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Project: **00_CommonProfile**

Working Group: **C3 / PG13**

CR-Filter - Settings: (State)

Displaying Change-Requests of Project: 00_CommonProfile			
Originator		Company	Email
Maul, Jürgen		Siemens	juergen.maul@siemens.com
Assignee		Found in Version	Fixed in Version
Hackenstraß, Kai		D0.9.9	---
ID	State	Creation Date	Last Changed
23	Review	08.06.2017 13:04:12	31.07.2017 13:21:28
Line	Clause / Subclause Number	Clause / Subclause Title	Page
315	5.4	---	16
Abstract: List of ProfileIdentifier missing			
Description: List of ProfileIdentifier (under www.io-link.com) is missing. Please insert list.			
Responses: Coreteam 2017-06-12: Accepted in principle, Extension will be added [Implementation] 2017-07-20 Coreteam : providing the profile overview same as vendor ID table, KH [review]			
Test:			
Compatibility: no impact			
Attached Files:			
<i>No downloadable files available!</i>			

[Link to IO-Link.com](#)

Originator		Company	Email
Willems, Klaus-Peter		TMG TE GmbH	willems@tmgte.de
Assignee		Found in Version	Fixed in Version
Hackenstraß, Kai		V1.0	---
ID	State	Creation Date	Last Changed
26	Review	03.08.2017 18:05:22	11.02.2019 14:53:04
Line	Clause / Subclause Number	Clause / Subclause Title	Page
33	1	---	7

Abstract:
Common Profile for "non profile devices"

Description:
The common Profile should applied also if no device profile is available. This recommendation should be given. And also how to implement: function class list without Profile number.

Responses:
2018-04-23 HK: check for wording and recommendation, check rule for providing list of IDs 2019-02-11 HK: Insert new clause between clause 5 and clause 6 “Rules and Constraints for developing IO-Link Profile devices” with the guideline which profiles should be implemented. The targeted reader is the Device designer. Proposed clause content see attachment.

Test:

Compatibility: no impact

Attached Files:

Filename	Version	Rev.	Doc.	Filesize [Byte]	File Added
2019-02-11 CommonProfile CR26 Proposal.pdf [^]	-	-	-	101,471	11.02.2019



Originator		Company	Email
Rentschler, Markus		Balluff	markus.rentschler@balluff.de
Assignee		Found in Version	Fixed in Version
---		D0.9.9	---
ID	State	Creation Date	Last Changed
11	Refused	16.03.2017 14:08:45	26.06.2017 16:05:11
Line	Clause / Subclause Number	Clause / Subclause Title	Page
646	B.1	---	27

Abstract:

"Serial Number" too limited

Description:

"Serial Number" length is limited to "max. 16 octets", which might be not enough in some cases.
 Proposal: Increase allowed length to "max. 32 octets"

Responses:

Coreteam 2017-06-13 The Common Profiles references only the standardized parameter which is defined in the IO-Link Interface and System specification (B.2.13). Any change on this parameter will have deep impacts on the communication specification and the derived implementations also on the system implementations. Also not all systems above are able to handle a larger serial number. [Refused]

Test:

Compatibility: no impact

Attached Files:

No downloadable files available!

Originator		Company	Email
Flögel, Werner		GEMÜ Gebr. Müller Apparatebau GmbH & Co. KG	werner.floegel@gemue.de
Assignee		Found in Version	Fixed in Version
---		D0.9.9	---
ID	State	Creation Date	Last Changed
15	Refused	19.05.2017 15:16:09	26.06.2017 16:10:07
Line	Clause / Subclause Number	Clause / Subclause Title	Page
---	---	---	Annex B1
Abstract:			
Enhance length of serialnumber			
Description:			
Requ.: The serialnumber shall be compatible to other electronic identifiers. Crit.: enhance length to a minimum of 24 characters.			
Responses:			
Coreteam 2017-06-12 Duplicate of CR ID 11. [Refused]			
Test:			
Compatibility: no impact			
Attached Files:			
<i>No downloadable files available!</i>			

Originator		Company	Email
Flögel, Werner		GEMÜ Gebr Müller Apparatebau GmbH & Co. KG	werner.floegel@gemue.de
Assignee		Found in Version	Fixed in Version
---		D0.9.9	---
ID	State	Creation Date	Last Changed
17	Refused	19.05.2017 15:32:09	26.06.2017 16:16:31
Line	Clause / Subclause Number	Clause / Subclause Title	Page
---	Homepage	---	---

Abstract:
[Complete Homepage with link references](#)

Description:
 Requ.: Homepage shall info about all relevant specifications Crit.: Add Smart Sensor Profile V1.1

Responses:
 Coreteam 2017-06-12: Request redirected to marketing work group, see CR 82 on marketing requirement [Refused]

Test:

Compatibility: no impact

Attached Files:

No downloadable files available!

Originator		Company	Email
Willems, Klaus-Peter		TMG TE GmbH	willems@tmgte.de
Assignee		Found in Version	Fixed in Version
Hackenstraß, Kai		V1.0	---
ID	State	Creation Date	Last Changed
27	Review	08.08.2017 11:19:38	11.02.2019 14:53:30
Line	Clause / Subclause Number	Clause / Subclause Title	Page
15	---	---	2

Abstract:
[Publishing on IO-Link.com](#)

Description:
 Note 3 on page 2 requires (shall) publishing manufacturer declaration, IODD and test documents on IO-Link.com. 1. proposal : add manufacturer declaration to IODDFinder 2. no Publishing of test documents. The manufacturer declaration is enough. If not: What means test documents?

Responses:
 2019-02-11 HK Change according to communication specification V1.1.3, [Review]

Test:

Compatibility: no impact

Attached Files:

No downloadable files available!

Originator		Company	Email
Willems, Klaus-Peter		TMG TE GmbH	willems@tmgte.de
Assignee		Found in Version	Fixed in Version
Hackenstraß, Kai		V1.0	---
ID	State	Creation Date	Last Changed
28	Review	08.08.2017 11:33:26	11.02.2019 14:54:04
Line	Clause / Subclause Number	Clause / Subclause Title	Page
648	B1	---	27

Abstract:

IODD representation of Profile variables

Description:

The representation of the variables should be specified including the Texts. Best approach for all variables which have to be described in the IODD would be to extent the Standard definitions. Some variables shall not be described explicitly because they are defined indirectly. E.G. PDInputDescriptor: by Profile Characteristics and ProcessDataCollection. FunctionTag/LocationTag all other languages (of Standard definitions) should be spcified also

Responses:

2019-02-11 HK: accepted in principle. As many parameter as possible should be included in the standard definitions. A specific representation of the Profile Characteristic in the configuration software tool is described in Annex D.4.2. Also some general menu representation rules are defined in D.2 [Review]

Test:

Compatibility: no impact

Attached Files:

No downloadable files available!

Originator		Company	Email
Willems, Klaus-Peter		TMG TE GmbH	willems@tmgte.de
Assignee		Found in Version	Fixed in Version
Hackenstraß, Kai		V1.0	---
ID	State	Creation Date	Last Changed
29	Review	08.08.2017 12:02:20	11.02.2019 14:54:33
Line	Clause / Subclause Number	Clause / Subclause Title	Page
508	A,2	---	22

Abstract:

Description of function class identification

Description:

All variables which are mandatory for identification shall be listed in chapter A.2 additional to Product ID, Firmware Revision, Application Specific Tag also Hardware Revision, Serial Number should be listed.

Responses:

2019-02-11 HK: this overview is already provided in table B.1 where all parameters, which are now mandatory, are listed. Nevertheless, the parameter serial number and hardware revision are never mentioned in the text of any function class. These parameters should be added in the Extended Identification Function Class, clause A.5, as they are listed in Table B.1 and Table B.8, they are already mandatory. [Review]

Test:

Compatibility: no impact

Attached Files:

No downloadable files available!

Originator		Company	Email
Willems, Klaus-Peter		TMG TE GmbH	willems@tmgte.de
Assignee		Found in Version	Fixed in Version
Hackenstraß, Kai		V1.0	---
ID	State	Creation Date	Last Changed
30	Review	08.08.2017 12:07:05	11.02.2019 14:55:06
Line	Clause / Subclause Number	Clause / Subclause Title	Page
622	A.4	---	26

Abstract:

Error Count mandatory for function class diagnosis

Description:

For best interoperability: If device Status and detailed device Status is implemented there is no reason not to implement error Count.

Responses:

2019-02-11 HK: Proposed comment for refusal: there is no definition for the error count available right now. Which error should be counted and which should be ignored. All other parameters are completely defined and only set to mandatory. [Review]

Test:

Compatibility: no impact

Attached Files:

No downloadable files available!

Originator		Company	Email
Willems, Klaus-Peter		TMG TE GmbH	willems@tmgte.de
Assignee		Found in Version	Fixed in Version
Hackenstraß, Kai		V1.0	---
ID	State	Creation Date	Last Changed
31	Review	08.08.2017 12:13:15	11.02.2019 14:55:35
Line	Clause / Subclause Number	Clause / Subclause Title	Page
622	A.4	---	26

Abstract:

Function Class Diagnosis highly recommended - please describe conditions

Description:

"Diagnosis" should be mandatory if the device provides standard or device specific events for diagnosis.

Responses:

2019-02-11 HK: Proposal for refusal: As defined in table 8 the ProfileID 04000 requires the FunctionClassID 8003 as mandatory and the ProfileIDs 0002 to 000D also require the ProfileID 4000 (SSP L1 48f, 500f, and 544f). Therefore it is already mandatory. [Review]

Test:

Compatibility: no impact

Attached Files:

No downloadable files available!

Originator	Company	Email	
Hackenstraß, Kai	ifm prover GmbH	kai.hackenstrass@ifm.com	
Assignee	Found in Version	Fixed in Version	
Hackenstraß, Kai	V1.0	---	
ID	State	Creation Date	Last Changed
32	Review	27.11.2017 15:07:10	11.02.2019 14:56:05
Line	Clause / Subclause Number	Clause / Subclause Title	Page
653	B.1	---	28

Abstract:

Static content of some parameters needed

Description:

Today the specification allows a dynamic content of the describing parameters like Profile Characteristic or PDInput Descriptor. The dynamic content does not allow a generic use of the content without further knowledge of the controlling parameters of this content. As the static use is possible, for example with different DeviceIDs, the following parameters shall be marked as static und unchanged during Device lifetime. - Profile Characteristic; - PDInput Descriptor; - PDOOutput Descriptor; - Vendor Name; - Product Name; - Product ID; - Serial Number; - Hardware Revision; - Software Revision.

Responses:

2019-02-11 HK: accepted in principle. Property should be added to the description of the parameters, some should be added in the core specification or smart sensor profile spec. [Review]

Test:

Compatibility: no impact

Attached Files:

No downloadable files available!

Originator	Company	Email
Lindenthal, Hartmut	Pepperl+Fuchs	hlindenthal@de.pepperl-fuchs.com
Assignee	Found in Version	Fixed in Version
Hackenstraß, Kai	V1.0	---
ID	State	Creation Date
33	Review	06.12.2017 14:27:46
		11.02.2019 14:45:51
Line	Clause / Subclause Number	Clause / Subclause Title
645	B.1	---
		28

Abstract:

Indices for parameters Function Tag and Location Tag in conflict

Description:

Indices for parameters Function Tag and Location Tag are in conflict with definition of system specification. (see CR 133 for system specification 1.1.2). Proposal: change system specification (release parameters) or move indices to profile specific index range. (required for update of IODD checker).

Responses:

2019-02-11 HK: proposal for refusal. See definition in communication specification V1.1.3 [Review]

Test:

Compatibility: no impact

Attached Files:

No downloadable files available!

Originator		Company	Email
Lindenthal, Hartmut		Pepperl+Fuchs	hlindenthal@de.pepperl-fuchs.com
Assignee		Found in Version	Fixed in Version
Hackenstraß, Kai		V1.0	---
ID	State	Creation Date	Last Changed
34	Review	05.02.2018 10:55:44	11.02.2019 14:56:37
Line	Clause / Subclause Number	Clause / Subclause Title	Page
699	B.6	---	31

Abstract:

Encoding for string variables undefined

Description:

Data type for string variables LocationTag and FunctionTag are StringT, which allows encoding as US-ASCII or UTF-8. In IODD and IODD StandardDefinitions a defined encoding is required. Add encoding information for the Variable -> UTF-8

Responses:

2019-02-11 HK: accepted in principle. Proposed change : assign UTF-8 for these parameters in the sample IODD. The specification will get a hint to use UTF-8. Add bullet point in D.2 - All StringT variables shall be encoded in UTF-8 [Review]

Test:

Compatibility: no impact

Attached Files:

No downloadable files available!

Originator		Company	Email
Lindenthal, Hartmut		Pepperl+Fuchs	hlindenthal@de.pepperl-fuchs.com
Assignee		Found in Version	Fixed in Version
Hackenstraß, Kai		V1.0	---
ID	State	Creation Date	Last Changed
35	Review	06.02.2018 16:35:32	11.02.2019 14:58:06
Line	Clause / Subclause Number	Clause / Subclause Title	Page
709	B.6	---	---

Abstract:

Transmission behaviour for FunctionTag and LocationTag

Description:

Specification states a different transmission behaviour for ApplicationSpecificTag and Function- or LocationTag .. shall never be transmitted in the unmodified version with padding octets .. This means unnecessary complexity. IODD AK: change to transmission behaviour according to definition of StringT in e.2.6 in the IO-Link System Specification

Responses:

2019-02-11 HK: proposal for refusal: remove paragraph describing the special behavior. The mapping to shorter length in upper systems must be handled by the gateway. [Review]

Test:

Compatibility: no impact

Attached Files:

No downloadable files available!

Originator		Company	Email
Ritter, Jochen		Festo	jrit@de.festo.com
Assignee		Found in Version	Fixed in Version
Hackenstraß, Kai		V1.0	---
ID	State	Creation Date	Last Changed
36	Review	09.02.2018 10:48:15	29.04.2019 16:31:44
Line	Clause / Subclause Number	Clause / Subclause Title	Page
---	-	-	-
Abstract:			
Easy identification of a device for the customer by visual indication			
Description:			
To provide an easy identification of a device for the customer it is common use to trigger an optical identification via communication. Therefore a command like "Wink on/off" should be implemented. Therefore an proposal has been made in the IO-Link wireless draft (see IO-Link Wireless System Extensions, Draft Version 095, September 2017, clause 10.10.3.1 Visual indicators)			
Responses:			
2019-04-29 KH Proposed chapter is attached, see clauses A.6 and B2.2.			
Test:			
Compatibility: no impact			
Attached Files:			
Filename	Version	Rev.Doc.	Filesize [Byte] File Added
IO-Link_ProfileGuideline_Localization.pdf [^]	-	-	326,638 29.04.2019



IO-Link_ProfileGuideline_Localization.pdf

Originator	Company	Email	
Hackenstraß, Kai	ifm prover GmbH	kai.hackenstrass@ifm.com	
Assignee	Found in Version	Fixed in Version	
Hackenstraß, Kai	V1.0	---	
ID	State	Creation Date	Last Changed
37	Review	30.04.2018 12:12:05	29.04.2019 16:33:27
Line	Clause / Subclause Number	Clause / Subclause Title	Page
---	---	---	multiple
Abstract:			
Addition of test case descriptions			
Description:			
The profile specification should contain all necessary test cases which can be tested by the conformity check, IODD checker or handled manually.			
Responses:			
2019-04-29 accepted in principle, testcase swill be added in V1.1			
Test:			
Compatibility: no impact			
Attached Files:			
<i>No downloadable files available!</i>			

Originator		Company	Email
Uffelmann, Joachim		ifm ecomatic GmbH	joachim.uffelmann@ifm.com
Assignee		Found in Version	Fixed in Version
Hackenstraß, Kai		V1.0	---
ID	State	Creation Date	Last Changed
38	Review	10.05.2018 11:36:21	11.02.2019 14:57:44
Line	Clause / Subclause Number	Clause / Subclause Title	Page
330	5	4	17

Abstract:

Content of table incorrect

Description:

in the Table 4 – Example of the profile identification of a distinct switching sensor is the Referenced Profile ID incorrect. There the SSP 2.2 is listed as profile. The SSP 2.1 would be correct.

Responses:

2019-02-11 HK: Accepted, will be changed into ProfileID 0x0005 [Review]

Test:

Compatibility: no impact

Attached Files:

No downloadable files available!

Originator	Company	Email
Uffelmann, Joachim	ifm ecomatic GmbH	joachim.uffelmann@ifm.com
Assignee	Found in Version	Fixed in Version
Hackenstraß, Kai	V1.0	---
ID State	Creation Date	Last Changed
39 Review	10.05.2018 11:40:19	11.02.2019 14:51:48
Line Clause / Subclause Number	Clause / Subclause Title	Page
672 B	4	30

Abstract:

In table B.4 the index in dec format is wrong

Description:

in table B.4 the index in dec format is wrong, there should be a 13 in brackets instead of the 14, 0x000D is 14 dec

Responses:

2019-02-11 HK: Accepted in principle, will be changed into ProfileID 0x000D (13) [Review]

Test:

Compatibility: no impact

Attached Files:

No downloadable files available!

Originator		Company	Email
Lindenthal, Hartmut		Pepperl+Fuchs	hlindenthal@de.pepperl-fuchs.com
Assignee		Found in Version	Fixed in Version
Hackenstraß, Kai		V1.0	---
ID	State	Creation Date	Last Changed
40	Review	16.07.2018 13:34:11	29.04.2019 16:35:09
Line	Clause / Subclause Number	Clause / Subclause Title	Page
---	B.4	B.5	30

Abstract:

Subindex access for parameter ProfileCharacteristic and PDInput-
/OutptDescriptor

Description:

Subindex support is not required for these parameters. Add note: User applications such as e.g. function blocks shall read these parameters as complete arrays (via Subindex 0 access).

Responses:

2019-04-29 KH accepted in principle. will be added in an appropriate manner

Test:

Compatibility: no impact

Attached Files:

No downloadable files available!

Originator		Company	Email
Lindenthal, Hartmut		Pepperl+Fuchs	hlindenthal@de.pepperl-fuchs.com
Assignee		Found in Version	Fixed in Version
Hackenstraß, Kai		V1.0	---
ID	State	Creation Date	Last Changed
41	Review	16.07.2018 15:58:41	10.12.2020 11:06:33
Line	Clause / Subclause Number	Clause / Subclause Title	Page
686	B.5	---	---

Abstract:

Parameter PDInput/-OutputDescriptor mandatory?

Description:

Table B.1 states that both PDInputDescriptor an PDOOutputDescriptor parameters are mandatory. The text in B.5.2 and B.5.3 allows the interpretation that these descriptors are only required for profile devices if the according PD direction is supported. Adapt description according to specification in table B.1. Define value to be used if PD input/output is not supported. (Proposal 0x00 0x00 0x00)

Responses:

2020-07-29 KH: accepted in principle, condition depends on availability of the corresponding process data. PDOOutputDescriptor is only available when PDOOut are supported, otherwise the parameter is not supported and returns the standard ErrorType 0x8011 Index not available
 2020-12-08 KH: condition explicitly stated in V1.1

Test:

Compatibility: no impact

Attached Files:

No downloadable files available!

Originator		Company	Email
Willems, Klaus-Peter		tmg-karlsruhe	willems@tmgte.de
Assignee		Found in Version	Fixed in Version
Hackenstraß, Kai		V1.0	---
ID	State	Creation Date	Last Changed
42	Review	18.09.2018 13:01:08	29.04.2019 16:36:56
Line	Clause / Subclause Number	Clause / Subclause Title	Page
667	B.5.1	---	28

Abstract:

Completion of the Data Type List for PD In/Output Description

Description:

The common profile should be used for all devices, but not all important data types are specified for the PD descriptions

Responses:

2019-04-29 KH accepted in principle. List will be extended accordingly.

Test:

Compatibility: no impact

Attached Files:

No downloadable files available!

Originator		Company	Email
Krämer, Manfred		ifm prover	manfred.kraemer@ifm.com
Assignee		Found in Version	Fixed in Version
Hackenstraß, Kai		V1.0	---
ID	State	Creation Date	Last Changed
43	Review	23.09.2019 16:38:17	10.12.2020 11:53:10
Line	Clause / Subclause Number	Clause / Subclause Title	Page
---	---	---	---

Abstract:

In Common Profile Spec, provide a link to variable text files

Description:

Common Profile defines variables, which have to be provided as translation. IODD AK will provide xml files, carrying all translated texts within IO-Link context, so all tools shall rely on them. IODD AK will let you know as soon as they are available.

Responses:

2020-12-08 KH: no explicit action required. Profiles may provide these language files additionally [review]

Test:

Compatibility: no impact

Attached Files:

No downloadable files available!

Originator		Company	Email
Lindenthal, Hartmut		Pepperl+Fuchs	hlindenthal@de.pepperl-fuchs.com
Assignee		Found in Version	Fixed in Version
Hackenstraß, Kai		V1.0	---
ID	State	Creation Date	Last Changed
44	Review	29.10.2019 13:23:24	10.12.2020 11:56:09
Line	Clause / Subclause Number	Clause / Subclause Title	Page
794	D.4.2	---	---

Abstract:

Description of profile parameter in IODD

Description:

Specification states that description of parameters ProfileCharacteristic, PDInputDescriptor and PDOutputDescriptor are mandatory for display in IODD user interface. Request and definition from IODD AK 2019-10-28: The following rules apply (mandatory): Location Tag and Function Tag shall be described in IODD according to template. ProfileCharacteristic, PDInputDescriptor and PDOutputDescriptor shall not be described in IODD.

Responses:

2020-07-29 KH: accepted in principle, will be defined in V1.1 2020-12-08 KH: implemented in V1.1. No IODD constraints regarding the parameters ProfileCharacteristics, PDIn/OutputDescriptor [review]

Test:

Compatibility: no impact

Attached Files:

No downloadable files available!

Originator		Company	Email
Lindenthal, Hartmut		Pepperl+Fuchs	hlindenthal@de.pepperl-fuchs.com
Assignee		Found in Version	Fixed in Version
Hackenstraß, Kai		V1.0	---
ID	State	Creation Date	Last Changed
45	Review	15.04.2020 13:01:54	10.12.2020 11:57:07
Line	Clause / Subclause Number	Clause / Subclause Title	Page
682	B.5.1	Table B.5	---

Abstract:

Coding for type length in parameter PD input/output descriptor

Description:

Item TypeLength allows coding of an element length from 0 to 255 bit. This inhibits description of an element with 32 byte length. Furthermore an elemnt with a length of 0 does not exist. Proposal: correct coding for TypeLength to 0: 1 bit to 255: 256 bit.

Responses:

2020-07-29 KH: accepted in principle. Length of 1 to 255 will keep unchanged, length of 0 represents a length of 256 bits. 2020-12-08 KH: fixed in V1.1 [review]

Test:

Compatibility: no impact

Attached Files:

No downloadable files available!

Originator		Company	Email
Müller, Andreas		SICK AG	andreas1.mueller@sick.de
Assignee		Found in Version	Fixed in Version
Hackenstraß, Kai		V1.0	---
ID	State	Creation Date	Last Changed
46	Review	18.08.2020 14:28:41	10.12.2020 11:58:17
Line	Clause / Subclause Number	Clause / Subclause Title	Page
685	B.5.2	B.5.3	30
Abstract: Hexadecimal conversion to decimal is wrong for ProfileCharacteristic and PDIn/Out Descriptor			
Description: According to CR 39 (ProfileCharacteristics), also the decimal values in the braces for "PD Input Descriptor" (B.5.2) and "PD Output Descriptor" (B.5.3) are wrong (0x0E != 15).			
Responses: 2020-12-08 KH: fixed in V1.1 [review]			
Test:			
Compatibility: no impact			
Attached Files:			
Filename	Version	Rev.Doc.	Filesize [Byte] File Added
IO-Link_CommonProfile_HexDec-Error.png [^]	-	-	26,021 18.08.2020

Common Profile

- 31 -

Version 1.0

005 Table B.7 defines the structure of the PD Output Descriptor regarding the offset and Subindex
006 layout. Subindex support is not required.

007 **Table B.7 – Structure of "PD Output Descriptor"**

Index (dec)	Subindex (dec)	Offset	Access	Parameter Name	Length	Data type
0x000F (15)	1	(n-1) * 3	R	PVoutD 1	24 bit	OctetStringT3
				...		
	n	0	R	PVoutD n	24 bit	OctetStringT3
Key n = number of provided descriptors						

Originator		Company	Email
Willems, Klaus-Peter		tmg-karlsruhe	willems@tmgte.de
Assignee		Found in Version	Fixed in Version
Hackenstraß, Kai		V1.0	---
ID	State	Creation Date	Last Changed
47	Review	22.11.2020 11:49:27	10.12.2020 12:00:28
Line	Clause / Subclause Number	Clause / Subclause Title	Page
---	---	---	---

Abstract:

Naming of the Profile 0x4000 "Common Profile"

Description:

The name Common Profile is used in publications, in user workshops and in communication with large end customers. This corresponds best to the spirit and purpose of this specification. At the moment there is still the term "Identification and Diagnosis", which does not adequately reflect the meaning and purpose. In order not to unnecessarily confuse customers and to have clear communication, I suggest naming the profile 0x4000 as "Common Profile".

Responses:

2020-12-08 KH: proposal for refusal. The specification document is named "IO-Link Common Profile specification" and contains the overall valid profile guidelines for IO-Link profiles and the identification & diagnosis profile as a base profile. Using the name CommonProfile for the 0x4000 will provide a general name without further intuitive meaning, especially in combination with an overview of all available profiles. The name "Identification and Diagnosis" represents its purpose as demanded for all other profiles. [review]

Test:

Compatibility: no impact

Attached Files:

No downloadable files available!

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Hackenstraß, Kai		V1.0	---
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48	Review	22.11.2020 11:57:47	10.12.2020 12:01:56
Line	Clause / Subclause Number	Clause / Subclause Title	Page
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Abstract:

Separate Profile Guideline and Common Profile Specification

Description:

Today's document for the Common Profile was originally created as a guideline for creating profiles. For IO-Link we need a clear specification for the common profile. It also makes sense to have a guideline for creating profiles. But this is not normative. The Common Profile specification should be stable for as long as possible, as it should be the basis of almost every IO-Link device implementation. However, it should always be possible to expand the guideline for creating profiles if this is helpful for new working groups. Therefore the two topics should be decoupled.

Responses:

2020-12-08 KH: proposal for refusal. The CommonProfile contains two parts, the general base rules for IO-Link profiles and a base profile which is mandatory for all IO-Link profiles. The general rules do provide rules to set up an IO-Link Profile, and how these profiles shall provide additional information on IODD and testing. Therefore this may also be seen as normative from a community point of view. The advantage of decoupling the topics would be paid by the disadvantage of increased linking between the documents. Just to provide a further document will not solve some interpretation issues. As a proposal, the document is sharpened in the distinction between these two topics to ease the understanding of the document. [review]

Test:

Compatibility: no impact

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Abstract:			
Calibration required after device exchange			
Description:			
<p>For devices that have to be calibrated for the application after the device has been replaced, there is no uniform system behavior today. Examples are some light buttons, level sensors, flow sensors or control valves. For some devices there is only a hint in the manual. Others warn with a diagnosis or make the process data invalid until the calibration has taken place. This means that the IO-Link expectation that the device is automatically parameterized after the device has been replaced and that operation can continue is not fulfilled. This will not always be able to be fulfilled. However, such devices should not be excluded from the support of IO-Link. However, there should be a standardized method to make the user aware of this. The behavior should be specified as a profile. Since the problem can occur not only with sensors but in principle with all types of devices, I suggest excluding the function in the common profile.</p>			
Responses:			
<p>2020-12-08 KH: accepted in principle. Further input from marketing is needed before developing technical details, see CR119 in requirement database (https://www.io-link-projects.com/view_crs_page.php?project_id=119) [created]</p>			
Test:			
Compatibility: no impact			
Attached Files:			
<i>No downloadable files available!</i>			