



BSI Standards Publication

Communication systems for meters — Wireless mesh networking for meter data exchange

Part 3: Energy profile specification
dedicated application layer

National foreword

This British Standard is the UK implementation of EN 16836-3:2016.

The UK participation in its preparation was entrusted to Technical Committee PEL/894, Remote Meter Reading.

A list of organizations represented on this committee can be obtained on request to its secretary.

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English Version

**Communication systems for meters - Wireless mesh
networking for meter data exchange - Part 3: Energy
profile specification dedicated application layer**

Systèmes de communication des compteurs - Réseau
maillé sans fil pour l'échange de données de compteurs
- Partie 3 : Spécifications de la couche application
spéciale <profil énergie>

Kommunikationssysteme für Zähler - Drahtloses Mesh-
Netzwerk für den Zählerdatenaustausch - Teil 3:
Energie-Profilspezifikation der speziellen
Anwendungsschicht

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Contents

Page

European foreword.....	3
Introduction	4
1 Scope.....	5
2 Normative references.....	5
3 Terms and definitions	5
4 Requirements	5
4.1 General.....	5
4.2 Cluster library	6
Table 1 — Reference to ZigBee Cluster Library - 07-5123 Rev 04	6
4.3 Smart energy profile	7
Table 2 — ZigBee Smart Energy Profile Specification 07-5356 Rev 19 Reference	7
4.4 Over the air upgrade	16

European foreword

This document (EN 16836-3:2016) has been prepared by Technical Committee CEN/TC 294 “Communication systems for meters”, the secretariat of which is held by DIN.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by May 2017, and conflicting national standards shall be withdrawn at the latest by May 2017.

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Introduction

The EN 16836 series of standards details requirements for gas meters, water meters and heat meters that can interoperate with products in a mesh network that conform to this standard through a smart energy profile application layer. This standard refers to documents made freely available by the ZigBee Alliance, an organization which manages a mesh network specification (see www.zigbee.org/about/cen294).

This series of standards specifies how a mesh networking radio specification applies within the scope of European standards at the application layer, networking layer and also medium access control/physical layer (MAC/PHY).

EN 16836 consists of the following parts:

- EN 16836-1, *Communication systems for meters — Wireless mesh networking for meter data exchange — Part 1: Introduction and standardization framework*
- EN 16836-2, *Communication systems for meters — Wireless mesh networking for meter data exchange — Part 2: Networking layer and stack specification*
- EN 16836-3, *Communication systems for meters — Wireless mesh networking for meter data exchange — Part 3: Energy profile specification dedicated application layer*

This standard series is created in compliance with the terms of a memorandum of understanding (MOU) between CEN/CELELEC and the ZigBee Alliance. The principles underpinning the relationship between CEN/CENELEC and the ZigBee Alliance are described in the Consortium Bridge procedure. A copy of the MOU and the Consortium Bridge can be obtained from CEN/CENELEC.

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