SLOVENSKI STANDARD
SIST EN 61850-9-2:2005

01-november-2005

Komunikacijska omrežja in sistemi v postajah – 9-2. del: Preslikave posebne komunikacijske storitve (SCSM) – Vzorčne/odčitane vrednosti po ISO/IEC 8802-3 (IEC 61850-9-2:2004)

Communication networks and systems in substations -- Part 9-2: Specific Communication Service Mapping (SCSM) - Sampled values over ISO/IEC 8802-3

Kommunikationsnetze und -systeme in Stationen -- Teil 9-2: Spezifische Abbildung von Kommunikationsdiensten (SCSM) - Abgetastete Werte über ISO/IEC 8802-3

Réseaux et systèmes de communication dans les postes -- Partie 9-2: Implémentation spécifique des services de communication (SCSM) - Valeurs numérisées sur l'ISO/IEC 8802-3

Ta slovenski standard je istoveten z: **EN 61850-9-2:2004**

ICS:

29.240.30	Krmilna oprema za elektroenergetske sisteme	Control equipment for electric power systems
33.200	Daljinsko krmiljenje, daljinske meritve (telemetrija)	Telecontrol. Telemetering

SIST EN 61850-9-2:2005   **en**

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EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

EN 61850-9-2

May 2004

ICS 33.200

English version

Communication networks and systems in substations
Part 9-2: Specific Communication Service Mapping (SCSM) –
Sampled values over ISO/IEC 8802-3
(IEC 61850-9-2:2004)

Réseaux et systèmes de communication
dans les postes
Partie 9-1: Implémentation spécifique
des services de communication (SCSM) -
Valeurs numérisées sur l'ISO 8802-3
(CEI 61850-9-2:2004)

Kommunikationsnetze und
-systeme in Stationen
Teil 9-2: Spezifische Abbildung von
Kommunikationsdiensten (SCSM) -
Abgetastete Werte über ISO/IEC 8802-3
(IEC 61850-9-2:2004)

This European Standard was approved by CENELEC on 2004-04-01. CENELEC members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration.

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CENELEC

European Committee for Electrotechnical Standardization
Comité Européen de Normalisation Electrotechnique
Europäisches Komitee für Elektrotechnische Normung

Central Secretariat: rue de Stassart 35, B - 1050 Brussels

Ref. No. EN 61850-9-2:2004 E

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Foreword

The text of document 57/690/FDIS, future edition 1 of IEC 61850-9-2, prepared by IEC TC 57, Power systems management and associated information exchange, was submitted to the IEC-CENELEC parallel vote and was approved by CENELEC as EN 61850-9-2 on 2004-04-01.

The following dates were fixed:

– latest date by which the EN has to be implemented
   at national level by publication of an identical
   national standard or by endorsement   (dop) 2005-01-01

– latest date by which the national standards conflicting
   with the EN have to be withdrawn   (dow) 2007-04-01

Annex ZA has been added by CENELEC.

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Endorsement notice

The text of the International Standard IEC 61850-9-2:2004 was approved by CENELEC as a European Standard without any modification.

Annex ZA
(normative)

Normative references to international publications
with their corresponding European publications

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

NOTE   Where an international publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

Publication	Year	Title	EN/HD	Year
IEC 60874-10-1	- [1]	Connectors for optical fibres and cables Part 10-1: Detail specification for fibre optic connector type BFOC/2,5 terminated to multimode fibre type A1	-	-
IEC 60874-10-2	- [1]	Part 10-2: Detail specification for fibre optic connector type BFOC/2,5 terminated to single-mode fibre type B1	-	-
IEC 60874-10-3	- [1]	Part 10-3: Detail specification for fibre optic adaptor type BFOC/2,5 for single and multimode fibre	-	-
IEC 61850-7-1	- [1]	Communication networks and systems in substations Part 7-1: Basic communication structure for substation and feeder equipment - Principles and models	EN 61850-7-1	2003 [2]
IEC 61850-7-2	- [1]	Part 7-2: Basic communication structure for substation and feeder equipment - Abstract communication service interface (ACSI)	EN 61850-7-2	2003 [2]
IEC 61850-7-3	- [1]	Part 7-3: Basic communication structure for substation and feeder equipment - Common data classes	EN 61850-7-3	2003 [2]
IEC 61850-7-4	- [1]	Part 7-4: Basic communication structure for substation and feeder equipment - Compatible logical node classes and data classes	EN 61850-7-4	2003 [2]
IEC 61850-8-1	- [1]	Part 8-1: Specific communication service mapping (SCSM) - Mapping to MMS (ISO/IEC 9506 Part 1 and Part 2) over ISO 8802-3	EN 61850-8-1	- [3]

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[1] Undated reference.

[2] Valid edition at date of issue.

[3] In preparation.

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Publication	Year	Title	EN/HD	Year
IEC 61850-9-1	- [1]	Part 9-1: Specific Communication Service Mapping (SCSM) - Sampled values over serial unidirectional multidrop point to point link	EN 61850-9-1	2003 [2]
ISO/IEC 7498-1	1994	Information technology - Open systems interconnection - Basic reference model Part 1: The basic model	EN ISO/IEC 7498-1	1995
ISO/IEC 8326	1996	Information technology - Open systems Interconnection - Session service definition	-	-
ISO/IEC 8327-1	1997	Information technology - Open Systems Interconnection - Connection-oriented Session protocol: Protocol specification	-	-
ISO/IEC 8649	1996	Information technology - Open systems interconnection - Service definition for the Association Control Service Element (ACSE)	-	-
ISO/IEC/TR2 8650-1	1996	Information technology - Open systems interconnection - Connection-oriented protocol for the association control service element: Protocol specification	-	-
ISO/IEC 8802-3	2001	Information technology - Telecommunications and information exchange between systems - Local and metropolitan area networks - Specific requirements Part 3: Carrier sense multiple access with collision detection (CSMA/CD) access method and physical layer specifications	-	-
ISO/IEC 8822	1994	Information technology - Open Systems Interconnection - Presentation service definition	-	-
ISO/IEC 8823-1	1994	Information technology - Open Systems Interconnexion - Connection-oriented presentation protocol: Protocol specification	-	-
ISO/IEC 8824-1	2000	Information technology - Abstract Syntax Notation One (ASN.1): Specification of basic notation	-	-
A1	2000		-	-
A2	2000		-	-
ISO/IEC 8825-1	2000	Information technology - ASN.1 encoding rules: Specification of Basic Encoding Rules (BER), Canonical Encoding Rules (CER) and Distinguished Encoding Rules (DER)	-	-

Publication	Year	Title	EN/HD	Year
ISO 9506-1	2003	Industrial automation systems - Manufacturing Message Specification Part 1: Service definition	-	-
ISO 9506-2	2003	Part 2: Protocol specification	-	-
IEEE 754	1985	Standard for Binary Floating-Point Arithmetic	-	-
IEEE 802.1Q	1998	IEEE Standards for local and metropolitan area networks: Virtual bridged local area networks	-	-
RFC 791	1981	Internet Protocol	-	-
RFC 792		Internet Control Message Protocol	-	-
RFC 793	1981	Transmission Control Protocol (TCP), Internet Activities Board recommended standard	-	-
RFC 826	1982	Address Resolution Protocol (ARP), Internet Activities Board elective standard	-	-
RFC 894	1984	Internet Protocol on Ethernet Networks, Internet Activities Board elective standard	-	-
RFC 919	1984	Broadcasting Internet Datagrams	-	-
RFC 1006	1989	ISO transport services on top of TCP: Version 3	-	-
RFC 1112	1989	Host Extensions for IP Multicasting	-	-

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INTERNATIONAL STANDARD

IEC
61850-9-2

First edition
2004-04

**Communication networks and systems
in substations –**

**Part 9-2:
Specific Communication Service Mapping (SCSM) –
Sampled values over ISO/IEC 8802-3**

Commission Electrotechnique Internationale
International Electrotechnical Commission
Международная Электротехническая Комиссия

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COMMUNICATION NETWORKS AND SYSTEMS IN SUBSTATIONS –

Part 9-2: Specific Communication Service Mapping (SCSM) – Sampled values over ISO/IEC 8802-3

FOREWORD

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International Standard IEC 61850-9-2 has been prepared by IEC technical committee 57: Power systems management and associated information exchange.

The text of this standard is based on the following documents:

FDIS	Report on voting
57/690/FDIS	57/709/RVD

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

This publication has been drafted in accordance with the ISO/IEC Directives, Part 2.