
**Izmenjava podatkov meritev električne energije - Niz DLMS/COSEM - 8-12. del:
Komunikacijski profil za omrežja širokega območja nizke porabe (LPWAN) (IEC
62056-8-12:2023)**

Electricity metering data exchange - The DLMS/COSEM suite - Part 8-12:
Communication profile for Low Power Wide Area Networks (LPWAN) (IEC 62056-8-
12:2023)

Datenkommunikation der elektrischen Energiemessung - DLMS/COSEM - Teil 8-12:
Kommunikationsprofil für Low Power Wide Area Networks (LPWAN) (IEC 62056-8-
12:2023)

Échange des données de comptage de l'électricité – La suite
DLMS/COSEM - Partie 8-12: Profil de communication pour réseaux
étendus à basse consommation (LPWAN) (IEC 62056-8-12:2023)

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35.110	Omreževanje	Networking
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**Electricity metering data exchange - The DLMS®/COSEM suite -
Part 8-12: Communication profile for Low-Power Wide Area
Networks (LPWANs)
(IEC 62056-8-12:2023)**

Échange des données de comptage de l'électricité - La
suite DLMS®/COSEM - Partie 8-12: Profil de
communication pour réseaux étendus à basse
consommation (LPWAN)
(IEC 62056-8-12:2023)

Datenkommunikation der elektrischen Energiemessung -
DLMS®/COSEM - Teil 8-12: Kommunikationsprofil für Low
Power Wide Area Networks (LPWAN)
(IEC 62056-8-12:2023)

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Europäisches Komitee für Elektrotechnische Normung

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

EN IEC 62056-8-12:2023 (E)

European foreword

The text of document 13/1877/CDV, future edition 1 of IEC 62056-8-12, prepared by IEC/TC 13 "Electrical energy measurement and control" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN IEC 62056-8-12:2023.

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) 2024-08-01
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2026-11-01

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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.cencenelec.eu.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 62056-1-0	-	Electricity metering data exchange - The DLMS®/COSEM suite - Part 1-0: Smart metering standardisation framework	EN 62056-1-0	-
IEC/TS 62056-1-1	2016	Electricity metering data exchange - The DLMS®/COSEM suite - Part 1-1: Template for DLMS®/COSEM communication profile standards	-	-
IEC 62056-4-7	2015	Electricity metering data exchange - The DLMS®/COSEM suite - Part 4-7: DLMS®/COSEM transport layer for IP networks	EN 62056-4-7	2016
IEC 62056-5-3	2023	Electricity metering data exchange - The DLMS®/COSEM suite - Part 5-3: DLMS®/COSEM application layer	EN IEC 62056-5-3	2023
IEC 62056-6-1 ED4 — ¹	— ¹	Electricity metering data exchange - The DLMS®/COSEM suite - Part 6-1: Object Identification System (OBIS)	EN IEC 62056-6-1	— ²
IEC 62056-6-2	2023	Electricity metering data exchange - The DLMS®/COSEM suite - Part 6-2: COSEM interface classes	EN IEC 62056-6-2	2023
IEC 62056-9-7	2013	Electricity metering data exchange - The DLMS®/COSEM suite - Part 9-7: Communication profile for TCP-UDP/IP networks	EN 62056-9-7	2013
IETF RFC 2460	1998	Internet Protocol - Version 6 (IPv6) - Specification	-	-
IETF RFC 8376	-	Low-Power Wide Area Network (LPWAN) - Overview	-	-

¹ Under preparation. Stage at time of publication: 13/1852/CDV.

² Under preparation. Stage at time of publication: prEN IEC 62056-6-1:2021.

EN IEC 62056-8-12:2023 (E)

IETF RFC 8724 - SCHC - Generic Framework for Static Context Header Compression and Fragmentation -

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**Electricity metering data exchange – The DLMS®/COSEM suite –
Part 8-12: Communication profile for Low-Power Wide Area Networks (LPWANs)**

**Échange des données de comptage de l'électricité – La suite DLMS®/COSEM –
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INTERNATIONAL ELECTROTECHNICAL COMMISSION

**ELECTRICITY METERING DATA EXCHANGE –
THE DLMS®/COSEM SUITE –**

**Part 8-12: Communication profile for
Low-Power Wide Area Networks (LPWANs)**

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IEC 62056-8-12 has been prepared by IEC technical committee TC 13: Electrical energy measurement and control. It is an International Standard.

The text of this International Standard is based on the following documents:

Draft	Report on voting
13/1877/CDV	13/1901/RVC

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

The language used for the development of this International Standard is English.

This document was drafted in accordance with ISO/IEC Directives, Part 2, and developed in accordance with ISO/IEC Directives, Part 1 and ISO/IEC Directives, IEC Supplement, available at www.iec.ch/members_experts/refdocs. The main document types developed by IEC are described in greater detail at www.iec.ch/standardsdev/publications.

A list of all parts in the IEC 62056 series, published under the general title *Electricity metering data exchange – The DLMS®/COSEM suite*, can be found on the IEC website.

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