



SLOVENSKI STANDARD

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Upravljanje elektroenergetskega sistema in pripadajoča izmenjava informacij - Varnost podatkov in komunikacij - 7. del: Podatkovni modeli pri upravljanju omrežij in sistemov (NSM)

Power systems management and associated information exchange - Data and communications security - Part 7: Network and System management (NSM) data object models

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EUROPEAN STANDARD

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Power systems management and associated information
exchange - Data and communications security -
Part 7: Network and System Management (NSM) data object
models
(IEC 62351-7:2017)

Gestion des systèmes d'alimentation et échange
d'informations associées - Sécurité des données et des
communications - Partie 7: Modèles d'objets de données
pour la gestion des réseaux et systèmes (NSM)
(IEC 62351-7:2017)

Datenmodelle, Schnittstellen und Informationsaustausch für
Planung und Betrieb von Energieversorgungsunternehmen
- Daten- und Kommunikationssicherheit -
Teil 7: Netzwerk und System-Management (NSM) Daten-
Objekt-Modelle
(IEC 62351-7:2017)

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

CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

EN 62351-7:2017**European foreword**

The text of document 57/1857/FDIS, future edition 1 of IEC 62351-7, prepared by IEC/TC 57 "Power systems management and associated information exchange" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN 62351-7:2017.

The following dates are fixed:

- latest date by which the document has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2018-06-15
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2020-12-15

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

IEC 61850-7-2	NOTE	Harmonized as EN 61850-7-2.
IEC 61850-7-4	NOTE	Harmonized as EN 61850-7-4.
IEC 61850-8-1	NOTE	Harmonized as EN 61850-8-1.
IEC 61850-9-2	NOTE	Harmonized as EN 61850-9-2.

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/TS 62351-1	-	Power systems management and associated information exchange - Data and communications security - Part 1: Communication network and system security - Introduction to security issues	-	-
IEC/TS 62351-2	-	Power systems management and associated information exchange - Data and communications security - Part 2: Glossary of terms	-	-
IEC 62351-3	-	Power systems management and associated information exchange - Data and communications security - Part 3: Communication network and system security - Profiles including TCP/IP	EN 62351-3	-
IEC 62351-4 ¹	-	Power systems management and associated information exchange - Data and communications security - Part 4: Profiles including MMS	prEN 62351-4 ²	-
IEC/TS 62351-5	-	Power systems management and associated information exchange - Data and communications security - Part 5: Security for IEC 60870-5 and derivatives	-	-
IEC/TS 62351-8	-	Power systems management and associated information exchange - Data and communications security - Part 8: Role-based access control	-	-
IEC 62351-9	-	Power systems management and associated information exchange - Data and communications security - Part 9: Cyber security key management for power system equipment	EN 62351-9	-

¹ Under preparation. Stage at the time of publication: IEC CDV 62351-4:2017.

² Under preparation. Stage at the time of publication: prEN 62351-4:2017.

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<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEEE 754	2008	IEEE Standard for Binary Floating-Point Arithmetic	-	-
IETF RFC 2578	1999	Structure of Management Information Version 2 (SMIPv2), April 1999, http://tools.ietf.org/html/rfc2578	-	-
IETF RFC 3410	2002	Introduction and Applicability Statements for Internet Standard Management Framework, December 2002, http://tools.ietf.org/rfc/rfc3410	-	-
IETF RFC 3414	2002	User-based Security Model (USM) for version 3 of the Simple Network Management Protocol (SNMPv3), December 2002, http://tools.ietf.org/rfc/rfc3414	-	-
IETF RFC 3826	2004	The Advanced Encryption Standard (AES) - Cipher Algorithm in the SNMP User-based Security Model, June 2004, http://www.rfc-editor.org/rfc/rfc3826	-	-
IETF RFC 4022	2005	Management Information Base for the Transmission Control Protocol (TCP), March 2005, http://tools.ietf.org/html/rfc4022	-	-
IETF RFC 4113	2005	Management Information Base for the User-Datagram Protocol (UDP), June 2005, http://tools.ietf.org/html/rfc4113	-	-
IETF RFC 4292	2006	IP Forwarding Table MIB, April 2006, http://www.rfc-editor.org/rfc/rfc4292	-	-
IETF RFC 4293	2006	Management Information Base for the Internet Protocol (IP), April 2006, http://tools.ietf.org/rfc/rfc4293	-	-
IETF RFC 4898	2007	TCP Extended Statistics MIB, May 2007, http://tools.ietf.org/rfc/rfc4898	-	-
IETF RFC 5132	2007	IP Multicast MIB, December 2007, http://tools.ietf.org/rfc/rfc5132	-	-
IETF RFC 5905	2010	Network Time Protocol Version 4: Protocol and Algorithms Specification, June 2010, http://tools.ietf.org/rfc/rfc5905	-	-
IETF RFC 5590	2009	Transport Subsystem for the Simple Network Management Protocol (SNMP), June 2009, http://tools.ietf.org/rfc/rfc5590	-	-
IETF RFC 5591	2009	Transport Security Model for the Simple Network Management Protocol (SNMP), June 2009, http://tools.ietf.org/rfc/rfc5591	-	-
IETF RFC 5592	2009	Secure Shell Transport Model for the Simple Network Management Protocol (SNMP), June 2009, http://www.rfc-editor.org/rfc/rfc5592	-	-

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IETF RFC 5953	2010	Transport Layer Security (TLS) Transport Model for the Simple Network Management Protocol (SNMP), August 2010, http://www.rfc-editor.org/rfc/rfc5953	-	-
IETF RFC 6347	2012	Datagram Transport Layer Security Version 1.2, January 2012, http://tools.ietf.org/rfc/rfc6347	-	-
IETF RFC 6353	2011	Transport Layer Security (TLS) Transport Model for the Simple Network Management Protocol (SNMP), July 2011, http://tools.ietf.org/rfc/rfc6353	-	-
IETF RFC 7860	2016	HMAC-SHA-2, Authentication Protocols in User-Based Security Model (USM) for SNMPv3, April 2016, http://tools.ietf.org/rfc/rfc7860	-	-

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