



**EULYNX Initiative**



**Europe's Rail Joint Undertaking**

## **Interface specification SCI-IO**

Contents

<b>1</b>	<b>Introduction</b>	<b>1</b>
1.1	Release information	1
1.2	Impressum	1
1.3	Purpose	2
1.4	Applicable standards and regulations	2
1.5	Applicable documents	2
1.6	Appendices	3
1.7	Terms and abbreviations	3
1.8	Variability management	3
1.9	Definition of object types	3
<b>2</b>	<b>General requirements</b>	<b>3</b>
2.1	Version handling	3
2.2	Communication requirements	3
2.3	Functional requirements	3
<b>3</b>	<b>Telegrams SCI-IO.PDI</b>	<b>3</b>
3.1	Telegram structure	3
3.2	Sender and Receiver Identifier	3
3.3	Message and command type overview	4
3.4	Telegram definitions	4
3.4.1	Command "Set Output Channels"	4
3.4.2	Message "State Of Output Channels"	5
3.4.3	Message "State Of Input Channels"	6

ID	Type	Requirement	Func. Pkg.	JIRA	V 4.0 (4.A) > V 4.0 (3.A)
Eu.SCI-IO.PDI.4	Head	<b>1 Introduction</b>			
Eu.SCI-IO.PDI.5	Head	<b>1.1 Release information</b>			
Eu.SCI-IO.PDI.6	Info	[Eu.Doc.46] Interface specification SCI-IO CENELEC Phase: 5 Version: 4.0 (4.A) Approval date: 02.06.2025			<b>Object Text:</b> [Eu.Doc.46] Interface specification SCI-IO CENELEC Phase: 5 Version: 4.0 ( <del>3</del> 4.A) Approval date: <del>2902.0506.2024</del> 2025
Eu.SCI-IO.PDI.1	Info	<b>Version history</b>			
Eu.SCI-IO.PDI.231	Info	version number: 4.0 (0.A) date: 16.05.2022 author: Jorge Block review: CCB changes: EUIO-368, EUIO-372			
Eu.SCI-IO.PDI.232	Info	version number: 4.0 (1.A) date: 06.04.2023 author: Jorge Block, Philipp Wolber review: changes: EUIO-377, EUIO-379			
Eu.SCI-IO.PDI.233	Info	version number: 4.0 (2.A) date: 27.06.2023 author: Jorge Block review: TACS Mirror Group changes: EUIO-387, EUIO-389, EUIO-392, EUIO-395			
Eu.SCI-IO.PDI.235	Info	version number: 4.0 (3.A) date: 19.06.2024 author: Jorge Block, Ricky Holz review: TACS Mirror Group changes: EUIO-422, EUIO-433, EUIO-434			
Eu.SCI-IO.PDI.236	Info	version number: 4.0 (4.A) date: 19.06.2025 author: Jorge Block, Ricky Holz review: TACS Mirror Group changes: EUIO-440			object created after baseline 4.0 (3.A)
Eu.SCI-IO.PDI.7	Head	<b>1.2 Impressum</b>			
Eu.SCI-IO.PDI.8	Info	Publisher:  <b>Europe’s Rail Joint Undertaking</b> <a href="https://rail-research.europa.eu/">https://rail-research.europa.eu/</a>  <b>EULYNX Initiative</b> <a href="https://eulynx.eu/">https://eulynx.eu/</a>			
Eu.SCI-IO.PDI.9	Info	Responsible for this document: EU-Rail System Pillar Trackside Assets Control and Supervision domain			
Eu.SCI-IO.PDI.201	Info	This document is drafted by and belongs to EU Rail.  EU Rail encourages the distribution and re-use of this document, the technical specifications and the information it contains.			

ID	Type	Requirement	Func. Pkg.	JIRA	V 4.0 (4.A) > V 4.0 (3.A)
		<p>EU Rail holds several intellectual property rights, such as copyright and trade mark rights, which need to be considered when this document is used.</p> <p>EU Rail authorizes you to re-publish, re-use, copy and store this document without changing it, provided that you indicate its source and include the following mention [EU Rail trade mark, title of the document, year of publication, version of document].</p> <p>EU Rail makes no representation or warranty as to the accuracy or completeness of the information contained within these documents. EU Rail shall have no liability to any party as a result of the use of the information contained herein. EU Rail will have no liability whatsoever for any indirect or consequential loss or damage, and any such liability is expressly excluded.</p> <p>You may study, research, implement, adapt, improve and otherwise use the information, the content and the models in this document for your own purposes. If you decide to publish or disclose any adapted, modified or improved version of this document, any amended implementation or derivative work, then you must indicate that you have modified this document, with a reference to the document name and the terms of use of this document. You may not use EU Rail's trade marks or name in any way that may state or suggest, directly or indirectly, that EU Rail is the author of your adaptations. EU Rail cannot be held responsible for your product, even if you have used this document and its content. It is your responsibility to verify the quality, completeness and the accuracy of the information you use, for your own purposes.</p>			
Eu.SCI-IO.PDI.10	Head	<b>1.3 Purpose</b>			
Eu.SCI-IO.PDI.11	Info	This document specifies the application layer of the standardised interface for safe communication between the Subsystem - Electronic Interlocking and Subsystem - Generic IO (SCI-IO).			
Eu.SCI-IO.PDI.12	Info	This application layer is designated as SCI-IO.PDI.			
Eu.SCI-IO.PDI.13	Info	This document contains the general requirements for communication and the technical specification (e.g. telegrams) of the SCI-IO.PDI.			
Eu.SCI-IO.PDI.14	Info	This specification does not define the detailed behaviour of the interfacing partners (Subsystem - Electronic Interlocking and Subsystem - Generic IO), nor the situations in which the defined telegrams are sent. This behaviour is the subject of the individual system specifications.			
Eu.SCI-IO.PDI.15	Info	Some items, referring to "interface-related" functionality of the communication partners, have been added to this specification as information, providing an overview only. In any case these are subject to appropriate systems (national) specification.			
Eu.SCI-IO.PDI.16	Info	<p>This document is intended for the following users:</p> <ul style="list-style-type: none"> <li>• safety authorities</li> <li>• infrastructure managers</li> <li>• safety assessors</li> <li>• signalling system suppliers</li> <li>• validators</li> </ul>			
Eu.SCI-IO.PDI.234	Info	This document is applicable for both the EU-Rail System Pillar target architecture and the EULYNX architecture. The document is delivered as a single specification fitting both the System Pillar documentation sets and the EULYNX documentation sets. EU-Rail System Pillar is the technical authority for this document.			
Eu.SCI-IO.PDI.18	Head	<b>1.4 Applicable standards and regulations</b>			
Eu.SCI-IO.PDI.19	Info	The applicable standards and regulations used in EULYNX are listed in the EULYNX Reference Document List [Eu.Doc.12].			
Eu.SCI-IO.PDI.198	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-IO" is stated.			
Eu.SCI-IO.PDI.20	Head	<b>1.5 Applicable documents</b>			
Eu.SCI-IO.PDI.21	Info	The current versions of documents used as input or related to this document are listed in the EULYNX Documentation Plan [Eu.Doc.11]. The relationships between the documents are displayed in the Appendix A1 Documentation plan and structure [Eu.Doc.11_A1].			

ID	Type	Requirement	Func. Pkg.	JIRA	V 4.0 (4.A) > V 4.0 (3.A)
Eu.SCI-IO.PDI.24	Head	<b>1.6 Appendices</b>			
Eu.SCI-IO.PDI.25	Info	- <i>intentionally left blank</i> -			
Eu.SCI-IO.PDI.150	Head	<b>1.7 Terms and abbreviations</b>			
Eu.SCI-IO.PDI.151	Info	The terms and abbreviations are listed in the EULYNX Glossary [Eu.Doc.9].			
Eu.SCI-IO.PDI.152	Head	<b>1.8 Variability management</b>			
Eu.SCI-IO.PDI.153	Info	This document describes harmonised requirements. Variability management is not applicable.			
Eu.SCI-IO.PDI.26	Head	<b>1.9 Definition of object types</b>			
Eu.SCI-IO.PDI.27	Info	The following definition for object types is applied in this document:			
Eu.SCI-IO.PDI.28	Info	<ul style="list-style-type: none"><li>"Req" - This denotes a mandatory requirement.</li></ul>			
Eu.SCI-IO.PDI.31	Info	<ul style="list-style-type: none"><li>"Info" - This denotes additional information to help understand the specification. These objects do not specify any additional requirements.</li></ul>			
Eu.SCI-IO.PDI.32	Info	<ul style="list-style-type: none"><li>"Head" - This denotes chapter headings.</li></ul>			
Eu.SCI-IO.PDI.33	Head	<b>2 General requirements</b>			
Eu.SCI-IO.PDI.228	Req	All references to [Eu.Doc.45] refer to Requirements specification for subsystem Generic IO 4.3.		EUIO-440	<b>Object Text:</b> All references to [Eu.Doc.45] refer to Requirements specification for subsystem Generic IO 4.3- <del>(0.A)</del> . <b>a_JIRA_BL4R4:</b> <a href="#">EUIO-440</a>
Eu.SCI-IO.PDI.221	Req	All references to [Eu.Doc.93] refer to Interface specification SCI Generic version 3.3.		EUIO-440	<b>Object Text:</b> All references to [Eu.Doc.93] refer to Interface specification SCI Generic version 3.3- <del>(0.A)</del> . <b>a_JIRA_BL4R4:</b> <a href="#">EUIO-440</a>
Eu.SCI-IO.PDI.42	Head	<b>2.1 Version handling</b>			
Eu.SCI-IO.PDI.212	Info	The Version handling is described in [Eu.Doc.93].			
Eu.SCI-IO.PDI.222	Req	The PDI-version of the SCI-IO as described in this document is 0x03.			
Eu.SCI-IO.PDI.49	Head	<b>2.2 Communication requirements</b>			
Eu.SCI-IO.PDI.50	Info	The Communication requirements are described in [Eu.Doc.93].			
Eu.SCI-IO.PDI.229	Head	<b>2.3 Functional requirements</b>			
Eu.SCI-IO.PDI.230	Info	The functional requirements for SCI-IO are described in [Eu.Doc.45].			
Eu.SCI-IO.PDI.54	Head	<b>3 Telegrams SCI-IO.PDI</b>			
Eu.SCI-IO.PDI.55	Info	This chapter defines the SCI-IO.PDI telegrams.	Basic IO		
Eu.SCI-IO.PDI.56	Head	<b>3.1 Telegram structure</b>			
Eu.SCI-IO.PDI.213	Info	The telegram structure is specified in [Eu.Doc.93].	Basic IO		
Eu.SCI-IO.PDI.64	Head	<b>3.2 Sender and Receiver Identifier</b>			

ID	Type	Requirement	Func. Pkg.	JIRA	V 4.0 (4.A) > V 4.0 (3.A)																				
Eu.SCI-IO.PDI.214	Info	The identification of communications partners is specified in [Eu.Doc.93].	Basic IO																						
Eu.SCI-IO.PDI.70	Head	3.3 Message and command type overview																							
Eu.SCI-IO.PDI.71	Info	<div>The following table shows permitted subsystem specific message types for the SCI-IO.PDI. The permitted generic message types are specified in [Eu.Doc.93].</div> <table><tr><th>Message Type</th><th>Value</th><th>Sender</th><th>Receiver</th><th>Purpose</th></tr><tr><td>command Set Output Channels</td><td>0x0001</td><td>Subsystem – Electronic Interlocking</td><td>Subsystem – Generic IO</td><td>Switching command to set states at the Output Channels</td></tr><tr><td>message State Output Channels</td><td>0x0002</td><td>Subsystem – Generic IO</td><td>Subsystem – Electronic Interlocking</td><td>The current state of disturbance of the Output Channels</td></tr><tr><td>message State Input Channels</td><td>0x0003</td><td>Subsystem – Generic IO</td><td>Subsystem – Electronic Interlocking</td><td>The current state of the Input Channels</td></tr></table>	Message Type	Value	Sender	Receiver	Purpose	command Set Output Channels	0x0001	Subsystem – Electronic Interlocking	Subsystem – Generic IO	Switching command to set states at the Output Channels	message State Output Channels	0x0002	Subsystem – Generic IO	Subsystem – Electronic Interlocking	The current state of disturbance of the Output Channels	message State Input Channels	0x0003	Subsystem – Generic IO	Subsystem – Electronic Interlocking	The current state of the Input Channels	Basic IO		
Message Type	Value	Sender	Receiver	Purpose																					
command Set Output Channels	0x0001	Subsystem – Electronic Interlocking	Subsystem – Generic IO	Switching command to set states at the Output Channels																					
message State Output Channels	0x0002	Subsystem – Generic IO	Subsystem – Electronic Interlocking	The current state of disturbance of the Output Channels																					
message State Input Channels	0x0003	Subsystem – Generic IO	Subsystem – Electronic Interlocking	The current state of the Input Channels																					
Eu.SCI-IO.PDI.72	Head	3.4 Telegram definitions																							
Eu.SCI-IO.PDI.73	Info	In this chapter, specific telegrams for SCI-IO.PDI are defined. The generic telegrams are defined in [Eu.Doc.93].	Basic IO																						
Eu.SCI-IO.PDI.158	Head	3.4.1 Command "Set Output Channels"																							
Eu.SCI-IO.PDI.159	Info	With this telegram the Subsystem - Electronic Interlocking commands the Subsystem - Generic IO to set a given state at the Output Channels. This telegram refines the InformationFlow "Cd_Set_Output_Channels" specified in the requirements specification (ID Eu.IO.7962).	Basic IO																						
Eu.SCI-IO.PDI.161	Info	<div>Telegram definition for command "Set Output Channels"</div> <table><tr><th>Byte-Nr.</th><th>Content</th></tr><tr><td>00</td><td>Protocol Type: 0x90 (1 Byte binary)</td></tr><tr><td>01..02</td><td>Message Type: 0x0001 (2 Bytes binary)</td></tr><tr><td>03..22</td><td>Sender Identifier (20 Bytes ISO IEC 8859-1:1998)</td></tr><tr><td>23..42</td><td>Receiver Identifier (20 Bytes ISO IEC 8859-1:1998)</td></tr><tr><td>43</td><td>Number k of following channels (1 Byte binary)</td></tr><tr><td>44.. 44+k-1</td><td>State of channel n (each 1 Byte binary) (1 &lt;= n &lt;= k)</td></tr></table>	Byte-Nr.	Content	00	Protocol Type: 0x90 (1 Byte binary)	01..02	Message Type: 0x0001 (2 Bytes binary)	03..22	Sender Identifier (20 Bytes ISO IEC 8859-1:1998)	23..42	Receiver Identifier (20 Bytes ISO IEC 8859-1:1998)	43	Number k of following channels (1 Byte binary)	44.. 44+k-1	State of channel n (each 1 Byte binary) (1 <= n <= k)	Basic IO								
Byte-Nr.	Content																								
00	Protocol Type: 0x90 (1 Byte binary)																								
01..02	Message Type: 0x0001 (2 Bytes binary)																								
03..22	Sender Identifier (20 Bytes ISO IEC 8859-1:1998)																								
23..42	Receiver Identifier (20 Bytes ISO IEC 8859-1:1998)																								
43	Number k of following channels (1 Byte binary)																								
44.. 44+k-1	State of channel n (each 1 Byte binary) (1 <= n <= k)																								
Eu.SCI-IO.PDI.160	Req	Permitted values for command "Set Output Channels":	Basic IO																						
Eu.SCI-IO.PDI.162	Req	<b>Message Type</b> The message bytes 1 - 2 shall be set to 0x0001.	Basic IO																						
Eu.SCI-IO.PDI.163	Req	<b>Sender Identifier</b> The message bytes 3 - 22 shall contain the technical identifier of the Subsystem - Electronic Interlocking according to ID Eu.SCI-XX.PDI.59 in ISO IEC 8859-1:1998 format.	Basic IO																						
Eu.SCI-IO.PDI.165	Req	<b>Receiver Identifier</b> The message bytes 23 - 42 shall contain the operational identifier of the Adjacent IO System according to ID Eu.SCI-XX.PDI.59 in ISO IEC 8859-1:1998 format.	Basic IO																						

ID	Type	Requirement	Func. Pkg.	JIRA	V 4.0 (4.A) > V 4.0 (3.A)														
Eu.SCI-IO.PDI.164	Req	<b>Number k of following channels</b> The message byte 43 contains the number k of below-given statuses for Output Channels, transmitted in single bytes. Maximum, 51 Output Channels can be commanded, therefore, the highest permitted value for byte 43 is 0x33.	Basic IO																
Eu.SCI-IO.PDI.166	Req	<b>State of channel n</b> The message bytes 44..44+k-1 (1 <= n <= k) contain the target states of the particular Output Channel n. Permitted values:  Value            meaning -----        -----	Basic IO																
Eu.SCI-IO.PDI.168	Req	0x01            Channel Switched Off	Basic IO																
Eu.SCI-IO.PDI.169	Req	0x02            Channel Switched On	Basic IO																
Eu.SCI-IO.PDI.227	Req	0x03            Channel Flashing	Option flashing																
Eu.SCI-IO.PDI.170	Head	<b>3.4.2 Message "State Of Output Channels"</b>																	
Eu.SCI-IO.PDI.172	Info	With this telegram the Subsystem - Generic IO reports the status related to disturbance of the Output Channels to the Subsystem - Electronic Interlocking. This telegram refines the InformationFlow "Msg_State_Of_Output_Channels" specified in the requirements specification (ID Eu.IO.7964).	Basic IO																
Eu.SCI-IO.PDI.173	Info	Telegram definition for message "State Of Output Channels" <table><tr><th>Byte-Nr.</th><th>Content</th></tr><tr><td>00</td><td>Protocol Type: 0x90 (1 Byte binary)</td></tr><tr><td>01..02</td><td>Message Type: 0x0002 (2 Bytes binary)</td></tr><tr><td>03..22</td><td>Sender Identifier (20 Bytes ISO IEC 8859-1:1998)</td></tr><tr><td>23..42</td><td>Receiver Identifier (20 Bytes ISO IEC 8859-1:1998)</td></tr><tr><td>43</td><td>Number k of following channels (1 Byte binary)</td></tr><tr><td>44.. 44+k-1</td><td>Disturbance of channel n (each 1 Byte binary) (1 &lt;= n &lt;= k)</td></tr></table>	Byte-Nr.	Content	00	Protocol Type: 0x90 (1 Byte binary)	01..02	Message Type: 0x0002 (2 Bytes binary)	03..22	Sender Identifier (20 Bytes ISO IEC 8859-1:1998)	23..42	Receiver Identifier (20 Bytes ISO IEC 8859-1:1998)	43	Number k of following channels (1 Byte binary)	44.. 44+k-1	Disturbance of channel n (each 1 Byte binary) (1 <= n <= k)	Basic IO		
Byte-Nr.	Content																		
00	Protocol Type: 0x90 (1 Byte binary)																		
01..02	Message Type: 0x0002 (2 Bytes binary)																		
03..22	Sender Identifier (20 Bytes ISO IEC 8859-1:1998)																		
23..42	Receiver Identifier (20 Bytes ISO IEC 8859-1:1998)																		
43	Number k of following channels (1 Byte binary)																		
44.. 44+k-1	Disturbance of channel n (each 1 Byte binary) (1 <= n <= k)																		
Eu.SCI-IO.PDI.171	Req	Permitted values for message "State Of Output Channels":	Basic IO																
Eu.SCI-IO.PDI.175	Req	<b>Message Type</b> The message bytes 1 - 2 shall be set to 0x0002.	Basic IO																
Eu.SCI-IO.PDI.176	Req	<b>Sender Identifier</b> The message bytes 3 - 22 shall contain the operational identifier of the Adjacent IO System according to ID Eu.SCI-XX.PDI.59 in ISO IEC 8859-1:1998 format.	Basic IO																
Eu.SCI-IO.PDI.177	Req	<b>Receiver Identifier</b> The message bytes 23 - 42 shall contain the technical identifier of the Subsystem - Electronic Interlocking according to ID Eu.SCI-XX.PDI.59 in ISO IEC 8859-1:1998 format.	Basic IO																
Eu.SCI-IO.PDI.178	Req	<b>Number k of following channels</b> The message byte 43 contains the number k of below-given statuses for Output Channels, transmitted in single bytes. Maximum, 51 Output Channels can be commanded, therefore, the highest permitted value for byte 43 is 0x33.	Basic IO																

ID	Type	Requirement	Func. Pkg.	JIRA	V 4.0 (4.A) > V 4.0 (3.A)														
Eu.SCI-IO.PDI.179	Req	<b>Disturbance of channel n</b> The message bytes 44..44+k-1 (1 <= n <= k) contain the current states of disturbance of the particular Output Channel n. Permitted values:  Value            meaning -----            -----	Basic IO																
Eu.SCI-IO.PDI.180	Req	0x01            Channel Not Physically Disturbed	Basic IO																
Eu.SCI-IO.PDI.181	Req	0x02            Channel Physically Disturbed	Basic IO																
Eu.SCI-IO.PDI.184	Head	<b>3.4.3 Message "State Of Input Channels"</b>																	
Eu.SCI-IO.PDI.186	Info	With this telegram the Subsystem - Generic IO reports the current state of the Input Channels to the Subsystem - Electronic Interlocking. This telegram refines the InformationFlow "Msg_State_Of_Input_Channels" specified in the requirements specification (ID Eu.IO.7963).	Basic IO																
Eu.SCI-IO.PDI.187	Info	Telegram definition for message "State Of Input Channels" <table><tr><th>Byte-Nr.</th><th>Content</th></tr><tr><td>00</td><td>Protocol Type: 0x90 (1 Byte binary)</td></tr><tr><td>01..02</td><td>Message Type: 0x0003 (2 Bytes binary)</td></tr><tr><td>03..22</td><td>Sender Identifier (20 Bytes ISO IEC 8859-1:1998)</td></tr><tr><td>23..42</td><td>Receiver Identifier (20 Bytes ISO IEC 8859-1:1998)</td></tr><tr><td>43</td><td>Number k of following channels (1 Byte binary)</td></tr><tr><td>44.. 44+k-1</td><td>State of channel n (each 1 Byte binary) (1 &lt;= n &lt;= k)</td></tr></table>	Byte-Nr.	Content	00	Protocol Type: 0x90 (1 Byte binary)	01..02	Message Type: 0x0003 (2 Bytes binary)	03..22	Sender Identifier (20 Bytes ISO IEC 8859-1:1998)	23..42	Receiver Identifier (20 Bytes ISO IEC 8859-1:1998)	43	Number k of following channels (1 Byte binary)	44.. 44+k-1	State of channel n (each 1 Byte binary) (1 <= n <= k)	Basic IO		
Byte-Nr.	Content																		
00	Protocol Type: 0x90 (1 Byte binary)																		
01..02	Message Type: 0x0003 (2 Bytes binary)																		
03..22	Sender Identifier (20 Bytes ISO IEC 8859-1:1998)																		
23..42	Receiver Identifier (20 Bytes ISO IEC 8859-1:1998)																		
43	Number k of following channels (1 Byte binary)																		
44.. 44+k-1	State of channel n (each 1 Byte binary) (1 <= n <= k)																		
Eu.SCI-IO.PDI.188	Req	Permitted values for message "State Of Input Channels":	Basic IO																
Eu.SCI-IO.PDI.189	Req	<b>Message Type</b> The message bytes 1 - 2 shall be set to 0x0003.	Basic IO																
Eu.SCI-IO.PDI.190	Req	<b>Sender Identifier</b> The message bytes 3 - 22 have to contain the operational identifier of the Adjacent IO System according to ID Eu.SCI-XX.PDI.59 in ISO IEC 8859-1:1998 format.	Basic IO																
Eu.SCI-IO.PDI.191	Req	<b>Receiver Identifier</b> The message bytes 23 - 42 shall contain the technical identifier of the Subsystem - Electronic Interlocking according to ID Eu.SCI-XX.PDI.59 in ISO IEC 8859-1:1998 format.	Basic IO																
Eu.SCI-IO.PDI.192	Req	<b>Number k of following channels</b> The message byte 43 contains the number k of below-given statuses for Input Channels, transmitted in single bytes. Maximum, 51 Input Channels can be supervised, therefore, the highest permitted value for byte 43 is 0x33.	Basic IO																
Eu.SCI-IO.PDI.193	Req	<b>State of channel n</b> The message bytes 44..44+k-1 (1 <= n <= k) contain the current states of the particular Input Channel n. Permitted values:  Value            meaning -----            -----	Basic IO																
Eu.SCI-IO.PDI.195	Req	0x01            Channel Switched Off	Basic IO																
Eu.SCI-IO.PDI.196	Req	0x02            Channel Switched On	Basic IO																



ID	Type	Requirement	Func. Pkg.	JIRA	V 4.0 (4.A) > V 4.0 (3.A)
Eu.SCI-IO.PDI.197	Req	0x03 Channel Disturbed	Basic IO		