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Standards

Irish Standard
I.S. EN 50136-1:2012

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

I.S. EN 50136-1:2012

Incorporating amendments/corrigenda issued since publication:

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English version

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

Systemes d'alarme -
Systemes et equipements de transmission
d'alarme -
Partie 1: Exigences generales pour les
systemes de transmission d'alarme

Alarmanlagen -
Alarmübertragungsanlagen und -
einrichtungen -
Teil 1: Allgemeine Anforderungen an
Alarmübertragungsanlagen

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CENELEC

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

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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 implemented at national level by publication of an identical national standard or by endorsement (dop) 2012-12-26
- latest date by which the national standards conflicting with this document have to be withdrawn (dow) 2014-12-26

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.

1) At draft stage.

2) Under consideration.

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

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. 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 ¹⁾		<i>Alarm systems — Alarm transmission systems and equipment — Part 2: Requirements for Supervised Premises Transceiver (SPT)</i>
EN 50136-3 ¹⁾		<i>Alarm systems — Alarm transmission systems and equipment — Part 3: Requirements for Receiving Centre Transceiver (RCT)</i>
ISO/IEC 10118	series	<i>Information technology — Security techniques — Hash-functions</i>
ISO/IEC 18033	series	<i>Information technology — Security techniques — Encryption algorithms</i>

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.

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