



BSI Standards Publication

Alarm systems - Alarm transmission systems and equipment

Part 1: General requirements for alarm transmission systems

This is a preview of "BS EN 50136-1:2012+A...". [Click here to purchase the full version from the ANSI store.](#)

National foreword

This British Standard is the UK implementation of EN 50136-1:2012+A1:2018. It supersedes BS EN 50136-1:2012, which is withdrawn.

The start and finish of text introduced or altered by amendment is indicated in the text by tags. Tags indicating changes to CENELEC text carry the number of the CENELEC amendment. For example, text altered by CENELEC amendment A1 is indicated by A1 A1.

The UK participation in its preparation was entrusted to Technical Committee GW/1/5, Transmission equipment and networks.

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

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Alarm systems - Alarm transmission systems and equipment - Part 1: General requirements for alarm transmission systems

Systèmes d'alarme - Systèmes et équipements de
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les systèmes de transmission d'alarme

Alarmanlagen - Alarmübertragungsanlagen und -
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Alarmübertragungsanlagen

This amendment A1 modifies the European Standard EN 50136-1:2012; it was approved by CENELEC on 2017-02-20. CENELEC members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this amendment the status of a national standard without any alteration.

Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the CEN-CENELEC Management Centre or to any CENELEC member.

This amendment exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CENELEC member into its own language and notified to the CEN-CENELEC Management Centre has the same status as the official versions.

CENELEC members are the national electrotechnical committees of Austria, Belgium, Bulgaria, Croatia, Cyprus, the Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, the Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.



European Committee for Electrotechnical Standardization
Comité Européen de Normalisation Electrotechnique
Europäisches Komitee für Elektrotechnische Normung

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European foreword

This document (EN 50136-1:2012) has been prepared by CLC Technical Body CLC/TC 79, "Alarm systems".

The following dates are fixed:

latest date by which this document has to be (dop) 2012-12-26
implemented at national level by publication of an
identical national standard or by endorsement

latest date by which the national standards (dow) 2014-12-26
conflicting with this document have to be withdrawn

This document supersedes EN 50136-1-1:1998 + A1:2001 + A2:2008, EN 50136-1-2:1998, EN 50136-1-3:1998, EN 50136-1-4:1998 and EN 50136-1-5:2008.

The EN 50136 / CLC/TS 50136 series consists of the following parts, under the general title *Alarm systems — Alarm transmission systems and equipment*:

Part 1 General requirements for alarm transmission systems;

Part 2¹⁾ Requirements for Supervised Premises Transceiver (SPT);

Part 3¹⁾ Requirements for Receiving Centre Transceiver (RCT);

Part 4 Annunciation equipment used in alarm receiving centres;

Part 5²⁾ (free);

Part 6²⁾ (free);

Part 7 Application guidelines;

A1 Part 9 – Requirements for common protocol for alarm transmission using the internet protocol (IP). **A1**

1) At draft stage.

2) Under consideration.

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1 Scope

This European Standard specifies the requirements for the performance, reliability and security characteristics of alarm transmission systems.

It specifies the requirements for alarm transmission systems providing alarm transmission between an alarm system at a supervised premises and annunciation equipment at an alarm receiving centre.

This European Standard applies to transmission systems for all types of alarm messages such as fire, intrusion, access control, social alarm, etc. Different types of alarm systems may in addition to alarm messages also send other types of messages, e.g. fault messages and status messages. These messages are also considered to be alarm messages in the context of this standard. The term alarm is used in this broad sense throughout the document.

Additional alarm transmission requirements of specific types of alarm systems are given in the relevant European Standards.

2 Normative references

[A1] The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

EN 50136-2, Alarm systems — Alarm transmission systems and equipment — Part 2: Requirements for Supervised Premises Transceiver (SPT)

EN 50136-3, Alarm systems — Alarm transmission systems and equipment — Part 3: Requirements for Receiving Centre Transceiver (RCT) **[A1]**

3 Object

The object of this European Standard is to specify the general requirements for the performance, reliability, resilience and security of alarm transmission systems and to ensure their suitability for use with different types of alarm systems and annunciation equipment.

An alarm transmission system may use any type of transmission network.

When the ATS functions are integrated into an alarm system or annunciation equipment the requirements of this standard shall apply.

The intended users of this European Standard include alarm transmission service providers, alarm receiving centre operators, fire departments, insurance companies, telecommunication network operators, internet service providers, equipment manufacturers, alarm companies, end users and others.

4 Terms, definitions and abbreviations

4.1 Terms and definitions

For the purposes of this standard the following terms and definitions apply.

NOTE The definitions below should be read in conjunction with Figure 1.

4.1.1

alarm condition

condition of an AS, or part thereof, which results from the response of the system, or part thereof, to the presence of a hazard