
**Komunikacijska omrežja in sistemi za avtomatizacijo porabe električne energije - 8
-2. del: Preslikave posebne komunikacijske storitve (SCSM) - Preslikave v XMPP
(Extensible Messaging Presence Protocol)**

Communication networks and systems for power utility automation - Part 8-2: Specific communication service mapping (SCSM) - Mapping to Extensible Messaging Presence Protocol (XMPP)

Kommunikationsnetze und -systeme für die Automatisierung der elektrischen Energieversorgung - Teil 8-2: Spezifische Abbildung von Kommunikationsdiensten (SCSM) – Abbildungen auf erweiterbares Messaging Presence Protocol (XMPP)

Réseaux et systèmes de communication pour l'automatisation des systèmes électriques - Partie 8-2: Mapping des services de communication spécifiques (SCSM) - Mapping avec le protocole XMPP (Extensible Messaging Presence Protocol)

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EN IEC 61850-8-2:2019 (E)**European foreword**

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The text of the International Standard IEC 61850-8-2:2018 was approved by CENELEC as a European Standard without any modification.

In the official version, for Bibliography, the following notes have to be added for the standards indicated:

IEC 61850-7-1	NOTE	Harmonized as EN 61850-7-1
IEC 61850-7-410	NOTE	Harmonized as EN 61850-7-410
IEC 61850-7-420	NOTE	Harmonized as EN 61850-7-420

Annex ZA (normative)

Normative references to international publications with their corresponding European publications

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements 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 1 Where an International Publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

NOTE 2 Up-to-date information on the latest versions of the European Standards listed in this annex is available here: www.cenelec.eu.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 61850	series	Communication networks and systems for power utility automation	EN 61850	series
IEC/TS 61850-2	-	Communication networks and systems in substations - Part 2: Glossary	-	-
IEC 61850-5	-	Communication networks and systems for power utility automation - Part 5: Communication requirements for functions and device models	EN 61850-5	-
IEC 61850-6	-	Communication networks and systems for power utility automation - Part 6: Configuration description language for communication in electrical substations related to IEDs	EN 61850-6	-
IEC 61850-7-1	-	Communication networks and systems for power utility automation - Part 7-1: Basic communication structure - Principles and models	EN 61850-7-1	-
IEC 61850-7-2	2010	Communication networks and systems for power utility automation - Part 7-2: Basic information and communication structure - Abstract communication service interface (ACSI)	EN 61850-7-2	2010
+ A1	2018		+A1	2018
IEC 61850-7-3	-	Communication networks and systems for power utility automation - Part 7-3: Basic communication structure - Common data classes	EN 61850-7-3	-
IEC 61850-7-4	-	Communication networks and systems for power utility automation - Part 7-4: Basic communication structure - Compatible logical node classes and data object classes	EN 61850-7-4	-
IEC 61850-8-1	2011	Communication networks and systems for power utility automation - Part 8-1: Specific communication service mapping (SCSM) - Mappings to MMS (ISO 9506-1 and ISO 9506-2) and to ISO/IEC 8802-3	EN 61850-8-1	2011

EN IEC 61850-8-2:2019 (E)

+ A1	2018		-	-
IEC 62351	series	Power systems management and associated information exchange - Data and communications security	EN 62351	series
IEC 62351-4	2018	Power systems management and associated information exchange - Data and communications security - Part 4: Profiles including MMS and derivatives	EN IEC 62351-4	2018
IEC 62351-6	-	Power systems management and associated information exchange - Data and communications security - Part 6: Security for IEC 61850	-	-
IEC/TR 62357-200-	-	Power systems management and associated information exchange - Part 200: Guidelines for migration from Internet Protocol version 4 (IPv4) to Internet Protocol version 6 (IPv6)	-	-
ISO/IEC 7498-1	1994	Information technology - Open Systems Interconnection - Basic reference model: The basic model	-	-
ISO/IEC 8824-1	2015	Information technology - Abstract Syntax Notation One (ASN.1): Specification of basic notation	-	-
ISO/IEC 8825-4	2015	Information technology - ASN.1 encoding rules: XML Encoding Rules (XER)	-	-
ISO 9506	series	Industrial automation systems - Manufacturing Message Specification	-	series
ISO 9506-1	2003	Industrial automation systems - Manufacturing Message Specification - Part 1: Service definition	-	-
ISO 9506-2	2003	Industrial automation systems - Manufacturing Message Specification - Part 2: Protocol specification	-	-
IEEE C37.111	1999	IEEE Standard for Common Format for Transient Data Exchange (COMTRADE) for Power Systems	-	-
IEEE 754	1985	IEEE Standard for Binary Floating-Point Arithmetic	-	-
RFC 768	-	User datagram protocol, IETF, available at http://www.ietf.org	-	-
RFC 791	-	Internet Protocol - DARPA Internet Program Protocol Specification	-	-
RFC 792	-	Internet control message protocol - DARPA internet program - Protocol specification, IETF, available at http://www.ietf.org	-	-
RFC 793	-	Transmission Control Protocol - DARPA Internet Program Protocol Specification	-	-
RFC 826	-	An Ethernet address resolution protocol or converting network protocol addresses to 48.bit Ethernet address for transmission on Ethernet hardware, IETF, available at http://www.ietf.org	-	-
RFC 919	-	Broadcasting internet datagrams, IETF, available at http://www.ietf.org	-	-
RFC 922	-	Broadcasting internet datagrams in the presence of subnets, IETF, available at http://www.ietf.org	-	-

RFC 950	-	Internet standard subnetting procedure, IETF, available at http://www.ietf.org	-	-
RFC 1112	-	Host extensions for IP multicasting, IETF, available at http://www.ietf.org	-	-
RFC 2460	-	Internet Protocol, Version 6 (IPv6) Specification	-	-
RFC 3629	-	UTF-8, User Datagram Protocol	-	-
RFC 4422	-	Simple authentication and security layer (SASL), available at http://www.ietf.org	-	-
RFC 5246	2008	The Transport Layer Security (TLS) Protocol Version 1.2	-	-
RFC 5905	-	Network Time Protocol Version 4: Protocol and Algorithms Specification	-	-
RFC 6120	-	Extensible messaging and presence protocol (XMPP): Core, available at http://www.ietf.org	-	-
RFC 6121	-	Extensible messaging and presence protocol (XMPP): Instant messaging and presence, available at http://www.ietf.org	-	-
RFC 6122	-	Extensible messaging and presence protocol (XMPP): Address format, available at http://www.ietf.org	-	-
XEP-0198	-	Stream management	-	-

NOTE This specification defines an XMPP protocol extension for active management of an XML stream between two XMPP entities, including features for stanza acknowledgements and stream resumption.

XEP-0199 - XMPP Ping

NOTE This specification defines an XMPP protocol extension for sending application-level pings over XML streams. Such pings can be sent from a client to a server, from one server to another, or end-to-end.

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Part 8-2: Specific Communication Service Mapping (SCSM) – Mapping to
Extensible Messaging Presence Protocol (XMPP)**

**Réseaux et systèmes de communication pour l'automatisation des systèmes
électriques –
Partie 8-2: Mapping des services de communication spécifiques (SCSM) –
Mapping avec le protocole XMPP (Extensible Messaging Presence Protocol)**

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