



BSI Standards Publication

**Certification of energy
efficiency measure (EEM)
installation in existing buildings**

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Foreword

The revision of this Publicly Available Specification (PAS) has been facilitated by BSI Standards Limited, and is published under licence from The British Standards Institution. It comes into effect in March 2017.

The revision of this PAS was sponsored by the Department for Business, Energy and Industrial Strategy (BEIS) and undertaken by a group of experts nominated by:

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This PAS has been drafted exclusively for use in association with BSI PAS 2030:2017 *Specification for the installation of energy efficiency measures (EEM) in existing buildings* and is not intended for use in any other connection.

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Presentational conventions

The provisions of this standard are presented in roman (i.e. upright) type. Its requirements are expressed in sentences in which the principal auxiliary verb is “shall”.

Commentary, explanation and general informative material is presented in smaller italic type, and does not constitute a normative element.

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Introduction

This PAS is applicable to certification bodies that are providing, or intending to provide, conformity evaluation services in respect of PAS 2030, *Specification for the installation of energy efficiency measures (EEM) in existing buildings*.

Certification of any product or service is a means of providing assurance that it complies with specified standards and other normative documents. This PAS specifies requirements, the uniform observance of which is intended to demonstrate that certification bodies operate third-party certification systems in respect of the installation of energy efficiency measures, in a consistent and reliable manner.

This will facilitate the recognition nationwide of a good standard of EEM installation, promoting consumer and business interest and confidence in improving the energy efficiency of UK housing stock, and helping to achieve the UK Government's objectives for reductions in both energy consumption and CO₂ emissions whilst also ensuring that consumers are protected from poor standards of installation.

The requirements contained in this standard are founded on the general requirements provided by BS EN ISO/IEC 17065, *Conformity assessment – Requirements for bodies certifying products, processes and services*. They have been prepared so as to provide additional, specific criteria for organizations providing evaluation services and operating certification systems in relation to PAS 2030.

Installer claims of compliance with PAS 2030 will be in the form specified in Clause 8 of that PAS and where required, Certification Body assertion of conformity to that PAS will be in the form of certificates or marks of conformity authorised and issued by the certification body undertaking the validation process.

1 Scope

This PAS establishes the certification system to be followed by Certification Bodies providing evaluation services in respect of installers of EEM in accordance with PAS 2030:2017.

This PAS is not intended for application by EEM installers although an understanding of its requirements may be useful for installers intending to apply for evaluation.

2 Normative references

The following referenced documents are indispensable for the application of this PAS. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

BS EN ISO/IEC 17020, *Conformity assessment – Requirements for the operation of various types of bodies performing inspection*

BS EN ISO/IEC 17065, *Conformity assessment- Requirements for bodies certifying products, processes and services*

PAS 2030:2017, *Specification for the installation of energy efficiency measures (EEM) in existing buildings*

3 Terms and definitions

For the purposes of this PAS, the terms defined in BS EN ISO/IEC 17065 and PAS 2030:2017 together with those provided in this clause, apply.

3.1 audit

systematic, independent, documented process for obtaining records, statements of fact or other relevant information and evaluating them objectively to determine the extent to which specified requirements are fulfilled

NOTE Based on BS EN ISO/IEC 17000 (4.4).

3.2 certification body

entity providing conformity evaluation services

3.3 customer

property owner, landlord and/or tenant of a building at which EEM are being installed

[PAS 2030:2017 3.6]

3.4 evaluation

systematic, independent, documented process involving both audit and inspection for confirming that all specified requirements relating to EEM installation processes undertaken by an installer are fulfilled

3.5 energy efficiency measure (EEM)

planned work undertaken to improve the energy performance of a building by saving or generating energy

[PAS 2030:2017 3.11]

3.6 (at location) inspection

examination of pre-installation building inspection and/ or EEM installation activity at the building in which installation is to be, is being or has been, undertaken, either before, during or after its undertaking. This inspection will be at a level of detail sufficient to assess compliance of the installation with the relevant requirements of PAS 2030:2017, and in conjunction with evaluation of the installation process used