



BSI Standards Publication

## Electricity metering data exchange — The DLMS/COSEM suite

Part 8: SMITP B-PSK PLC communication profile for neighbourhood networks — Including: The Original-SMITP PLC B-PSK communication profile, The Original-SMITP Local data exchange profile and The Original-SMITP IP communication profile

**National foreword**

This Published Document is the UK implementation of CLC/TS 50568-8:2015.

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

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Electricity metering data exchange - The DLMS/COSEM suite -  
Part 8: SMITP B-PSK PLC communication profile for  
neighbourhood networks - Including: The Original-SMITP P1 C2-  
PSK communication profile, The Original-SMITP Local data  
exchange profile and The Original-SMITP IP communication  
profile

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## Foreword

This document (CLC/TS 50568-8:2015) has been prepared by CLC/TC 13, "Electrical energy measurement and control".

The following date is fixed:

- latest date by which the existence of (doa) 2015-07-24  
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## **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](http://www.openmeter.com).

## 1 Scope

This Technical Specification contains 4 profile specifications

- the DLMS/COSEM SMITP B-PSK PLC Profile (clause 4)
- the Original-SMITP B-PSK PLC Profile (clause 5)
- the Original-SMITP IP Profile (clause 6)
- the Original-SMITP Local data exchange profile (clause 7)

The **DLMS/COSEM SMITP B-PSK profile** (see Clause 4) defines the use of the CLC/TS 50568-4 communication protocol and methods to access and exchange data modelled by the COSEM objects of EN 62056-6-2 via the EN 62056-5-3 application layer. This clause is in line with the DLMS/COSEM suite as described in EN 62056-1-0.

The **Original-SMITP Profiles** (Clauses 5, 6 and 7) define the use of the CLC/TS 50568-4 communication protocol and methods to access and exchange data modelled by the Original-SMITP Data Model (clause 10) via the Original-SMITP Application Layer (Clause 9). These clauses are not part of the DLMS/COSEM suite as described EN 62056-1-0.

NOTE The expression Original-SMITP refers to the open Smart Metering Information and Telecommunication Protocol originally developed and maintained by the Meters and More Association (see Foreword). The Original SMITP specifications were developed prior to the availability of the DLMS/COSEM SMITP B-PSK profile.

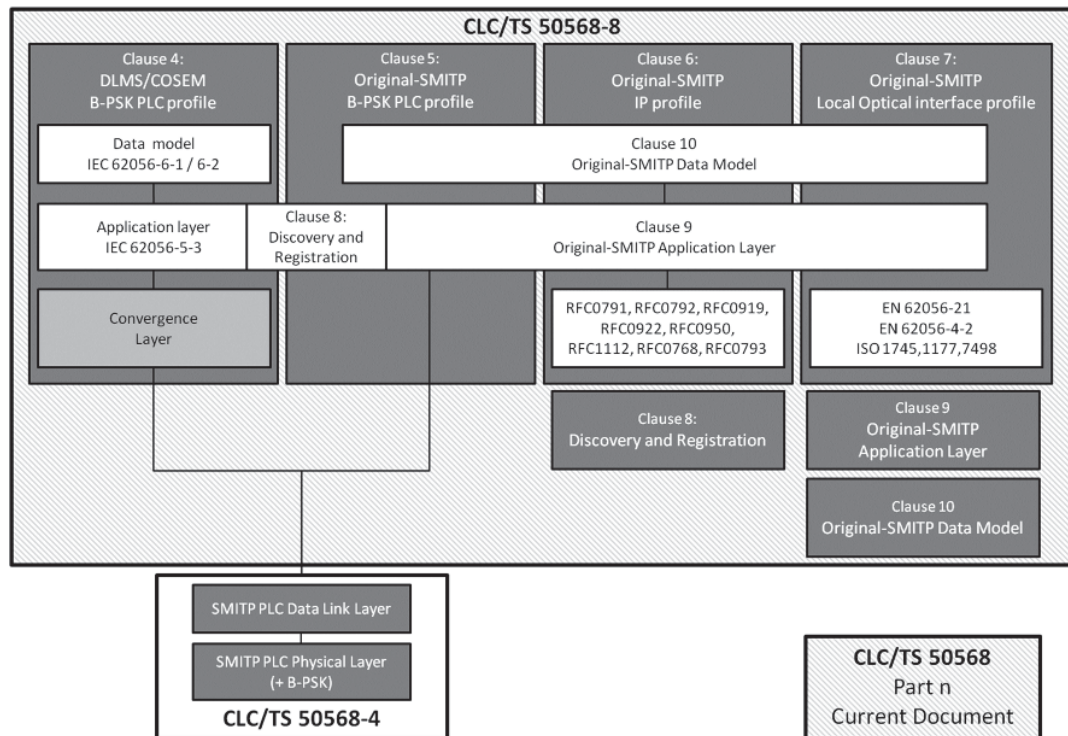


Figure 1 – Document structure of CLC/TS 50568-8