

Scheme for the application of European Standards for intruder and hold-up alarm systems

ICS 13.310

Committees responsible for this Published Document

The preparation of this Published Document was entrusted to Technical Committee GW/1, Electronic security systems, upon which the following bodies were represented:

ACPO — Association of Chief Police Officers of England, Wales and Northern Ireland

Association of British Insurers

Association of Security Consultants

Association of Social and Community Alarms

BRE — Building Research Establishment

British Retail Consortium

British Security Industry Association

BT plc — British Telecommunications plc

Electrical Contractors' Association

Metropolitan Police

National Security Inspectorate

Security Systems and Alarms Inspection

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Foreword

The preparation of this Published Document (PD) was entrusted to Technical Committee GW/1, Electronic security systems. It supersedes PD 6662:2000, which is withdrawn.

The start and finish of text introduced or altered by amendment is indicated in the text by tags **[A1]** **[A1]**. Tags indicating changes to text carry the number of the amendment. For example, text altered by amendment No. 1 is indicated by **[A1]** **[A1]**.

A series of European Standards for intruder and hold-up alarm systems (I&HAS) is being produced which will eventually replace a number of British Standards for intruder and hold-up alarm systems. Some European Standards in the series have been published, others are in draft format, and work has not started on the remainder.

This Published Document has been drawn up to enable users, specifiers and insurance companies to specify, and security companies to install, intruder and hold-up alarm systems to those parts of the European Standards which are already published and to those European Standards which exist in a mature draft form.

The publication of this PD is intended to enable the published European Standards and draft standards to be introduced in a controlled and consistent way across the industry.

It should be noted that BS EN 50131-1, *Alarm systems — Intrusion systems — Part 1: General requirements*, was issued in 1997, but despite two amendments has not been widely used by the UK alarms industry. The standard is currently undergoing a major revision and the latest draft, prEN 50131-1:2004 has been issued for comment. In the UK it has been agreed that prEN 50131-1:2004 will be called up in this PD and will be used as the UK standard for I&HAS installation until the revised EN 50131-1 is implemented as a BS EN. For the purpose of use within the UK, this action will have the effect of “freezing” the current edition of the prEN 50131-1 and give UK industry a period of stability. This is necessary because of the withdrawal of BS 4737.

This publication does not purport to include all the necessary provisions of a contract. Users are responsible for its correct application.

Attention is drawn to BS 7671, *The IEE Wiring Regulations*.

This Published Document is not to be regarded as a British Standard.

Summary of pages

This document comprises a front cover, an inside front cover, pages i and ii, pages 1 to 13 and a back cover.

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Introduction

This Published Document is intended to be read in conjunction with the standards and documents listed in Clause 3.

1 Scope

This Published Document describes a scheme which enables intruder and hold-up alarm systems to be installed and maintained in accordance with published European Standards, draft European Standards, and European Technical Specifications. Annex A to Annex D give supplementary provisions concerning aspects not included in those European Standards. Annex E gives recommendations for the application of prEN 50131-1¹⁾.

The scheme described in this PD applies to intruder and hold-up alarm systems with wired interconnections and/or wire-free interconnections. However the scheme does not apply to exterior intruder alarm systems or exterior deterrent systems which are installed in accordance with BS 4737-4.3 and BS 7992 respectively.

2 Terms, definitions and abbreviations

For the purposes of this Published Document, the following terms, definitions and abbreviations apply.

2.1 Terms and definitions

2.1.1

scheme

number of European Standards, published or in draft form (prEN), along with British Standards and Annex A to Annex E, which together contain the essential requirements for the design, specification, planning, installation, commissioning, operation and maintenance of intruder and hold-up alarm systems

2.1.2

remote system check

verification from a remote location that the intruder and hold-up alarm system is operating normally

2.1.3

masking

interference with the detector input capability by the introduction of a physical barrier such as metal, plastics, paper, or sprayed paints or lacquers in close proximity to the detector

2.1.4

remote location

premises of a system maintainer, an ARC or other contracted agent, from where it is possible to initiate and/or process remote system checks

¹⁾ prEN 50131-1 is a draft of a future publication which is subject to change. It was issued for public comment on 16 February 2004 with a closing date for receipt of comments on 31 May 2004. It is expected that industry will use the draft EN for a minimum of 2 years, until the text is ratified and this PD can be revised.

2.2 Abbreviations

ARC	Alarm Receiving Centre
BS	British Standard
BS EN	British Standard European Norm: UK version of an EN, published by BSI. (It is identical to the EN except for the national foreword)
CIE	Control and Indicating Equipment
DD	Draft for Development
DD CLC/TS	Draft for Development Technical Specification produced by CENELEC
EN	European Norm: a published European Standard
I&HAS	Intruder and Hold-up Alarm System
IAS	Intruder Alarm System
PD	Published Document: a document published by BSI which is not a British Standard
prEN	provisional European Norm: a draft European Standard which is publicly available
prTS	provisional European Technical Specification
TS	European Technical Specification

3 Scheme content

NOTE Where there is contradiction between the requirements of prEN 50131-1:2004 and other referenced Parts of the EN 50131 series, the requirements of prEN 50131-1 take precedence.

3.1 System standards

The following system standards and documents should be applied in the design, specification, planning, installation, commissioning, operation and maintenance of intruder and hold-up alarm systems.

prEN 50131-1:2004, *Alarm systems — Intrusion and hold-up systems — Part 1: System requirements*.

DD CLC/TS 50131-7:2003, *Alarm systems — Intrusion systems — Part 7: Application guidelines*.

BS EN 50136-1-1:1998, *Alarm systems — Alarm transmission systems and equipment — Part 1-1: General requirements for alarm transmission systems*.

The following other parts of BS EN 50136, as appropriate.

BS EN 50136-1-2:1998, *Alarm systems — Alarm transmission systems and equipment — Part 1-2: Requirements for systems using dedicated alarm paths*.

BS EN 50136-1-3:1998, *Alarm systems — Alarm transmission systems and equipment — Part 1-3: Requirements for systems with digital communicators using the public switched telephone network*.

BS EN 50136-1-4:1998, *Alarm systems — Alarm transmission systems and equipment — Part 1-4: Requirements for systems with voice communicators using the public switched telephone network*.

PD 6662:2004, Annex D, *Provisions additional to prEN 50131-1 and DD CLC/TS 50131-7 for intruder and hold-up alarm systems installed in accordance with the scheme given in PD 6662: Maintenance*.

DD 243, *Installation and configuration of intruder alarm systems designed to generate confirmed alarm conditions — Code of practice*.

NOTE Where environmental conditions are stated in prEN 50131-1, they are those in which the equipment is expected to operate normally, unlike those specified in BS 4737-3 which are test conditions.

3.2 Component standards

The following component standards and documents should be applied in the specification of intruder and hold-up alarm systems.

BS 4737-3.0:1988, *Intruder alarm systems in buildings — Part 3: Specifications for components — Section 3.0: General requirements*.

BS 4737-3.1:1977, *Intruder alarm systems in buildings — Part 3: Specifications for components — Section 3.1: Continuous wiring*.