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Electricity metering data exchange - The DLMS/COSEM suite - Part 8-4: Narrow-band OFDM PRIME PLC communication profile for neighbourhood networks

Táto norma obsahuje anglickú verziu európskej normy.
This standard includes the English version of the European Standard.

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Electricity metering data exchange - The DLMS/COSEM suite - Part 8-4: Narrow-band OFDM PRIME PLC communication profile for neighbourhood networks

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Foreword

This document (CLC/TS 52056-8-4:2015) has been prepared by CLC/TC 13 "Equipment for electrical energy measurement and load control".

The following date is fixed:

- latest date by which the existence of this document has to be announced at national level (doa) 2015-07-24

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This document has been prepared under a mandate given to CENELEC by the European Commission and the European Free Trade Association.

Introduction

This Technical Specification is based on the results of the European OPEN Meter project, Topic Energy 2008.7.1.1, Project no.: 226369, www.openmeter.com, and has been prepared by the PRIME Alliance Technical Working Group, www.prime-alliance.org .

1 Scope

This Technical Specification is part of the EN 62056 / 52056 DLMS/COSEM suite and it specifies the DLMS/COSEM communication profiles for power line carrier neighbourhood networks using the modulation specified in ITU-T G.9904:2012.

There are three profiles specified:

- a profile using the EN 61334-4-32:1996 LLC layer;
- a profile using TCP-UDP/IPv4;
- a profile using TCP-UDP/IPv6.

2 Normative references

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

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EN 61334-4-1:1996, *Distribution automation using distribution line carrier systems – Part 4: Data communication protocols – Section 1: Reference model of the communication system (IEC 61334-4-1:1996)*

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EN 61334-4-511:2000, *Distribution automation using distribution line carrier systems – Part 4-511: Data communication protocols – Systems management – CIASE protocol (IEC 61334-4-511:2000)*

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EN 62056-5-3, *Electricity metering data exchange – The DLMS/COSEM suite – Part 5-3: DLMS/COSEM application layer (IEC 62056-5-3)*

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