
Industrijska komunikacijska omrežja - Profili - 3-12. del: Funkcijska varnost procesnih vodil - Dodatne specifikacije za CPF 12

Industrial communication networks - Profiles - Part 3-12: Functional safety fieldbuses - Additional specifications for CPF 12

Industrielle Kommunikationsnetze - Profile - Teil 3-12: Funktional sichere Übertragung bei Feldbussen - Zusätzliche Festlegungen für die Kommunikationsprofilfamilie 12

Réseaux de communication industriels - Partie 3-12: Bus de terrain à sécurité fonctionnelle - Spécifications complémentaires pour le CPF 12

Ta slovenski standard je istoveten z: EN 61784-3-12:2010/prA1:2019

ICS:

25.040.40	Merjenje in krmiljenje industrijskih postopkov	Industrial process measurement and control
35.100.05	Večslojne uporabniške rešitve	Multilayer applications

SIST EN 61784-3-12:2010/oprA1:2019 **en,fr,de**

ITeH STANDARD PREVIEW
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Full standard:
<https://standards.iteh.ai/catalog/standards/sist/99e-a9-48e-8e85-4682-80c5-0583988b2283/sist-en-61784-3-12-2010-oprA1-2019>



65C/960/CDV

COMMITTEE DRAFT FOR VOTE (CDV)

PROJECT NUMBER: IEC 61784-3-12/AMD1 ED1	
DATE OF CIRCULATION: 2019-05-17	CLOSING DATE FOR VOTING: 2019-08-09
SUPERSEDES DOCUMENTS: 65C/959/RR	

IEC SC 65C : INDUSTRIAL NETWORKS	
SECRETARIAT: France	SECRETARY: Ms Valérie DEMASSIEUX
OF INTEREST TO THE FOLLOWING COMMITTEES: SC 22G,TC 44,TC 57,SC 65A	PROPOSED HORIZONTAL STANDARD: <input type="checkbox"/> Other TC/SCs are requested to indicate their interest, if any, in this CDV to the secretary.
FUNCTIONS CONCERNED: <input type="checkbox"/> EMC <input type="checkbox"/> ENVIRONMENT <input type="checkbox"/> QUALITY ASSURANCE <input type="checkbox"/> SAFETY	
<input checked="" type="checkbox"/> SUBMITTED FOR CENELEC PARALLEL VOTING	<input type="checkbox"/> NOT SUBMITTED FOR CENELEC PARALLEL VOTING
<p>Attention IEC-CENELEC parallel voting</p> <p>The attention of IEC National Committees, members of CENELEC, is drawn to the fact that this Committee Draft for Vote (CDV) is submitted for parallel voting.</p> <p>The CENELEC members are invited to vote through the CENELEC online voting system.</p>	

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Recipients of this document are invited to submit, with their comments, notification of any relevant patent rights of which they are aware and to provide supporting documentation.

TITLE:

Industrial communication networks - Profiles - Part 3-12: Functional safety fieldbuses - Additional specifications for CPF 12

PROPOSED STABILITY DATE: 2024

NOTE FROM TC/SC OFFICERS:

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FOREWORD

2 This amendment has been prepared by subcommittee 65C: Industrial networks, of IEC
3 technical committee 65: Industrial-process measurement, control and automation.

4 The text of this amendment is based on the following documents:

FDIS	Report on voting
XX/XX/FDIS	XX/XX/RVD

5

6 Full information on the voting for the approval of this amendment can be found in the report
7 on voting indicated in the above table.

8 The committee has decided that the contents of this amendment and the base publication will
9 remain unchanged until the stability date indicated on the IEC website under
10 "http://webstore.iec.ch" in the data related to the specific publication. At this date, the
11 publication will be

- 12 • reconfirmed,
- 13 • withdrawn,
- 14 • replaced by a revised edition, or
- 15 • amended.

16

17 The National Committees are requested to note that for this document the stability date
18 is 2024.

19 THIS TEXT IS INCLUDED FOR THE INFORMATION OF THE NATIONAL COMMITTEES AND WILL BE
20 DELETED AT THE PUBLICATION STAGE.

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INTRODUCTION

24 This Amendment 1 corrects technical errors in state tables for the FSoE Slave.

- 25 • Correct invalid value for the "bNew" parameter of SendFrame in transitions RESET_OK
26 (Reset state), SESSION_STAY2 (Session state), CONN_RESET2 (Connection state),
27 PARA_RESET2 (Parameter state), and DATA_RESET2 (Data state). This parameter shall
28 only be set to "FALSE" in all back-to-reset-transitions when all values are set to their
29 defaults.
- 30 • Add missing action in Transition SESSION_FAIL5 (Session state).
- 31 • Correct invalid value for the address parameter of STORE_DATA in transition
32 CONN_STAY1 (Connection state).

33

34 **7.5 State table for FSoE Slave**

35 **7.5.2 Reset state**

36 **7.5.2.1 Frame received event**

37 *Replace, in the row for Transition "RESET_OK", in the third column "Action", "FALSE" with*
38 *"TRUE".*

39 **7.5.3 Session state**

40 **7.5.3.1 Frame received event**

41 *Replace, in the row for Transition "SESSION_STAY2", in the third column "Action", "FALSE"*
42 *with "TRUE".*

43 *Insert, in the row for Transition "SESSION_FAIL5", in the third column "Action", between lines*
44 *"SlaveSeqNo := 1;" and "DataCommand := FailSafeData;" a new line "InitSeqNo := 1;".*

45 **7.5.4 Connection state**

46 **7.5.4.1 Frame received event**

47 *Replace, in the row for Transition "CONN_STAY1", in the third column "Action",*
48 *"Connection[4-BytesToBeSent]" with "ConnectionData[4-BytesToBeSent]".*

49 *Replace, in the row for Transition "CONN_RESET2", in the third column "Action", "FALSE"*
50 *with "TRUE".*

51 **7.5.5 Parameter state**

52 **7.5.5.1 Frame received event**

53 *Replace, in the row for Transition "PARA_RESET2", in the third column "Action", "FALSE"*
54 *with "TRUE".*

55 **7.5.6 Data state**

56 **7.5.6.1 Frame received event**

57 *Replace, in the row for Transition "DATA_RESET2", in the third column "Action", "FALSE" with*
58 *"TRUE".*

59