytes text)	64	Active Control (1 Byte binary)	65	Status (1 Byte binary)	007000 007600
Byte / Bit	Content																				
00	Protocol Type: 0x70 (1 Byte binary)																				
01..02	Message Type: 0x0040 (2 Bytes binary)																				
03..22	Sender: ILS Identifier (20 Bytes text)																				
23..42	Receiver: TCS Identifier (20 Bytes text)																				
43	Information Type: 0x1B (1 Byte binary)																				
44..63	Emergency Stop Area ID (20 Bytes text)																				
64	Active Control (1 Byte binary)																				
65	Status (1 Byte binary)																				
Eu.SCI-CC.PDI.1510	Req	<b>Message Type</b> Bytes 01 and 02 shall be set to 0x0040.	007000 007600																		
Eu.SCI-CC.PDI.1511	Req	<b>SenderIdentifier</b> The message bytes 03..22 shall contain the technical identifier of the Subsystem - Electronic Interlocking according to section 3.2.	007000 007600																		
Eu.SCI-CC.PDI.1512	Req	<b>Receiver Identifier</b> The message bytes 23..42 shall contain the technical identifier of the TCS according to section 3.2.	007000 007600																		
Eu.SCI-CC.PDI.1513	Req	<b>Information Type</b> The message byte 43 shall be set to 0x1B.	007000 007600																		
Eu.SCI-CC.PDI.1514	Req	<b>Emergency Stop Area ID</b> Bytes 44 to 63 shall contain a unique Emergency Stop Area identity according to section 3.3.	007000 007600																		
Eu.SCI-CC.PDI.2804	Req	<b>Active Control</b> Byte 64 shall be set to one of the following values: <table><tr><td>value</td><td>meaning</td></tr><tr><td>-----</td><td>-----</td></tr></table>	value	meaning	-----	-----	007000 007600														
value	meaning																				
-----	-----																				
Eu.SCI-CC.PDI.2805	Req	0x01            not in active control	007000 007600																		

ID	Type	Requirement		Appl.																				
Eu.SCI-CC.PDI.2806	Req	0x02	in active control	007000 007600																				
Eu.SCI-CC.PDI.3396	Info	Note: When byte 64 is set to 0x01 then the information contained within this telegram should be considered as “last known”.		007000 007600																				
Eu.SCI-CC.PDI.1515	Req	<b>Status</b> The message byte 65 shall be set to one of the following values:  value            meaning -----    -----		007000 007600																				
Eu.SCI-CC.PDI.1516	Req	0x01	deactivated	007000 007600																				
Eu.SCI-CC.PDI.1517	Req	0x02	activated	007000 007600																				
Eu.SCI-CC.PDI.1530	Req	<b>3.5.7.10 Message “Working Area Status”</b>		007000 007001 007600 008700																				
Eu.SCI-CC.PDI.2279	Info	This telegram refines the InformationFlow "Msg_Working_Area_Status" specified in the requirements specification (ID Eu.CC.1959).		007000 007001 007600 008700																				
Eu.SCI-CC.PDI.1531	Info	Telegram definition for status message “Working Area Status” <table><tr><th>Byte / Bit</th><th>Content</th></tr><tr><td>00</td><td>Protocol Type: 0x70 (1 Byte binary)</td></tr><tr><td>01..02</td><td>Message Type: 0x0040 (2 Bytes binary)</td></tr><tr><td>03..22</td><td>Sender: ILS Identifier (20 Bytes text)</td></tr><tr><td>23..42</td><td>Receiver: TCS Identifier (20 Bytes text)</td></tr><tr><td>43</td><td>Information Type: 0x1D (1 Byte binary)</td></tr><tr><td>44..63</td><td>Working Area ID (20 Bytes text)</td></tr><tr><td>64</td><td>Active Control (1 Byte binary)</td></tr><tr><td>65</td><td>Enabled/Activated (1 Byte binary)</td></tr><tr><td>66</td><td>Shunt (1 Byte binary)</td></tr></table>		Byte / Bit	Content	00	Protocol Type: 0x70 (1 Byte binary)	01..02	Message Type: 0x0040 (2 Bytes binary)	03..22	Sender: ILS Identifier (20 Bytes text)	23..42	Receiver: TCS Identifier (20 Bytes text)	43	Information Type: 0x1D (1 Byte binary)	44..63	Working Area ID (20 Bytes text)	64	Active Control (1 Byte binary)	65	Enabled/Activated (1 Byte binary)	66	Shunt (1 Byte binary)	007000 007001 007600 008700
Byte / Bit	Content																							
00	Protocol Type: 0x70 (1 Byte binary)																							
01..02	Message Type: 0x0040 (2 Bytes binary)																							
03..22	Sender: ILS Identifier (20 Bytes text)																							
23..42	Receiver: TCS Identifier (20 Bytes text)																							
43	Information Type: 0x1D (1 Byte binary)																							
44..63	Working Area ID (20 Bytes text)																							
64	Active Control (1 Byte binary)																							
65	Enabled/Activated (1 Byte binary)																							
66	Shunt (1 Byte binary)																							
Eu.SCI-CC.PDI.1532	Req	<b>Message Type</b> Bytes 01 and 02 shall be set to 0x0040.		007000 007001 007600 008700																				
Eu.SCI-CC.PDI.1533	Req	<b>Sender Identifier</b> The message bytes 03..22 shall contain the technical identifier of the Subsystem - Electronic Interlocking according to section 3.2.		007000 007001 007600 008700																				
Eu.SCI-CC.PDI.1534	Req	<b>Receiver Identifier</b> The message bytes 23..42 shall contain the technical identifier of the TCS according to section 3.2.		007000 007001 007600 008700																				
Eu.SCI-CC.PDI.1535	Req	<b>Information Type</b> The message byte 43 shall be set to 0x1D.		007000 007001 007600 008700																				
Eu.SCI-CC.PDI.1536	Req	<b>Working Area ID</b> Bytes 44 to 63 shall contain a unique Working Area identity according to section 3.3.		007000 007001 007600 008700																				
Eu.SCI-CC.PDI.2701	Req	<b>Active Control</b> The message byte 64 shall be set to one of the following values:  value            meaning -----    -----		007000 007001 007600 008700																				

ID	Type	Requirement		Appl.																		
Eu.SCI-CC.PDI.2702	Req	0x01	not in active control	007000 007001 007600 008700																		
Eu.SCI-CC.PDI.2703	Req	0x02	in active control	007000 007001 007600 008700																		
Eu.SCI-CC.PDI.3397	Info	Note: When byte 64 is set to 0x01 then the information contained within this telegram should be considered as "last known".		007000 007001 007600 008700																		
Eu.SCI-CC.PDI.1537	Req	<b>Enabled/Activated</b> The message byte 65 shall be set to one of the following values:  value            meaning -----        -		007000 007001 007600 008700																		
Eu.SCI-CC.PDI.1539	Req	0x01	disabled	007000 007001 007600 008700																		
Eu.SCI-CC.PDI.1538	Req	0x02	enabled	007000 007001 007600 008700																		
Eu.SCI-CC.PDI.2652	Req	0x03	activated	007000 007001 007600 008700																		
Eu.SCI-CC.PDI.1543	Req	<b>Shunting</b> The message byte 66 shall be set to one of the following values:  value            meaning -----        -		007000 007001 007600 008700																		
Eu.SCI-CC.PDI.1544	Req	0x01	Shunting Mode not permitted	007000 007001 007600 008700																		
Eu.SCI-CC.PDI.1545	Req	0x02	Shunting Mode permitted	007000 007001 007600 008700																		
Eu.SCI-CC.PDI.898	Head	<b>3.5.7.11 Message "Signal Luminosity Group Status"</b>		007900 310900																		
Eu.SCI-CC.PDI.2255	Info	This telegram refines the InformationFlow "Msg_Signal_Luminosity_Group_Status" specified in the requirements specification (ID Eu.CC.1958).		007900 310900																		
Eu.SCI-CC.PDI.899	Info	Telegram definition for status message "Signal Luminosity Group Status" <table><tr><th>Byte / Bit</th><th>Content</th></tr><tr><td>00</td><td>Protocol Type: 0x70 (1 Byte binary)</td></tr><tr><td>01..02</td><td>Message Type: 0x0040 (2 Bytes binary)</td></tr><tr><td>03..22</td><td>Sender: ILS Identifier (20 Bytes text)</td></tr><tr><td>23..42</td><td>Receiver: TCS Identifier (20 Bytes text)</td></tr><tr><td>43</td><td>Information Type: 0x1A (1 Byte binary)</td></tr><tr><td>44..63</td><td>Signal Luminosity Group ID (20 Bytes text)</td></tr><tr><td>64</td><td>Lamp Intensity Mode (1 Byte binary)</td></tr><tr><td>65</td><td>Lamp Intensity Level (1 Byte binary)</td></tr></table>		Byte / Bit	Content	00	Protocol Type: 0x70 (1 Byte binary)	01..02	Message Type: 0x0040 (2 Bytes binary)	03..22	Sender: ILS Identifier (20 Bytes text)	23..42	Receiver: TCS Identifier (20 Bytes text)	43	Information Type: 0x1A (1 Byte binary)	44..63	Signal Luminosity Group ID (20 Bytes text)	64	Lamp Intensity Mode (1 Byte binary)	65	Lamp Intensity Level (1 Byte binary)	007900 310900
Byte / Bit	Content																					
00	Protocol Type: 0x70 (1 Byte binary)																					
01..02	Message Type: 0x0040 (2 Bytes binary)																					
03..22	Sender: ILS Identifier (20 Bytes text)																					
23..42	Receiver: TCS Identifier (20 Bytes text)																					
43	Information Type: 0x1A (1 Byte binary)																					
44..63	Signal Luminosity Group ID (20 Bytes text)																					
64	Lamp Intensity Mode (1 Byte binary)																					
65	Lamp Intensity Level (1 Byte binary)																					
Eu.SCI-CC.PDI.900	Req	<b>Message Type</b> Bytes 01 and 02 shall be set to 0x0040.		007900 310900																		
Eu.SCI-CC.PDI.901	Req	<b>SenderIdentifier</b> The message bytes 03..22 shall contain the technical identifier of the Subsystem - Electronic Interlocking according to section 3.2.		007900 310900																		

ID	Type	Requirement	Appl.																				
Eu.SCI-CC.PDI.902	Req	<b>Receiver Identifier</b> The message bytes 23..42 shall contain the technical identifier of the TCS according to section 3.2.	007900 310900																				
Eu.SCI-CC.PDI.903	Req	<b>Information Type</b> The message byte 43 shall be set to 0x1A.	007900 310900																				
Eu.SCI-CC.PDI.904	Req	<b>Signal Luminosity Group ID</b> Bytes 44 to 63 shall contain a unique Signal Luminosity Group identity according to section 3.3.	007900 310900																				
Eu.SCI-CC.PDI.905	Req	<b>Luminosity Mode</b> The message byte 64 shall be set to one of the following values:  value            meaning -----        -----	007900 310900																				
Eu.SCI-CC.PDI.906	Req	0x01            Automatic Mode	007900 310900																				
Eu.SCI-CC.PDI.907	Req	0x02            Manual Mode	007900 310900																				
Eu.SCI-CC.PDI.908	Req	<b>Luminosity Level</b> The message byte 65 shall be set to one of the following values:  value            level -----        -----	007900 310900																				
Eu.SCI-CC.PDI.909	Req	0x01            day	007900 310900																				
Eu.SCI-CC.PDI.910	Req	0x02            night	007900 310900																				
Eu.SCI-CC.PDI.1518	Req	<b>3.5.7.12 Message “Emergency Stop Message Response”</b>	007600																				
Eu.SCI-CC.PDI.2278	Info	This telegram refines the InformationFlow "Msg_Emergency_Stop_Message_Response" specified in the requirements specification (ID Eu.CC.1954).	007600																				
Eu.SCI-CC.PDI.1519	Info	Telegram definition for status message “Emergency Stop Message Response” <table><tr><th>Byte / Bit</th><th>Content</th></tr><tr><td>00</td><td>Protocol Type: 0x70 (1 Byte binary)</td></tr><tr><td>01..02</td><td>Message Type: 0x0040 (2 Bytes binary)</td></tr><tr><td>03..22</td><td>Sender: ILS Identifier (20 Bytes text)</td></tr><tr><td>23..42</td><td>Receiver: TCS Identifier (20 Bytes text)</td></tr><tr><td>43</td><td>Information Type: 0x1C (1 Byte binary)</td></tr><tr><td>44..63</td><td>Onboard ID (20 Bytes text)</td></tr><tr><td>64</td><td>Response Type (1 Byte binary)</td></tr><tr><td>65..84</td><td>Emergency Stop Message ID (20 Bytes text)</td></tr><tr><td>85..104</td><td>Emergency Stop Area ID (20 Bytes text)</td></tr></table>	Byte / Bit	Content	00	Protocol Type: 0x70 (1 Byte binary)	01..02	Message Type: 0x0040 (2 Bytes binary)	03..22	Sender: ILS Identifier (20 Bytes text)	23..42	Receiver: TCS Identifier (20 Bytes text)	43	Information Type: 0x1C (1 Byte binary)	44..63	Onboard ID (20 Bytes text)	64	Response Type (1 Byte binary)	65..84	Emergency Stop Message ID (20 Bytes text)	85..104	Emergency Stop Area ID (20 Bytes text)	007600
Byte / Bit	Content																						
00	Protocol Type: 0x70 (1 Byte binary)																						
01..02	Message Type: 0x0040 (2 Bytes binary)																						
03..22	Sender: ILS Identifier (20 Bytes text)																						
23..42	Receiver: TCS Identifier (20 Bytes text)																						
43	Information Type: 0x1C (1 Byte binary)																						
44..63	Onboard ID (20 Bytes text)																						
64	Response Type (1 Byte binary)																						
65..84	Emergency Stop Message ID (20 Bytes text)																						
85..104	Emergency Stop Area ID (20 Bytes text)																						
Eu.SCI-CC.PDI.1520	Req	<b>Message Type</b> Bytes 01 and 02 shall be set to 0x0040.	007600																				
Eu.SCI-CC.PDI.1521	Req	<b>Sender Identifier</b> The message bytes 03..22 shall contain the technical identifier of the Subsystem - Electronic Interlocking to section 3.2.	007600																				
Eu.SCI-CC.PDI.1522	Req	<b>Receiver Identifier</b> The message bytes 23..42 shall contain the technical identifier of the TCS according to section 3.2.	007600																				
Eu.SCI-CC.PDI.1523	Req	<b>Information Type</b> The message byte 43 shall be set to 0x1C.	007600																				
Eu.SCI-CC.PDI.2706	Req	<b>Onboard ID</b> Bytes 44 to 63 shall contain a unique onboard identity according to Eu.SCI-CC.PDI.3728.	007600																				
Eu.SCI-CC.PDI.1524	Req	<b>Response Type</b> The message byte 64 shall be set to one of the following values:  value            meaning -----        -----	007600																				
Eu.SCI-CC.PDI.1525	Req	0x01            acknowledgement of received emergency stop message	007600																				

ID	Type	Requirement		Appl.																				
Eu.SCI-CC.PDI.1526	Info	0x02	Intentionally deleted	007600																				
Eu.SCI-CC.PDI.1527	Info	0x03	Intentionally deleted	007600																				
Eu.SCI-CC.PDI.1528	Req	<b>Emergency Stop Message ID</b> Bytes 65 to 84 shall contain a unique Emergency Stop Message identity according to section 3.3.		007600																				
Eu.SCI-CC.PDI.1529	Req	<b>Emergency Stop Area ID</b> Bytes 85 to 104 shall contain a unique Emergency Stop Area identity according to section 3.3.		007600																				
Eu.SCI-CC.PDI.1346	Head	<b>3.5.7.13 Message “Request Luminosity Change”</b>		007900																				
Eu.SCI-CC.PDI.2267	Info	This telegram refines the InformationFlow "Msg_Request_Luminosity_Change" specified in the requirements specification (ID Eu.CC.1956).		007900																				
Eu.SCI-CC.PDI.1347	Info	Telegram definition for status message “Request Luminosity Change” <table><tr><th>Byte / Bit</th><th>Content</th></tr><tr><td>00</td><td>Protocol Type: 0x70 (1 Byte binary)</td></tr><tr><td>01..02</td><td>Message Type: 0x0040 (2 Bytes binary)</td></tr><tr><td>03..22</td><td>Sender: ILS Identifier (20 Bytes text)</td></tr><tr><td>23..42</td><td>Receiver: TCS Identifier (20 Bytes text)</td></tr><tr><td>43</td><td>Information Type: 0x0F (1 Byte binary)</td></tr><tr><td>44..63</td><td>Signal Luminosity Group ID (20 Bytes text)</td></tr><tr><td>64</td><td>Request (1 Byte binary)</td></tr></table>		Byte / Bit	Content	00	Protocol Type: 0x70 (1 Byte binary)	01..02	Message Type: 0x0040 (2 Bytes binary)	03..22	Sender: ILS Identifier (20 Bytes text)	23..42	Receiver: TCS Identifier (20 Bytes text)	43	Information Type: 0x0F (1 Byte binary)	44..63	Signal Luminosity Group ID (20 Bytes text)	64	Request (1 Byte binary)	007900				
Byte / Bit	Content																							
00	Protocol Type: 0x70 (1 Byte binary)																							
01..02	Message Type: 0x0040 (2 Bytes binary)																							
03..22	Sender: ILS Identifier (20 Bytes text)																							
23..42	Receiver: TCS Identifier (20 Bytes text)																							
43	Information Type: 0x0F (1 Byte binary)																							
44..63	Signal Luminosity Group ID (20 Bytes text)																							
64	Request (1 Byte binary)																							
Eu.SCI-CC.PDI.1348	Req	<b>Message Type</b> Bytes 01 and 02 shall be set to 0x0040.		007900																				
Eu.SCI-CC.PDI.1349	Req	<b>Sender Identifier</b> The message bytes 03..22 shall contain the technical identifier of the Subsystem - Electronic Interlocking according to section 3.2.		007900																				
Eu.SCI-CC.PDI.1350	Req	<b>Receiver Identifier</b> The message bytes 23..42 shall contain the technical identifier of the TCS according to section 3.2.		007900																				
Eu.SCI-CC.PDI.1351	Req	<b>Information Type</b> The message byte 43 shall be set to 0x0F.		007900																				
Eu.SCI-CC.PDI.1352	Req	<b>Signal Luminosity Group ID</b> Bytes 44 to 63 shall contain a unique Signal Luminosity Group identity according to section 3.3.		007900																				
Eu.SCI-CC.PDI.1353	Req	<b>Request</b> The message byte 64 shall be set to one of the following values:  value                      meaning -----                      -----		007900																				
Eu.SCI-CC.PDI.1354	Req	0x01	request to switch signal intensity level from night to day	007900																				
Eu.SCI-CC.PDI.1355	Req	0x02	request to switch signal intensity level from day to night	007900																				
Eu.SCI-CC.PDI.3179	Head	<b>3.5.7.14 Message “By-pass Area Status”</b>		007000 007600 007900 310900																				
Eu.SCI-CC.PDI.3180	Info	This telegram refines the InformationFlow "Msg_By-pass_Area_Status" specified in the requirements specification (ID Eu.CC.1952).		007000 007600 007900 310900																				
Eu.SCI-CC.PDI.3181	Info	Telegram definition for status message “By-pass Area Status” <table><tr><th>Byte / Bit</th><th>Content</th></tr><tr><td>00</td><td>Protocol Type: 0x70 (1 Byte binary)</td></tr><tr><td>01..02</td><td>Message Type: 0x0040 (2 Bytes binary)</td></tr><tr><td>03..22</td><td>Sender: ILS Identifier (20 Bytes text)</td></tr><tr><td>23..42</td><td>Receiver: TCS Identifier (20 Bytes text)</td></tr><tr><td>43</td><td>Information Type: 0x2D (1 Byte binary)</td></tr><tr><td>44..63</td><td>By-pass Area ID (20 Bytes text)</td></tr><tr><td>64</td><td>Active Control (1 Byte binary)</td></tr><tr><td>65</td><td>Status (1 Byte binary)</td></tr><tr><td>66</td><td>Blocking (1 Byte binary)</td></tr></table>		Byte / Bit	Content	00	Protocol Type: 0x70 (1 Byte binary)	01..02	Message Type: 0x0040 (2 Bytes binary)	03..22	Sender: ILS Identifier (20 Bytes text)	23..42	Receiver: TCS Identifier (20 Bytes text)	43	Information Type: 0x2D (1 Byte binary)	44..63	By-pass Area ID (20 Bytes text)	64	Active Control (1 Byte binary)	65	Status (1 Byte binary)	66	Blocking (1 Byte binary)	007000 007600 007900 310900
Byte / Bit	Content																							
00	Protocol Type: 0x70 (1 Byte binary)																							
01..02	Message Type: 0x0040 (2 Bytes binary)																							
03..22	Sender: ILS Identifier (20 Bytes text)																							
23..42	Receiver: TCS Identifier (20 Bytes text)																							
43	Information Type: 0x2D (1 Byte binary)																							
44..63	By-pass Area ID (20 Bytes text)																							
64	Active Control (1 Byte binary)																							
65	Status (1 Byte binary)																							
66	Blocking (1 Byte binary)																							



ID	Type	Requirement	Appl.
Eu.SCI-CC.PDI.3182	Req	<b>Message Type</b> Bytes 01 and 02 shall be set to 0x0040.	007000 007600 007900 310900
Eu.SCI-CC.PDI.3183	Req	<b>Sender Identifier</b> The message bytes 03..22 shall contain the technical identifier of the Subsystem - Electronic Interlocking according to section 3.2.	007000 007600 007900 310900
Eu.SCI-CC.PDI.3184	Req	<b>Receiver Identifier</b> The message bytes 23..42 shall contain the technical identifier of the TCS according to section 3.2.	007000 007600 007900 310900
Eu.SCI-CC.PDI.3185	Req	<b>Information Type</b> The message byte 43 shall be set to 0x2D.	007000 007600 007900 310900
Eu.SCI-CC.PDI.3186	Req	<b>By-pass Area ID</b> Bytes 44 to 63 shall contain a unique By-pass Area identity according to section 3.3.	007000 007600 007900 310900
Eu.SCI-CC.PDI.3187	Req	<b>Active Control</b> Byte 64 shall be set to one of the following values:  value                      meaning -----                      -----	007000 007600 007900 310900
Eu.SCI-CC.PDI.3188	Req	0x01                      not in active control	007000 007600 007900 310900
Eu.SCI-CC.PDI.3189	Req	0x02                      in active control	007000 007600 007900 310900
Eu.SCI-CC.PDI.3398	Info	Note: When byte 64 is set to 0x01 then the information contained within this telegram should be considered as “last known”.	007000 007600 007900 310900
Eu.SCI-CC.PDI.3190	Req	<b>Status</b> The message byte 65 shall be set to one of the following values:  value                      meaning -----                      -----	007000 007600 007900 310900
Eu.SCI-CC.PDI.3191	Req	0x01                      deactivated	007000 007600 007900 310900
Eu.SCI-CC.PDI.3192	Req	0x02                      activated	007000 007600 007900 310900
Eu.SCI-CC.PDI.3193	Req	<b>Blocking</b> Byte 66 shall be set to one of the following values:  value                      meaning -----                      -----	007000 007600 007900 310900
Eu.SCI-CC.PDI.3194	Req	0x01                      command blocked	007000
Eu.SCI-CC.PDI.3195	Req	0x02                      command not blocked	007000
Eu.SCI-CC.PDI.3196	Req	0xFF                      Blocking not applicable	007600 007900 310900

ID	Type	Requirement	Appl.																		
Eu.SCI-CC.PDI.3200	Head	<b>3.5.7.15 Message “Signal Area Status”</b>	007900 310900																		
Eu.SCI-CC.PDI.3201	Info	This telegram refines the InformationFlow "Msg_Signal_Area_Status" specified in the requirements specification (ID Eu.CC.1957).	007900 310900																		
Eu.SCI-CC.PDI.3202	Info	Telegram definition for status message “Signal Area Status” <table><tr><th>Byte / Bit</th><th>Content</th></tr><tr><td>00</td><td>Protocol Type: 0x70 (1 Byte binary)</td></tr><tr><td>01..02</td><td>Message Type: 0x0040 (2 Bytes binary)</td></tr><tr><td>03..22</td><td>Sender: ILS Identifier (20 Bytes text)</td></tr><tr><td>23..42</td><td>Receiver: TCS Identifier (20 Bytes text)</td></tr><tr><td>43</td><td>Information Type: 0x7E (1 Byte binary)</td></tr><tr><td>44..63</td><td>Signal Area ID (20 Bytes text)</td></tr><tr><td>64</td><td>Auto Status (1 Byte binary)</td></tr></table>	Byte / Bit	Content	00	Protocol Type: 0x70 (1 Byte binary)	01..02	Message Type: 0x0040 (2 Bytes binary)	03..22	Sender: ILS Identifier (20 Bytes text)	23..42	Receiver: TCS Identifier (20 Bytes text)	43	Information Type: 0x7E (1 Byte binary)	44..63	Signal Area ID (20 Bytes text)	64	Auto Status (1 Byte binary)	007900 310900		
Byte / Bit	Content																				
00	Protocol Type: 0x70 (1 Byte binary)																				
01..02	Message Type: 0x0040 (2 Bytes binary)																				
03..22	Sender: ILS Identifier (20 Bytes text)																				
23..42	Receiver: TCS Identifier (20 Bytes text)																				
43	Information Type: 0x7E (1 Byte binary)																				
44..63	Signal Area ID (20 Bytes text)																				
64	Auto Status (1 Byte binary)																				
Eu.SCI-CC.PDI.3203	Req	<b>Message Type</b> Bytes 01 and 02 shall be set to 0x0040.	007900 310900																		
Eu.SCI-CC.PDI.3204	Req	<b>SenderIdentifier</b> The message bytes 03..22 shall contain the technical identifier of the Subsystem - Electronic Interlocking according to section 3.2.	007900 310900																		
Eu.SCI-CC.PDI.3205	Req	<b>Receiver Identifier</b> The message bytes 23..42 shall contain the technical identifier of the TCS according to section 3.2.	007900 310900																		
Eu.SCI-CC.PDI.3206	Req	<b>Information Type</b> The message byte 43 shall be set to 0x1A.	007900 310900																		
Eu.SCI-CC.PDI.3207	Req	<b>Signal Area ID</b> Bytes 44 to 63 shall contain a unique Signal Area identity according to section 3.3.	007900 310900																		
Eu.SCI-CC.PDI.911	Req	<b>Auto Status</b> The message byte 64 shall be set to one of the following values: <table><tr><td>value</td><td>meaning</td></tr><tr><td>-----</td><td>-----</td></tr></table>	value	meaning	-----	-----	007900 310900														
value	meaning																				
-----	-----																				
Eu.SCI-CC.PDI.912	Req	0x01            area set to automatic operation	007900 310900																		
Eu.SCI-CC.PDI.913	Req	0x02            area not set to automatic operation	007900 310900																		
Eu.SCI-CC.PDI.3150	Head	<b>3.5.8 Operational train related functions</b>	Default																		
Eu.SCI-CC.PDI.706	Head	<b>3.5.8.1 Command “Update Train Running Number”</b>	007000																		
Eu.SCI-CC.PDI.2246	Info	This telegram refines the InformationFlow "Cd_Update_Train_Running_Number" specified in the requirements specification (ID Eu.CC.1995).	007000																		
Eu.SCI-CC.PDI.707	Info	Telegram definition for command “Update Train Running Number” <table><tr><th>Byte / Bit</th><th>Content</th></tr><tr><td>00</td><td>Protocol Type: 0x70 (1 Byte binary)</td></tr><tr><td>01..02</td><td>Message Type: 0x0050 or 0x0055 (2 Bytes binary)</td></tr><tr><td>03..22</td><td>Sender: TCS Identifier (20 Bytes text)</td></tr><tr><td>23..42</td><td>Receiver: ILS Identifier (20 Bytes text)</td></tr><tr><td>43..44</td><td>TAN (2 Bytes binary)</td></tr><tr><td>45</td><td>Information Type: 0x81 (1 Byte binary)</td></tr><tr><td>46..65</td><td>Existing Operational Train ID (20 Byte text)</td></tr><tr><td>66..85</td><td>New Operational Train ID (20 Byte text)</td></tr></table>	Byte / Bit	Content	00	Protocol Type: 0x70 (1 Byte binary)	01..02	Message Type: 0x0050 or 0x0055 (2 Bytes binary)	03..22	Sender: TCS Identifier (20 Bytes text)	23..42	Receiver: ILS Identifier (20 Bytes text)	43..44	TAN (2 Bytes binary)	45	Information Type: 0x81 (1 Byte binary)	46..65	Existing Operational Train ID (20 Byte text)	66..85	New Operational Train ID (20 Byte text)	007000
Byte / Bit	Content																				
00	Protocol Type: 0x70 (1 Byte binary)																				
01..02	Message Type: 0x0050 or 0x0055 (2 Bytes binary)																				
03..22	Sender: TCS Identifier (20 Bytes text)																				
23..42	Receiver: ILS Identifier (20 Bytes text)																				
43..44	TAN (2 Bytes binary)																				
45	Information Type: 0x81 (1 Byte binary)																				
46..65	Existing Operational Train ID (20 Byte text)																				
66..85	New Operational Train ID (20 Byte text)																				
Eu.SCI-CC.PDI.708	Req	<b>Message Type</b> Bytes 01 and 02 shall be set to 0x0050 or 0x0055 as defined in section 3.4.1.	007000																		
Eu.SCI-CC.PDI.709	Req	<b>Sender Identifier</b> The message bytes 03..22 shall contain the technical identifier of the TCS according to section 3.2.	007000																		
Eu.SCI-CC.PDI.710	Req	<b>Receiver Identifier</b> The message bytes 23..42 shall contain the technical identifier of the Subsystem - Electronic Interlocking according to section 3.2.	007000																		

ID	Type	Requirement	Appl.																
Eu.SCI-CC.PDI.3371	Req	<b>TAN</b> Bytes 43 and 44 shall contain a unique transaction number of the command. If the Message Type is set to 0x0055, the transaction number shall be equal to the transaction number used in the command that is being confirmed (see section 3.4.1).	007000																
Eu.SCI-CC.PDI.711	Req	<b>Information Type</b> Byte 45 shall be set to 0x81.	007000																
Eu.SCI-CC.PDI.712	Req	<b>Existing Operational Train ID</b> Bytes 46 to 65 shall contain a unique operational train identity, according to section 3.3, representing the existing Train ID for which the command is intended.	007000																
Eu.SCI-CC.PDI.713	Req	<b>New Operational Train ID</b> Bytes 66 to 85 shall contain a unique operational train identity, according to section 3.3, representing the new Train ID.	007000																
Eu.SCI-CC.PDI.228	Head	<b>3.5.8.2 Command “Manual Deletion Of Train Data”</b>	007600																
Eu.SCI-CC.PDI.2213	Info	This telegram refines the InformationFlow "Cd_Manual_Deletion_Of_Train_Data" specified in the requirements specification (ID Eu.CC.1994).	007600																
Eu.SCI-CC.PDI.229	Info	Telegram definition for command “Manual Deletion Of Train Data” <table><tr><th>Byte / Bit</th><th>Content</th></tr><tr><td>00</td><td>Protocol Type: 0x70 (1 Byte binary)</td></tr><tr><td>01..02</td><td>Message Type: 0x0050 or 0X0055 (2 Bytes binary)</td></tr><tr><td>03..22</td><td>Sender: TCS Identifier (20 Bytes text)</td></tr><tr><td>23..42</td><td>Receiver: ILS Identifier (20 Bytes text)</td></tr><tr><td>43..44</td><td>TAN (2 Bytes binary)</td></tr><tr><td>45</td><td>Information Type: 0x0F (1 Byte binary)</td></tr><tr><td>46..65</td><td>Onboard ID (20 Bytes text)</td></tr></table>	Byte / Bit	Content	00	Protocol Type: 0x70 (1 Byte binary)	01..02	Message Type: 0x0050 or 0X0055 (2 Bytes binary)	03..22	Sender: TCS Identifier (20 Bytes text)	23..42	Receiver: ILS Identifier (20 Bytes text)	43..44	TAN (2 Bytes binary)	45	Information Type: 0x0F (1 Byte binary)	46..65	Onboard ID (20 Bytes text)	007600
Byte / Bit	Content																		
00	Protocol Type: 0x70 (1 Byte binary)																		
01..02	Message Type: 0x0050 or 0X0055 (2 Bytes binary)																		
03..22	Sender: TCS Identifier (20 Bytes text)																		
23..42	Receiver: ILS Identifier (20 Bytes text)																		
43..44	TAN (2 Bytes binary)																		
45	Information Type: 0x0F (1 Byte binary)																		
46..65	Onboard ID (20 Bytes text)																		
Eu.SCI-CC.PDI.230	Req	<b>Message Type</b> Bytes 01 and 02 shall be set to 0x0050 or 0x0055 as defined in section 3.4.1.	007600																
Eu.SCI-CC.PDI.231	Req	<b>Sender Identifier</b> The message bytes 03..22 shall contain the technical identifier of the TCS according to section 3.2.	007600																
Eu.SCI-CC.PDI.232	Req	<b>Receiver Identifier</b> The message bytes 23..42 shall contain the technical identifier of the Subsystem - Electronic Interlocking according to section 3.2.	007600																
Eu.SCI-CC.PDI.3372	Req	<b>TAN</b> Bytes 43 and 44 shall contain a unique transaction number of the command. If the Message Type is set to 0x0055, the transaction number shall be equal to the transaction number used in the command that is being confirmed (see section 3.4.1).	007600																
Eu.SCI-CC.PDI.233	Req	<b>Information Type</b> Byte 45 shall be set to 0x0F	007600																
Eu.SCI-CC.PDI.234	Req	<b>Onboard ID</b> Bytes 46..65 shall contain a unique onboard identity according to Eu.SCI-CC.PDI.3728.	007600																
Eu.SCI-CC.PDI.1491	Head	<b>3.5.8.3 Message “Train Definition Deleted”</b>	007000 007600																
Eu.SCI-CC.PDI.2275	Info	This telegram refines the InformationFlow "Msg_Train_Definition_Deleted" specified in the requirements specification (ID Eu.CC.1996).	007000 007600																
Eu.SCI-CC.PDI.1492	Info	Telegram definition for status message “Train Definition Deleted” <table><tr><th>Byte / Bit</th><th>Content</th></tr><tr><td>00</td><td>Protocol Type: 0x70 (1 Byte binary)</td></tr><tr><td>01..02</td><td>Message Type: 0x0040 (2 Bytes binary)</td></tr><tr><td>03..22</td><td>Sender: ILS Identifier (20 Bytes text)</td></tr><tr><td>23..42</td><td>Receiver: TCS Identifier (20 Bytes text)</td></tr><tr><td>43</td><td>Information Type: 0x17 (1 Byte binary)</td></tr><tr><td>44..63</td><td>Onboard ID (20 Bytes text)</td></tr></table>	Byte / Bit	Content	00	Protocol Type: 0x70 (1 Byte binary)	01..02	Message Type: 0x0040 (2 Bytes binary)	03..22	Sender: ILS Identifier (20 Bytes text)	23..42	Receiver: TCS Identifier (20 Bytes text)	43	Information Type: 0x17 (1 Byte binary)	44..63	Onboard ID (20 Bytes text)	007000 007600		
Byte / Bit	Content																		
00	Protocol Type: 0x70 (1 Byte binary)																		
01..02	Message Type: 0x0040 (2 Bytes binary)																		
03..22	Sender: ILS Identifier (20 Bytes text)																		
23..42	Receiver: TCS Identifier (20 Bytes text)																		
43	Information Type: 0x17 (1 Byte binary)																		
44..63	Onboard ID (20 Bytes text)																		
Eu.SCI-CC.PDI.1493	Req	<b>Message Type</b> Bytes 01 and 02 shall be set to 0x0040.	007000 007600																
Eu.SCI-CC.PDI.1494	Req	<b>Sender Identifier</b> The message bytes 03..22 shall contain the technical identifier of the Subsystem - Electronic Interlocking according to section 3.2.	007000 007600																
Eu.SCI-CC.PDI.1495	Req	<b>Receiver Identifier</b> The message bytes 23..42 shall contain the technical identifier of the TCS according to section 3.2.	007000 007600																

ID	Type	Requirement	Appl.																
Eu.SCI-CC.PDI.1496	Req	<b>Information Type</b> The message byte 43 shall be set to 0x17.	007000 007600																
Eu.SCI-CC.PDI.1497	Req	<b>Onboard ID</b> Bytes 44..63 shall contain a unique onboard identity according to Eu.SCI-CC.PDI.3728.	007000 007600																
Eu.SCI-CC.PDI.3151	Head	<b>3.5.9 ERTMS train related functions</b>	Default																
Eu.SCI-CC.PDI.2631	Head	<b>3.5.9.1 Command "Release Movement Authority"</b>	007000																
Eu.SCI-CC.PDI.2632	Info	This telegram refines the InformationFlow "Cd_Release_Movement_Authority" specified in the requirements specification (ID Eu.CC.1977).	007000																
Eu.SCI-CC.PDI.2633	Info	Telegram definition for status command “Release Movement Authority” <table><tr><th>Byte / Bit</th><th>Content</th></tr><tr><td>00</td><td>Protocol Type: 0x70 (1 Byte binary)</td></tr><tr><td>01..02</td><td>Message Type: 0x0050 or 0x0055 (2 Bytes binary)</td></tr><tr><td>03..22</td><td>Sender: TCS Identifier (20 Bytes text)</td></tr><tr><td>23..42</td><td>Receiver: ILS Identifier (20 Bytes text)</td></tr><tr><td>43..44</td><td>TAN (2 Bytes binary)</td></tr><tr><td>45</td><td>Information Type: 0x2C (1 Byte binary)</td></tr><tr><td>46..65</td><td>Onboard ID (20 Bytes text)</td></tr></table>	Byte / Bit	Content	00	Protocol Type: 0x70 (1 Byte binary)	01..02	Message Type: 0x0050 or 0x0055 (2 Bytes binary)	03..22	Sender: TCS Identifier (20 Bytes text)	23..42	Receiver: ILS Identifier (20 Bytes text)	43..44	TAN (2 Bytes binary)	45	Information Type: 0x2C (1 Byte binary)	46..65	Onboard ID (20 Bytes text)	007000
Byte / Bit	Content																		
00	Protocol Type: 0x70 (1 Byte binary)																		
01..02	Message Type: 0x0050 or 0x0055 (2 Bytes binary)																		
03..22	Sender: TCS Identifier (20 Bytes text)																		
23..42	Receiver: ILS Identifier (20 Bytes text)																		
43..44	TAN (2 Bytes binary)																		
45	Information Type: 0x2C (1 Byte binary)																		
46..65	Onboard ID (20 Bytes text)																		
Eu.SCI-CC.PDI.2634	Req	<b>Message Type</b> Bytes 01 and 02 shall be set to 0x0050 or 0x0055.	007000																
Eu.SCI-CC.PDI.2635	Req	<b>Sender Identifier</b> The message bytes 03..22 shall contain the technical identifier of the TCS according to section 3.2.	007000																
Eu.SCI-CC.PDI.2636	Req	<b>Receiver Identifier</b> The message bytes 23..42 shall contain the technical identifier of the Subsystem - Electronic Interlocking according to section 3.2.	007000																
Eu.SCI-CC.PDI.3373	Req	<b>TAN</b> Bytes 43 and 44 shall contain a unique transaction number of the command. If the Message Type is set to 0x0055, the transaction number shall be equal to the transaction number used in the command that is being confirmed (see section 3.4.1).	007000																
Eu.SCI-CC.PDI.2637	Req	<b>Information Type</b> The message byte 45 shall be set to 0x2C.	007000																
Eu.SCI-CC.PDI.2638	Req	<b>Onboard ID</b> Bytes 46..65 shall contain a unique onboard identity according to Eu.SCI-CC.PDI.3728.	007000																
Eu.SCI-CC.PDI.197	Head	<b>3.5.9.2 Command “Remove Emergency Stop For The Train”</b>	007000 007600																
Eu.SCI-CC.PDI.2209	Info	This telegram refines the InformationFlow "Cd_Remove_Emergency_Stop_For_The_Train" specified in the requirements specification (ID Eu.CC.1978).	007000 007600																
Eu.SCI-CC.PDI.198	Info	Telegram definition for command “Remove Emergency Stop For The Train” <table><tr><th>Byte / Bit</th><th>Content</th></tr><tr><td>00</td><td>Protocol Type: 0x70 (1 Byte binary)</td></tr><tr><td>01..02</td><td>Message Type: 0x0050 or 0X0055 (2 Bytes binary)</td></tr><tr><td>03..22</td><td>Sender: TCS Identifier (20 Bytes text)</td></tr><tr><td>23..42</td><td>Receiver: ILS Identifier (20 Bytes text)</td></tr><tr><td>43..44</td><td>TAN (2 Bytes binary)</td></tr><tr><td>45</td><td>Information Type: 0x03 (1 Byte binary)</td></tr><tr><td>46..65</td><td>Onboard ID (20 Bytes text)</td></tr></table>	Byte / Bit	Content	00	Protocol Type: 0x70 (1 Byte binary)	01..02	Message Type: 0x0050 or 0X0055 (2 Bytes binary)	03..22	Sender: TCS Identifier (20 Bytes text)	23..42	Receiver: ILS Identifier (20 Bytes text)	43..44	TAN (2 Bytes binary)	45	Information Type: 0x03 (1 Byte binary)	46..65	Onboard ID (20 Bytes text)	007000 007600
Byte / Bit	Content																		
00	Protocol Type: 0x70 (1 Byte binary)																		
01..02	Message Type: 0x0050 or 0X0055 (2 Bytes binary)																		
03..22	Sender: TCS Identifier (20 Bytes text)																		
23..42	Receiver: ILS Identifier (20 Bytes text)																		
43..44	TAN (2 Bytes binary)																		
45	Information Type: 0x03 (1 Byte binary)																		
46..65	Onboard ID (20 Bytes text)																		
Eu.SCI-CC.PDI.199	Req	<b>Message Type</b> Bytes 01 and 02 shall be set to 0x0050 or 0x0055 as defined in section 3.4.1.	007000 007600																
Eu.SCI-CC.PDI.200	Req	<b>Sender Identifier</b> The message bytes 03..22 shall contain the technical identifier of the TCS according to section 3.2.	007000 007600																
Eu.SCI-CC.PDI.201	Req	<b>Receiver Identifier</b> The message bytes 23..42 shall contain the technical identifier of the Subsystem - Electronic Interlocking according to section 3.2.	007000 007600																
Eu.SCI-CC.PDI.3374	Req	<b>TAN</b> Bytes 43 and 44 shall contain a unique transaction number of the command. If the Message Type is set to 0x0055, the transaction number shall be equal to the transaction number used in the command that is being confirmed (see section 3.4.1).	007000 007600																

ID	Type	Requirement		Appl.																		
Eu.SCI-CC.PDI.202	Req	<b>Information Type</b> Byte 45 shall be set to 0x03.		007000 007600																		
Eu.SCI-CC.PDI.203	Req	<b>Onboard ID</b> Bytes 46 to 65 shall contain a unique onboard identity according to Eu.SCI-CC.PDI.3728.		007000 007600																		
Eu.SCI-CC.PDI.214	Head	<b>3.5.9.3 Command “Authorise SH Mode For Train”</b>		007000 007600																		
Eu.SCI-CC.PDI.2211	Info	This telegram refines the InformationFlow "Cd_Authorise_SH_Mode_For_Train" specified in the requirements specification (ID Eu.CC.2036).		007000 007600																		
Eu.SCI-CC.PDI.215	Info	Telegram definition for command “Authorise SH Mode For Train” <table><tr><th>Byte / Bit</th><th>Content</th></tr><tr><td>00</td><td>Protocol Type: 0x70 (1 Byte binary)</td></tr><tr><td>01..02</td><td>Message Type: 0x0050 or 0X0055 (2 Bytes binary)</td></tr><tr><td>03..22</td><td>Sender: TCS Identifier (20 Bytes text)</td></tr><tr><td>23..42</td><td>Receiver: ILS Identifier (20 Bytes text)</td></tr><tr><td>43..44</td><td>TAN (2 Bytes binary)</td></tr><tr><td>45</td><td>Information Type: 0x0B (1 Byte binary)</td></tr><tr><td>46..65</td><td>Onboard ID (20 Bytes text)</td></tr><tr><td>66</td><td>Instruction (1 Byte text)</td></tr></table>		Byte / Bit	Content	00	Protocol Type: 0x70 (1 Byte binary)	01..02	Message Type: 0x0050 or 0X0055 (2 Bytes binary)	03..22	Sender: TCS Identifier (20 Bytes text)	23..42	Receiver: ILS Identifier (20 Bytes text)	43..44	TAN (2 Bytes binary)	45	Information Type: 0x0B (1 Byte binary)	46..65	Onboard ID (20 Bytes text)	66	Instruction (1 Byte text)	007000 007600
Byte / Bit	Content																					
00	Protocol Type: 0x70 (1 Byte binary)																					
01..02	Message Type: 0x0050 or 0X0055 (2 Bytes binary)																					
03..22	Sender: TCS Identifier (20 Bytes text)																					
23..42	Receiver: ILS Identifier (20 Bytes text)																					
43..44	TAN (2 Bytes binary)																					
45	Information Type: 0x0B (1 Byte binary)																					
46..65	Onboard ID (20 Bytes text)																					
66	Instruction (1 Byte text)																					
Eu.SCI-CC.PDI.216	Req	<b>Message Type</b> Bytes 01 and 02 shall be set to 0x0050 or 0x0055 as defined in section 3.4.1.		007000 007600																		
Eu.SCI-CC.PDI.217	Req	<b>Sender Identifier</b> The message bytes 03..22 shall contain the technical identifier of the TCS according to section 3.2.		007000 007600																		
Eu.SCI-CC.PDI.218	Req	<b>Receiver Identifier</b> The message bytes 23..42 shall contain the technical identifier of the Subsystem - Electronic Interlocking according to section 3.2.		007000 007600																		
Eu.SCI-CC.PDI.3375	Req	<b>TAN</b> Bytes 43 and 44 shall contain a unique transaction number of the command. If the Message Type is set to 0x0055, the transaction number shall be equal to the transaction number used in the command that is being confirmed (see section 3.4.1).		007000 007600																		
Eu.SCI-CC.PDI.219	Req	<b>Information Type</b> Byte 45 shall be set to 0x0B.		007000 007600																		
Eu.SCI-CC.PDI.220	Req	<b>Onboard ID</b> Bytes 46 to 65 shall contain a unique onboard identity according to Eu.SCI-CC.PDI.3728.		007000 007600																		
Eu.SCI-CC.PDI.2670	Req	<b>Instruction</b> The message byte 66 shall be set to one of the following values: <table><tr><td>value</td><td>meaning</td></tr><tr><td>-----</td><td>-----</td></tr></table>		value	meaning	-----	-----	007000 007600														
value	meaning																					
-----	-----																					
Eu.SCI-CC.PDI.2671	Req	0x01	Reject.	007000																		
Eu.SCI-CC.PDI.2672	Req	0x02	Authorisation to enter SH.	007000																		
Eu.SCI-CC.PDI.3006	Req	0xFF	Instruction not applicable.	007600																		
Eu.SCI-CC.PDI.570	Head	<b>3.5.9.4 Command “Operational Reversing”</b>		007000 007600																		
Eu.SCI-CC.PDI.2232	Info	This telegram refines the InformationFlow "Cd_Operational_Reversing" specified in the requirements specification (ID Eu.CC.1976).		007000 007600																		
Eu.SCI-CC.PDI.571	Info	Telegram definition for command “Operational Reversing”		007000 007600																		

ID	Type	Requirement		Appl.																			
		<table><tr><th>Byte / Bit</th><th>Content</th></tr><tr><td>00</td><td>Protocol Type: 0x70 (1 Byte binary)</td></tr><tr><td>01..02</td><td>Message Type: 0x0050 or 0X0055 (2 Bytes binary)</td></tr><tr><td>03..22</td><td>Sender: TCS Identifier (20 Bytes text)</td></tr><tr><td>23..42</td><td>Receiver: ILS Identifier (20 Bytes text)</td></tr><tr><td>43..44</td><td>TAN (2 Bytes binary)</td></tr><tr><td>45</td><td>Information Type: 0x7D (1 Byte binary)</td></tr><tr><td>46..65</td><td>Onboard ID (20 Bytes text)</td></tr><tr><td>66</td><td>Reverse Distance scale (1 Byte binary)</td></tr><tr><td>67..68</td><td>Reverse Distance (2 Bytes binary)</td></tr></table>	Byte / Bit	Content	00	Protocol Type: 0x70 (1 Byte binary)	01..02	Message Type: 0x0050 or 0X0055 (2 Bytes binary)	03..22	Sender: TCS Identifier (20 Bytes text)	23..42	Receiver: ILS Identifier (20 Bytes text)	43..44	TAN (2 Bytes binary)	45	Information Type: 0x7D (1 Byte binary)	46..65	Onboard ID (20 Bytes text)	66	Reverse Distance scale (1 Byte binary)	67..68	Reverse Distance (2 Bytes binary)	
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66	Reverse Distance scale (1 Byte binary)																						
67..68	Reverse Distance (2 Bytes binary)																						
Eu.SCI-CC.PDI.572	Req	<b>Message Type</b> Bytes 01 and 02 shall be set to 0x0050 or 0x0055 as defined in section 3.4.1.		007000 007600																			
Eu.SCI-CC.PDI.573	Req	<b>Sender Identifier</b> The message bytes 03..22 shall contain the technical identifier of the TCS according to section 3.2.		007000 007600																			
Eu.SCI-CC.PDI.574	Req	<b>Receiver Identifier</b> The message bytes 23..42 shall contain the technical identifier of the Subsystem - Electronic Interlocking according to section 3.2.		007000 007600																			
Eu.SCI-CC.PDI.3376	Req	<b>TAN</b> Bytes 43 and 44 shall contain a unique transaction number of the command. If the Message Type is set to 0x0055, the transaction number shall be equal to the transaction number used in the command that is being confirmed (see section 3.4.1).		007000 007600																			
Eu.SCI-CC.PDI.575	Req	<b>Information Type</b> Byte 45 shall be set to 0x7D		007000 007600																			
Eu.SCI-CC.PDI.576	Req	<b>Onboard ID</b> Bytes 46 to 65 shall contain a unique onboard identity according to Eu.SCI-CC.PDI.3728.		007000 007600																			
Eu.SCI-CC.PDI.2539	Req	<b>Reverse Distance Scale</b> The message byte 66 shall be set to one of the following values, representing the scale of the parameter Reverse Distance:  <table><tr><td>value</td><td>meaning</td></tr><tr><td>-----</td><td>-----</td></tr></table>		value	meaning	-----	-----	007000 007600															
value	meaning																						
-----	-----																						
Eu.SCI-CC.PDI.2540	Req	0x01	Reverse distance in 10 cm increments	007000																			
Eu.SCI-CC.PDI.2541	Req	0x02	Reverse distance in 1 m increments	007000 007600																			
Eu.SCI-CC.PDI.2542	Req	0x03	Reverse distance in 10 m increments	007000																			
Eu.SCI-CC.PDI.577	Req	<b>Reverse Distance</b> The message bytes 67 and 68 shall be set to one of the following values, representing the permitted distance of a reversing movement:  <table><tr><td>value</td><td>meaning</td></tr><tr><td>-----</td><td>-----</td></tr></table>		value	meaning	-----	-----	007000 007600															
value	meaning																						
-----	-----																						
Eu.SCI-CC.PDI.578	Req	0x0000..0xFFFE Reverse distance (increments depending on Reverse Distance Scale)		007000																			
Eu.SCI-CC.PDI.2543	Req	0xFFFF	Reverse distance not applicable	007000 007600																			
Eu.SCI-CC.PDI.698	Head	<b>3.5.9.5 Command “Enter Event Text”</b>		007600 007900																			
Eu.SCI-CC.PDI.2245	Info	This telegram refines the InformationFlow "Cd_Enter_Event_Text" specified in the requirements specification (ID Eu.CC.1962).		007600 007900																			
Eu.SCI-CC.PDI.699	Info	Telegram definition for command “Enter Event Text”		007600 007900																			

ID	Type	Requirement		Appl.																			
		<table><tr><th>Byte / Bit</th><th>Content</th></tr><tr><td>00</td><td>Protocol Type: 0x70 (1 Byte binary)</td></tr><tr><td>01..02</td><td>Message Type: 0x0050 or 0x0055 (2 Bytes binary)</td></tr><tr><td>03..22</td><td>Sender: TCS Identifier (20 Bytes text)</td></tr><tr><td>23..42</td><td>Receiver: ILS Identifier (20 Bytes text)</td></tr><tr><td>43..44</td><td>TAN (2 Bytes binary)</td></tr><tr><td>45</td><td>Information Type: 0x80 (1 Byte binary)</td></tr><tr><td>46..65</td><td>Onboard ID (20 Bytes text)</td></tr><tr><td>66</td><td>Text length (1 Byte binary)</td></tr><tr><td>67..67+n-1</td><td>Text message (n Bytes binary)</td></tr></table>	Byte / Bit	Content	00	Protocol Type: 0x70 (1 Byte binary)	01..02	Message Type: 0x0050 or 0x0055 (2 Bytes binary)	03..22	Sender: TCS Identifier (20 Bytes text)	23..42	Receiver: ILS Identifier (20 Bytes text)	43..44	TAN (2 Bytes binary)	45	Information Type: 0x80 (1 Byte binary)	46..65	Onboard ID (20 Bytes text)	66	Text length (1 Byte binary)	67..67+n-1	Text message (n Bytes binary)	
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46..65	Onboard ID (20 Bytes text)																						
66	Text length (1 Byte binary)																						
67..67+n-1	Text message (n Bytes binary)																						
Eu.SCI-CC.PDI.700	Req	<b>Message Type</b> Bytes 01 and 02 shall be set to 0x0050 or 0x0055 as defined in section 3.4.1.	007600 007900																				
Eu.SCI-CC.PDI.701	Req	<b>Sender Identifier</b> The message bytes 03..22 shall contain the technical identifier of the TCS according to section 3.2.	007600 007900																				
Eu.SCI-CC.PDI.702	Req	<b>Receiver Identifier</b> The message bytes 23..42 shall contain the technical identifier of the Subsystem - Electronic Interlocking according to section 3.2.	007600 007900																				
Eu.SCI-CC.PDI.3383	Req	<b>TAN</b> Bytes 43 and 44 shall contain a unique transaction number of the command. If the Message Type is set to 0x0055, the transaction number shall be equal to the transaction number used in the command that is being confirmed (see section 3.4.1).	007600 007900																				
Eu.SCI-CC.PDI.703	Req	<b>Information Type</b> Byte 45 shall be set to 0x80.	007600 007900																				
Eu.SCI-CC.PDI.3663	Req	<b>Onboard ID</b> Bytes 46 to 65 shall contain a unique onboard identity according to Eu.SCI-CC.PDI.3728.	007600 007900																				
Eu.SCI-CC.PDI.704	Req	<b>Text</b> Byte 66 shall contain text length, expressing the number of following bytes (from 1 until 255).	007600 007900																				
Eu.SCI-CC.PDI.4051	Req	<b>Text message</b> The Bytes 67 ... 67+n-1 shall contain the text message information in binary form, least significant byte first.	007600 007900																				
Eu.SCI-CC.PDI.1414	Head	<b>3.5.9.6 Message “Train Data Report”</b>	007000 007600																				
Eu.SCI-CC.PDI.2271	Info	This telegram refines the InformationFlow "Msg_Train_Data_Report" specified in the requirements specification (ID Eu.CC.1979).	007000 007600																				
Eu.SCI-CC.PDI.1415	Info	Telegram definition for status message “Train Data Report”	007000 007600																				

ID	Type	Requirement		Appl.																																																																				
		<table><tr><th>Byte / Bit</th><th>Content</th></tr><tr><td>00</td><td>Protocol Type: 0x70 (1 Byte binary)</td></tr><tr><td>01..02</td><td>Message Type: 0x0040 (2 Bytes binary)</td></tr><tr><td>03..22</td><td>Sender: ILS Identifier (20 Bytes text)</td></tr><tr><td>23..42</td><td>Receiver: TCS Identifier (20 Bytes text)</td></tr><tr><td>43</td><td>Information Type: 0x14 (1 Byte binary)</td></tr><tr><td>44..63</td><td>Onboard ID (20 Bytes text)</td></tr><tr><td>64</td><td>Cant Deficiency (1 Byte binary)</td></tr><tr><td>65..66</td><td>Train Category (2 Bytes binary)</td></tr><tr><td>67..68</td><td>Train Length (2 Bytes binary)</td></tr><tr><td>69</td><td>Max Speed (1 Byte binary)</td></tr><tr><td>70..71</td><td>Loading Gauge Profile (2 Bytes binary)</td></tr><tr><td>72</td><td>Axle Load Category (1 Byte binary)</td></tr><tr><td>73</td><td>Airtight (1 Byte binary)</td></tr><tr><td>74..75</td><td>Axles (2 Bytes binary)</td></tr><tr><td>76</td><td>Traction Type Voltage 1 (1 Byte binary)</td></tr><tr><td>77..78</td><td>Traction Type National 1 (2 Bytes binary)</td></tr><tr><td>79</td><td>Traction Type Voltage 2 (1 Byte binary)</td></tr><tr><td>80..81</td><td>Traction Type National 2 (2 Bytes binary)</td></tr><tr><td>82</td><td>Traction Type Voltage 3 (1 Byte binary)</td></tr><tr><td>83..84</td><td>Traction Type National 3 (2 Bytes binary)</td></tr><tr><td>85</td><td>Traction Type Voltage 4 (1 Byte binary)</td></tr><tr><td>86..87</td><td>Traction Type National 4 (2 Bytes binary)</td></tr><tr><td>88</td><td>Traction Type Voltage 5 (1 Byte binary)</td></tr><tr><td>89..90</td><td>Traction Type National 5 (2 Bytes binary)</td></tr><tr><td>91</td><td>Traction Type Voltage 6 (1 Byte binary)</td></tr><tr><td>92..93</td><td>Traction Type National 6 (2 Bytes binary)</td></tr><tr><td>94..95</td><td>NTC Type 1 (2 Bytes binary)</td></tr><tr><td>96..97</td><td>NTC Type 2 (2 Bytes binary)</td></tr><tr><td>98..99</td><td>NTC Type 3 (2 Bytes binary)</td></tr><tr><td>100..101</td><td>NTC Type 4 (2 Bytes binary)</td></tr><tr><td>102..103</td><td>NTC Type 5 (2 Bytes binary)</td></tr><tr><td>104..105</td><td>NTC Type 6 (2 Bytes binary)</td></tr><tr><td>106..125</td><td>Operation Train ID (20 Bytes text)</td></tr></table>	Byte / Bit	Content	00	Protocol Type: 0x70 (1 Byte binary)	01..02	Message Type: 0x0040 (2 Bytes binary)	03..22	Sender: ILS Identifier (20 Bytes text)	23..42	Receiver: TCS Identifier (20 Bytes text)	43	Information Type: 0x14 (1 Byte binary)	44..63	Onboard ID (20 Bytes text)	64	Cant Deficiency (1 Byte binary)	65..66	Train Category (2 Bytes binary)	67..68	Train Length (2 Bytes binary)	69	Max Speed (1 Byte binary)	70..71	Loading Gauge Profile (2 Bytes binary)	72	Axle Load Category (1 Byte binary)	73	Airtight (1 Byte binary)	74..75	Axles (2 Bytes binary)	76	Traction Type Voltage 1 (1 Byte binary)	77..78	Traction Type National 1 (2 Bytes binary)	79	Traction Type Voltage 2 (1 Byte binary)	80..81	Traction Type National 2 (2 Bytes binary)	82	Traction Type Voltage 3 (1 Byte binary)	83..84	Traction Type National 3 (2 Bytes binary)	85	Traction Type Voltage 4 (1 Byte binary)	86..87	Traction Type National 4 (2 Bytes binary)	88	Traction Type Voltage 5 (1 Byte binary)	89..90	Traction Type National 5 (2 Bytes binary)	91	Traction Type Voltage 6 (1 Byte binary)	92..93	Traction Type National 6 (2 Bytes binary)	94..95	NTC Type 1 (2 Bytes binary)	96..97	NTC Type 2 (2 Bytes binary)	98..99	NTC Type 3 (2 Bytes binary)	100..101	NTC Type 4 (2 Bytes binary)	102..103	NTC Type 5 (2 Bytes binary)	104..105	NTC Type 6 (2 Bytes binary)	106..125	Operation Train ID (20 Bytes text)		
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106..125	Operation Train ID (20 Bytes text)																																																																							
Eu.SCI-CC.PDI.1416	Req	<b>Message Type</b> Bytes 01 and 02 shall be set to 0x0040.		007000 007600																																																																				
Eu.SCI-CC.PDI.1417	Req	<b>SenderIdentifier</b> The message bytes 03..22 shall contain the technical identifier of the Subsystem - Electronic Interlocking according to section 3.2.		007000 007600																																																																				
Eu.SCI-CC.PDI.1418	Req	<b>Receiver Identifier</b> The message bytes 23..42 shall contain the technical identifier of the TCS according to section 3.2.		007000 007600																																																																				
Eu.SCI-CC.PDI.1419	Req	<b>Information Type</b> The message byte 43 shall be set to 0x14.		007000 007600																																																																				
Eu.SCI-CC.PDI.2318	Req	<b>Onboard ID</b> Bytes 44 to 63 shall contain a unique onboard identity according to Eu.SCI-CC.PDI.3728.		007000 007600																																																																				
Eu.SCI-CC.PDI.1423	Req	<b>Cant Deficiency</b> Byte 64 shall be set to one of the following values, representing the cant deficiency category of the train:  <table><tr><td>value</td><td>meaning</td></tr><tr><td>-----</td><td>-----</td></tr></table>		value	meaning	-----	-----	007000 007600																																																																
value	meaning																																																																							
-----	-----																																																																							
Eu.SCI-CC.PDI.3113	Req	0x80	80 mm	007000 007600																																																																				
Eu.SCI-CC.PDI.3114	Req	0x81	100 mm	007000 007600																																																																				
Eu.SCI-CC.PDI.3115	Req	0x82	130 mm	007000 007600																																																																				
Eu.SCI-CC.PDI.3116	Req	0x83	150 mm	007000 007600																																																																				
Eu.SCI-CC.PDI.3117	Req	0x84	165 mm	007000 007600																																																																				



ID	Type	Requirement	Appl.
Eu.SCI-CC.PDI.3118	Req	0x85180 mm	007000 007600
Eu.SCI-CC.PDI.3119	Req	0x86210 mm	007000 007600
Eu.SCI-CC.PDI.3120	Req	0x87225 mm	007000 007600
Eu.SCI-CC.PDI.3121	Req	0x88245 mm	007000 007600
Eu.SCI-CC.PDI.3122	Req	0x89275 mm	007000 007600
Eu.SCI-CC.PDI.3123	Req	0x8A300 mm	007000 007600
Eu.SCI-CC.PDI.3124	Req	0xFFCant Deficiency not applicable	007000
Eu.SCI-CC.PDI.1421	Req	<b>Train Category</b> Bytes 65 and 66 shall be set to one of the following values, representing the train category of the train:  value            meaning -----        -----	007000 007600
Eu.SCI-CC.PDI.3239	Req	0x8000train does not belong to any of the "Other International" Train Category	007000 007600
Eu.SCI-CC.PDI.3125	Req	0x8001freight train in "P" position	007000 007600
Eu.SCI-CC.PDI.3126	Req	0x8002freight train in "G" position	007000 007600
Eu.SCI-CC.PDI.3127	Req	0x8003freight train in "P" and "G" position	007000 007600
Eu.SCI-CC.PDI.3128	Req	0x8004passenger train	007000 007600
Eu.SCI-CC.PDI.3129	Req	0x8005passenger train and freight train in "P" position	007000 007600
Eu.SCI-CC.PDI.3130	Req	0x8006passenger train and freight train in "G" position	007000 007600
Eu.SCI-CC.PDI.3131	Req	0x8007passenger train and freight train in "P" and "G" position	007000 007600
Eu.SCI-CC.PDI.3132	Req	0xFFFFTrain Category not applicable	007000
Eu.SCI-CC.PDI.1425	Req	<b>Train Length</b> Bytes 67 and 68 shall contain a binary value between 0x0000 and 0xFFFFE representing the length of the train, as defined by national requirements.	007000 007600
Eu.SCI-CC.PDI.1426	Req	<b>Max Speed</b> Byte 69 shall contain a binary value between 0x00 and 0xFE representing the maximum permitted speed for the train in 5km/h increments.	007000 007600
Eu.SCI-CC.PDI.2597	Req	The value 0xFF shall be used where the Max Speed is unknown.	007000 007600
Eu.SCI-CC.PDI.1424	Req	<b>Loading Gauge Profile</b> Bytes 70 and 71 shall be set to one of the following values, representing the Loading Gauge Profile of the train:  value            meaning -----        -----	007000 007600
Eu.SCI-CC.PDI.3240	Req	0x8000train does not fit any loading gauge profile	007000 007600

ID	Type	Requirement		Appl.
Eu.SCI-CC.PDI.3241	Req	0x8001	G1	007000 007600
Eu.SCI-CC.PDI.3242	Req	0x8002	GA	007000 007600
Eu.SCI-CC.PDI.3243	Req	0x8003	GB	007000 007600
Eu.SCI-CC.PDI.3244	Req	0x8004	GC	007000 007600
Eu.SCI-CC.PDI.3245	Req	0x8100..0x81FF Loading Gauge Profiles as defined by national requirements		007000
Eu.SCI-CC.PDI.1422	Req	<b>Axle Load Category</b> Byte 72 shall be set to one of the following values, representing the Axle Load Categories of the train:		007000 007600
		value	meaning	
Eu.SCI-CC.PDI.3246	Req	0x80	A	007000 007600
Eu.SCI-CC.PDI.3247	Req	0x81	HS17	007000 007600
Eu.SCI-CC.PDI.3248	Req	0x82	B1	007000 007600
Eu.SCI-CC.PDI.3249	Req	0x83	B2	007000 007600
Eu.SCI-CC.PDI.3250	Req	0x84	C2	007000 007600
Eu.SCI-CC.PDI.3251	Req	0x85	C3	007000 007600
Eu.SCI-CC.PDI.3252	Req	0x86	C4	007000 007600
Eu.SCI-CC.PDI.3253	Req	0x87	D2	007000 007600
Eu.SCI-CC.PDI.3254	Req	0x88	D3	007000 007600
Eu.SCI-CC.PDI.3255	Req	0x89	D4	007000 007600
Eu.SCI-CC.PDI.3256	Req	0x8A	D4XL	007000 007600
Eu.SCI-CC.PDI.3257	Req	0x8B	E4	007000 007600
Eu.SCI-CC.PDI.3258	Req	0x8C	E5	007000 007600
Eu.SCI-CC.PDI.3259	Req	<b>Airtight</b> Byte 73 shall be set to one of the following values, representing whether or not the train is fitted with an airtight system:		007000 007600 310900 999900
		value	meaning	
Eu.SCI-CC.PDI.3260	Req	0x80	not fitted	007000 007600 310900
Eu.SCI-CC.PDI.3261	Req	0x81	fitted	007000 007600 310900

ID	Type	Requirement	Appl.
Eu.SCI-CC.PDI.3263	Req	0xFF            Airtight not applicable	007000 007600
Eu.SCI-CC.PDI.1427	Req	<b>Axles</b> Bytes 74 and 75 shall contain a binary value between 0x0000 and 0xFFFE representing the number of axles of the train.	007000 007600
Eu.SCI-CC.PDI.2561	Req	The value 0xFFFF shall be used where the number of axles is unknown.	007000 007600
Eu.SCI-CC.PDI.1420	Req	<b>Traction Type Voltage 1</b> Byte 76 shall be set to one of the following values, representing the traction type voltage of the train:  value            meaning -----        -----	007000 007600
Eu.SCI-CC.PDI.3264	Req	0x80            Line not fitted with any traction system	007000 007600
Eu.SCI-CC.PDI.3265	Req	0x81            AC 25 kV 50 Hz	007000 007600
Eu.SCI-CC.PDI.3266	Req	0x82            AC 15 kV 16.7 Hz	007000 007600
Eu.SCI-CC.PDI.3267	Req	0x83            DC 3 kV	007000 007600
Eu.SCI-CC.PDI.3268	Req	0x84            DC 1.5 kV	007000 007600
Eu.SCI-CC.PDI.3269	Req	0x85            DC 600/750 V	007000 007600
Eu.SCI-CC.PDI.3270	Req	<b>Traction Type National 1</b> Bytes 77 to 78 shall be set to one of the following values, representing the traction type national of the train:  value            meaning -----        -----	007000 007600
Eu.SCI-CC.PDI.3271	Req	0x8000..0x83FF Country identifier of the traction system as defined by national requirements	007000 007600
Eu.SCI-CC.PDI.3272	Req	0xFFFF            Traction Type National not applicable	007000 007600
Eu.SCI-CC.PDI.3273	Req	<b>Traction Type Voltage 2</b> Byte 79 shall be set to one of the following values, representing the traction type voltage of the train:  value            meaning -----        -----	007000 007600
Eu.SCI-CC.PDI.3274	Req	0x80            Line not fitted with any traction system	007000 007600
Eu.SCI-CC.PDI.3275	Req	0x81            AC 25 kV 50 Hz	007000 007600
Eu.SCI-CC.PDI.3276	Req	0x82            AC 15 kV 16.7 Hz	007000 007600
Eu.SCI-CC.PDI.3277	Req	0x83            DC 3 kV	007000 007600
Eu.SCI-CC.PDI.3278	Req	0x84            DC 1.5 kV	007000 007600
Eu.SCI-CC.PDI.3279	Req	0x85            DC 600/750 V	007000 007600
Eu.SCI-CC.PDI.3280	Req	<b>Traction Type National 2</b> Bytes 80 to 81 shall be set to one of the following values, representing the traction type national of the train:  value            meaning -----        -----	007000 007600

ID	Type	Requirement	Appl.
Eu.SCI-CC.PDI.3281	Req	0x8000..0x83FF Country identifier of the traction system as defined by national requirements	007000 007600
Eu.SCI-CC.PDI.3282	Req	0xFFFF Traction Type National not applicable	007000 007600
Eu.SCI-CC.PDI.3283	Req	<b>Traction Type Voltage 3</b> Byte 82 shall be set to one of the following values, representing the traction type voltage of the train:  value            meaning -----        -----	007000 007600
Eu.SCI-CC.PDI.3284	Req	0x80 Line not fitted with any traction system	007000 007600
Eu.SCI-CC.PDI.3285	Req	0x81 AC 25 kV 50 Hz	007000 007600
Eu.SCI-CC.PDI.3286	Req	0x82 AC 15 kV 16.7 Hz	007000 007600
Eu.SCI-CC.PDI.3287	Req	0x83 DC 3 kV	007000 007600
Eu.SCI-CC.PDI.3288	Req	0x84 DC 1.5 kV	007000 007600
Eu.SCI-CC.PDI.3289	Req	0x85 DC 600/750 V	007000 007600
Eu.SCI-CC.PDI.3290	Req	<b>Traction Type National 3</b> Bytes 83 to 84 shall be set to one of the following values, representing the traction type national of the train:  value            meaning -----        -----	007000 007600
Eu.SCI-CC.PDI.3291	Req	0x8000..0x83FF Country identifier of the traction system as defined by national requirements	007000 007600
Eu.SCI-CC.PDI.3292	Req	0xFFFF Traction Type National not applicable	007000 007600
Eu.SCI-CC.PDI.3293	Req	<b>Traction Type Voltage 4</b> Byte 85 shall be set to one of the following values, representing the traction type voltage of the train:  value            meaning -----        -----	007000 007600
Eu.SCI-CC.PDI.3294	Req	0x80 Line not fitted with any traction system	007000 007600
Eu.SCI-CC.PDI.3295	Req	0x81 AC 25 kV 50 Hz	007000 007600
Eu.SCI-CC.PDI.3296	Req	0x82 AC 15 kV 16.7 Hz	007000 007600
Eu.SCI-CC.PDI.3297	Req	0x83 DC 3 kV	007000 007600
Eu.SCI-CC.PDI.3298	Req	0x84 DC 1.5 kV	007000 007600
Eu.SCI-CC.PDI.3299	Req	0x85 DC 600/750 V	007000 007600
Eu.SCI-CC.PDI.3300	Req	<b>Traction Type National 4</b> Bytes 86 to 87 shall be set to one of the following values, representing the traction type national of the train:  value            meaning -----        -----	007000 007600
Eu.SCI-CC.PDI.3301	Req	0x8000..0x83FF Country identifier of the traction system as defined by national requirements	007000 007600

ID	Type	Requirement	Appl.
Eu.SCI-CC.PDI.3302	Req	0xFFFF      Traction Type National not applicable	007000 007600
Eu.SCI-CC.PDI.3303	Req	<b>Traction Type Voltage 5</b> Byte 88 shall be set to one of the following values, representing the traction type voltage of the train:  value            meaning -----      -----	007000 007600
Eu.SCI-CC.PDI.3304	Req	0x80            Line not fitted with any traction system	007000 007600
Eu.SCI-CC.PDI.3305	Req	0x81            AC 25 kV 50 Hz	007000 007600
Eu.SCI-CC.PDI.3306	Req	0x82            AC 15 kV 16.7 Hz	007000 007600
Eu.SCI-CC.PDI.3307	Req	0x83            DC 3 kV	007000 007600
Eu.SCI-CC.PDI.3308	Req	0x84            DC 1.5 kV	007000 007600
Eu.SCI-CC.PDI.3309	Req	0x85            DC 600/750 V	007000 007600
Eu.SCI-CC.PDI.3310	Req	<b>Traction Type National 5</b> Bytes 89 to 90 shall be set to one of the following values, representing the traction type national of the train:  value            meaning -----      -----	007000 007600
Eu.SCI-CC.PDI.3311	Req	0x8000..0x83FF Country identifier of the traction system as defined by national requirements	007000 007600
Eu.SCI-CC.PDI.3312	Req	0xFFFF      Traction Type National not applicable	007000 007600
Eu.SCI-CC.PDI.3313	Req	<b>Traction Type Voltage 6</b> Byte 91 shall be set to one of the following values, representing the traction type voltage of the train:  value            meaning -----      -----	007000 007600
Eu.SCI-CC.PDI.3314	Req	0x80            Line not fitted with any traction system	007000 007600
Eu.SCI-CC.PDI.3315	Req	0x81            AC 25 kV 50 Hz	007000 007600
Eu.SCI-CC.PDI.3316	Req	0x82            AC 15 kV 16.7 Hz	007000 007600
Eu.SCI-CC.PDI.3317	Req	0x83            DC 3 kV	007000 007600
Eu.SCI-CC.PDI.3318	Req	0x84            DC 1.5 kV	007000 007600
Eu.SCI-CC.PDI.3319	Req	0x85            DC 600/750 V	007000 007600
Eu.SCI-CC.PDI.3320	Req	<b>Traction Type National 6</b> Bytes 92 to 93 shall be set to one of the following values, representing the traction type national of the train:  value            meaning -----      -----	007000 007600
Eu.SCI-CC.PDI.3321	Req	0x8000..0x83FF Country identifier of the traction system as defined by national requirements	007000 007600
Eu.SCI-CC.PDI.3322	Req	0xFFFF      Traction Type National not applicable	007000 007600

ID	Type	Requirement	Appl.
Eu.SCI-CC.PDI.3323	Req	<b>NTC Type 1</b> Bytes 94 to 95 shall be set to one of the following values, representing the NTC type of the train:  value            meaning -----    -----	007000 007600
Eu.SCI-CC.PDI.3324	Req	0x8000..0x80FF National System identity as defined by national requirements	007000 007600
Eu.SCI-CC.PDI.3325	Req	<b>NTC Type 2</b> Bytes 96 to 97 shall be set to one of the following values, representing the NTC type of the train:  value            meaning -----    -----	007000 007600
Eu.SCI-CC.PDI.3326	Req	0x8000..0x80FF National System identity as defined by national requirements	007000 007600
Eu.SCI-CC.PDI.3327	Req	<b>NTC Type 3</b> Bytes 98 to 99 shall be set to one of the following values, representing the NTC type of the train:  value            meaning -----    -----	007000 007600
Eu.SCI-CC.PDI.3328	Req	0x8000..0x80FF National System identity as defined by national requirements	007000 007600
Eu.SCI-CC.PDI.3329	Req	<b>NTC Type 4</b> Bytes 100 to 101 shall be set to one of the following values, representing the NTC type of the train:  value            meaning -----    -----	007000 007600
Eu.SCI-CC.PDI.3330	Req	0x8000..0x80FF National System identity as defined by national requirements	007000 007600
Eu.SCI-CC.PDI.3331	Req	<b>NTC Type 5</b> Bytes 102 to 103 shall be set to one of the following values, representing the NTC type of the train:  value            meaning -----    -----	007000 007600
Eu.SCI-CC.PDI.3332	Req	0x8000..0x80FF National System identity as defined by national requirements	007000 007600
Eu.SCI-CC.PDI.3333	Req	<b>NTC Type 6</b> Bytes 104 to 105 shall be set to one of the following values, representing the NTC type of the train:  value            meaning -----    -----	007000 007600
Eu.SCI-CC.PDI.3334	Req	0x8000..0x80FF National System identity as defined by national requirements	007000 007600
Eu.SCI-CC.PDI.2289	Req	<b>Operation Train ID</b> Bytes 106 to 125 shall contain a unique train identity, according to section 3.3, representing the Operational Train ID.	007000 007600
Eu.SCI-CC.PDI.1449	Req	<b>3.5.9.7 Message “Train Position, Speed and Status Report”</b>	007000 007001 007600 008700
Eu.SCI-CC.PDI.2273	Info	This telegram refines the InformationFlow "Msg_Train_Position_Speed_And_Status_Report" specified in the requirements specification (ID Eu.CC.1980).	007000 007001 007600 008700
Eu.SCI-CC.PDI.1450	Info	Telegram definition for status message “Train Position, Speed and Status Report”	007000 007001 007600 008700

ID	Type	Requirement		Appl.																																																															
		<table><tr><th>Byte / Bit</th><th>Content</th></tr><tr><td>00</td><td>Protocol Type: 0x70 (1 Byte binary)</td></tr><tr><td>01..02</td><td>Message Type: 0x0040 (2 Bytes binary)</td></tr><tr><td>03..22</td><td>Sender: ILS Identifier (20 Bytes text)</td></tr><tr><td>23..42</td><td>Receiver: TCS Identifier (20 Bytes text)</td></tr><tr><td>43</td><td>Information Type: 0x25 (1 Byte binary)</td></tr><tr><td>44..63</td><td>Onboard ID (20 Bytes binary)</td></tr><tr><td>64..67</td><td>Train Location (4 Bytes binary)</td></tr><tr><td>68..87</td><td>Train Location Element (20 Bytes binary)</td></tr><tr><td>88</td><td>Confidence Scale (1 Byte binary)</td></tr><tr><td>89..90</td><td>Confidence over (2 Bytes binary)</td></tr><tr><td>91..92</td><td>Confidence under (2 Bytes binary)</td></tr><tr><td>93</td><td>Train integrity (1 Byte binary)</td></tr><tr><td>94..95</td><td>Train length (2 Bytes binary)</td></tr><tr><td>96</td><td>Train speed (1 Byte binary)</td></tr><tr><td>97</td><td>Standstill (1 Byte binary)</td></tr><tr><td>98</td><td>Operational Direction (1 Byte binary)</td></tr><tr><td>99</td><td>Operational Mode (1 Byte binary)</td></tr><tr><td>100</td><td>Authorised Mode (1 Byte binary)</td></tr><tr><td>101</td><td>Operational Level (1 Byte binary)</td></tr><tr><td>102</td><td>Communicating (1 Byte binary)</td></tr><tr><td>103</td><td>Last Contact Hours (1 Byte Binary)</td></tr><tr><td>104</td><td>Last Contact Minutes (1 Byte Binary)</td></tr><tr><td>105</td><td>SR Distance Scale (1 Byte binary)</td></tr><tr><td>106..107</td><td>SR Distance (2 Bytes binary)</td></tr><tr><td>108</td><td>MA (1 Byte binary)</td></tr><tr><td>109..112</td><td>MA End Location (4 Bytes binary)</td></tr><tr><td>113..132</td><td>MA End Element (20 Bytes binary)</td></tr><tr><td>133</td><td>Extent of MA scale (1 Byte binary)</td></tr><tr><td>134..136</td><td>Extent of MA (3 bytes binary)</td></tr><tr><td>137</td><td>MA orientation (1 Byte binary)</td></tr><tr><td>138</td><td>SoM status (1 Byte binary)</td></tr></table>	Byte / Bit	Content	00	Protocol Type: 0x70 (1 Byte binary)	01..02	Message Type: 0x0040 (2 Bytes binary)	03..22	Sender: ILS Identifier (20 Bytes text)	23..42	Receiver: TCS Identifier (20 Bytes text)	43	Information Type: 0x25 (1 Byte binary)	44..63	Onboard ID (20 Bytes binary)	64..67	Train Location (4 Bytes binary)	68..87	Train Location Element (20 Bytes binary)	88	Confidence Scale (1 Byte binary)	89..90	Confidence over (2 Bytes binary)	91..92	Confidence under (2 Bytes binary)	93	Train integrity (1 Byte binary)	94..95	Train length (2 Bytes binary)	96	Train speed (1 Byte binary)	97	Standstill (1 Byte binary)	98	Operational Direction (1 Byte binary)	99	Operational Mode (1 Byte binary)	100	Authorised Mode (1 Byte binary)	101	Operational Level (1 Byte binary)	102	Communicating (1 Byte binary)	103	Last Contact Hours (1 Byte Binary)	104	Last Contact Minutes (1 Byte Binary)	105	SR Distance Scale (1 Byte binary)	106..107	SR Distance (2 Bytes binary)	108	MA (1 Byte binary)	109..112	MA End Location (4 Bytes binary)	113..132	MA End Element (20 Bytes binary)	133	Extent of MA scale (1 Byte binary)	134..136	Extent of MA (3 bytes binary)	137	MA orientation (1 Byte binary)	138	SoM status (1 Byte binary)	
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		Eu.SCI-CC.PDI.1451	Req	<b>Message Type</b> Bytes 01 and 02 shall be set to 0x0040.	007000 007001 007600 008700																																																														
		Eu.SCI-CC.PDI.1452	Req	<b>Sender Identifier</b> The message bytes 03..22 shall contain the technical identifier of the Subsystem - Electronic Interlocking according to section 3.2.	007000 007001 007600 008700																																																														
		Eu.SCI-CC.PDI.1453	Req	<b>Receiver Identifier</b> The message bytes 23..42 shall contain the technical identifier of the TCS according to section 3.2.	007000 007001 007600 008700																																																														
		Eu.SCI-CC.PDI.1454	Req	<b>Information Type</b> The message byte 43 shall be set to 0x25.	007000 007001 007600 008700																																																														
Eu.SCI-CC.PDI.1455	Req	<b>Onboard ID</b> Bytes 44 to 63 shall contain a unique onboard identity according to Eu.SCI-CC.PDI.3728.	007000 007001 007600 008700																																																																
Eu.SCI-CC.PDI.2292	Req	<b>Train Location</b> Bytes 64 to 67 shall contain a value representing the location of the train in 1m increments.	007000 007001 007600 008700																																																																
Eu.SCI-CC.PDI.3594	Req	Train Location shall be set to 0xFFFF FFFF for unknown location.	007000 007001 007600 008700																																																																
Eu.SCI-CC.PDI.2680	Req	<b>Train Location Element</b> Bytes 68 to 87 shall contain the train location element.	007000 007001 007600 008700																																																																

ID	Type	Requirement	Appl.
Eu.SCI-CC.PDI.3595	Req	Train Location Element shall be set to 20 times 0x00 for unknown location element.	007000 007001 007600 008700
Eu.SCI-CC.PDI.2544	Req	<b>Confidence Scale</b> The message byte 88 shall be set to one of the following values, representing the scale of the parameters Confidence over and Confidence under:  value            meaning -----      -----	007000 007001 007600 008700
Eu.SCI-CC.PDI.2545	Req	0x01            10 cm increments	007000 007001 007600 008700
Eu.SCI-CC.PDI.2546	Req	0x02            1 m increments	007000 007001 007600 008700
Eu.SCI-CC.PDI.2547	Req	0x03            10 m increments	007000 007001 007600 008700
Eu.SCI-CC.PDI.1465	Req	<b>Confidence over</b> The message bytes 89 and 90 shall be set to one of the following values, representing the difference between the lower bound of the confidence interval and Train Location:  value            meaning -----      -----	007000 007001 007600 008700
Eu.SCI-CC.PDI.2548	Req	0x0000..0xFFFE Confidence over (increments depending on Confidence over Scale)	007000 007001 007600 008700
Eu.SCI-CC.PDI.2549	Req	0xFFFF            Confidence over unknown	007000 007001 007600 008700
Eu.SCI-CC.PDI.1466	Req	<b>Confidence under</b> The message bytes 91 and 92 shall be set to one of the following values, representing the difference between the upper bound of the confidence interval and Train Location:  value            meaning -----      -----	007000 007001 007600 008700
Eu.SCI-CC.PDI.2554	Req	0x0000..0xFFFE Confidence under (increments depending on Confidence under Scale)	007000 007001 007600 008700
Eu.SCI-CC.PDI.2555	Req	0xFFFF            Confidence under unknown	007000 007001 007600 008700
Eu.SCI-CC.PDI.1467	Req	<b>Train integrity</b> The message byte 93 shall be set to one of the following values, representing the train integrity information.  value            meaning -----      -----	007000 007001 007600 008700
Eu.SCI-CC.PDI.1468	Req	0x01            no train integrity information available	007000 007001 007600 008700
Eu.SCI-CC.PDI.1469	Req	0x02            train integrity confirmed by integrity monitoring device	007000 007001 007600 008700
Eu.SCI-CC.PDI.1470	Req	0x03            train integrity confirmed by driver	007000 007001 007600 008700



ID	Type	Requirement	Appl.
Eu.SCI-CC.PDI.1471	Req	0x04            train integrity lost	007000 007001 007600 008700
Eu.SCI-CC.PDI.1472	Req	<b>Train length</b> The message bytes 94 and 95 shall contain a value between 0x0000 and 0xFFFE representing the safe train length, in 1m increments.	007000 007001 007600 008700
Eu.SCI-CC.PDI.1473	Req	<b>Train speed</b> The message byte 96 shall contain a value between 0x00 and 0xFE representing the actual train speed, in 5km/h increments.	007000 007001 007600 008700
Eu.SCI-CC.PDI.2681	Req	<b>Standstill</b> The message byte 97 shall be set to one of the following values, representing the standstill information.  value            meaning -----        - 	007000 007001 007600 008700
Eu.SCI-CC.PDI.2682	Req	0x01            train not at standstill	007000 007001 007600 008700
Eu.SCI-CC.PDI.2683	Req	0x02            train at standstill	007000 007001 007600 008700
Eu.SCI-CC.PDI.2301	Req	<b>Operational Direction</b> Byte 98 shall be set to one of the following values representing the direction of train movement.	007000 007001 007600 008700
Eu.SCI-CC.PDI.2302	Req	0x01            reverse	007000 007001 007600 008700
Eu.SCI-CC.PDI.2303	Req	0x02            nominal	007000 007001 007600 008700
Eu.SCI-CC.PDI.2304	Req	0x03            unknown	007000 007001 008700
Eu.SCI-CC.PDI.1437	Req	<b>Operational Mode</b> Byte 99 shall be contain a binary value between 0x01 and 0xFE representing the onboard operating mode as defined by national requirements.	007000 007001 007600 008700
Eu.SCI-CC.PDI.1438	Req	<b>Authorised Mode</b> Byte 100 shall be set to one of the following values representing the mode in which the onboard is authorised to operate.  value            meaning -----        - 	007000 007001 007600 008700
Eu.SCI-CC.PDI.1439	Req	0x01            vehicle is authorised for On Sight (OS) Mode	007000 007001 008700
Eu.SCI-CC.PDI.1440	Req	0x02            vehicle is authorised for Staff Responsible (SR) Mode	007000 007001 008700
Eu.SCI-CC.PDI.1441	Req	0x03            vehicle is authorised for Shunting (SH) Mode	007000 007001 008700
Eu.SCI-CC.PDI.2692	Req	0x04            vehicle is authorised for Rollback (RB) Mode	007000 007001 007600 008700

ID	Type	Requirement	Appl.
Eu.SCI-CC.PDI.2693	Req	0xFFno authorised Mode	007000 007001 007600 008700
Eu.SCI-CC.PDI.2290	Req	<b>Operational Level</b> Byte 101 shall be contain a binary value between 0x01 and 0xFE representing the onboard operating level as defined by national requirements.	007000 007001 007600 008700
Eu.SCI-CC.PDI.1474	Req	<b>Communicating</b> The message byte 102 shall be set to one of the following values, representing the status of the RBCs communications with the train.  value            meaning -----        -----	007000 007001 007600 008700
Eu.SCI-CC.PDI.1475	Req	0x01no radio connection, no session	007000 007600 008700
Eu.SCI-CC.PDI.1476	Req	0x02no radio connection, session established	007000 007600 008700
Eu.SCI-CC.PDI.2694	Req	0x03radio connection established, no session	007000 007600 008700
Eu.SCI-CC.PDI.2695	Req	0x04radio connection established, session established	007000 007600 008700
Eu.SCI-CC.PDI.3729	Req	0xFFCommunicating not applicable	007001
Eu.SCI-CC.PDI.1478	Req	<b>Last Contact Hours</b> Byte 103 shall contain a value representing the hours (24 hour clock) of last contact between the RBC and train, in Binary Coded Decimal within the range 00 to 23. The byte shall be set to 0xFF when not applicable.	007000 007001 007600 008700
Eu.SCI-CC.PDI.1479	Req	<b>Last Contact Minutes</b> Byte 104 shall contain a value representing the minutes of last contact between the RBC and train, in Binary Coded Decimal within the range 00 to 59. The byte shall be set to 0xFF when not applicable.	007000 007001 007600 008700
Eu.SCI-CC.PDI.2533	Req	<b>SR Distance Scale</b> The message byte 105 shall be set to one of the following values, representing the scale of the parameter SR Distance:  value            meaning -----        -----	007000 007001 007600 008700
Eu.SCI-CC.PDI.2534	Req	0x01SR Distance in 10 cm increments	007000 007001 008700
Eu.SCI-CC.PDI.2535	Req	0x02SR Distance in 1 m increments	007000 007001 007600 008700
Eu.SCI-CC.PDI.2536	Req	0x03SR Distance in 10 m increments	007000 007001 008700
Eu.SCI-CC.PDI.1444	Req	<b>SR Distance (Staff Responsible Distance)</b> The message bytes 106 and 107 shall be set to one of the following values, representing the permitted distance to run in Staff Responsible (SR) mode:  value            meaning -----        -----	007000 007001 007600 008700
Eu.SCI-CC.PDI.2537	Req	0x0000..0xFFFD SR Distance (increments depending on SR Distance Scale)	007000 007001 008700
Eu.SCI-CC.PDI.2538	Req	0xFFFE SR Distance infinite	007000 007001 007600 008700

ID	Type	Requirement	Appl.				
Eu.SCI-CC.PDI.1445	Req	<b>MA (Movement Authority)</b> Byte 108 shall be set to one of the following values: giving information about the movement authority for the train. <table><tr><td>value</td><td>meaning</td></tr><tr><td>-----</td><td>-----</td></tr></table>	value	meaning	-----	-----	007000 007001 007600 008700
value	meaning						
-----	-----						
Eu.SCI-CC.PDI.1446	Req	0x01            movement authority not issued, movement authority can be issued	007000 007001 007600 008700				
Eu.SCI-CC.PDI.1447	Req	0x02            movement authority issued, movement authority can be issued	007000 007001 007600 008700				
Eu.SCI-CC.PDI.1448	Req	0x03            movement authority not issued, movement authority cannot be issued	007000 007001 007600 008700				
Eu.SCI-CC.PDI.3661	Req	0x04            movement authority issued, movement authority cannot be issued	007000 007001 007600 008700				
Eu.SCI-CC.PDI.2685	Req	<b>MA End Location</b> The message bytes 109 to 112 shall be set to one of the following values, representing the End Location of MA: <table><tr><td>value</td><td>meaning</td></tr><tr><td>-----</td><td>-----</td></tr></table>	value	meaning	-----	-----	007000 007001 007600 008700
value	meaning						
-----	-----						
Eu.SCI-CC.PDI.3684	Req	0x000001..0xFFFFFE    MA End Location	007000 008700				
Eu.SCI-CC.PDI.3685	Req	0xFFFFF            MA End Location not applicable	007001 007600 008700				
Eu.SCI-CC.PDI.2686	Req	<b>MA End Element</b> Bytes 113 to 132 shall contain the MA End Element. If the MA End Element is not applicable, then the bytes 113 to 132 shall contain 20 times the NULL character (0x00).	007000 007001 007600 008700				
Eu.SCI-CC.PDI.2556	Req	<b>Extent of MA Scale</b> The message byte 133 shall be set to one of the following values, representing the scale of the parameter Extent of MA: <table><tr><td>value</td><td>meaning</td></tr><tr><td>-----</td><td>-----</td></tr></table>	value	meaning	-----	-----	007000 007001 007600 008700
value	meaning						
-----	-----						
Eu.SCI-CC.PDI.2557	Req	0x01            Extent of MA in 10 cm increments	007000 008700				
Eu.SCI-CC.PDI.2558	Req	0x02            Extent of MA in 1 m increments	007000 007600 008700				
Eu.SCI-CC.PDI.2559	Req	0x03            Extent of MA in 10 m increments	007000 008700				
Eu.SCI-CC.PDI.3730	Req	0xFF            Extent of MA Scale not applicable	007001				
Eu.SCI-CC.PDI.2148	Req	<b>Extent of MA</b> The message bytes 134 to 136 shall be set to one of the following values, representing the total length (all sections) of movement authority in the direction of MA Orientation: <table><tr><td>value</td><td>meaning</td></tr><tr><td>-----</td><td>-----</td></tr></table>	value	meaning	-----	-----	007000 007001 007600 008700
value	meaning						
-----	-----						
Eu.SCI-CC.PDI.2560	Req	0x000000..0xFFFFFE    Extent of MA (increments depending on Extent of MA Scale)	007000 008700				
Eu.SCI-CC.PDI.3209	Req	0xFFFFF            Extent of MA not applicable	007001 007600 008700				

ID	Type	Requirement		Appl.																
Eu.SCI-CC.PDI.1457	Req	<b>MA orientation</b> The message byte 137 shall be set to one of the following values, representing the orientation of the Extent of MA location in relation to the Train Location. <table><tr><td>value</td><td>meaning</td></tr><tr><td>-----</td><td>-----</td></tr></table>		value	meaning	-----	-----	007000 007001 007600 008700												
value	meaning																			
-----	-----																			
Eu.SCI-CC.PDI.1458	Req	0x01	reverse	007000 008700																
Eu.SCI-CC.PDI.1459	Req	0x02	nominal	007000 008700																
Eu.SCI-CC.PDI.1460	Req	0x03	unknown	007000 008700																
Eu.SCI-CC.PDI.2697	Req	0xFF	not applicable	007000 007001 007600 008700																
Eu.SCI-CC.PDI.2296	Info	The locations and length parameters above should follow a reference system common to the TCS and the ILS/RBC configuration (e.g. track kilometres, track section) and will be specified by national requirements.		007000 007600 008700																
Eu.SCI-CC.PDI.2687	Req	<b>SoM status</b> The message byte 138 shall be set to one of the following values, representing the SoM status. <table><tr><td>value</td><td>meaning</td></tr><tr><td>-----</td><td>-----</td></tr></table>		value	meaning	-----	-----	007000 007001 007600 008700												
value	meaning																			
-----	-----																			
Eu.SCI-CC.PDI.2688	Req	0x01	no SoM	007000 007600 008700																
Eu.SCI-CC.PDI.2689	Req	0x02	SoM with valid position	007000 007600 008700																
Eu.SCI-CC.PDI.2690	Req	0x03	SoM with invalid position	007000 007600 008700																
Eu.SCI-CC.PDI.2691	Req	0xFF	SoM status not applicable	007000 007001 008700																
Eu.SCI-CC.PDI.1480	Head	<b>3.5.9.8 Message “Train Request”</b>		007000 007600																
Eu.SCI-CC.PDI.2274	Info	This telegram refines the InformationFlow "Msg_Train_Request" specified in the requirements specification (ID Eu.CC.1981).		007000 007600																
Eu.SCI-CC.PDI.1481	Info	Telegram definition for status message “Train Request” <table><tr><th>Byte / Bit</th><th>Content</th></tr><tr><td>00</td><td>Protocol Type: 0x70 (1 Byte binary)</td></tr><tr><td>01..02</td><td>Message Type: 0x0040 (2 Bytes binary)</td></tr><tr><td>03..22</td><td>Sender: ILS Identifier (20 Bytes text)</td></tr><tr><td>23..42</td><td>Receiver: TCS Identifier (20 Bytes text)</td></tr><tr><td>43</td><td>Information Type: 0x16 (1 Byte binary)</td></tr><tr><td>44..63</td><td>Onboard ID (20 Bytes binary)</td></tr><tr><td>64</td><td>Request (1 Byte binary)</td></tr></table>		Byte / Bit	Content	00	Protocol Type: 0x70 (1 Byte binary)	01..02	Message Type: 0x0040 (2 Bytes binary)	03..22	Sender: ILS Identifier (20 Bytes text)	23..42	Receiver: TCS Identifier (20 Bytes text)	43	Information Type: 0x16 (1 Byte binary)	44..63	Onboard ID (20 Bytes binary)	64	Request (1 Byte binary)	007000 007600
Byte / Bit	Content																			
00	Protocol Type: 0x70 (1 Byte binary)																			
01..02	Message Type: 0x0040 (2 Bytes binary)																			
03..22	Sender: ILS Identifier (20 Bytes text)																			
23..42	Receiver: TCS Identifier (20 Bytes text)																			
43	Information Type: 0x16 (1 Byte binary)																			
44..63	Onboard ID (20 Bytes binary)																			
64	Request (1 Byte binary)																			
Eu.SCI-CC.PDI.1482	Req	<b>Message Type</b> Bytes 01 and 02 shall be set to 0x0040.		007000 007600																
Eu.SCI-CC.PDI.1483	Req	<b>SenderIdentifier</b> The message bytes 03..22 shall contain the technical identifier of the Subsystem - Electronic Interlocking according to section 3.2.		007000 007600																
Eu.SCI-CC.PDI.1484	Req	<b>Receiver Identifier</b> The message bytes 23..42 shall contain the technical identifier of the TCS according to section 3.2.		007000 007600																

ID	Type	Requirement	Appl.
Eu.SCI-CC.PDI.1485	Req	<b>Information Type</b> The message byte 43 shall be set to 0x16.	007000 007600
Eu.SCI-CC.PDI.1486	Req	<b>Onboard ID</b> Bytes 44 to 63 shall contain a unique onboard identity according to Eu.SCI-CC.PDI.3728.	007000 007600
Eu.SCI-CC.PDI.1487	Req	<b>Request</b> The message byte 64 shall be set to one of the following values, representing a message from the train.  value            meaning -----    -----	007000 007600
Eu.SCI-CC.PDI.1488	Req	0x01            train is requesting Shunting (SH) Mode	007000 007600
Eu.SCI-CC.PDI.2605	Req	0x02            train is requesting a movement authority	007000
Eu.SCI-CC.PDI.3152	Head	<b>3.5.10 TSR functions</b>	Default
Eu.SCI-CC.PDI.2582	Head	<b>3.5.10.1 Command "Define A Temporary Speed Restriction"</b>	007000 007600 310900
Eu.SCI-CC.PDI.2583	Info	This telegram refines the InformationFlow "Cd_Define_A_Temporary_Speed_Restriction" specified in the requirements specification (ID Eu.CC.2069).	007000 007600 310900
Eu.SCI-CC.PDI.503	Info	Telegram definition for command "Define a Temporary Speed Restriction"	007000 007600 310900

ID	Type	Requirement		Appl.																																																																																																											
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Activation (1 Byte binary)</td></tr><tr><td>77</td><td>Month for Recommended Activation (1 Byte binary)</td></tr><tr><td>78</td><td>Day for Recommended Activation (1 Byte binary)</td></tr><tr><td>79</td><td>Hours for Recommended Activation (1 Byte binary)</td></tr><tr><td>80</td><td>Minutes for Recommended Activation (1 Byte binary)</td></tr><tr><td>81</td><td>Direction (1 Byte binary)</td></tr><tr><td>82</td><td>Airtight (1 Byte binary)</td></tr><tr><td>83</td><td>Train Length (1 Byte binary)</td></tr><tr><td>84</td><td>Revocable (1 Byte binary)</td></tr><tr><td>85..124</td><td>Text Message (40 Bytes text)</td></tr><tr><td>125..128</td><td>Start location (4 Bytes binary)</td></tr><tr><td>129..132</td><td>End location (4 Bytes binary)</td></tr><tr><td>133..152</td><td>Track element 1 (20 Bytes text)</td></tr><tr><td>153..172</td><td>Track element 2 (20 Bytes text)</td></tr><tr><td>173..192</td><td>Track element 3 (20 Bytes text)</td></tr><tr><td>193..212</td><td>Track element 4 (20 Bytes text)</td></tr><tr><td>213..232</td><td>Track element 5 (20 Bytes text)</td></tr><tr><td>233..252</td><td>Track element 6 (20 Bytes text)</td></tr><tr><td>253..272</td><td>Track element 7 (20 Bytes text)</td></tr><tr><td>273..292</td><td>Track element 8 (20 Bytes text)</td></tr><tr><td>293..312</td><td>Track element 9 (20 Bytes text)</td></tr><tr><td>313..332</td><td>Track element 10 (20 Bytes text)</td></tr><tr><td>333..352</td><td>Track element 11 (20 Bytes text)</td></tr><tr><td>353..372</td><td>Track element 12 (20 Bytes text)</td></tr><tr><td>373..392</td><td>Track element 13 (20 Bytes text)</td></tr><tr><td>393..412</td><td>Track element 14 (20 Bytes text)</td></tr><tr><td>413..432</td><td>Track element 15 (20 Bytes text)</td></tr><tr><td>433..452</td><td>Track element 16 (20 Bytes text)</td></tr><tr><td>453..472</td><td>Track element 17 (20 Bytes text)</td></tr><tr><td>473..492</td><td>Track element 18 (20 Bytes text)</td></tr><tr><td>493..512</td><td>Track element 19 (20 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binary)	70..71	Train Category (2 Bytes binary)	72	Axle Load (1 Byte binary)	73	Cant Deficiency (1 Byte binary)	74..75	Loading Gauge Profile (2 Bytes binary)	76	Year for Recommended Activation (1 Byte binary)	77	Month for Recommended Activation (1 Byte binary)	78	Day for Recommended Activation (1 Byte binary)	79	Hours for Recommended Activation (1 Byte binary)	80	Minutes for Recommended Activation (1 Byte binary)	81	Direction (1 Byte binary)	82	Airtight (1 Byte binary)	83	Train Length (1 Byte binary)	84	Revocable (1 Byte binary)	85..124	Text Message (40 Bytes text)	125..128	Start location (4 Bytes binary)	129..132	End location (4 Bytes binary)	133..152	Track element 1 (20 Bytes text)	153..172	Track element 2 (20 Bytes text)	173..192	Track element 3 (20 Bytes text)	193..212	Track element 4 (20 Bytes text)	213..232	Track element 5 (20 Bytes text)	233..252	Track element 6 (20 Bytes text)	253..272	Track element 7 (20 Bytes text)	273..292	Track element 8 (20 Bytes text)	293..312	Track 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Eu.SCI-CC.PDI.2584	Req	<b>Message Type</b> Bytes 01 and 02 shall be set to 0x0050 or 0x0055 as defined in section 3.4.1.	007000 007600 310900																																																																																																												
Eu.SCI-CC.PDI.2585	Req	<b>Sender Identifier</b> The message bytes 03..22 shall contain the technical identifier of the TCS according to section 3.2.	007000 007600 310900																																																																																																												

ID	Type	Requirement	Appl.
Eu.SCI-CC.PDI.2586	Req	<b>Receiver Identifier</b> The message bytes 23..42 shall contain the technical identifier of the Subsystem - Electronic Interlocking according to section 3.2.	007000 007600 310900
Eu.SCI-CC.PDI.3377	Req	<b>TAN</b> Bytes 43 and 44 shall contain a unique transaction number of the command. If the Message Type is set to 0x0055, the transaction number shall be equal to the transaction number used in the command that is being confirmed (see section 3.4.1).	007000 007600 310900
Eu.SCI-CC.PDI.2587	Req	<b>Information Type</b> Byte 45 shall be set to 0x5E.	007000 007600 310900
Eu.SCI-CC.PDI.2588	Req	<b>TSR ID</b> Bytes 46 to 65 shall contain a unique TSR identity according to section 3.3.	007000 007600 310900
Eu.SCI-CC.PDI.504	Info	In defining a TSR, the parameters below should be treated as AND conditions. OR conditions will require separate TSR IDs over the same section.	007000 007600 310900
Eu.SCI-CC.PDI.505	Req	<b>Speed</b> Byte 66 shall contain a binary value between 0x00 and 0x79 representing speed in 5km/h increments.	007000 007600 310900
Eu.SCI-CC.PDI.509	Req	<b>Traction Type Voltage</b> Byte 67 shall be set to one of the following values, representing the traction type voltage for which the TSR is valid:  value            meaning -----        -----	007000 007600 310900
Eu.SCI-CC.PDI.510	Req	0x80            Line not fitted with any traction system	007000 310900
Eu.SCI-CC.PDI.2331	Req	0x81            AC 25 kV 50 Hz	007000 310900
Eu.SCI-CC.PDI.3210	Req	0x82            AC 15 kV 16.7 Hz	007000 310900
Eu.SCI-CC.PDI.3211	Req	0x83            DC 3 kV	007000 310900
Eu.SCI-CC.PDI.3212	Req	0x84            DC 1.5 kV	007000 310900
Eu.SCI-CC.PDI.3213	Req	0x85            DC 600/750 V	007000 310900
Eu.SCI-CC.PDI.3214	Req	0xFE            All traction types	007000 310900
Eu.SCI-CC.PDI.2332	Req	0xFF            Traction Type Voltage not applicable	007600
Eu.SCI-CC.PDI.3215	Req	<b>Traction Type National</b> Bytes 68 to 69 shall be set to one of the following values, representing the traction type national for which the TSR is valid:  value            meaning -----        -----	007000 007600 310900
Eu.SCI-CC.PDI.3216	Req	0x8000..0x83FF Country identifier of the traction system as defined by national requirements	007000 310900
Eu.SCI-CC.PDI.3217	Req	0xFFFF            Traction Type National not applicable	007600
Eu.SCI-CC.PDI.512	Req	<b>Train Category</b> Bytes 70 and 71 shall be set to one of the following values, representing the train category for which the TSR is valid:  value            meaning -----        -----	007000 007600 310900
Eu.SCI-CC.PDI.3218	Req	0x8000            train does not belong to any of the "Other International" Train Category	007000 007600 310900

ID	Type	Requirement		Appl.
Eu.SCI-CC.PDI.513	Req	0x8001	freight train in "P" position	007000 007600 310900
Eu.SCI-CC.PDI.3052	Req	0x8002	freight train in "G" position	007000 007600 310900
Eu.SCI-CC.PDI.3053	Req	0x8003	freight train in "P" and "G" position	007000 007600 310900
Eu.SCI-CC.PDI.3054	Req	0x8004	passenger train	007000 007600 310900
Eu.SCI-CC.PDI.3055	Req	0x8005	passenger train and freight train in "P" position	007000 007600 310900
Eu.SCI-CC.PDI.3056	Req	0x8006	passenger train and freight train in "G" position	007000 007600 310900
Eu.SCI-CC.PDI.3057	Req	0x8007	passenger train and freight train in "P" and "G" position	007000 007600 310900
Eu.SCI-CC.PDI.3219	Req	0xFFFE	All train categories	007000 007600 310900
Eu.SCI-CC.PDI.2374	Req	0xFFFF	Train Category not applicable	007000 310900
Eu.SCI-CC.PDI.515	Req	<b>Axle Load Categories</b> Byte 72 shall be set to one of the following values, representing the Axle Load Categories at, or above which, the TSR is valid:  value                      meaning -----                      -----		007000 007600 310900
Eu.SCI-CC.PDI.516	Req	0x80	A	007000 007600 310900
Eu.SCI-CC.PDI.3058	Req	0x81	HS17	007000 007600 310900
Eu.SCI-CC.PDI.3059	Req	0x82	B1	007000 007600 310900
Eu.SCI-CC.PDI.3060	Req	0x83	B2	007000 007600 310900
Eu.SCI-CC.PDI.3061	Req	0x84	C2	007000 007600 310900
Eu.SCI-CC.PDI.3062	Req	0x85	C3	007000 007600 310900
Eu.SCI-CC.PDI.3063	Req	0x86	C4	007000 007600 310900
Eu.SCI-CC.PDI.3064	Req	0x87	D2	007000 007600 310900



ID	Type	Requirement		Appl.
Eu.SCI-CC.PDI.3065	Req	0x88	D3	007000 007600 310900
Eu.SCI-CC.PDI.3066	Req	0x89	D4	007000 007600 310900
Eu.SCI-CC.PDI.3067	Req	0x8A	D4XL	007000 007600 310900
Eu.SCI-CC.PDI.3068	Req	0x8B	E4	007000 007600 310900
Eu.SCI-CC.PDI.3069	Req	0x8C	E5	007000 007600 310900
Eu.SCI-CC.PDI.3070	Req	0xFE	all axle load categories	007000
Eu.SCI-CC.PDI.2319	Req	0xFF	Axle Load Categories not applicable	007000 310900
Eu.SCI-CC.PDI.517	Req	<b>Cant Deficiency Category</b> Byte 73 shall be set to one of the following values, representing the cant deficiency category at or above which the TSR is valid:  value                      meaning -----                      -----		007000 007600 310900
Eu.SCI-CC.PDI.518	Req	0x80	80 mm	007000 007600 310900
Eu.SCI-CC.PDI.3071	Req	0x81	100 mm	007000 007600 310900
Eu.SCI-CC.PDI.3072	Req	0x82	130 mm	007000 007600 310900
Eu.SCI-CC.PDI.3073	Req	0x83	150 mm	007000 007600 310900
Eu.SCI-CC.PDI.3074	Req	0x84	165 mm	007000 007600 310900
Eu.SCI-CC.PDI.3075	Req	0x85	180 mm	007000 007600 310900
Eu.SCI-CC.PDI.3076	Req	0x86	210 mm	007000 007600 310900
Eu.SCI-CC.PDI.3077	Req	0x87	225 mm	007000 007600 310900
Eu.SCI-CC.PDI.3078	Req	0x88	245 mm	007000 007600 310900
Eu.SCI-CC.PDI.3079	Req	0x89	275 mm	007000 007600 310900
Eu.SCI-CC.PDI.3080	Req	0x8A	300 mm	007000 007600 310900

ID	Type	Requirement	Appl.
Eu.SCI-CC.PDI.3081	Req	0xFE            all cant deficiency categories	007000 007600 310900
Eu.SCI-CC.PDI.2333	Req	0xFF            Cant Deficiency Categories not applicable	007000 310900
Eu.SCI-CC.PDI.519	Req	<b>Loading Gauge Profile</b> Bytes 74 and 75 shall be set to one of the following values, representing the Loading Gauge Profile at or above which the TSR is valid:  value            meaning -----        -----	007000 007600 310900
Eu.SCI-CC.PDI.520	Req	0x8000           train does not fit any loading gauge profile	007000 310900
Eu.SCI-CC.PDI.2320	Req	0x8001           G1	007000 310900
Eu.SCI-CC.PDI.3220	Req	0x8002           GA	007000 310900
Eu.SCI-CC.PDI.3221	Req	0x8003           GB	007000 310900
Eu.SCI-CC.PDI.3222	Req	0x8004           GC	007000 310900
Eu.SCI-CC.PDI.3223	Req	0x8100..0x81FF Loading Gauge Profiles as defined by national requirements	007000 310900
Eu.SCI-CC.PDI.3224	Req	0xFFFE           all loading gauge profiles	007000 310900
Eu.SCI-CC.PDI.2334	Req	0xFFFF           Loading Gauge Profile not applicable	007600
Eu.SCI-CC.PDI.525	Req	<b>Year for Recommended Activation</b> Byte 76 shall contain a value representing the year in Binary Coded Decimal within the range 00 to 99.	007600 310900
Eu.SCI-CC.PDI.2339	Req	0xFF shall be used where Year for Recommended Activation is not applicable.	007000
Eu.SCI-CC.PDI.524	Req	<b>Month for Recommended Activation</b> Byte 77 shall contain a value representing the month in Binary Coded Decimal within the range 01 to 12.	007600 310900
Eu.SCI-CC.PDI.2338	Req	0xFF shall be used where Month for Recommended Activation is not applicable.	007000
Eu.SCI-CC.PDI.523	Req	<b>Day for Recommended Activation</b> Byte 78 shall contain a value representing the day in Binary Coded Decimal within the range 01 to 31.	007600 310900
Eu.SCI-CC.PDI.2337	Req	0xFF shall be used where Day for Recommended Activation is not applicable.	007000
Eu.SCI-CC.PDI.521	Req	<b>Hours for Recommended Activation</b> Byte 79 shall contain a value representing hours (24 hour clock) in Binary Coded Decimal within the range 00 to 23.	007600 310900
Eu.SCI-CC.PDI.2335	Req	0xFF shall be used where Hours for Recommended Activation is not applicable.	007000
Eu.SCI-CC.PDI.522	Req	<b>Minutes for Recommended Activation</b> Byte 80 shall contain a value representing minutes in Binary Coded Decimal within the range 00 to 59.	007600 310900
Eu.SCI-CC.PDI.2336	Req	0xFF shall be used where Minutes for Recommended Activation is not applicable.	007000
Eu.SCI-CC.PDI.526	Req	<b>Direction</b> Byte 81 shall be set to one of the following values, representing the direction in which the TSR applies:  value            meaning -----        -----	007000 007600 310900
Eu.SCI-CC.PDI.527	Req	0x01            single direction (Start-to-End)	007000 007600 310900

ID	Type	Requirement	Appl.
Eu.SCI-CC.PDI.528	Req	0x02            both directions (Start-to-End and End-to-Start)	007000 007600 310900
Eu.SCI-CC.PDI.529	Req	<b>Airtight</b> Byte 82 shall be set to one of the following values, representing whether or not the TSR is valid for trains with an airtight system present:  value            meaning -----        -----	007000 007600 310900
Eu.SCI-CC.PDI.531	Req	0x80            not fitted	007000 310900
Eu.SCI-CC.PDI.530	Req	0x81            fitted	007000 310900
Eu.SCI-CC.PDI.532	Req	0xFE            All Airtight categories	007000 310900
Eu.SCI-CC.PDI.2383	Req	0xFF            Airtight not applicable	007600
Eu.SCI-CC.PDI.533	Req	<b>Train Length Delay</b> Byte 83 shall be set to one of the following values, representing whether the TSR applies until the front or the rear of the train has passed the End location of the TSR:  value            meaning -----        -----	007000 007600 310900
Eu.SCI-CC.PDI.534	Req	0x01            rear (train length delay)	007000 007600 310900
Eu.SCI-CC.PDI.535	Req	0x02            front (no train length delay)	007000 310900
Eu.SCI-CC.PDI.536	Req	<b>Revocable</b> Byte 84 shall be set to one of the following values, representing whether the TSR is revocable:  value            meaning -----        -----	007000 007600 310900
Eu.SCI-CC.PDI.537	Req	0x01            revocable	310900
Eu.SCI-CC.PDI.538	Req	0x02            non-revocable	310900
Eu.SCI-CC.PDI.2384	Req	0x03            non specified	310900
Eu.SCI-CC.PDI.2385	Req	0xFF            Revocable not applicable	007000 007600
Eu.SCI-CC.PDI.542	Req	<b>Text Message</b> Bytes 85 to 124 shall contain a text message, in accordance with section 2.4, intended for display to the driver.	007000 007600 310900
Eu.SCI-CC.PDI.506	Req	<b>Start location</b> Bytes 125 to 128 shall contain a value between 0x0000 0001 and 0xFFFF FFFE giving the start location of the TSR inside the first track element.	007000 007600 310900
Eu.SCI-CC.PDI.2291	Req	<b>End location</b> Bytes 129 to 132 shall contain a value between 0x0000 0001 and 0xFFFF FFFE giving the end position of the TSR inside the last track element.	007000 007600 310900
Eu.SCI-CC.PDI.2305	Info	The start and end locations should refer to a common location reference shared between the TCS and the ILS as defined by national requirements.	007000 007600 310900
Eu.SCI-CC.PDI.3142	Req	Bytes 133 to 632 shall contain 500 times NULL character (0x00) where the track elements of the TSR location are not applicable.	007000 007600 310900
Eu.SCI-CC.PDI.2852	Req	<b>Track element 1</b> Bytes 133 to 152 shall contain the track element ID of the first track element of the TSR location. A track element ID is the identity of a Powered Moveable Element, a TVP Section, a Track Section or a Diamond Crossing according to section 3.3.	007000 007600 310900

ID	Type	Requirement	Appl.
Eu.SCI-CC.PDI.2853	Req	<b>Track element 2</b> Bytes 153 to 172 shall contain the track element ID of the next track element of the TSR location. A track element ID is the identity of a Powered Moveable Element, a TVP Section, a Track Section or a Diamond Crossing according to section 3.3.	007000 007600 310900
Eu.SCI-CC.PDI.2913	Req	If the previous track element is the last track element of the TSR location, then the bytes 153 to 172 shall contain 20 times the NULL character (0x00).	007000 007600 310900
Eu.SCI-CC.PDI.2854	Req	<b>Track element 3</b> Bytes 173 to 192 shall contain the track element ID of the next track element of the TSR location. A track element ID is the identity of a Powered Moveable Element, a TVP Section, a Track Section or a Diamond Crossing according to section 3.3.	007000 007600 310900
Eu.SCI-CC.PDI.2914	Req	If the previous track element is the last track element of the TSR location, then the bytes 173 to 192 shall contain 20 times the NULL character (0x00).	007000 007600 310900
Eu.SCI-CC.PDI.2855	Req	<b>Track element 4</b> Bytes 193 to 212 shall contain the track element ID of the next track element of the TSR location. A track element ID is the identity of a Powered Moveable Element, a TVP Section, a Track Section or a Diamond Crossing according to section 3.3.	007000 007600 310900
Eu.SCI-CC.PDI.2915	Req	If the previous track element is the last track element of the TSR location, then the bytes 193 to 212 shall contain 20 times the NULL character (0x00).	007000 007600 310900
Eu.SCI-CC.PDI.2856	Req	<b>Track element 5</b> Bytes 213 to 232 shall contain the track element ID of the next track element of the TSR location. A track element ID is the identity of a Powered Moveable Element, a TVP Section, a Track Section or a Diamond Crossing according to section 3.3.	007000 007600 310900
Eu.SCI-CC.PDI.2916	Req	If the previous track element is the last track element of the TSR location, then the bytes 213 to 232 shall contain 20 times the NULL character (0x00).	007000 007600 310900
Eu.SCI-CC.PDI.2857	Req	<b>Track element 6</b> Bytes 233 to 252 shall contain the track element ID of the next track element of the TSR location. A track element ID is the identity of a Powered Moveable Element, a TVP Section, a Track Section or a Diamond Crossing according to section 3.3.	007000 007600 310900
Eu.SCI-CC.PDI.2917	Req	If the previous track element is the last track element of the TSR location, then the bytes 233 to 252 shall contain 20 times the NULL character (0x00).	007000 007600 310900
Eu.SCI-CC.PDI.2858	Req	<b>Track element 7</b> Bytes 253 to 272 shall contain the track element ID of the next track element of the TSR location. A track element ID is the identity of a Powered Moveable Element, a TVP Section, a Track Section or a Diamond Crossing according to section 3.3.	007000 007600 310900
Eu.SCI-CC.PDI.2918	Req	If the previous track element is the last track element of the TSR location, then the bytes 253 to 272 shall contain 20 times the NULL character (0x00).	007000 007600 310900
Eu.SCI-CC.PDI.2859	Req	<b>Track element 8</b> Bytes 273 to 292 shall contain the track element ID of the next track element of the TSR location. A track element ID is the identity of a Powered Moveable Element, a TVP Section, a Track Section or a Diamond Crossing according to section 3.3.	007000 007600 310900
Eu.SCI-CC.PDI.2919	Req	If the previous track element is the last track element of the TSR location, then the bytes 273 to 292 shall contain 20 times the NULL character (0x00).	007000 007600 310900
Eu.SCI-CC.PDI.2860	Req	<b>Track element 9</b> Bytes 293 to 312 shall contain the track element ID of the next track element of the TSR location. A track element ID is the identity of a Powered Moveable Element, a TVP Section, a Track Section or a Diamond Crossing according to section 3.3.	007000 007600 310900
Eu.SCI-CC.PDI.2920	Req	If the previous track element is the last track element of the TSR location, then the bytes 293 to 312 shall contain 20 times the NULL character (0x00).	007000 007600 310900
Eu.SCI-CC.PDI.2861	Req	<b>Track element 10</b> Bytes 313 to 332 shall contain the track element ID of the next track element of the TSR location. A track element ID is the identity of a Powered Moveable Element, a TVP Section, a Track Section or a Diamond Crossing according to section 3.3.	007000 007600 310900
Eu.SCI-CC.PDI.2921	Req	If the previous track element is the last track element of the TSR location, then the bytes 313 to 332 shall contain 20 times the NULL character (0x00).	007000 007600 310900

ID	Type	Requirement	Appl.
Eu.SCI-CC.PDI.2862	Req	<b>Track element 11</b> Bytes 333 to 352 shall contain the track element ID of the next track element of the TSR location. A track element ID is the identity of a Powered Moveable Element, a TVP Section, a Track Section or a Diamond Crossing according to section 3.3.	007000 007600 310900
Eu.SCI-CC.PDI.2922	Req	If the previous track element is the last track element of the TSR location, then the bytes 333 to 352 shall contain 20 times the NULL character (0x00).	007000 007600 310900
Eu.SCI-CC.PDI.2863	Req	<b>Track element 12</b> Bytes 353 to 372 shall contain the track element ID of the next track element of the TSR location. A track element ID is the identity of a Powered Moveable Element, a TVP Section, a Track Section or a Diamond Crossing according to section 3.3.	007000 007600 310900
Eu.SCI-CC.PDI.2923	Req	If the previous track element is the last track element of the TSR location, then the bytes 353 to 372 shall contain 20 times the NULL character (0x00).	007000 007600 310900
Eu.SCI-CC.PDI.2864	Req	<b>Track element 13</b> Bytes 373 to 392 shall contain the track element ID of the next track element of the TSR location. A track element ID is the identity of a Powered Moveable Element, a TVP Section, a Track Section or a Diamond Crossing according to section 3.3.	007000 007600 310900
Eu.SCI-CC.PDI.2924	Req	If the previous track element is the last track element of the TSR location, then the bytes 373 to 392 shall contain 20 times the NULL character (0x00).	007000 007600 310900
Eu.SCI-CC.PDI.2865	Req	<b>Track element 14</b> Bytes 393 to 412 shall contain the track element ID of the next track element of the TSR location. A track element ID is the identity of a Powered Moveable Element, a TVP Section, a Track Section or a Diamond Crossing according to section 3.3.	007000 007600 310900
Eu.SCI-CC.PDI.2925	Req	If the previous track element is the last track element of the TSR location, then the bytes 393 to 412 shall contain 20 times the NULL character (0x00).	007000 007600 310900
Eu.SCI-CC.PDI.2866	Req	<b>Track element 15</b> Bytes 413 to 432 shall contain the track element ID of the next track element of the TSR location. A track element ID is the identity of a Powered Moveable Element, a TVP Section, a Track Section or a Diamond Crossing according to section 3.3.	007000 007600 310900
Eu.SCI-CC.PDI.2926	Req	If the previous track element is the last track element of the TSR location, then the bytes 413 to 432 shall contain 20 times the NULL character (0x00).	007000 007600 310900
Eu.SCI-CC.PDI.2867	Req	<b>Track element 16</b> Bytes 433 to 452 shall contain the track element ID of the next track element of the TSR location. A track element ID is the identity of a Powered Moveable Element, a TVP Section, a Track Section or a Diamond Crossing according to section 3.3.	007000 007600 310900
Eu.SCI-CC.PDI.2927	Req	If the previous track element is the last track element of the TSR location, then the bytes 433 to 452 shall contain 20 times the NULL character (0x00).	007000 007600 310900
Eu.SCI-CC.PDI.2868	Req	<b>Track element 17</b> Bytes 453 to 472 shall contain the track element ID of the next track element of the TSR location. A track element ID is the identity of a Powered Moveable Element, a TVP Section, a Track Section or a Diamond Crossing according to section 3.3.	007000 007600 310900
Eu.SCI-CC.PDI.2928	Req	If the previous track element is the last track element of the TSR location, then the bytes 453 to 472 shall contain 20 times the NULL character (0x00).	007000 007600 310900
Eu.SCI-CC.PDI.2869	Req	<b>Track element 18</b> Bytes 473 to 492 shall contain the track element ID of the next track element of the TSR location. A track element ID is the identity of a Powered Moveable Element, a TVP Section, a Track Section or a Diamond Crossing according to section 3.3.	007000 007600 310900
Eu.SCI-CC.PDI.2929	Req	If the previous track element is the last track element of the TSR location, then the bytes 473 to 492 shall contain 20 times the NULL character (0x00).	007000 007600 310900
Eu.SCI-CC.PDI.2870	Req	<b>Track element 19</b> Bytes 493 to 512 shall contain the track element ID of the next track element of the TSR location. A track element ID is the identity of a Powered Moveable Element, a TVP Section, a Track Section or a Diamond Crossing according to section 3.3.	007000 007600 310900
Eu.SCI-CC.PDI.2930	Req	If the previous track element is the last track element of the TSR location, then the bytes 493 to 512 shall contain 20 times the NULL character (0x00).	007000 007600 310900

ID	Type	Requirement	Appl.
Eu.SCI-CC.PDI.2871	Req	<b>Track element 20</b> Bytes 513 to 532 shall contain the track element ID of the next track element of the TSR location. A track element ID is the identity of a Powered Moveable Element, a TVP Section, a Track Section or a Diamond Crossing according to section 3.3.	007000 007600 310900
Eu.SCI-CC.PDI.2931	Req	If the previous track element is the last track element of the TSR location, then the bytes 513 to 532 shall contain 20 times the NULL character (0x00).	007000 007600 310900
Eu.SCI-CC.PDI.2872	Req	<b>Track element 21</b> Bytes 533 to 552 shall contain the track element ID of the next track element of the TSR location. A track element ID is the identity of a Powered Moveable Element, a TVP Section, a Track Section or a Diamond Crossing according to section 3.3.	007000 007600 310900
Eu.SCI-CC.PDI.2932	Req	If the previous track element is the last track element of the TSR location, then the bytes 533 to 552 shall contain 20 times the NULL character (0x00).	007000 007600 310900
Eu.SCI-CC.PDI.2873	Req	<b>Track element 22</b> Bytes 553 to 572 shall contain the track element ID of the next track element of the TSR location. A track element ID is the identity of a Powered Moveable Element, a TVP Section, a Track Section or a Diamond Crossing according to section 3.3.	007000 007600 310900
Eu.SCI-CC.PDI.2933	Req	If the previous track element is the last track element of the TSR location, then the bytes 553 to 572 shall contain 20 times the NULL character (0x00).	007000 007600 310900
Eu.SCI-CC.PDI.2874	Req	<b>Track element 23</b> Bytes 573 to 592 shall contain the track element ID of the next track element of the TSR location. A track element ID is the identity of a Powered Moveable Element, a TVP Section, a Track Section or a Diamond Crossing according to section 3.3.	007000 007600 310900
Eu.SCI-CC.PDI.2934	Req	If the previous track element is the last track element of the TSR location, then the bytes 573 to 592 shall contain 20 times the NULL character (0x00).	007000 007600 310900
Eu.SCI-CC.PDI.2875	Req	<b>Track element 24</b> Bytes 593 to 612 shall contain the track element ID of the next track element of the TSR location. A track element ID is the identity of a Powered Moveable Element, a TVP Section, a Track Section or a Diamond Crossing according to section 3.3.	007000 007600 310900
Eu.SCI-CC.PDI.2935	Req	If the previous track element is the last track element of the TSR location, then the bytes 593 to 612 shall contain 20 times the NULL character (0x00).	007000 007600 310900
Eu.SCI-CC.PDI.2876	Req	<b>Track element 25</b> Bytes 613 to 632 shall contain the track element ID of the next track element of the TSR location. A track element ID is the identity of a Powered Moveable Element, a TVP Section, a Track Section or a Diamond Crossing according to section 3.3.	007000 007600 310900
Eu.SCI-CC.PDI.2936	Req	If the previous track element is the last track element of the TSR location, then the bytes 613 to 632 shall contain 20 times the NULL character (0x00).	007000 007600 310900
Eu.SCI-CC.PDI.3603	Req	<b>Start Element Section Designator</b> Byte 633 shall be set to one of the following values, to determine on which leg the TSR is to start. If the start element of the TSR is a track section, byte 633 shall be set to 0x01 (Tip). If the start element of the TSR is a track crossing, byte 633 shall be set to 0x02 or 0x04 according to the mapping described for Detected Position of a powered moveable element.  value                      meaning -----                      -----	007600
Eu.SCI-CC.PDI.3604	Req	0x01                      Tip	007600
Eu.SCI-CC.PDI.3610	Req	0x02                      Right	007600
Eu.SCI-CC.PDI.3609	Req	0x03                      Tip and Right	007600
Eu.SCI-CC.PDI.3608	Req	0x04                      Left	007600
Eu.SCI-CC.PDI.3607	Req	0x05                      Tip and Left	007600
Eu.SCI-CC.PDI.3606	Req	0x06                      Reserved	007600
Eu.SCI-CC.PDI.3605	Req	0x07                      Tip, Right and Left	007600

ID	Type	Requirement	Appl.																		
Eu.SCI-CC.PDI.3602	Req	<b>End Element Section Designator</b> Byte 634 shall be set to one of the following values, to determine on which leg the TSR is to end. If the end element of the TSR is a track section, byte 634 shall be set to 0x01 (Tip). If the end element of the TSR is a track crossing, byte 634 shall be set to 0x02 or 0x04 according to the mapping described for Detected Position of a powered moveable element. If the start element of the TSR and the end element of the TSR are identical, the end element section designator shall be set to the start element section designator.  value            meaning ----- 	007600																		
Eu.SCI-CC.PDI.3611	Req	0x01            Tip	007600																		
Eu.SCI-CC.PDI.3618	Req	0x02            Right	007600																		
Eu.SCI-CC.PDI.3619	Req	0x03            Tip and Right	007600																		
Eu.SCI-CC.PDI.3620	Req	0x04            Left	007600																		
Eu.SCI-CC.PDI.3621	Req	0x05            Tip and Left	007600																		
Eu.SCI-CC.PDI.3622	Req	0x06            Reserved	007600																		
Eu.SCI-CC.PDI.3623	Req	0x07            Tip, Right and Left	007600																		
Eu.SCI-CC.PDI.490	Head	<b>3.5.10.2 Command “Manage A Temporary Speed Restriction”</b>	007000 007600 310900																		
Eu.SCI-CC.PDI.2229	Info	This telegram refines the InformationFlow "Cd_Manage_A_Temporary_Speed_Restriction" specified in the requirements specification (ID Eu.CC.2070).	007000 007600 310900																		
Eu.SCI-CC.PDI.491	Info	Telegram definition for command “Manage A Temporary Speed Restriction” <table><tr><th>Byte / Bit</th><th>Content</th></tr><tr><td>00</td><td>Protocol Type: 0x70 (1 Byte binary)</td></tr><tr><td>01..02</td><td>Message Type: 0x0050 or 0X0055 (2 Bytes binary)</td></tr><tr><td>03..22</td><td>Sender: TCS Identifier (20 Bytes text)</td></tr><tr><td>23..42</td><td>Receiver: ILS Identifier (20 Bytes text)</td></tr><tr><td>43..44</td><td>TAN (2 Bytes binary)</td></tr><tr><td>45</td><td>Information Type: 0x5F (1 Byte binary)</td></tr><tr><td>46..65</td><td>TSR ID (20 Bytes text)</td></tr><tr><td>66</td><td>Instruction (1 Byte binary)</td></tr></table>	Byte / Bit	Content	00	Protocol Type: 0x70 (1 Byte binary)	01..02	Message Type: 0x0050 or 0X0055 (2 Bytes binary)	03..22	Sender: TCS Identifier (20 Bytes text)	23..42	Receiver: ILS Identifier (20 Bytes text)	43..44	TAN (2 Bytes binary)	45	Information Type: 0x5F (1 Byte binary)	46..65	TSR ID (20 Bytes text)	66	Instruction (1 Byte binary)	007000 007600 310900
Byte / Bit	Content																				
00	Protocol Type: 0x70 (1 Byte binary)																				
01..02	Message Type: 0x0050 or 0X0055 (2 Bytes binary)																				
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43..44	TAN (2 Bytes binary)																				
45	Information Type: 0x5F (1 Byte binary)																				
46..65	TSR ID (20 Bytes text)																				
66	Instruction (1 Byte binary)																				
Eu.SCI-CC.PDI.492	Req	<b>Message Type</b> Bytes 01 and 02 shall be set to 0x0050 or 0x0055 as defined in section 3.4.1.	007000 007600 310900																		
Eu.SCI-CC.PDI.493	Req	<b>Sender Identifier</b> The message bytes 03..22 shall contain the technical identifier of the TCS according to section 3.2.	007000 007600 310900																		
Eu.SCI-CC.PDI.494	Req	<b>Receiver Identifier</b> The message bytes 23..42 shall contain the technical identifier of the Subsystem - Electronic Interlocking according to section 3.2.	007000 007600 310900																		
Eu.SCI-CC.PDI.3378	Req	<b>TAN</b> Bytes 43 and 44 shall contain a unique transaction number of the command. If the Message Type is set to 0x0055, the transaction number shall be equal to the transaction number used in the command that is being confirmed (see section 3.4.1).	007000 007600 310900																		
Eu.SCI-CC.PDI.495	Req	<b>Information Type</b> Byte 45 shall be set to 0x5F.	007000 007600 310900																		
Eu.SCI-CC.PDI.501	Req	<b>TSR ID</b> Bytes 46 to 65 shall contain a unique TSR identity according to section 3.3.	007000 007600 310900																		
Eu.SCI-CC.PDI.496	Req	<b>Instruction</b> Byte 66 shall be set to one of the following values:  value            information ----- 	007000 007600 310900																		

ID	Type	Requirement		Appl.																
Eu.SCI-CC.PDI.498	Req	0x01	delete TSR	007000 007600 310900																
Eu.SCI-CC.PDI.499	Req	0x02	activate TSR	007000 007600 310900																
Eu.SCI-CC.PDI.500	Req	0x03	deactivate TSR and update affected movement authorities	007000 310900																
Eu.SCI-CC.PDI.2656	Req	0x04	deactivate TSR and do not update affected movement authorities	007000 007600 310900																
Eu.SCI-CC.PDI.545	Head	3.5.10.3 Command "Status Request For All TSR Within A Defined Area"		007000 310900																
Eu.SCI-CC.PDI.2230	Info	This telegram refines the InformationFlow "Cd_Status_Request_For_All_TSR_Within_A_Defined_Area" specified in the requirements specification (ID Eu.CC.2071).		007000 310900																
Eu.SCI-CC.PDI.546	Info	Telegram definition for command "Status Request For All TSR Within A Defined Area" <table><tr><th>Byte / Bit</th><th>Content</th></tr><tr><td>00</td><td>Protocol Type: 0x70 (1 Byte binary)</td></tr><tr><td>01..02</td><td>Message Type: 0x0050 or 0X0055 (2 Bytes binary)</td></tr><tr><td>03..22</td><td>Sender: TCS Identifier (20 Bytes text)</td></tr><tr><td>23..42</td><td>Receiver: ILS Identifier (20 Bytes text)</td></tr><tr><td>43..44</td><td>TAN (2 Bytes binary)</td></tr><tr><td>45</td><td>Information Type: 0x64 (1 Byte binary)</td></tr><tr><td>46..65</td><td>TSR Area ID (20 Bytes text)</td></tr></table>		Byte / Bit	Content	00	Protocol Type: 0x70 (1 Byte binary)	01..02	Message Type: 0x0050 or 0X0055 (2 Bytes binary)	03..22	Sender: TCS Identifier (20 Bytes text)	23..42	Receiver: ILS Identifier (20 Bytes text)	43..44	TAN (2 Bytes binary)	45	Information Type: 0x64 (1 Byte binary)	46..65	TSR Area ID (20 Bytes text)	007000 310900
Byte / Bit	Content																			
00	Protocol Type: 0x70 (1 Byte binary)																			
01..02	Message Type: 0x0050 or 0X0055 (2 Bytes binary)																			
03..22	Sender: TCS Identifier (20 Bytes text)																			
23..42	Receiver: ILS Identifier (20 Bytes text)																			
43..44	TAN (2 Bytes binary)																			
45	Information Type: 0x64 (1 Byte binary)																			
46..65	TSR Area ID (20 Bytes text)																			
Eu.SCI-CC.PDI.547	Req	Message Type Bytes 01 and 02 shall be set to 0x0050 or 0x0055 as defined in section 3.4.1.		007000 310900																
Eu.SCI-CC.PDI.548	Req	Sender Identifier The message bytes 03..22 shall contain the technical identifier of the TCS according to section 3.2.		007000 310900																
Eu.SCI-CC.PDI.549	Req	Receiver Identifier The message bytes 23..42 shall contain the technical identifier of the Subsystem - Electronic Interlocking according to section 3.2.		007000 310900																
Eu.SCI-CC.PDI.3379	Req	TAN Bytes 43 and 44 shall contain a unique transaction number of the command. If the Message Type is set to 0x0055, the transaction number shall be equal to the transaction number used in the command that is being confirmed (see section 3.4.1).		007000 007600 310900																
Eu.SCI-CC.PDI.550	Req	Information Type Byte 45 shall be set to 0x64.		007000 310900																
Eu.SCI-CC.PDI.551	Req	TSR Area ID Bytes 46 to 65 shall contain one of the following TSR Area identities.  value            meaning -----        -----		007000 310900																
Eu.SCI-CC.PDI.552	Req	"RBC"	whole RBC	007000 310900																
Eu.SCI-CC.PDI.553	Req	"WCA"	whole control area	007000 310900																
Eu.SCI-CC.PDI.554	Req	Further identities shall be defined by national requirements.		007000 310900																
Eu.SCI-CC.PDI.3440	Head	3.5.10.4 Command "Update A Temporary Speed Restriction"		310900																
Eu.SCI-CC.PDI.3441	Info	This telegram refines the InformationFlow "Cd_Update_A_Temporary_Speed_Restriction" specified in the requirements specification (ID Eu.CC.2072).		310900																
Eu.SCI-CC.PDI.3442	Info	Telegram definition for command "Update a Temporary Speed Restriction"		310900																



ID	Type	Requirement		Appl.																																																																																																											
		<table><tr><th>Byte / Bit</th><th>Content</th></tr><tr><td>00</td><td>Protocol Type: 0x70 (1 Byte binary)</td></tr><tr><td>01..02</td><td>Message Type: 0x0050 or 0X0055 (2 Bytes binary)</td></tr><tr><td>03..22</td><td>Sender: TCS Identifier (20 Bytes text)</td></tr><tr><td>23..42</td><td>Receiver: ILS Identifier (20 Bytes text)</td></tr><tr><td>43..44</td><td>TAN (2 Bytes binary)</td></tr><tr><td>45</td><td>Information Type: 0x89 (1 Byte binary)</td></tr><tr><td>46..65</td><td>TSR ID (20 Bytes text)</td></tr><tr><td>66</td><td>Speed (1 Byte binary)</td></tr><tr><td>67</td><td>Traction Type Voltage (1 Byte binary)</td></tr><tr><td>68..69</td><td>Traction Type National (2 Bytes binary)</td></tr><tr><td>70..71</td><td>Train Category (2 Bytes binary)</td></tr><tr><td>72</td><td>Axle Load (1 Byte binary)</td></tr><tr><td>73</td><td>Cant Deficiency (1 Byte binary)</td></tr><tr><td>74..75</td><td>Loading Gauge Profile (2 Bytes binary)</td></tr><tr><td>76</td><td>Year for Recommended Activation (1 Byte binary)</td></tr><tr><td>77</td><td>Month for Recommended Activation (1 Byte binary)</td></tr><tr><td>78</td><td>Day for Recommended Activation (1 Byte binary)</td></tr><tr><td>79</td><td>Hours for Recommended Activation (1 Byte binary)</td></tr><tr><td>80</td><td>Minutes for Recommended Activation (1 Byte binary)</td></tr><tr><td>81</td><td>Direction (1 Byte binary)</td></tr><tr><td>82</td><td>Airtight (1 Byte binary)</td></tr><tr><td>83</td><td>Train Length (1 Byte binary)</td></tr><tr><td>84</td><td>Revocable (1 Byte binary)</td></tr><tr><td>85..124</td><td>Text Message (40 Bytes text)</td></tr><tr><td>125..128</td><td>Start location (4 Bytes binary)</td></tr><tr><td>129..132</td><td>End location (4 Bytes binary)</td></tr><tr><td>133..152</td><td>Track element 1 (20 Bytes text)</td></tr><tr><td>153..172</td><td>Track element 2 (20 Bytes text)</td></tr><tr><td>173..192</td><td>Track element 3 (20 Bytes text)</td></tr><tr><td>193..212</td><td>Track element 4 (20 Bytes text)</td></tr><tr><td>213..232</td><td>Track element 5 (20 Bytes text)</td></tr><tr><td>233..252</td><td>Track element 6 (20 Bytes text)</td></tr><tr><td>253..272</td><td>Track element 7 (20 Bytes text)</td></tr><tr><td>273..292</td><td>Track element 8 (20 Bytes text)</td></tr><tr><td>293..312</td><td>Track element 9 (20 Bytes text)</td></tr><tr><td>313..332</td><td>Track element 10 (20 Bytes text)</td></tr><tr><td>333..352</td><td>Track element 11 (20 Bytes text)</td></tr><tr><td>353..372</td><td>Track element 12 (20 Bytes text)</td></tr><tr><td>373..392</td><td>Track element 13 (20 Bytes text)</td></tr><tr><td>393..412</td><td>Track element 14 (20 Bytes text)</td></tr><tr><td>413..432</td><td>Track element 15 (20 Bytes text)</td></tr><tr><td>433..452</td><td>Track element 16 (20 Bytes text)</td></tr><tr><td>453..472</td><td>Track element 17 (20 Bytes text)</td></tr><tr><td>473..492</td><td>Track element 18 (20 Bytes text)</td></tr><tr><td>493..512</td><td>Track element 19 (20 Bytes text)</td></tr><tr><td>513..532</td><td>Track element 20 (20 Bytes text)</td></tr><tr><td>533..552</td><td>Track element 21 (20 Bytes text)</td></tr><tr><td>553..572</td><td>Track element 22 (20 Bytes text)</td></tr><tr><td>573..592</td><td>Track element 23 (20 Bytes text)</td></tr><tr><td>593..612</td><td>Track element 24 (20 Bytes text)</td></tr><tr><td>613..632</td><td>Track element 25 (20 Bytes text)</td></tr><tr><td>633</td><td>Start Element Section Designator (1 Byte text)</td></tr><tr><td>634</td><td>End Element Section Designator (1 Byte text)</td></tr></table>	Byte / Bit	Content	00	Protocol Type: 0x70 (1 Byte binary)	01..02	Message Type: 0x0050 or 0X0055 (2 Bytes binary)	03..22	Sender: TCS Identifier (20 Bytes text)	23..42	Receiver: ILS Identifier (20 Bytes text)	43..44	TAN (2 Bytes binary)	45	Information Type: 0x89 (1 Byte binary)	46..65	TSR ID (20 Bytes text)	66	Speed (1 Byte binary)	67	Traction Type Voltage (1 Byte binary)	68..69	Traction Type National (2 Bytes binary)	70..71	Train Category (2 Bytes binary)	72	Axle Load (1 Byte binary)	73	Cant Deficiency (1 Byte binary)	74..75	Loading Gauge Profile (2 Bytes binary)	76	Year for Recommended Activation (1 Byte binary)	77	Month for Recommended Activation (1 Byte binary)	78	Day for Recommended Activation (1 Byte binary)	79	Hours for Recommended Activation (1 Byte binary)	80	Minutes for Recommended Activation (1 Byte binary)	81	Direction (1 Byte binary)	82	Airtight (1 Byte binary)	83	Train Length (1 Byte binary)	84	Revocable (1 Byte binary)	85..124	Text Message (40 Bytes text)	125..128	Start location (4 Bytes binary)	129..132	End location (4 Bytes binary)	133..152	Track element 1 (20 Bytes text)	153..172	Track element 2 (20 Bytes text)	173..192	Track element 3 (20 Bytes text)	193..212	Track element 4 (20 Bytes text)	213..232	Track element 5 (20 Bytes text)	233..252	Track element 6 (20 Bytes text)	253..272	Track element 7 (20 Bytes text)	273..292	Track element 8 (20 Bytes text)	293..312	Track 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Eu.SCI-CC.PDI.3443	Req	<b>Message Type</b> Bytes 01 and 02 shall be set to 0x0050 or 0x0055 as defined in section 3.4.1.	310900																																																																																																												
Eu.SCI-CC.PDI.3444	Req	<b>Sender Identifier</b> The message bytes 03..22 shall contain the technical identifier of the TCS according to section 3.2.	310900																																																																																																												
Eu.SCI-CC.PDI.3445	Req	<b>Receiver Identifier</b> The message bytes 23..42 shall contain the technical identifier of the Subsystem - Electronic Interlocking according to section 3.2.	310900																																																																																																												

ID	Type	Requirement	Appl.
Eu.SCI-CC.PDI.3446	Req	<b>TAN</b> Bytes 43 and 44 shall contain a unique transaction number of the command. If the Message Type is set to 0x0055, the transaction number shall be equal to the transaction number used in the command that is being confirmed (see section 3.4.1).	310900
Eu.SCI-CC.PDI.3447	Req	<b>Information Type</b> Byte 45 shall be set to 0x89.	310900
Eu.SCI-CC.PDI.3448	Req	<b>TSR ID</b> Bytes 46 to 65 shall contain a unique TSR identity according to section 3.3.	310900
Eu.SCI-CC.PDI.3449	Info	In defining a TSR, the parameters below should be treated as AND conditions. OR conditions will require separate TSR IDs over the same section.	310900
Eu.SCI-CC.PDI.3450	Req	<b>Speed</b> Byte 66 shall contain a binary value between 0x00 and 0x79 representing speed in 5km/h increments.	310900
Eu.SCI-CC.PDI.3451	Req	<b>Traction Type Voltage</b> Byte 67 shall be set to one of the following values, representing the traction type voltage for which the TSR is valid:	310900
		value            meaning -----        -	
Eu.SCI-CC.PDI.3452	Req	0x80            Line not fitted with any traction system	310900
Eu.SCI-CC.PDI.3453	Req	0x81            AC 25 kV 50 Hz	310900
Eu.SCI-CC.PDI.3454	Req	0x82            AC 15 kV 16.7 Hz	310900
Eu.SCI-CC.PDI.3455	Req	0x83            DC 3 kV	310900
Eu.SCI-CC.PDI.3456	Req	0x84            DC 1.5 kV	310900
Eu.SCI-CC.PDI.3457	Req	0x85            DC 600/750 V	310900
Eu.SCI-CC.PDI.3458	Req	0xFE            All traction types	310900
Eu.SCI-CC.PDI.3459	Req	0xFF            Traction Type Voltage not applicable	999900
Eu.SCI-CC.PDI.3460	Req	<b>Traction Type National</b> Bytes 68 to 69 shall be set to one of the following values, representing the traction type national for which the TSR is valid:	310900
		value            meaning -----        -	
Eu.SCI-CC.PDI.3461	Req	0x8000..0x83FF Country identifier of the traction system as defined by national requirements	310900
Eu.SCI-CC.PDI.3462	Req	0xFFFF            Traction Type National not applicable	999900
Eu.SCI-CC.PDI.3463	Req	<b>Train Category</b> Bytes 70 and 71 shall be set to one of the following values, representing the train category for which the TSR is valid:	310900
		value            meaning -----        -	
Eu.SCI-CC.PDI.3464	Req	0x8000            train does not belong to any of the "Other International" Train Category	007600 310900
Eu.SCI-CC.PDI.3465	Req	0x8001            freight train in "P" position	007600 310900
Eu.SCI-CC.PDI.3466	Req	0x8002            freight train in "G" position	007600 310900
Eu.SCI-CC.PDI.3467	Req	0x8003            freight train in "P" and "G" position	007600 310900
Eu.SCI-CC.PDI.3468	Req	0x8004            passenger train	007600 310900
Eu.SCI-CC.PDI.3469	Req	0x8005            passenger train and freight train in "P" position	007600 310900
Eu.SCI-CC.PDI.3470	Req	0x8006            passenger train and freight train in "G" position	007600 310900

ID	Type	Requirement		Appl.				
Eu.SCI-CC.PDI.3471	Req	0x8007	passenger train and freight train in "P" and "G" position	007600 310900				
Eu.SCI-CC.PDI.3472	Req	0xFFFE	All train categories	007600 310900				
Eu.SCI-CC.PDI.3473	Req	0xFFFF	Train Category not applicable	310900				
Eu.SCI-CC.PDI.3474	Req	<b>Axle Load Categories</b> Byte 72 shall be set to one of the following values, representing the Axle Load Categories at, or above which, the TSR is valid: <table><tr><td>value</td><td>meaning</td></tr><tr><td>-----</td><td>-----</td></tr></table>		value	meaning	-----	-----	310900
value	meaning							
-----	-----							
Eu.SCI-CC.PDI.3475	Req	0x80	A	310900				
Eu.SCI-CC.PDI.3476	Req	0x81	HS17	310900				
Eu.SCI-CC.PDI.3477	Req	0x82	B1	310900				
Eu.SCI-CC.PDI.3478	Req	0x83	B2	310900				
Eu.SCI-CC.PDI.3479	Req	0x84	C2	310900				
Eu.SCI-CC.PDI.3480	Req	0x85	C3	310900				
Eu.SCI-CC.PDI.3481	Req	0x86	C4	310900				
Eu.SCI-CC.PDI.3482	Req	0x87	D2	310900				
Eu.SCI-CC.PDI.3483	Req	0x88	D3	310900				
Eu.SCI-CC.PDI.3484	Req	0x89	D4	310900				
Eu.SCI-CC.PDI.3485	Req	0x8A	D4XL	310900				
Eu.SCI-CC.PDI.3486	Req	0x8B	E4	310900				
Eu.SCI-CC.PDI.3487	Req	0x8C	E5	310900				
Eu.SCI-CC.PDI.3488	Req	0xFE	all axle load categories	999900				
Eu.SCI-CC.PDI.3489	Req	0xFF	Axle Load Categories not applicable	310900				
Eu.SCI-CC.PDI.3490	Req	<b>Cant Deficiency Category</b> Byte 73 shall be set to one of the following values, representing the cant deficiency category at or above which the TSR is valid: <table><tr><td>value</td><td>meaning</td></tr><tr><td>-----</td><td>-----</td></tr></table>		value	meaning	-----	-----	310900
value	meaning							
-----	-----							
Eu.SCI-CC.PDI.3491	Req	0x80	80 mm	310900				
Eu.SCI-CC.PDI.3492	Req	0x81	100 mm	310900				
Eu.SCI-CC.PDI.3493	Req	0x82	130 mm	310900				
Eu.SCI-CC.PDI.3494	Req	0x83	150 mm	310900				
Eu.SCI-CC.PDI.3495	Req	0x84	165 mm	310900				
Eu.SCI-CC.PDI.3496	Req	0x85	180 mm	310900				
Eu.SCI-CC.PDI.3497	Req	0x86	210 mm	310900				
Eu.SCI-CC.PDI.3498	Req	0x87	225 mm	310900				

ID	Type	Requirement		Appl.
Eu.SCI-CC.PDI.3499	Req	0x88	245 mm	310900
Eu.SCI-CC.PDI.3500	Req	0x89	275 mm	310900
Eu.SCI-CC.PDI.3501	Req	0x8A	300 mm	310900
Eu.SCI-CC.PDI.3502	Req	0xFE	all cant deficiency categories	310900
Eu.SCI-CC.PDI.3503	Req	0xFF	Cant Deficiency Categories not applicable	310900
Eu.SCI-CC.PDI.3504	Req	<b>Loading Gauge Profile</b> Bytes 74 and 75 shall be set to one of the following values, representing the Loading Gauge Profile at or above which the TSR is valid:  value                      meaning -----                      -----		310900
Eu.SCI-CC.PDI.3505	Req	0x8000	train does not fit any loading gauge profile	310900
Eu.SCI-CC.PDI.3506	Req	0x8001	G1	310900
Eu.SCI-CC.PDI.3507	Req	0x8002	GA	310900
Eu.SCI-CC.PDI.3508	Req	0x8003	GB	310900
Eu.SCI-CC.PDI.3509	Req	0x8004	GC	310900
Eu.SCI-CC.PDI.3510	Req	0x8100..0x81FF Loading Gauge Profiles as defined by national requirements		310900
Eu.SCI-CC.PDI.3511	Req	0xFFFE	all loading gauge profiles	310900
Eu.SCI-CC.PDI.3512	Req	0xFFFF	Loading Gauge Profile not applicable	999900
Eu.SCI-CC.PDI.3513	Req	<b>Year for Recommended Activation</b> Byte 76 shall contain a value representing the year in Binary Coded Decimal within the range 00 to 99.		310900
Eu.SCI-CC.PDI.3514	Req	0xFF shall be used where Year for Recommended Activation is not applicable.		999900
Eu.SCI-CC.PDI.3515	Req	<b>Month for Recommended Activation</b> Byte 77 shall contain a value representing the month in Binary Coded Decimal within the range 01 to 12.		310900
Eu.SCI-CC.PDI.3516	Req	0xFF shall be used where Month for Recommended Activation is not applicable.		999900
Eu.SCI-CC.PDI.3517	Req	<b>Day for Recommended Activation</b> Byte 78 shall contain a value representing the day in Binary Coded Decimal within the range 01 to 31.		310900
Eu.SCI-CC.PDI.3518	Req	0xFF shall be used where Day for Recommended Activation is not applicable.		999900
Eu.SCI-CC.PDI.3519	Req	<b>Hours for Recommended Activation</b> Byte 79 shall contain a value representing hours (24 hour clock) in Binary Coded Decimal within the range 00 to 23.		310900
Eu.SCI-CC.PDI.3520	Req	0xFF shall be used where Hours for Recommended Activation is not applicable.		999900
Eu.SCI-CC.PDI.3521	Req	<b>Minutes for Recommended Activation</b> Byte 80 shall contain a value representing minutes in Binary Coded Decimal within the range 00 to 59.		310900
Eu.SCI-CC.PDI.3522	Req	0xFF shall be used where Minutes for Recommended Activation is not applicable.		999900
Eu.SCI-CC.PDI.3523	Req	<b>Direction</b> Byte 81 shall be set to one of the following values, representing the direction in which the TSR applies:  value                      meaning -----                      -----		310900
Eu.SCI-CC.PDI.3524	Req	0x01	single direction (Start-to-End)	310900
Eu.SCI-CC.PDI.3525	Req	0x02	both directions (Start-to-End and End-to-Start)	310900
Eu.SCI-CC.PDI.3526	Req	<b>Airtight</b> Byte 82 shall be set to one of the following values, representing whether or not the TSR is valid for trains with an airtight system present:  value                      meaning -----                      -----		310900

ID	Type	Requirement	Appl.
Eu.SCI-CC.PDI.3527	Req	0x80            not fitted	310900
Eu.SCI-CC.PDI.3528	Req	0x81            fitted	310900
Eu.SCI-CC.PDI.3529	Req	0xFE            All Airtight categories	310900
Eu.SCI-CC.PDI.3530	Req	0xFF            Airtight not applicable	999900
Eu.SCI-CC.PDI.3531	Req	<b>Train Length Delay</b> Byte 83 shall be set to one of the following values, representing whether the TSR applies until the front or the rear of the train has passed the End location of the TSR:  value            meaning -----        -----	007600 310900
Eu.SCI-CC.PDI.3532	Req	0x01            rear (train length delay)	007600 310900
Eu.SCI-CC.PDI.3533	Req	0x02            front (no train length delay)	310900
Eu.SCI-CC.PDI.3534	Req	<b>Revocable</b> Byte 84 shall be set to one of the following values, representing whether the TSR is revocable:  value            meaning -----        -----	310900
Eu.SCI-CC.PDI.3535	Req	0x01            revocable	310900
Eu.SCI-CC.PDI.3536	Req	0x02            non-revocable	310900
Eu.SCI-CC.PDI.3537	Req	0x03            non specified	310900
Eu.SCI-CC.PDI.3538	Req	0xFF            Revocable not applicable	999900
Eu.SCI-CC.PDI.3539	Req	<b>Text Message</b> Bytes 85 to 124 shall contain a text message, in accordance with section 2.4, intended for display to the driver.	310900
Eu.SCI-CC.PDI.3540	Req	<b>Start location</b> Bytes 125 to 128 shall contain a value between 0x0000 0001 and 0xFFFF FFFE giving the start location of the TSR inside the first track element.	310900
Eu.SCI-CC.PDI.3541	Req	<b>End location</b> Bytes 129 to 132 shall contain a value between 0x0000 0001 and 0xFFFF FFFE giving the end position of the TSR inside the last track element.	310900
Eu.SCI-CC.PDI.3542	Info	The start and end locations should refer to a common location reference shared between the TCS and the ILS as defined by national requirements.	310900
Eu.SCI-CC.PDI.3543	Req	Bytes 133 to 632 shall contain 500 times NULL character (0x00) where the track elements of the TSR location are not applicable.	310900
Eu.SCI-CC.PDI.3544	Req	<b>Track element 1</b> Bytes 133 to 152 shall contain the track element ID of the first track element of the TSR location. A track element ID is the identity of a Powered Moveable Element, a TVP Section, a Track Section or a Diamond Crossing according to section 3.3.	310900
Eu.SCI-CC.PDI.3545	Req	<b>Track element 2</b> Bytes 153 to 172 shall contain the track element ID of the next track element of the TSR location. A track element ID is the identity of a Powered Moveable Element, a TVP Section, a Track Section or a Diamond Crossing according to section 3.3.	310900
Eu.SCI-CC.PDI.3546	Req	If the previous track element is the last track element of the TSR location, then the bytes 153 to 172 shall contain 20 times the NULL character (0x00).	310900
Eu.SCI-CC.PDI.3547	Req	<b>Track element 3</b> Bytes 173 to 192 shall contain the track element ID of the next track element of the TSR location. A track element ID is the identity of a Powered Moveable Element, a TVP Section, a Track Section or a Diamond Crossing according to section 3.3.	310900
Eu.SCI-CC.PDI.3548	Req	If the previous track element is the last track element of the TSR location, then the bytes 173 to 192 shall contain 20 times the NULL character (0x00).	310900
Eu.SCI-CC.PDI.3549	Req	<b>Track element 4</b> Bytes 193 to 212 shall contain the track element ID of the next track element of the TSR location. A track element ID is the identity of a Powered Moveable Element, a TVP Section, a Track Section or a Diamond Crossing according to section 3.3.	310900
Eu.SCI-CC.PDI.3550	Req	If the previous track element is the last track element of the TSR location, then the bytes 193 to 212 shall contain 20 times the NULL character (0x00).	310900
Eu.SCI-CC.PDI.3551	Req	<b>Track element 5</b> Bytes 213 to 232 shall contain the track element ID of the next track element of the TSR location. A track element ID is the identity of a Powered Moveable Element, a TVP Section, a Track Section or a Diamond Crossing according to section 3.3.	310900
Eu.SCI-CC.PDI.3552	Req	If the previous track element is the last track element of the TSR location, then the bytes 213 to 232 shall contain 20 times the NULL character (0x00).	310900

[illegible]

ID	Type	Requirement	Appl.
Eu.SCI-CC.PDI.3579	Req	<b>Track element 19</b> Bytes 493 to 512 shall contain the track element ID of the next track element of the TSR location. A track element ID is the identity of a Powered Moveable Element, a TVP Section, a Track Section or a Diamond Crossing according to section 3.3.	310900
Eu.SCI-CC.PDI.3580	Req	If the previous track element is the last track element of the TSR location, then the bytes 493 to 512 shall contain 20 times the NULL character (0x00).	310900
Eu.SCI-CC.PDI.3581	Req	<b>Track element 20</b> Bytes 513 to 532 shall contain the track element ID of the next track element of the TSR location. A track element ID is the identity of a Powered Moveable Element, a TVP Section, a Track Section or a Diamond Crossing according to section 3.3.	310900
Eu.SCI-CC.PDI.3582	Req	If the previous track element is the last track element of the TSR location, then the bytes 513 to 532 shall contain 20 times the NULL character (0x00).	310900
Eu.SCI-CC.PDI.3583	Req	<b>Track element 21</b> Bytes 533 to 552 shall contain the track element ID of the next track element of the TSR location. A track element ID is the identity of a Powered Moveable Element, a TVP Section, a Track Section or a Diamond Crossing according to section 3.3.	310900
Eu.SCI-CC.PDI.3584	Req	If the previous track element is the last track element of the TSR location, then the bytes 533 to 552 shall contain 20 times the NULL character (0x00).	310900
Eu.SCI-CC.PDI.3585	Req	<b>Track element 22</b> Bytes 553 to 572 shall contain the track element ID of the next track element of the TSR location. A track element ID is the identity of a Powered Moveable Element, a TVP Section, a Track Section or a Diamond Crossing according to section 3.3.	310900
Eu.SCI-CC.PDI.3586	Req	If the previous track element is the last track element of the TSR location, then the bytes 553 to 572 shall contain 20 times the NULL character (0x00).	310900
Eu.SCI-CC.PDI.3587	Req	<b>Track element 23</b> Bytes 573 to 592 shall contain the track element ID of the next track element of the TSR location. A track element ID is the identity of a Powered Moveable Element, a TVP Section, a Track Section or a Diamond Crossing according to section 3.3.	310900
Eu.SCI-CC.PDI.3588	Req	If the previous track element is the last track element of the TSR location, then the bytes 573 to 592 shall contain 20 times the NULL character (0x00).	310900
Eu.SCI-CC.PDI.3589	Req	<b>Track element 24</b> Bytes 593 to 612 shall contain the track element ID of the next track element of the TSR location. A track element ID is the identity of a Powered Moveable Element, a TVP Section, a Track Section or a Diamond Crossing according to section 3.3.	310900
Eu.SCI-CC.PDI.3590	Req	If the previous track element is the last track element of the TSR location, then the bytes 593 to 612 shall contain 20 times the NULL character (0x00).	310900
Eu.SCI-CC.PDI.3591	Req	<b>Track element 25</b> Bytes 613 to 632 shall contain the track element ID of the next track element of the TSR location. A track element ID is the identity of a Powered Moveable Element, a TVP Section, a Track Section or a Diamond Crossing according to section 3.3.	310900
Eu.SCI-CC.PDI.3592	Req	If the previous track element is the last track element of the TSR location, then the bytes 613 to 632 shall contain 20 times the NULL character (0x00).	310900
Eu.SCI-CC.PDI.3668	Req	<b>Start Element Section Designator</b> Byte 633 shall be set to one of the following values, to determine on which leg the TSR is to start. If the start element of the TSR is a track section, byte 633 shall be set to 0x01 (Tip). If the start element of the TSR is a track crossing, byte 633 shall be set to 0x02 or 0x04 according to the mapping described for Detected Position of a powered moveable element.  value            meaning -----    -----	310900
Eu.SCI-CC.PDI.3669	Req	0x01            Tip	310900
Eu.SCI-CC.PDI.3670	Req	0x02            Right	310900
Eu.SCI-CC.PDI.3671	Req	0x03            Tip and Right	310900
Eu.SCI-CC.PDI.3672	Req	0x04            Left	310900
Eu.SCI-CC.PDI.3673	Req	0x05            Tip and Left	310900
Eu.SCI-CC.PDI.3674	Req	0x06            Reserved	310900
Eu.SCI-CC.PDI.3675	Req	0x07            Tip, Right and Left	310900
Eu.SCI-CC.PDI.3676	Req	<b>End Element Section Designator</b> Byte 634 shall be set to one of the following values, to determine on which leg the TSR is to end. If the end element of the TSR is a track section, byte 634 shall be set to 0x01 (Tip). If the end element of the TSR is a track crossing, byte 634 shall be set to 0x02 or 0x04 according to the mapping described for Detected Position of a powered moveable element. If the start element of the TSR and the end element of the TSR are identical, the end element section designator shall be set to the start element section designator.  value            meaning -----    -----	310900
Eu.SCI-CC.PDI.3677	Req	0x01            Tip	310900
Eu.SCI-CC.PDI.3678	Req	0x02            Right	310900

ID	Type	Requirement	Appl.
Eu.SCI-CC.PDI.3679	Req	0x03      Tip and Right	310900
Eu.SCI-CC.PDI.3680	Req	0x04      Left	310900
Eu.SCI-CC.PDI.3681	Req	0x05      Tip and Left	310900
Eu.SCI-CC.PDI.3682	Req	0x06      Reserved	310900
Eu.SCI-CC.PDI.3683	Req	0x07      Tip, Right and Left	310900
Eu.SCI-CC.PDI.1369	Head	<b>3.5.10.5 Message “TSR Status Report”</b>	007000 007600 310900
Eu.SCI-CC.PDI.2269	Info	This telegram refines the InformationFlow "Msg_TSR_Status_Report" specified in the requirements specification (ID Eu.CC.2074).	007000 007600 310900
Eu.SCI-CC.PDI.1370	Info	Telegram definition for status message “TSR Status Report”	007000 007600 310900



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		<table><tr><th>Byte / Bit</th><th>Content</th></tr><tr><td>00</td><td>Protocol Type: 0x70 (1 Byte binary)</td></tr><tr><td>01..02</td><td>Message Type: 0x0040 (2 Bytes binary)</td></tr><tr><td>03..22</td><td>Sender: ILS Identifier (20 Bytes text)</td></tr><tr><td>23..42</td><td>Receiver: TCS Identifier (20 Bytes text)</td></tr><tr><td>43</td><td>Information Type: 0x12 (1 Byte binary)</td></tr><tr><td>44..63</td><td>TSR ID (20 Bytes text)</td></tr><tr><td>64</td><td>TSR Status (1 Byte binary)</td></tr><tr><td>65</td><td>Speed (1 Byte binary)</td></tr><tr><td>66</td><td>Traction Type Voltage (1 Byte binary)</td></tr><tr><td>67..68</td><td>Traction Type National (2 Bytes binary)</td></tr><tr><td>69..70</td><td>Train Category (2 Bytes binary)</td></tr><tr><td>71</td><td>Axle Load Category (1 Byte binary)</td></tr><tr><td>72</td><td>Cant Deficiency (1 Byte binary)</td></tr><tr><td>73..74</td><td>Loading Gauge Profile (2 Bytes binary)</td></tr><tr><td>75</td><td>Year for Recommended Activation (1 Byte binary)</td></tr><tr><td>76</td><td>Month for Recommended Activation (1 Byte binary)</td></tr><tr><td>77</td><td>Day for Recommended Activation (1 Byte binary)</td></tr><tr><td>78</td><td>Hours for Recommended Activation (1 Byte binary)</td></tr><tr><td>79</td><td>Minutes for Recommended Activation (1 Byte binary)</td></tr><tr><td>80</td><td>Direction (1 Byte binary)</td></tr><tr><td>81</td><td>Airtight (1 Byte binary)</td></tr><tr><td>82</td><td>Train Length Delay (1 Byte binary)</td></tr><tr><td>83</td><td>Revocable (1 Byte binary)</td></tr><tr><td>84..123</td><td>Text Message (40 Bytes text)</td></tr><tr><td>124..127</td><td>Start location (4 Bytes binary)</td></tr><tr><td>128..131</td><td>End location (4 Bytes binary)</td></tr><tr><td>132..151</td><td>Track element 1 (20 Bytes text)</td></tr><tr><td>152..171</td><td>Track element 2 (20 Bytes text)</td></tr><tr><td>172..191</td><td>Track element 3 (20 Bytes text)</td></tr><tr><td>192..211</td><td>Track element 4 (20 Bytes text)</td></tr><tr><td>212..231</td><td>Track element 5 (20 Bytes text)</td></tr><tr><td>232..251</td><td>Track element 6 (20 Bytes text)</td></tr><tr><td>252..271</td><td>Track element 7 (20 Bytes text)</td></tr><tr><td>272..291</td><td>Track element 8 (20 Bytes text)</td></tr><tr><td>292..311</td><td>Track element 9 (20 Bytes text)</td></tr><tr><td>312..331</td><td>Track element 10 (20 Bytes text)</td></tr><tr><td>332..351</td><td>Track element 11 (20 Bytes text)</td></tr><tr><td>352..371</td><td>Track element 12 (20 Bytes text)</td></tr><tr><td>372..391</td><td>Track element 13 (20 Bytes text)</td></tr><tr><td>392..411</td><td>Track element 14 (20 Bytes text)</td></tr><tr><td>412..431</td><td>Track element 15 (20 Bytes text)</td></tr><tr><td>432..451</td><td>Track element 16 (20 Bytes text)</td></tr><tr><td>452..471</td><td>Track element 17 (20 Bytes text)</td></tr><tr><td>472..491</td><td>Track element 18 (20 Bytes text)</td></tr><tr><td>492..511</td><td>Track element 19 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Eu.SCI-CC.PDI.1371	Req	<b>Message Type</b> Bytes 01 and 02 shall be set to 0x0040.	007000 007600 310900																																																																																																													
Eu.SCI-CC.PDI.1372	Req	<b>SenderIdentifier</b> The message bytes 03..22 shall contain the technical identifier of the Subsystem - Electronic Interlocking according to section 3.2.	007000 007600 310900																																																																																																													
Eu.SCI-CC.PDI.1373	Req	<b>Receiver Identifier</b> The message bytes 23..42 shall contain the technical identifier of the TCS according to section 3.2.	007000 007600 310900																																																																																																													

ID	Type	Requirement	Appl.
Eu.SCI-CC.PDI.1374	Req	<b>Information Type</b> The message byte 43 shall be set to 0x12.	007000 007600 310900
Eu.SCI-CC.PDI.1375	Req	<b>TSR ID</b> Bytes 44 to 63 shall contain a unique TSR identity according to section 3.3.	007000 007600 310900
Eu.SCI-CC.PDI.2528	Req	<b>TSR Status</b> Byte 64 shall be set to one of the following values:  value                      meaning -----                      -----	007000 007600 310900
Eu.SCI-CC.PDI.2529	Req	0x01                      TSR active	007000 007600 310900
Eu.SCI-CC.PDI.2530	Req	0x02                      TSR inactive	007000 007600 310900
Eu.SCI-CC.PDI.2531	Req	0x03                      TSR status unknown	007000 310900
Eu.SCI-CC.PDI.1376	Req	<b>Speed</b> Byte 65 shall contain a value between 0x00 and 0xFE representing speed in 5km/h increments.	007000 007600 310900
Eu.SCI-CC.PDI.2354	Req	0xFF shall be used where Speed is not applicable.	999900
Eu.SCI-CC.PDI.1379	Req	<b>Traction Type Voltage</b> Byte 66 shall be set to one of the following values:  value                      meaning -----                      -----	007000 007600 310900
Eu.SCI-CC.PDI.1380	Req	0x80                      Line not fitted with any traction system	007000
Eu.SCI-CC.PDI.2355	Req	0x81                      AC 25 kV 50 Hz	007000
Eu.SCI-CC.PDI.3225	Req	0x82                      AC 15 kV 16.7 Hz	007000
Eu.SCI-CC.PDI.3226	Req	0x83                      DC 3 kV	007000
Eu.SCI-CC.PDI.3227	Req	0x84                      DC 1.5 kV	007000
Eu.SCI-CC.PDI.3228	Req	0x85                      DC 600/750 V	007000
Eu.SCI-CC.PDI.3229	Req	0xFE                      All traction types	007000
Eu.SCI-CC.PDI.2356	Req	0xFF                      Traction Type not applicable	007600 310900
Eu.SCI-CC.PDI.3230	Req	<b>Traction Type National</b> Bytes 67 and 68 shall be set to one of the following values, representing the traction type national for which the TSR is valid:  value                      meaning -----                      -----	007000 007600 310900
Eu.SCI-CC.PDI.3231	Req	0x8000..0x83FF Country identifier of the traction system as defined by national requirements	007000 310900
Eu.SCI-CC.PDI.3232	Req	0xFFFF                      Traction Type National not applicable	007600
Eu.SCI-CC.PDI.1381	Req	<b>Train Category</b> Bytes 69 and 70 shall be set to one of the following values:  value                      meaning -----                      -----	007000 007600 310900
Eu.SCI-CC.PDI.3233	Req	0x8000                      train does not belong to any of the "Other International" Train Category	007000 007600

ID	Type	Requirement		Appl.
Eu.SCI-CC.PDI.2357	Req	0x8001	freight train in "P" position	007000 007600
Eu.SCI-CC.PDI.3082	Req	0x8002	freight train in "G" position	007000 007600
Eu.SCI-CC.PDI.3083	Req	0x8003	freight train in "P" and "G" position	007000 007600
Eu.SCI-CC.PDI.3084	Req	0x8004	passenger train	007000 007600
Eu.SCI-CC.PDI.3085	Req	0x8005	passenger train and freight train in "P" position	007000 007600
Eu.SCI-CC.PDI.3086	Req	0x8006	passenger train and freight train in "G" position	007000 007600
Eu.SCI-CC.PDI.3087	Req	0x8007	passenger train and freight train in "P" and "G" position	007000 007600
Eu.SCI-CC.PDI.3234	Req	0xFFFE	all train categories	007000 007600
Eu.SCI-CC.PDI.2359	Req	0xFFFF	Train Category not applicable	310900
Eu.SCI-CC.PDI.1382	Req	<b>Axle Load Category</b> Byte 71 shall be set to one of the following values, representing the Axle Load Categories at or above which the TSR is valid:  value                      meaning -----                      -----		007000 007600 310900
Eu.SCI-CC.PDI.2321	Req	0x80	A	007000 007600
Eu.SCI-CC.PDI.3088	Req	0x81	HS17	007000 007600
Eu.SCI-CC.PDI.3089	Req	0x82	B1	007000 007600
Eu.SCI-CC.PDI.3090	Req	0x83	B2	007000 007600
Eu.SCI-CC.PDI.3091	Req	0x84	C2	007000 007600
Eu.SCI-CC.PDI.3092	Req	0x85	C3	007000 007600
Eu.SCI-CC.PDI.3093	Req	0x86	C4	007000 007600
Eu.SCI-CC.PDI.3094	Req	0x87	D2	007000 007600
Eu.SCI-CC.PDI.3095	Req	0x88	D3	007000 007600
Eu.SCI-CC.PDI.3096	Req	0x89	D4	007000 007600
Eu.SCI-CC.PDI.3097	Req	0x8A	D4XL	007000 007600
Eu.SCI-CC.PDI.3098	Req	0x8B	E4	007000 007600
Eu.SCI-CC.PDI.3099	Req	0x8C	E5	007000 007600

ID	Type	Requirement		Appl.				
Eu.SCI-CC.PDI.3100	Req	0xFE	all axle load categories	007000				
Eu.SCI-CC.PDI.2323	Req	0xFF	Axle Load Categories not applicable	310900				
Eu.SCI-CC.PDI.1383	Req	<b>Cant Deficiency</b> Byte 72 shall be set to one of the following values, representing the cant deficiency category at or above which the TSR is valid: <table><tr><td>value</td><td>meaning</td></tr><tr><td>-----</td><td>-----</td></tr></table>		value	meaning	-----	-----	007000 007600 310900
value	meaning							
-----	-----							
Eu.SCI-CC.PDI.2360	Req	0x80	80 mm	007000 007600				
Eu.SCI-CC.PDI.3101	Req	0x81	100 mm	007000 007600				
Eu.SCI-CC.PDI.3102	Req	0x82	130 mm	007000 007600				
Eu.SCI-CC.PDI.3103	Req	0x83	150 mm	007000 007600				
Eu.SCI-CC.PDI.3104	Req	0x84	165 mm	007000 007600				
Eu.SCI-CC.PDI.3105	Req	0x85	180 mm	007000 007600				
Eu.SCI-CC.PDI.3106	Req	0x86	210 mm	007000 007600				
Eu.SCI-CC.PDI.3107	Req	0x87	225 mm	007000 007600				
Eu.SCI-CC.PDI.3108	Req	0x88	245 mm	007000 007600				
Eu.SCI-CC.PDI.3109	Req	0x89	275 mm	007000 007600				
Eu.SCI-CC.PDI.3110	Req	0x8A	300 mm	007000 007600				
Eu.SCI-CC.PDI.3111	Req	0xFE	all cant deficiency categories	007000 007600				
Eu.SCI-CC.PDI.2362	Req	0xFF	Cant Deficiency not applicable	310900				
Eu.SCI-CC.PDI.1384	Req	<b>Loading Gauge Profile</b> Bytes 73 and 74 shall be set to one of the following values, representing the Loading Gauge Profile at or above which the TSR is valid: <table><tr><td>value</td><td>meaning</td></tr><tr><td>-----</td><td>-----</td></tr></table>		value	meaning	-----	-----	007000 007600 310900
value	meaning							
-----	-----							
Eu.SCI-CC.PDI.1385	Req	0x8000	train does not fit any loading gauge profile	007000				
Eu.SCI-CC.PDI.3235	Req	0x8001	G1	007000				
Eu.SCI-CC.PDI.3236	Req	0x8002	GA	007000				
Eu.SCI-CC.PDI.3237	Req	0x8003	GB	007000				
Eu.SCI-CC.PDI.3238	Req	0x8004	GC	007000				
Eu.SCI-CC.PDI.2363	Req	0x8100..0x81FF loading gauge profile as defined by national requirements		007000				
Eu.SCI-CC.PDI.2364	Req	0xFFFF	Loading Gauge Profile not applicable	007600 310900				

ID	Type	Requirement	Appl.
Eu.SCI-CC.PDI.1390	Req	<b>Year for Recommended Activation</b> Byte 75 shall contain a value representing the year in Binary Coded Decimal within the range 00 to 99.	007600 310900
Eu.SCI-CC.PDI.2369	Req	0xFF shall be used where Year for Recommended Activation is not applicable.	007000
Eu.SCI-CC.PDI.1389	Req	<b>Month for Recommended Activation</b> Byte 76 shall contain a value representing the month in Binary Coded Decimal within the range 01 to 12.	007600 310900
Eu.SCI-CC.PDI.2368	Req	0xFF shall be used where Month for Recommended Activation is not applicable.	007000
Eu.SCI-CC.PDI.1388	Req	<b>Day for Recommended Activation</b> Byte 77 shall contain a value representing the day in Binary Coded Decimal within the range 01 to 31.	007600 310900
Eu.SCI-CC.PDI.2367	Req	0xFF shall be used where Days for Recommended Activation is not applicable.	007000
Eu.SCI-CC.PDI.1386	Req	<b>Hours for Recommended Activation</b> Byte 78 shall contain a value representing hours (24 hour clock) in Binary Coded Decimal within the range 00 to 23.	007600 310900
Eu.SCI-CC.PDI.2365	Req	0xFF shall be used where Hours for Recommended Activation is not applicable.	007000
Eu.SCI-CC.PDI.1387	Req	<b>Minutes for Recommended Activation</b> Byte 79 shall contain a value representing minutes in Binary Coded Decimal within the range 00 to 59.	007600 310900
Eu.SCI-CC.PDI.2366	Req	0xFF shall be used where Minutes for Recommended Activation is not applicable.	007000
Eu.SCI-CC.PDI.1391	Info	The time and date information in bytes 75 to 79 facilitates the ILS or RBC prompting the TCS to activate the defined TSR.	007600 310900
Eu.SCI-CC.PDI.1393	Req	<b>Direction</b> Byte 80 shall be set to one of the following values:  value            meaning -----    -----	007000 007600 310900
Eu.SCI-CC.PDI.1394	Req	0x01            single direction (Start-to-End)	007000 007600 310900
Eu.SCI-CC.PDI.1395	Req	0x02            both directions (default)	007000 007600 310900
Eu.SCI-CC.PDI.1396	Req	<b>Airtight</b> Byte 81 shall be set to one of the following values:  value            meaning -----    -----	007000 007600 310900
Eu.SCI-CC.PDI.1397	Req	0x80            not fitted	007000 310900
Eu.SCI-CC.PDI.1398	Req	0x81            fitted	007000 310900
Eu.SCI-CC.PDI.1399	Req	0xFE            All Airtight categories	007000 310900
Eu.SCI-CC.PDI.2414	Req	0xFF            Airtight not applicable	007600
Eu.SCI-CC.PDI.1400	Req	<b>Train Length Delay</b> Byte 82 shall be set to one of the following values:  value            meaning -----    -----	007000 007600 310900
Eu.SCI-CC.PDI.1401	Req	0x01            Train Length Delay applies (TSR applies until the rear of the train has passed the End location)	007000 007600 310900
Eu.SCI-CC.PDI.1402	Req	0x02            no Train Length Delay applies (TSR applies until the front of the train has passed the End location)	007000 310900

ID	Type	Requirement	Appl.				
Eu.SCI-CC.PDI.1403	Req	<b>Revocable</b> Byte 83 shall be set to one of the following values: <table><tr><td>value</td><td>meaning</td></tr><tr><td>-----</td><td>-----</td></tr></table>	value	meaning	-----	-----	007000 007600 310900
value	meaning						
-----	-----						
Eu.SCI-CC.PDI.1404	Req	0x01            revocable	310900				
Eu.SCI-CC.PDI.1405	Req	0x02            non-revocable	310900				
Eu.SCI-CC.PDI.2415	Req	0xFF            Revocable not applicable	007000 007600				
Eu.SCI-CC.PDI.2153	Req	<b>Text Message</b> Bytes 84 to 123 shall contain a text message that has been associated with the TSR in accordance with section 2.4.	007000 007600 310900				
Eu.SCI-CC.PDI.1377	Req	<b>Start location</b> Bytes 124 to 127 shall contain a value between 0x0000 0001 and 0xFFFF FFFE giving the start location of the TSR inside the first track element.	007000 007600				
Eu.SCI-CC.PDI.2484	Req	0xFFFF FFFF shall be used where Start location is not applicable	310900				
Eu.SCI-CC.PDI.1378	Req	<b>End location</b> Bytes 128 to 131 shall contain a value between 0x0000 0001 and 0xFFFF FFFE giving the end location of the TSR inside the last track element.	007000 007600				
Eu.SCI-CC.PDI.2485	Req	0xFFFF FFFF shall be used where End location is not applicable	310900				
Eu.SCI-CC.PDI.3143	Req	Bytes 132 to 631 shall contain 500 times NULL character (0x00) where the track elements of the TSR location are not applicable.	007000 007600				
Eu.SCI-CC.PDI.2877	Req	<b>Track element 1</b> Bytes 132 to 151 shall contain the track element ID of the first track element of the TSR location. A track element ID is the identity of a Powered Moveable Element, a TVP Section, a Track Section or a Diamond Crossing according to section 3.3.	007000 007600				
Eu.SCI-CC.PDI.2878	Req	<b>Track element 2</b> Bytes 152 to 171 shall contain the track element ID of the next track element of the TSR location. A track element ID is the identity of a Powered Moveable Element, a TVP Section, a Track Section or a Diamond Crossing according to section 3.3.	007000 007600				
Eu.SCI-CC.PDI.2937	Req	If the previous track element is the last track element of the TSR location, then the bytes 152 to 171 shall contain 20 times the NULL character (0x00).	007000 007600				
Eu.SCI-CC.PDI.2879	Req	<b>Track element 3</b> Bytes 172 to 191 shall contain the track element ID of the next track element of the TSR location. A track element ID is the identity of a Powered Moveable Element, a TVP Section, a Track Section or a Diamond Crossing according to section 3.3.	007000 007600				
Eu.SCI-CC.PDI.2938	Req	If the previous track element is the last track element of the TSR location, then the bytes 172 to 191 shall contain 20 times the NULL character (0x00).	007000 007600				
Eu.SCI-CC.PDI.2880	Req	<b>Track element 4</b> Bytes 192 to 211 shall contain the track element ID of the next track element of the TSR location. A track element ID is the identity of a Powered Moveable Element, a TVP Section, a Track Section or a Diamond Crossing according to section 3.3.	007000 007600				
Eu.SCI-CC.PDI.2939	Req	If the previous track element is the last track element of the TSR location, then the bytes 192 to 211 shall contain 20 times the NULL character (0x00).	007000 007600				
Eu.SCI-CC.PDI.2881	Req	<b>Track element 5</b> Bytes 212 to 231 shall contain the track element ID of the next track element of the TSR location. A track element ID is the identity of a Powered Moveable Element, a TVP Section, a Track Section or a Diamond Crossing according to section 3.3.	007000 007600				
Eu.SCI-CC.PDI.2940	Req	If the previous track element is the last track element of the TSR location, then the bytes 212 to 231 shall contain 20 times the NULL character (0x00).	007000 007600				
Eu.SCI-CC.PDI.2882	Req	<b>Track element 6</b> Bytes 232 to 251 shall contain the track element ID of the next track element of the TSR location. A track element ID is the identity of a Powered Moveable Element, a TVP Section, a Track Section or a Diamond Crossing according to section 3.3.	007000 007600				
Eu.SCI-CC.PDI.2941	Req	If the previous track element is the last track element of the TSR location, then the bytes 232 to 251 shall contain 20 times the NULL character (0x00).	007000 007600				
Eu.SCI-CC.PDI.2883	Req	<b>Track element 7</b> Bytes 252 to 271 shall contain the track element ID of the next track element of the TSR location. A track element ID is the identity of a Powered Moveable Element, a TVP Section, a Track Section or a Diamond Crossing according to section 3.3.	007000 007600				
Eu.SCI-CC.PDI.2942	Req	If the previous track element is the last track element of the TSR location, then the bytes 252 to 271 shall contain 20 times the NULL character (0x00).	007000 007600				

[illegible]

ID	Type	Requirement	Appl.
Eu.SCI-CC.PDI.2954	Req	If the previous track element is the last track element of the TSR location, then the bytes 492 to 511 shall contain 20 times the NULL character (0x00).	007000 007600
Eu.SCI-CC.PDI.2896	Req	<b>Track element 20</b> Bytes 512 to 531 shall contain the track element ID of the next track element of the TSR location. A track element ID is the identity of a Powered Moveable Element, a TVP Section, a Track Section or a Diamond Crossing according to section 3.3.	007000 007600
Eu.SCI-CC.PDI.2955	Req	If the previous track element is the last track element of the TSR location, then the bytes 512 to 531 shall contain 20 times the NULL character (0x00).	007000 007600
Eu.SCI-CC.PDI.2897	Req	<b>Track element 21</b> Bytes 532 to 551 shall contain the track element ID of the next track element of the TSR location. A track element ID is the identity of a Powered Moveable Element, a TVP Section, a Track Section or a Diamond Crossing according to section 3.3.	007000 007600
Eu.SCI-CC.PDI.2956	Req	If the previous track element is the last track element of the TSR location, then the bytes 532 to 551 shall contain 20 times the NULL character (0x00).	007000 007600
Eu.SCI-CC.PDI.2898	Req	<b>Track element 22</b> Bytes 552 to 571 shall contain the track element ID of the next track element of the TSR location. A track element ID is the identity of a Powered Moveable Element, a TVP Section, a Track Section or a Diamond Crossing according to section 3.3.	007000 007600
Eu.SCI-CC.PDI.2957	Req	If the previous track element is the last track element of the TSR location, then the bytes 552 to 571 shall contain 20 times the NULL character (0x00).	007000 007600
Eu.SCI-CC.PDI.2899	Req	<b>Track element 23</b> Bytes 572 to 591 shall contain the track element ID of the next track element of the TSR location. A track element ID is the identity of a Powered Moveable Element, a TVP Section, a Track Section or a Diamond Crossing according to section 3.3.	007000 007600
Eu.SCI-CC.PDI.2958	Req	If the previous track element is the last track element of the TSR location, then the bytes 572 to 591 shall contain 20 times the NULL character (0x00).	007000 007600
Eu.SCI-CC.PDI.2900	Req	<b>Track element 24</b> Bytes 589 to 608 shall contain the track element ID of the next track element of the TSR location. A track element ID is the identity of a Powered Moveable Element, a TVP Section, a Track Section or a Diamond Crossing according to section 3.3.	007000 007600
Eu.SCI-CC.PDI.2959	Req	If the previous track element is the last track element of the TSR location, then the bytes 589 to 608 shall contain 20 times the NULL character (0x00).	007000 007600
Eu.SCI-CC.PDI.2901	Req	<b>Track element 25</b> Bytes 612 to 631 shall contain the track element ID of the next track element of the TSR location. A track element ID is the identity of a Powered Moveable Element, a TVP Section, a Track Section or a Diamond Crossing according to section 3.3.	007000 007600
Eu.SCI-CC.PDI.2960	Req	If the previous track element is the last track element of the TSR location, then the bytes 612 to 631 shall contain 20 times the NULL character (0x00).	007000 007600
Eu.SCI-CC.PDI.3624	Req	<b>Start Element Section Designator</b> Byte 632 shall be set to one of the following values, to determine on which leg the TSR is to start. If the start element of the TSR is a track section, byte 632 shall be set to 0x01 (Tip). If the start element of the TSR is a track crossing, byte 632 shall be set to 0x02 or 0x04 according to the mapping described for Detected Position of a powered moveable element.  value            meaning -----        -----	007600
Eu.SCI-CC.PDI.3625	Req	0x01            Tip	007600
Eu.SCI-CC.PDI.3626	Req	0x02            Right	007600
Eu.SCI-CC.PDI.3627	Req	0x03            Tip and Right	007600
Eu.SCI-CC.PDI.3628	Req	0x04            Left	007600
Eu.SCI-CC.PDI.3629	Req	0x05            Tip and Left	007600
Eu.SCI-CC.PDI.3630	Req	0x06            Reserved	007600
Eu.SCI-CC.PDI.3631	Req	0x07            Tip, Right and Left	007600
Eu.SCI-CC.PDI.3632	Req	<b>End Element Section Designator</b> Byte 633 shall be set to one of the following values, to determine on which leg the TSR is to end. If the end element of the TSR is a track section, byte 633 shall be set to 0x01 (Tip). If the end element of the TSR is a track crossing, byte 633 shall be set to 0x02 or 0x04 according to the mapping described for Detected Position of a powered moveable element. If the start element of the TSR and the end element of the TSR are identical, the end element section designator shall be set to the start element section designator.  value            meaning -----        -----	007600
Eu.SCI-CC.PDI.3633	Req	0x01            Tip	007600



ID	Type	Requirement		Appl.														
Eu.SCI-CC.PDI.3634	Req	0x02	Right	007600														
Eu.SCI-CC.PDI.3635	Req	0x03	Tip and Right	007600														
Eu.SCI-CC.PDI.3636	Req	0x04	Left	007600														
Eu.SCI-CC.PDI.3637	Req	0x05	Tip and Left	007600														
Eu.SCI-CC.PDI.3638	Req	0x06	Reserved	007600														
Eu.SCI-CC.PDI.3639	Req	0x07	Tip, Right and Left	007600														
Eu.SCI-CC.PDI.1407	Head	3.5.10.6 Message “Request To Activate TSR”		310900														
Eu.SCI-CC.PDI.2270	Info	This telegram refines the InformationFlow "Msg_Request_To_Activate_TSR" specified in the requirements specification (ID Eu.CC.2073).		310900														
Eu.SCI-CC.PDI.1408	Info	Telegram definition for status message "Request To Activate TSR" <table><tr><th>Byte / Bit</th><th>Content</th></tr><tr><td>00</td><td>Protocol Type: 0x70 (1 Byte binary)</td></tr><tr><td>01..02</td><td>Message Type: 0x0040 (2 Bytes binary)</td></tr><tr><td>03..22</td><td>Sender: ILS Identifier (20 Bytes text)</td></tr><tr><td>23..42</td><td>Receiver: TCS Identifier (20 Bytes text)</td></tr><tr><td>43</td><td>Information Type: 0x13 (1 Byte binary)</td></tr><tr><td>44..63</td><td>TSR ID (20 Bytes text)</td></tr></table>		Byte / Bit	Content	00	Protocol Type: 0x70 (1 Byte binary)	01..02	Message Type: 0x0040 (2 Bytes binary)	03..22	Sender: ILS Identifier (20 Bytes text)	23..42	Receiver: TCS Identifier (20 Bytes text)	43	Information Type: 0x13 (1 Byte binary)	44..63	TSR ID (20 Bytes text)	310900
Byte / Bit	Content																	
00	Protocol Type: 0x70 (1 Byte binary)																	
01..02	Message Type: 0x0040 (2 Bytes binary)																	
03..22	Sender: ILS Identifier (20 Bytes text)																	
23..42	Receiver: TCS Identifier (20 Bytes text)																	
43	Information Type: 0x13 (1 Byte binary)																	
44..63	TSR ID (20 Bytes text)																	
Eu.SCI-CC.PDI.1409	Req	Message Type Bytes 01 and 02 shall be set to 0x0040.		310900														
Eu.SCI-CC.PDI.1410	Req	SenderIdentifier The message bytes 03..22 shall contain the technical identifier of the Subsystem - Electronic Interlocking according to section 3.2.		310900														
Eu.SCI-CC.PDI.1411	Req	Receiver Identifier The message bytes 23..42 shall contain the technical identifier of the TCS according to section 3.2.		310900														
Eu.SCI-CC.PDI.1412	Req	Information Type The message byte 43 shall be set to 0x13.		310900														
Eu.SCI-CC.PDI.1413	Req	TSR ID Bytes 44 to 63 shall contain a unique TSR identity according to section 3.3.		310900														
Eu.SCI-CC.PDI.3153	Head	3.5.11 Command handling functions		Default														
Eu.SCI-CC.PDI.1630	Head	3.5.11.1 Message “Request Confirmation Of Command”		007000 007001 007900 310900														
Eu.SCI-CC.PDI.2284	Info	This telegram refines the InformationFlow "Msg_Request_Confirmation_Of_Command" specified in the requirements specification (ID Eu.CC.1972).		007000 007001 007900 310900														
Eu.SCI-CC.PDI.1631	Info	Telegram definition for status message "Request Confirmation Of Command" <table><tr><th>Byte / Bit</th><th>Content</th></tr><tr><td>00</td><td>Protocol Type: 0x70 (1 Byte binary)</td></tr><tr><td>01..02</td><td>Message Type: 0x0030 (2 Bytes binary)</td></tr><tr><td>03..22</td><td>Sender: ILS Identifier (20 Bytes text)</td></tr><tr><td>23..42</td><td>Receiver: TCS Identifier (20 Bytes text)</td></tr><tr><td>43..44</td><td>Confirmation TAN (2 Bytes binary)</td></tr></table>		Byte / Bit	Content	00	Protocol Type: 0x70 (1 Byte binary)	01..02	Message Type: 0x0030 (2 Bytes binary)	03..22	Sender: ILS Identifier (20 Bytes text)	23..42	Receiver: TCS Identifier (20 Bytes text)	43..44	Confirmation TAN (2 Bytes binary)	007000 007001 007900 310900		
Byte / Bit	Content																	
00	Protocol Type: 0x70 (1 Byte binary)																	
01..02	Message Type: 0x0030 (2 Bytes binary)																	
03..22	Sender: ILS Identifier (20 Bytes text)																	
23..42	Receiver: TCS Identifier (20 Bytes text)																	
43..44	Confirmation TAN (2 Bytes binary)																	
Eu.SCI-CC.PDI.1632	Req	Message Type Bytes 01 and 02 shall be set to 0x0030.		007000 007001 007900 310900														

ID	Type	Requirement	Appl.																		
Eu.SCI-CC.PDI.1633	Req	<b>Sender Identifier</b> The message bytes 03..22 shall contain the technical identifier of the Subsystem - Electronic Interlocking according to section 3.2.	007000 007001 007900 310900																		
Eu.SCI-CC.PDI.1634	Req	<b>Receiver Identifier</b> The message bytes 23..42 shall contain the technical identifier of the TCS according to section 3.2.	007000 007001 007900 310900																		
Eu.SCI-CC.PDI.3345	Req	<b>Confirmation TAN</b> Bytes 43 and 44 shall contain the transaction number that is equal to the number used in the command to be confirmed.	007000 007001 007900 310900																		
Eu.SCI-CC.PDI.1639	Head	<b>3.5.11.2 Message “Request Confirmation Of Command with Safety Codes”</b>	007600																		
Eu.SCI-CC.PDI.2285	Info	This telegram refines the InformationFlow "Msg_Request_Confirmation_Of_Command_With_Safety_Codes" specified in the requirements specification (ID Eu.CC.1973).	007600																		
Eu.SCI-CC.PDI.1640	Info	Telegram definition for status message “Request Confirmation Of Command with Safety Codes” <table><tr><th>Byte / Bit</th><th>Content</th></tr><tr><td>00</td><td>Protocol Type: 0x70 (1 Byte binary)</td></tr><tr><td>01..02</td><td>Message Type: 0x0045 (2 Bytes binary)</td></tr><tr><td>03..22</td><td>Sender: ILS Identifier (20 Bytes text)</td></tr><tr><td>23..42</td><td>Receiver: TCS Identifier (20 Bytes text)</td></tr><tr><td>43..44</td><td>Confirmation TAN (2 Bytes binary)</td></tr><tr><td>45</td><td>Message safety code of applicability (1 Byte binary)</td></tr><tr><td>46..61</td><td>Message safety code (16 Bytes binary)</td></tr><tr><td>62..81</td><td>Confirmation Element ID (20 Bytes text)</td></tr></table>	Byte / Bit	Content	00	Protocol Type: 0x70 (1 Byte binary)	01..02	Message Type: 0x0045 (2 Bytes binary)	03..22	Sender: ILS Identifier (20 Bytes text)	23..42	Receiver: TCS Identifier (20 Bytes text)	43..44	Confirmation TAN (2 Bytes binary)	45	Message safety code of applicability (1 Byte binary)	46..61	Message safety code (16 Bytes binary)	62..81	Confirmation Element ID (20 Bytes text)	007600
Byte / Bit	Content																				
00	Protocol Type: 0x70 (1 Byte binary)																				
01..02	Message Type: 0x0045 (2 Bytes binary)																				
03..22	Sender: ILS Identifier (20 Bytes text)																				
23..42	Receiver: TCS Identifier (20 Bytes text)																				
43..44	Confirmation TAN (2 Bytes binary)																				
45	Message safety code of applicability (1 Byte binary)																				
46..61	Message safety code (16 Bytes binary)																				
62..81	Confirmation Element ID (20 Bytes text)																				
Eu.SCI-CC.PDI.1641	Req	<b>Message Type</b> The message bytes 01 and 02 shall be set to 0x0045.	007600																		
Eu.SCI-CC.PDI.2189	Req	<b>Sender Identifier</b> The message bytes 03..22 shall contain the technical identifier of the Subsystem - Electronic Interlocking according to section 3.2.	007600																		
Eu.SCI-CC.PDI.2190	Req	<b>Receiver Identifier</b> The message bytes 23..42 shall contain the technical identifier of the TCS according to section 3.2.	007600																		
Eu.SCI-CC.PDI.2713	Req	<b>Confirmation TAN</b> Bytes 43 and 44 shall contain the transaction number that is equal to the number used in the command to be confirmed.	007600																		
Eu.SCI-CC.PDI.1642	Req	<b>Message safety code of applicability</b> Byte 45 shall be set to one of the following values:  value            meaning -----    -----	007600																		
Eu.SCI-CC.PDI.2718	Req	0x01            safety code applicable	007600																		
Eu.SCI-CC.PDI.2719	Req	0xFF            safety code not applicable	007600																		
Eu.SCI-CC.PDI.1643	Req	<b>Message safety code</b> The message bytes 46 to 61 shall contain the Message safety code.	007600																		
Eu.SCI-CC.PDI.2714	Req	<b>Confirmation Element ID</b> Bytes 62 until 81 shall contain the Element identity related to the command which confirmation is being requested, according to section 3.3.	007600																		
Eu.SCI-CC.PDI.2127	Head	<b>3.5.11.3 Command "Abort Command"</b>	007000 007001 007600 007900 310900																		
Eu.SCI-CC.PDI.2740	Info	This telegram refines the InformationFlow "Cd_Abort_Command" specified in the requirements specification (ID Eu.CC.1968).	007000 007001 007600 007900 310900																		
Eu.SCI-CC.PDI.2741	Info	Telegram definition for status command “Abort Command”	007000 007001 007600 007900 310900																		

ID	Type	Requirement		Appl.																								
		<table><tr><th>Byte / Bit</th><th>Content</th></tr><tr><td>00</td><td>Protocol Type: 0x70 (1 Byte binary)</td></tr><tr><td>01..02</td><td>Message Type: 0x0065 (2 Bytes binary)</td></tr><tr><td>03..22</td><td>Sender: TCS Identifier (20 Bytes text)</td></tr><tr><td>23..42</td><td>Receiver: ILS Identifier (20 Bytes text)</td></tr><tr><td>43..44</td><td>Confirmation TAN (2 Bytes binary)</td></tr></table>	Byte / Bit	Content	00	Protocol Type: 0x70 (1 Byte binary)	01..02	Message Type: 0x0065 (2 Bytes binary)	03..22	Sender: TCS Identifier (20 Bytes text)	23..42	Receiver: ILS Identifier (20 Bytes text)	43..44	Confirmation TAN (2 Bytes binary)														
Byte / Bit	Content																											
00	Protocol Type: 0x70 (1 Byte binary)																											
01..02	Message Type: 0x0065 (2 Bytes binary)																											
03..22	Sender: TCS Identifier (20 Bytes text)																											
23..42	Receiver: ILS Identifier (20 Bytes text)																											
43..44	Confirmation TAN (2 Bytes binary)																											
Eu.SCI-CC.PDI.2742	Req	<b>Message Type</b> The message bytes 01 and 02 shall be set to 0x0065.		007000 007001 007600 007900 310900																								
Eu.SCI-CC.PDI.2743	Req	<b>Sender Identifier</b> The message bytes 03..22 shall contain the technical identifier of the TCS according to section 3.2.		007000 007001 007600 007900 310900																								
Eu.SCI-CC.PDI.2744	Req	<b>Receiver Identifier</b> The message bytes 23..42 shall contain the technical identifier of the Subsystem - Electronic Interlocking according to section 3.2.		007000 007001 007600 007900 310900																								
Eu.SCI-CC.PDI.2129	Req	<b>Confirmation TAN</b> Bytes 43 and 44 shall contain the transaction number that is equal to the number used in the command to be aborted.		007000 007001 007600 007900 310900																								
Eu.SCI-CC.PDI.2720	Head	<b>3.5.11.4 Command "Confirmation of a Command with Safety Codes"</b>		007600																								
Eu.SCI-CC.PDI.2721	Info	This telegram refines the InformationFlow "Cd_Confirmation_Of_A_Command_With_Safety_Codes" specified in the requirements specification (ID Eu.CC.1969).		007600																								
Eu.SCI-CC.PDI.2722	Info	Telegram definition for command “Confirmation of a Command with Safety Codes” <table><tr><th>Byte / Bit</th><th>Content</th></tr><tr><td>00</td><td>Protocol Type: 0x70 (1 Byte binary)</td></tr><tr><td>01..02</td><td>Message Type: 0x0060 (2 Bytes binary)</td></tr><tr><td>03..22</td><td>Sender: TCS Identifier (20 Bytes text)</td></tr><tr><td>23..42</td><td>Receiver: ILS Identifier (20 Bytes text)</td></tr><tr><td>43..44</td><td>Confirmation TAN (2 Bytes binary)</td></tr><tr><td>45</td><td>Message safety code of applicability (1 Byte binary)</td></tr><tr><td>46..61</td><td>Message safety code (16 Bytes binary)</td></tr><tr><td>62</td><td>Confirmation safety code applicability (1 Byte binary)</td></tr><tr><td>63..66</td><td>Confirmation safety code part 1 (4 Bytes binary)</td></tr><tr><td>67..70</td><td>Confirmation safety code part 2 (4 Bytes binary)</td></tr><tr><td>71..90</td><td>Confirmed Element ID (20 Bytes text)</td></tr></table>		Byte / Bit	Content	00	Protocol Type: 0x70 (1 Byte binary)	01..02	Message Type: 0x0060 (2 Bytes binary)	03..22	Sender: TCS Identifier (20 Bytes text)	23..42	Receiver: ILS Identifier (20 Bytes text)	43..44	Confirmation TAN (2 Bytes binary)	45	Message safety code of applicability (1 Byte binary)	46..61	Message safety code (16 Bytes binary)	62	Confirmation safety code applicability (1 Byte binary)	63..66	Confirmation safety code part 1 (4 Bytes binary)	67..70	Confirmation safety code part 2 (4 Bytes binary)	71..90	Confirmed Element ID (20 Bytes text)	007600
Byte / Bit	Content																											
00	Protocol Type: 0x70 (1 Byte binary)																											
01..02	Message Type: 0x0060 (2 Bytes binary)																											
03..22	Sender: TCS Identifier (20 Bytes text)																											
23..42	Receiver: ILS Identifier (20 Bytes text)																											
43..44	Confirmation TAN (2 Bytes binary)																											
45	Message safety code of applicability (1 Byte binary)																											
46..61	Message safety code (16 Bytes binary)																											
62	Confirmation safety code applicability (1 Byte binary)																											
63..66	Confirmation safety code part 1 (4 Bytes binary)																											
67..70	Confirmation safety code part 2 (4 Bytes binary)																											
71..90	Confirmed Element ID (20 Bytes text)																											
Eu.SCI-CC.PDI.2723	Req	<b>Message Type</b> Bytes 01 and 02 shall be set to 0x0060 as defined in section 3.4.1.		007600																								
Eu.SCI-CC.PDI.2724	Req	<b>Sender Identifier</b> The message bytes 03..22 shall contain the technical identifier of the TCS according to section 3.2.		007600																								
Eu.SCI-CC.PDI.2725	Req	<b>Receiver Identifier</b> The message bytes 23..42 shall contain the technical identifier of the Subsystem - Electronic Interlocking according to section 3.2.		007600																								
Eu.SCI-CC.PDI.2729	Req	<b>Confirmation TAN</b> Bytes 43 and 44 shall contain the transaction number that is equal to the number used in the command that is being confirmed.		007600																								
Eu.SCI-CC.PDI.2726	Req	<b>Message safety code applicability</b> Byte 45 shall be set to one of the following values:  <table><tr><td>value</td><td>meaning</td></tr><tr><td>-----</td><td>-----</td></tr></table>		value	meaning	-----	-----	007600																				
value	meaning																											
-----	-----																											
Eu.SCI-CC.PDI.2732	Req	0x01	safety code applicable	007600																								
Eu.SCI-CC.PDI.2733	Req	0xFF	safety code not applicable	007600																								

ID	Type	Requirement		Appl.														
Eu.SCI-CC.PDI.2727	Req	<b>Message safety code</b> The message bytes 46 to 61 shall contain the Message safety code.		007600														
Eu.SCI-CC.PDI.2734	Req	<b>Confirmation safety code applicability</b> Byte 62 shall be set to one of the following values:  value            meaning -----    -----		007600														
Eu.SCI-CC.PDI.2735	Req	0x01	safety code applicable, check part 1 & 2	007600														
Eu.SCI-CC.PDI.2737	Req	0x02	safety code applicable, check part 1	007600														
Eu.SCI-CC.PDI.2736	Req	0xFF	safety code not applicable	007600														
Eu.SCI-CC.PDI.2730	Req	<b>Confirmation safety code part 1</b> The message bytes 63 to 66 shall contain the Confirmation safety code part 1.		007600														
Eu.SCI-CC.PDI.2731	Req	<b>Confirmation safety code part 2</b> The message bytes 67 to 70 shall contain the Confirmation safety code part 2.		007600														
Eu.SCI-CC.PDI.2738	Req	<b>Confirmed Element ID</b> Bytes 71 until 90 shall confirm the Element identity related to the command that is being confirmed, according to section 3.3.		007600														
Eu.SCI-CC.PDI.2130	Head	<b>3.5.11.5 Message "Command Accepted"</b>		007600														
Eu.SCI-CC.PDI.2747	Info	This telegram refines the InformationFlow "Msg_Command_Accepted" specified in the requirements specification (ID Eu.CC.1970).		007600														
Eu.SCI-CC.PDI.2748	Info	Telegram definition for status message "Command Accepted" <table><tr><th>Byte / Bit</th><th>Content</th></tr><tr><td>00</td><td>Protocol Type: 0x70 (1 Byte binary)</td></tr><tr><td>01..02</td><td>Message Type: 0x0044 (2 Bytes binary)</td></tr><tr><td>03..22</td><td>Sender: ILS Identifier (20 Bytes text)</td></tr><tr><td>23..42</td><td>Receiver: TCS Identifier (20 Bytes text)</td></tr><tr><td>43..44</td><td>Confirmation TAN (2 Bytes binary)</td></tr></table>		Byte / Bit	Content	00	Protocol Type: 0x70 (1 Byte binary)	01..02	Message Type: 0x0044 (2 Bytes binary)	03..22	Sender: ILS Identifier (20 Bytes text)	23..42	Receiver: TCS Identifier (20 Bytes text)	43..44	Confirmation TAN (2 Bytes binary)	007600		
Byte / Bit	Content																	
00	Protocol Type: 0x70 (1 Byte binary)																	
01..02	Message Type: 0x0044 (2 Bytes binary)																	
03..22	Sender: ILS Identifier (20 Bytes text)																	
23..42	Receiver: TCS Identifier (20 Bytes text)																	
43..44	Confirmation TAN (2 Bytes binary)																	
Eu.SCI-CC.PDI.2749	Req	<b>Message Type</b> Bytes 01 and 02 shall be set to 0x0044.		007600														
Eu.SCI-CC.PDI.2750	Req	<b>SenderIdentifier</b> The message bytes 03..22 shall contain the technical identifier of the Subsystem - Electronic Interlocking according to section 3.2.		007600														
Eu.SCI-CC.PDI.2751	Req	<b>Receiver Identifier</b> The message bytes 23..42 shall contain the technical identifier of the TCS according to section 3.2.		007600														
Eu.SCI-CC.PDI.3343	Req	<b>Confirmation TAN</b> Bytes 43 and 44 shall contain the transaction number that is equal to the number used in the command to be accepted.		007600														
Eu.SCI-CC.PDI.1618	Head	<b>3.5.11.6 Message "Command Rejected"</b>		007000 007001 007600 007900 008700 310900 999900														
Eu.SCI-CC.PDI.2283	Info	This telegram refines the InformationFlow "Msg_Command_Rejected" specified in the requirements specification (ID Eu.CC.1971).		007000 007001 007600 007900 008700 310900 999900														
Eu.SCI-CC.PDI.1619	Info	Telegram definition for status message "Command Rejected" <table><tr><th>Byte / Bit</th><th>Content</th></tr><tr><td>00</td><td>Protocol Type: 0x70 (1 Byte binary)</td></tr><tr><td>01..02</td><td>Message Type: 0x0035 (2 Bytes binary)</td></tr><tr><td>03..22</td><td>Sender: ILS Identifier (20 Bytes text)</td></tr><tr><td>23..42</td><td>Receiver: TCS Identifier (20 Bytes text)</td></tr><tr><td>43..44</td><td>Confirmation TAN (2 Bytes binary)</td></tr><tr><td>45</td><td>Reason (1 Byte binary)</td></tr></table>		Byte / Bit	Content	00	Protocol Type: 0x70 (1 Byte binary)	01..02	Message Type: 0x0035 (2 Bytes binary)	03..22	Sender: ILS Identifier (20 Bytes text)	23..42	Receiver: TCS Identifier (20 Bytes text)	43..44	Confirmation TAN (2 Bytes binary)	45	Reason (1 Byte binary)	007000 007001 007600 007900 008700 310900 999900
Byte / Bit	Content																	
00	Protocol Type: 0x70 (1 Byte binary)																	
01..02	Message Type: 0x0035 (2 Bytes binary)																	
03..22	Sender: ILS Identifier (20 Bytes text)																	
23..42	Receiver: TCS Identifier (20 Bytes text)																	
43..44	Confirmation TAN (2 Bytes binary)																	
45	Reason (1 Byte binary)																	

ID	Type	Requirement	Appl.
Eu.SCI-CC.PDI.1620	Req	<b>Message Type</b> Bytes 01 and 02 shall be set to 0x0035.	007000 007001 007600 007900 008700 310900 999900
Eu.SCI-CC.PDI.1621	Req	<b>SenderIdentifier</b> The message bytes 03..22 shall contain the technical identifier of the Subsystem - Electronic Interlocking according to section 3.2.	007000 007001 007600 007900 008700 310900 999900
Eu.SCI-CC.PDI.1622	Req	<b>Receiver Identifier</b> The message bytes 23..42 shall contain the technical identifier of the TCS according to section 3.2.	007000 007001 007600 007900 008700 310900 999900
Eu.SCI-CC.PDI.3344	Req	<b>Confirmation TAN</b> Bytes 43 and 44 shall contain the transaction number that is equal to the number used in the command to be rejected.	007000 007001 007600 007900 008700 310900 999900
Eu.SCI-CC.PDI.1628	Req	<b>Reason</b> Byte 45 shall contain a binary value between 0x01 and 0xFD, representing the reason for the rejection of the command, as defined by national requirements.	007000 007001 007600 007900 008700 310900 999900
Eu.SCI-CC.PDI.1629	Req	A value of 0xFE shall be used to represent “no reason given”.	007000 007001 007600 007900 008700 310900 999900
Eu.SCI-CC.PDI.3154	Head	<b>3.5.12 Safe screen functions</b>	Default
Eu.SCI-CC.PDI.2195	Head	<b>3.5.12.1 Command "Abort Safe Screen"</b>	999900
Eu.SCI-CC.PDI.2196	Info	<i>This telegram will be defined in a later revision.</i>	999900
Eu.SCI-CC.PDI.2197	Head	<b>3.5.12.2 Command "Failed Safe Screen"</b>	999900
Eu.SCI-CC.PDI.2198	Info	<i>This telegram will be defined in a later revision.</i>	999900
Eu.SCI-CC.PDI.2199	Head	<b>3.5.12.3 Message "Failed Safe Screen"</b>	999900
Eu.SCI-CC.PDI.2200	Info	<i>This telegram will be defined in a later revision.</i>	999900
Eu.SCI-CC.PDI.2169	Head	<b>3.5.12.4 Command "Safe Screen Update Checksum (Encrypted)"</b>	999900
Eu.SCI-CC.PDI.2170	Info	<i>This telegram will be defined in a later revision.</i>	999900
Eu.SCI-CC.PDI.2171	Head	<b>3.5.12.5 Command "Safe Screen Update Checksum (Unencrypted)"</b>	999900
Eu.SCI-CC.PDI.2172	Info	<i>This telegram will be defined in a later revision.</i>	999900
Eu.SCI-CC.PDI.2173	Head	<b>3.5.12.6 Message "Safe Screen Update Process Initiated"</b>	999900
Eu.SCI-CC.PDI.2174	Info	<i>This telegram will be defined in a later revision.</i>	999900

ID	Type	Requirement	Appl.														
Eu.SCI-CC.PDI.2175	Head	<b>3.5.12.7 Message "Safe Screen Update Process Completed"</b>	999900														
Eu.SCI-CC.PDI.2176	Info	<i>This telegram will be defined in a later revision.</i>	999900														
Eu.SCI-CC.PDI.3155	Head	<b>3.5.13 Status updates functions</b>	Default														
Eu.SCI-CC.PDI.627	Head	<b>3.5.13.1 Command “Request Update Of All Statuses”</b>	007000 007600 007900 310900														
Eu.SCI-CC.PDI.2236	Info	This telegram refines the InformationFlow "Cd_Request_Update_Of_All_Statuses" specified in the requirements specification (ID Eu.CC.2061).	007000 007600 007900 310900														
Eu.SCI-CC.PDI.628	Info	Telegram definition for command “Request Update Of All Statuses” <table><tr><th>Byte / Bit</th><th>Content</th></tr><tr><td>00</td><td>Protocol Type: 0x70 (1 Byte binary)</td></tr><tr><td>01..02</td><td>Message Type: 0x0050 or 0x0055 (2 Bytes binary)</td></tr><tr><td>03..22</td><td>Sender: TCS Identifier (20 Bytes text)</td></tr><tr><td>23..42</td><td>Receiver: ILS Identifier (20 Bytes text)</td></tr><tr><td>43..44</td><td>TAN (2 Bytes binary)</td></tr><tr><td>45</td><td>Information Type: 0x7A (1 Byte binary)</td></tr></table>	Byte / Bit	Content	00	Protocol Type: 0x70 (1 Byte binary)	01..02	Message Type: 0x0050 or 0x0055 (2 Bytes binary)	03..22	Sender: TCS Identifier (20 Bytes text)	23..42	Receiver: ILS Identifier (20 Bytes text)	43..44	TAN (2 Bytes binary)	45	Information Type: 0x7A (1 Byte binary)	007000 007600 007900 310900
Byte / Bit	Content																
00	Protocol Type: 0x70 (1 Byte binary)																
01..02	Message Type: 0x0050 or 0x0055 (2 Bytes binary)																
03..22	Sender: TCS Identifier (20 Bytes text)																
23..42	Receiver: ILS Identifier (20 Bytes text)																
43..44	TAN (2 Bytes binary)																
45	Information Type: 0x7A (1 Byte binary)																
Eu.SCI-CC.PDI.629	Req	<b>Message Type</b> Bytes 01 and 02 shall be set to 0x0050 or 0x0055 as defined in section 3.4.1.	007000 007600 007900 310900														
Eu.SCI-CC.PDI.630	Req	<b>Sender Identifier</b> The message bytes 03..22 shall contain the technical identifier of the TCS according to section 3.2.	007000 007600 007900 310900														
Eu.SCI-CC.PDI.631	Req	<b>Receiver Identifier</b> The message bytes 23..42 shall contain the technical identifier of the Subsystem - Electronic Interlocking according to section 3.2.	007000 007600 007900 310900														
Eu.SCI-CC.PDI.3380	Req	<b>TAN</b> Bytes 43 and 44 shall contain a unique transaction number of the command. If the Message Type is set to 0x0055, the transaction number shall be equal to the transaction number used in the command that is being confirmed (see section 3.4.1).	007000 007600 007900 310900														
Eu.SCI-CC.PDI.632	Req	<b>Information Type</b> Byte 45 shall be set to 0x7A.	007000 007600 007900 310900														
Eu.SCI-CC.PDI.633	Head	<b>3.5.13.2 Message “Update Of All Statuses Started”</b>	007000 007600 007900 310900														
Eu.SCI-CC.PDI.2237	Info	This telegram refines the InformationFlow "Msg_Update_Of_All_Statuses_Started" specified in the requirements specification (ID Eu.CC.2064).	007000 007600 007900 310900														
Eu.SCI-CC.PDI.634	Info	Telegram definition for status message “Update Of All Statuses Started” <table><tr><th>Byte / Bit</th><th>Content</th></tr><tr><td>00</td><td>Protocol Type: 0x70 (1 Byte binary)</td></tr><tr><td>01..02</td><td>Message Type: 0x0040 (2 Bytes binary)</td></tr><tr><td>03..22</td><td>Sender: ILS Identifier (20 Bytes text)</td></tr><tr><td>23..42</td><td>Receiver: TCS Identifier (20 Bytes text)</td></tr><tr><td>43</td><td>Information Type: 0x8A (1 Byte binary)</td></tr></table>	Byte / Bit	Content	00	Protocol Type: 0x70 (1 Byte binary)	01..02	Message Type: 0x0040 (2 Bytes binary)	03..22	Sender: ILS Identifier (20 Bytes text)	23..42	Receiver: TCS Identifier (20 Bytes text)	43	Information Type: 0x8A (1 Byte binary)	007000 007600 007900 310900		
Byte / Bit	Content																
00	Protocol Type: 0x70 (1 Byte binary)																
01..02	Message Type: 0x0040 (2 Bytes binary)																
03..22	Sender: ILS Identifier (20 Bytes text)																
23..42	Receiver: TCS Identifier (20 Bytes text)																
43	Information Type: 0x8A (1 Byte binary)																

ID	Type	Requirement	Appl.												
Eu.SCI-CC.PDI.635	Info	The Message “Update Of All Statuses Started” is sent after the command “Request Update Of All Statuses” is received and prior to the sending of all status updates.	007000 007600 007900 310900												
Eu.SCI-CC.PDI.636	Req	<b>Message Type</b> Bytes 01 and 02 shall be set to 0x0040.	007000 007600 007900 310900												
Eu.SCI-CC.PDI.637	Req	<b>Sender Identifier</b> The message bytes 03..22 shall contain the technical identifier of the Subsystem - Electronic Interlocking according to section 3.2.	007000 007600 007900 310900												
Eu.SCI-CC.PDI.638	Req	<b>Receiver Identifier</b> The message bytes 23..42 shall contain the technical identifier of the TCS according to section 3.2.	007000 007600 007900 310900												
Eu.SCI-CC.PDI.639	Req	<b>Information Type</b> Byte 43 shall be set to 0x8A.	007000 007600 007900 310900												
Eu.SCI-CC.PDI.640	Head	<b>3.5.13.3 Message “Update Of All Statuses Completed”</b>	007000 007600 007900 310900												
Eu.SCI-CC.PDI.2238	Info	This telegram refines the InformationFlow "Msg_Update_Of_All_Statuses_Completed" specified in the requirements specification (ID Eu.CC.2063).	007000 007600 007900 310900												
Eu.SCI-CC.PDI.641	Info	Telegram definition for status message “Update Of All Statuses Completed” <table><tr><th>Byte / Bit</th><th>Content</th></tr><tr><td>00</td><td>Protocol Type: 0x70 (1 Byte binary)</td></tr><tr><td>01..02</td><td>Message Type: 0x0040 (2 Bytes binary)</td></tr><tr><td>03..22</td><td>Sender: ILS Identifier (20 Bytes text)</td></tr><tr><td>23..42</td><td>Receiver: TCS Identifier (20 Bytes text)</td></tr><tr><td>43</td><td>Information Type: 0x8B (1 Byte binary)</td></tr></table>	Byte / Bit	Content	00	Protocol Type: 0x70 (1 Byte binary)	01..02	Message Type: 0x0040 (2 Bytes binary)	03..22	Sender: ILS Identifier (20 Bytes text)	23..42	Receiver: TCS Identifier (20 Bytes text)	43	Information Type: 0x8B (1 Byte binary)	007000 007600 007900 310900
Byte / Bit	Content														
00	Protocol Type: 0x70 (1 Byte binary)														
01..02	Message Type: 0x0040 (2 Bytes binary)														
03..22	Sender: ILS Identifier (20 Bytes text)														
23..42	Receiver: TCS Identifier (20 Bytes text)														
43	Information Type: 0x8B (1 Byte binary)														
Eu.SCI-CC.PDI.642	Info	The Message “Update Of All Statuses Completed” is sent after the command “Request Update Of All Statuses” is received and after the sending of all status updates has completed.	007000 007600 007900 310900												
Eu.SCI-CC.PDI.643	Req	<b>Message Type</b> Bytes 01 and 02 shall be set to 0x0040.	007000 007600 007900 310900												
Eu.SCI-CC.PDI.644	Req	<b>Sender Identifier</b> The message bytes 03..22 shall contain the technical identifier of the Subsystem - Electronic Interlocking according to section 3.2.	007000 007600 007900 310900												
Eu.SCI-CC.PDI.645	Req	<b>Receiver Identifier</b> The message bytes 23..42 shall contain the technical identifier of the TCS according to section 3.2.	007000 007600 007900 310900												
Eu.SCI-CC.PDI.646	Req	<b>Information Type</b> Byte 43 shall be set to 0x8B.	007000 007600 007900 310900												
Eu.SCI-CC.PDI.654	Head	<b>3.5.13.4 Command “Update The Disturbance And Fault Reports”</b>	310900												
Eu.SCI-CC.PDI.2240	Info	This telegram refines the InformationFlow "Cd_Update_The_Disturbance_And_Fault_Reports" specified in the requirements specification (ID Eu.CC.2062).	310900												

ID	Type	Requirement	Appl.														
Eu.SCI-CC.PDI.655	Info	<div>Telegram definition for command “Update The Disturbances And Fault Reports”</div> <table><tr><th>Byte / Bit</th><th>Content</th></tr><tr><td>00</td><td>Protocol Type: 0x70 (1 Byte binary)</td></tr><tr><td>01..02</td><td>Message Type: 0x0050 or 0x055 (2 Bytes binary)</td></tr><tr><td>03..22</td><td>Sender: TCS Identifier (20 Bytes text)</td></tr><tr><td>23..42</td><td>Receiver: ILS Identifier (20 Bytes text)</td></tr><tr><td>43..44</td><td>TAN (2 Bytes binary)</td></tr><tr><td>45</td><td>Information Type: 0x84 (1 Byte binary)</td></tr></table>	Byte / Bit	Content	00	Protocol Type: 0x70 (1 Byte binary)	01..02	Message Type: 0x0050 or 0x055 (2 Bytes binary)	03..22	Sender: TCS Identifier (20 Bytes text)	23..42	Receiver: ILS Identifier (20 Bytes text)	43..44	TAN (2 Bytes binary)	45	Information Type: 0x84 (1 Byte binary)	310900
Byte / Bit	Content																
00	Protocol Type: 0x70 (1 Byte binary)																
01..02	Message Type: 0x0050 or 0x055 (2 Bytes binary)																
03..22	Sender: TCS Identifier (20 Bytes text)																
23..42	Receiver: ILS Identifier (20 Bytes text)																
43..44	TAN (2 Bytes binary)																
45	Information Type: 0x84 (1 Byte binary)																
Eu.SCI-CC.PDI.656	Req	<b>Message Type</b> Bytes 01 and 02 shall be set to 0x0050 or 0x0055 as defined in section 3.4.1.	310900														
Eu.SCI-CC.PDI.657	Req	<b>Sender Identifier</b> The message bytes 03..22 shall contain the technical identifier of the TCS according to section 3.2.	310900														
Eu.SCI-CC.PDI.658	Req	<b>Receiver Identifier</b> The message bytes 23..42 shall contain the technical identifier of the Subsystem - Electronic Interlocking according to section 3.2.	310900														
Eu.SCI-CC.PDI.3381	Req	<b>TAN</b> Bytes 43 and 44 shall contain a unique transaction number of the command. If the Message Type is set to 0x0055, the transaction number shall be equal to the transaction number used in the command that is being confirmed (see section 3.4.1).	310900														
Eu.SCI-CC.PDI.659	Req	<b>Information Type</b> Byte 45 shall be set to 0x84.	310900														
Eu.SCI-CC.PDI.660	Head	<b>3.5.13.5 Message “Update The Disturbance And Fault Reports Started”</b>	310900														
Eu.SCI-CC.PDI.2241	Info	This telegram refines the InformationFlow "Msg_Update_The_Disturbance_And_Fault_Reports_Started" specified in the requirements specification (ID Eu.CC.2066).	310900														
Eu.SCI-CC.PDI.661	Info	<div>Telegram definition for status message “Update The Disturbance And Fault Reports Started”</div> <table><tr><th>Byte / Bit</th><th>Content</th></tr><tr><td>00</td><td>Protocol Type: 0x70 (1 Byte binary)</td></tr><tr><td>01..02</td><td>Message Type: 0x0040 (2 Bytes binary)</td></tr><tr><td>03..22</td><td>Sender: ILS Identifier (20 Bytes text)</td></tr><tr><td>23..42</td><td>Receiver: TCS Identifier (20 Bytes text)</td></tr><tr><td>43</td><td>Information Type: 0x8E (1 Byte binary)</td></tr></table>	Byte / Bit	Content	00	Protocol Type: 0x70 (1 Byte binary)	01..02	Message Type: 0x0040 (2 Bytes binary)	03..22	Sender: ILS Identifier (20 Bytes text)	23..42	Receiver: TCS Identifier (20 Bytes text)	43	Information Type: 0x8E (1 Byte binary)	310900		
Byte / Bit	Content																
00	Protocol Type: 0x70 (1 Byte binary)																
01..02	Message Type: 0x0040 (2 Bytes binary)																
03..22	Sender: ILS Identifier (20 Bytes text)																
23..42	Receiver: TCS Identifier (20 Bytes text)																
43	Information Type: 0x8E (1 Byte binary)																
Eu.SCI-CC.PDI.662	Info	The Message “Update The Disturbance And Fault Reports Started” is sent after the command “Update The Disturbance And Fault Reports” is received and prior to the sending of all disturbance and fault reports.	310900														
Eu.SCI-CC.PDI.663	Req	<b>Message Type</b> Bytes 01 and 02 shall be set to 0x0040.	310900														
Eu.SCI-CC.PDI.664	Req	<b>Sender Identifier</b> The message bytes 03..22 shall contain the technical identifier of the Subsystem - Electronic Interlocking according to section 3.2.	310900														
Eu.SCI-CC.PDI.665	Req	<b>Receiver Identifier</b> The message bytes 23..42 shall contain the technical identifier of the TCS according to section 3.2.	310900														
Eu.SCI-CC.PDI.666	Req	<b>Information Type</b> Byte 43 shall be set to 0x8E.	310900														
Eu.SCI-CC.PDI.667	Head	<b>3.5.13.6 Message “Update The Disturbance And Fault Reports Completed”</b>	310900														
Eu.SCI-CC.PDI.2242	Info	This telegram refines the InformationFlow "Msg_Update_The_Disturbance_And_Fault_Reports_Completed" specified in the requirements specification (ID Eu.CC.2065).	310900														
Eu.SCI-CC.PDI.668	Info	<div>Telegram definition for status message “Update The Disturbance And Fault Reports Completed”</div> <table><tr><th>Byte / Bit</th><th>Content</th></tr><tr><td>00</td><td>Protocol Type: 0x70 (1 Byte binary)</td></tr><tr><td>01..02</td><td>Message Type: 0x0040 (2 Bytes binary)</td></tr><tr><td>03..22</td><td>Sender: ILS Identifier (20 Bytes text)</td></tr><tr><td>23..42</td><td>Receiver: TCS Identifier (20 Bytes text)</td></tr><tr><td>43</td><td>Information Type: 0x8F (1 Byte binary)</td></tr></table>	Byte / Bit	Content	00	Protocol Type: 0x70 (1 Byte binary)	01..02	Message Type: 0x0040 (2 Bytes binary)	03..22	Sender: ILS Identifier (20 Bytes text)	23..42	Receiver: TCS Identifier (20 Bytes text)	43	Information Type: 0x8F (1 Byte binary)	310900		
Byte / Bit	Content																
00	Protocol Type: 0x70 (1 Byte binary)																
01..02	Message Type: 0x0040 (2 Bytes binary)																
03..22	Sender: ILS Identifier (20 Bytes text)																
23..42	Receiver: TCS Identifier (20 Bytes text)																
43	Information Type: 0x8F (1 Byte binary)																
Eu.SCI-CC.PDI.669	Info	The Message “Update The Disturbance And Fault Reports Completed” is sent after the command “Update The Disturbance And Fault Reports” is received and after sending all disturbance and fault reports.	310900														
Eu.SCI-CC.PDI.670	Req	<b>Message Type</b> Bytes 01 and 02 shall be set to 0x0040.	310900														



ID	Type	Requirement	Appl.																
Eu.SCI-CC.PDI.671	Req	<b>Sender Identifier</b> The message bytes 03..22 shall contain the technical identifier of the Subsystem - Electronic Interlocking according to section 3.2.	310900																
Eu.SCI-CC.PDI.672	Req	<b>Receiver Identifier</b> The message bytes 23..42 shall contain the technical identifier of the TCS according to section 3.2.	310900																
Eu.SCI-CC.PDI.673	Req	<b>Information Type</b> Byte 43 shall be set to 0x8F.	310900																
Eu.SCI-CC.PDI.3156	Head	<b>3.5.14 Remote control functions</b>	Default																
Eu.SCI-CC.PDI.680	Head	<b>3.5.14.1 Command “Manage Local Or Remote Control”</b>	007900 310900																
Eu.SCI-CC.PDI.2243	Info	This telegram refines the InformationFlow "Cd_Manage_Local_Or_Remote_Control" specified in the requirements specification (ID Eu.CC.2031).	007900 310900																
Eu.SCI-CC.PDI.681	Info	Telegram definition for command “Manage Local Or Remote Control” <table><tr><th>Byte / Bit</th><th>Content</th></tr><tr><td>00</td><td>Protocol Type: 0x70 (1 Byte binary)</td></tr><tr><td>01..02</td><td>Message Type: 0x0050 or 0x0055 (2 Bytes binary)</td></tr><tr><td>03..22</td><td>Sender: TCS Identifier (20 Bytes text)</td></tr><tr><td>23..42</td><td>Receiver: ILS Identifier (20 Bytes text)</td></tr><tr><td>43..44</td><td>TAN (2 Bytes binary)</td></tr><tr><td>45</td><td>Information Type: 0x7C (1 Byte binary)</td></tr><tr><td>46</td><td>Instruction (1 Byte binary)</td></tr></table>	Byte / Bit	Content	00	Protocol Type: 0x70 (1 Byte binary)	01..02	Message Type: 0x0050 or 0x0055 (2 Bytes binary)	03..22	Sender: TCS Identifier (20 Bytes text)	23..42	Receiver: ILS Identifier (20 Bytes text)	43..44	TAN (2 Bytes binary)	45	Information Type: 0x7C (1 Byte binary)	46	Instruction (1 Byte binary)	007900 310900
Byte / Bit	Content																		
00	Protocol Type: 0x70 (1 Byte binary)																		
01..02	Message Type: 0x0050 or 0x0055 (2 Bytes binary)																		
03..22	Sender: TCS Identifier (20 Bytes text)																		
23..42	Receiver: ILS Identifier (20 Bytes text)																		
43..44	TAN (2 Bytes binary)																		
45	Information Type: 0x7C (1 Byte binary)																		
46	Instruction (1 Byte binary)																		
Eu.SCI-CC.PDI.682	Req	<b>Message Type</b> Bytes 01 and 02 shall be set to 0x0050 or 0x0055 as defined in section 3.4.1.	007900 310900																
Eu.SCI-CC.PDI.683	Req	<b>Sender Identifier</b> The message bytes 03..22 shall contain the technical identifier of the TCS according to section 3.2.	007900 310900																
Eu.SCI-CC.PDI.684	Req	<b>Receiver Identifier</b> The message bytes 23..42 shall contain the technical identifier of the Subsystem - Electronic Interlocking according to section 3.2.	007900 310900																
Eu.SCI-CC.PDI.3382	Req	<b>TAN</b> Bytes 43 and 44 shall contain a unique transaction number of the command. If the Message Type is set to 0x0055, the transaction number shall be equal to the transaction number used in the command that is being confirmed (see section 3.4.1).	007900 310900																
Eu.SCI-CC.PDI.685	Req	<b>Information Type</b> Byte 45 shall be set to 0x7C.	007900 310900																
Eu.SCI-CC.PDI.686	Req	<b>Instruction</b> Byte 46 shall be set to one of the following values:  value                      information -----                      -----	007900 310900																
Eu.SCI-CC.PDI.687	Req	0x01                      switch to TCS operation - auxiliary command	007900 310900																
Eu.SCI-CC.PDI.688	Req	0x02                      request for TCS operation	007900																
Eu.SCI-CC.PDI.689	Req	0x03                      approve switch to operation from local interlocking panel	007900 310900																
Eu.SCI-CC.PDI.1498	Head	<b>3.5.14.2 Message “Local Or Remote Control”</b>	007900 310900																
Eu.SCI-CC.PDI.2276	Info	This telegram refines the InformationFlow "Msg_Local_Or_Remote_Control" specified in the requirements specification (ID Eu.CC.2032).	007900 310900																

ID	Type	Requirement	Appl.														
Eu.SCI-CC.PDI.1499	Info	Telegram definition for status message “Local Or Remote Control” <table><tr><th>Byte / Bit</th><th>Content</th></tr><tr><td>00</td><td>Protocol Type: 0x70 (1 Byte binary)</td></tr><tr><td>01..02</td><td>Message Type: 0x0040 (2 Bytes binary)</td></tr><tr><td>03..22</td><td>Sender: ILS Identifier (20 Bytes text)</td></tr><tr><td>23..42</td><td>Receiver: TCS Identifier (20 Bytes text)</td></tr><tr><td>43</td><td>Information Type: 0x19 (1 Byte binary)</td></tr><tr><td>44</td><td>Message (1 Byte binary)</td></tr></table>	Byte / Bit	Content	00	Protocol Type: 0x70 (1 Byte binary)	01..02	Message Type: 0x0040 (2 Bytes binary)	03..22	Sender: ILS Identifier (20 Bytes text)	23..42	Receiver: TCS Identifier (20 Bytes text)	43	Information Type: 0x19 (1 Byte binary)	44	Message (1 Byte binary)	007900 310900
Byte / Bit	Content																
00	Protocol Type: 0x70 (1 Byte binary)																
01..02	Message Type: 0x0040 (2 Bytes binary)																
03..22	Sender: ILS Identifier (20 Bytes text)																
23..42	Receiver: TCS Identifier (20 Bytes text)																
43	Information Type: 0x19 (1 Byte binary)																
44	Message (1 Byte binary)																
Eu.SCI-CC.PDI.1500	Req	<b>Message Type</b> Bytes 01 and 02 shall be set to 0x0040.	007900 310900														
Eu.SCI-CC.PDI.1501	Req	<b>SenderIdentifier</b> The message bytes 03..22 shall contain the technical identifier of the Subsystem - Electronic Interlocking according to section 3.2.	007900 310900														
Eu.SCI-CC.PDI.1502	Req	<b>Receiver Identifier</b> The message bytes 23..42 shall contain the technical identifier of the TCS according to section 3.2.	007900 310900														
Eu.SCI-CC.PDI.1503	Req	<b>Information Type</b> The message byte 43 shall be set to 0x19.	007900 310900														
Eu.SCI-CC.PDI.1504	Req	<b>Message</b> The message byte 44 shall be set to one of the following values:  value            meaning -----    -----	007900 310900														
Eu.SCI-CC.PDI.1505	Req	0x01            switch to local operation - auxiliary command	007900 310900														
Eu.SCI-CC.PDI.1506	Req	0x02            approve switch to TCS operation from local interlocking panel	007900 310900														
Eu.SCI-CC.PDI.1507	Req	0x03            request for local operation	007900														
Eu.SCI-CC.PDI.3157	Head	<b>3.5.15 Auxiliary generic functions</b>	Default														
Eu.SCI-CC.PDI.714	Head	<b>3.5.15.1 Command “Reset The "Release Safety Command””</b>	999900														
Eu.SCI-CC.PDI.2247	Info	This telegram refines the InformationFlow "Cd_Reset_The_Release_Safety_Command" specified in the requirements specification (ID Eu.CC.1964).	999900														
Eu.SCI-CC.PDI.715	Info	Telegram definition for command “Reset The "Release Safety Command”” <table><tr><th>Byte / Bit</th><th>Content</th></tr><tr><td>00</td><td>Protocol Type: 0x70 (1 Byte binary)</td></tr><tr><td>01..02</td><td>Message Type: 0x0050 or 0x0055 (2 Bytes binary)</td></tr><tr><td>03..22</td><td>Sender: TCS Identifier (20 Bytes text)</td></tr><tr><td>23..42</td><td>Receiver: ILS Identifier (20 Bytes text)</td></tr><tr><td>43..44</td><td>TAN (2 Bytes binary)</td></tr><tr><td>45</td><td>Information Type: 0x90 (1 Byte binary)</td></tr></table>	Byte / Bit	Content	00	Protocol Type: 0x70 (1 Byte binary)	01..02	Message Type: 0x0050 or 0x0055 (2 Bytes binary)	03..22	Sender: TCS Identifier (20 Bytes text)	23..42	Receiver: ILS Identifier (20 Bytes text)	43..44	TAN (2 Bytes binary)	45	Information Type: 0x90 (1 Byte binary)	999900
Byte / Bit	Content																
00	Protocol Type: 0x70 (1 Byte binary)																
01..02	Message Type: 0x0050 or 0x0055 (2 Bytes binary)																
03..22	Sender: TCS Identifier (20 Bytes text)																
23..42	Receiver: ILS Identifier (20 Bytes text)																
43..44	TAN (2 Bytes binary)																
45	Information Type: 0x90 (1 Byte binary)																
Eu.SCI-CC.PDI.716	Req	<b>Message Type</b> Bytes 01 and 02 shall be set to 0x0050 or 0x0055 as defined in section 3.4.1.	999900														
Eu.SCI-CC.PDI.717	Req	<b>Sender Identifier</b> The message bytes 03..22 shall contain the technical identifier of the TCS according to section 3.2.	999900														
Eu.SCI-CC.PDI.718	Req	<b>Receiver Identifier</b> The message bytes 23..42 shall contain the technical identifier of the Subsystem - Electronic Interlocking according to section 3.2.	999900														
Eu.SCI-CC.PDI.3384	Req	<b>TAN</b> Bytes 43 and 44 shall contain a unique transaction number of the command. If the Message Type is set to 0x0055, the transaction number shall be equal to the transaction number used in the command that is being confirmed (see section 3.4.1).	999900														
Eu.SCI-CC.PDI.719	Req	<b>Information Type</b> Byte 45 shall be set to 0x90.	999900														
Eu.SCI-CC.PDI.616	Head	<b>3.5.15.2 Command “Set Interlocking Time And Date”</b>	007600 007900 310900														

ID	Type	Requirement	Appl.																										
Eu.SCI-CC.PDI.2235	Info	This telegram refines the InformationFlow "Cd_Set_Interlocking_Time_And_Date" specified in the requirements specification (ID Eu.CC.1965).	007600 007900 310900																										
Eu.SCI-CC.PDI.617	Info	Telegram definition for command “Set Interlocking Time And Date” <table><tr><th>Byte / Bit</th><th>Content</th></tr><tr><td>00</td><td>Protocol Type: 0x70 (1 Byte binary)</td></tr><tr><td>01..02</td><td>Message Type: 0x0050 or 0x0055 (2 Bytes binary)</td></tr><tr><td>03..22</td><td>Sender: TCS Identifier (20 Bytes text)</td></tr><tr><td>23..42</td><td>Receiver: ILS Identifier (20 Bytes text)</td></tr><tr><td>43..44</td><td>TAN (2 Bytes binary)</td></tr><tr><td>45</td><td>Information Type: 0x79 (1 Byte binary)</td></tr><tr><td>46</td><td>Year (1 Byte Binary)</td></tr><tr><td>47</td><td>Month (1 Byte Binary)</td></tr><tr><td>48</td><td>Day (1 Byte Binary)</td></tr><tr><td>49</td><td>Hours (1 Byte Binary)</td></tr><tr><td>50</td><td>Minutes (1 Byte Binary)</td></tr><tr><td>51</td><td>Seconds (1 Byte Binary)</td></tr></table>	Byte / Bit	Content	00	Protocol Type: 0x70 (1 Byte binary)	01..02	Message Type: 0x0050 or 0x0055 (2 Bytes binary)	03..22	Sender: TCS Identifier (20 Bytes text)	23..42	Receiver: ILS Identifier (20 Bytes text)	43..44	TAN (2 Bytes binary)	45	Information Type: 0x79 (1 Byte binary)	46	Year (1 Byte Binary)	47	Month (1 Byte Binary)	48	Day (1 Byte Binary)	49	Hours (1 Byte Binary)	50	Minutes (1 Byte Binary)	51	Seconds (1 Byte Binary)	007600 007900 310900
Byte / Bit	Content																												
00	Protocol Type: 0x70 (1 Byte binary)																												
01..02	Message Type: 0x0050 or 0x0055 (2 Bytes binary)																												
03..22	Sender: TCS Identifier (20 Bytes text)																												
23..42	Receiver: ILS Identifier (20 Bytes text)																												
43..44	TAN (2 Bytes binary)																												
45	Information Type: 0x79 (1 Byte binary)																												
46	Year (1 Byte Binary)																												
47	Month (1 Byte Binary)																												
48	Day (1 Byte Binary)																												
49	Hours (1 Byte Binary)																												
50	Minutes (1 Byte Binary)																												
51	Seconds (1 Byte Binary)																												
Eu.SCI-CC.PDI.618	Req	<b>Message Type</b> Bytes 01 and 02 shall be set to 0x0050 or 0x0055 as defined in section 3.4.1.	007600 007900 310900																										
Eu.SCI-CC.PDI.619	Req	<b>Sender Identifier</b> The message bytes 03..22 shall contain the technical identifier of the TCS according to section 3.2.	007600 007900 310900																										
Eu.SCI-CC.PDI.620	Req	<b>Receiver Identifier</b> The message bytes 23..42 shall contain the technical identifier of the Subsystem - Electronic Interlocking according to section 3.2.	007600 007900 310900																										
Eu.SCI-CC.PDI.3385	Req	<b>TAN</b> Bytes 43 and 44 shall contain a unique transaction number of the command. If the Message Type is set to 0x0055, the transaction number shall be equal to the transaction number used in the command that is being confirmed (see section 3.4.1).	007600 007900 310900																										
Eu.SCI-CC.PDI.621	Req	<b>Information Type</b> Byte 45 shall be set to 0x79.	007600 007900 310900																										
Eu.SCI-CC.PDI.626	Req	<b>Year</b> Byte 46 shall contain a value representing the year in Binary Coded Decimal within the range 00 to 99.	007600 007900 310900																										
Eu.SCI-CC.PDI.625	Req	<b>Month</b> Byte 47 shall contain a value representing the month in Binary Coded Decimal within the range 01 to 12.	007600 007900 310900																										
Eu.SCI-CC.PDI.624	Req	<b>Day</b> Byte 48 shall contain a value representing the day in Binary Coded Decimal within the range 01 to 31.	007600 007900 310900																										
Eu.SCI-CC.PDI.622	Req	<b>Hours</b> Byte 49 shall contain a value representing hours (24 hour clock) in Binary Coded Decimal within the range 00 to 23.	007600 007900 310900																										
Eu.SCI-CC.PDI.623	Req	<b>Minutes</b> Byte 50 shall contain a value representing minutes in Binary Coded Decimal within the range 00 to 59.	007600 007900 310900																										
Eu.SCI-CC.PDI.2785	Req	<b>Seconds</b> Byte 51 shall contain a value representing seconds in Binary Coded Decimal within the range 00 to 59.	007600 007900 310900																										
Eu.SCI-CC.PDI.3133	Head	<b>3.5.15.3 Command "Release for Normal Operation"</b>	007600 310900																										
Eu.SCI-CC.PDI.3134	Info	This telegram refines the InformationFlow "Cd_Release_For_Normal_Operation" specified in the requirements specification (ID Eu.CC.1963).	007600 310900																										

ID	Type	Requirement	Appl.														
Eu.SCI-CC.PDI.3135	Info	<div>Telegram definition for command “Release for Normal Operation”</div> <table><tr><th>Byte / Bit</th><th>Content</th></tr><tr><td>00</td><td>Protocol Type: 0x70 (1 Byte binary)</td></tr><tr><td>01..02</td><td>Message Type: 0x0050 or 0x0055 (2 Bytes binary)</td></tr><tr><td>03..22</td><td>Sender: TCS Identifier (20 Bytes text)</td></tr><tr><td>23..42</td><td>Receiver: ILS Identifier (20 Bytes text)</td></tr><tr><td>43..44</td><td>TAN (2 Bytes binary)</td></tr><tr><td>45</td><td>Information Type: 0xA0 (1 Byte binary)</td></tr></table>	Byte / Bit	Content	00	Protocol Type: 0x70 (1 Byte binary)	01..02	Message Type: 0x0050 or 0x0055 (2 Bytes binary)	03..22	Sender: TCS Identifier (20 Bytes text)	23..42	Receiver: ILS Identifier (20 Bytes text)	43..44	TAN (2 Bytes binary)	45	Information Type: 0xA0 (1 Byte binary)	007600 310900
Byte / Bit	Content																
00	Protocol Type: 0x70 (1 Byte binary)																
01..02	Message Type: 0x0050 or 0x0055 (2 Bytes binary)																
03..22	Sender: TCS Identifier (20 Bytes text)																
23..42	Receiver: ILS Identifier (20 Bytes text)																
43..44	TAN (2 Bytes binary)																
45	Information Type: 0xA0 (1 Byte binary)																
Eu.SCI-CC.PDI.3136	Req	<b>Message Type</b> Bytes 01 and 02 shall be set to 0x0050 or 0x0055 as defined in section 3.4.1.	007600 310900														
Eu.SCI-CC.PDI.3137	Req	<b>Sender Identifier</b> The message bytes 03..22 shall contain the technical identifier of the TCS according to section 3.2.	007600 310900														
Eu.SCI-CC.PDI.3138	Req	<b>Receiver Identifier</b> The message bytes 23..42 shall contain the technical identifier of the Subsystem - Electronic Interlocking according to section 3.2.	007600 310900														
Eu.SCI-CC.PDI.3386	Req	<b>TAN</b> Bytes 43 and 44 shall contain a unique transaction number of the command. If the Message Type is set to 0x0055, the transaction number shall be equal to the transaction number used in the command that is being confirmed (see section 3.4.1).	007600 310900														
Eu.SCI-CC.PDI.3139	Req	<b>Information Type</b> Byte 45 shall be set to 0xA0.	007600 310900														