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

EESTI STANDARDIKESKUS
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EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

See Eesti standard EVS-EN 50136-1:2012 sisaldab Euroopa standardi EN 50136-1:2012 ingliskeelset teksti.	This Estonian standard EVS-EN 50136-1:2012 consists of the English text of the European standard EN 50136-1:2012.
Standard on jõustunud sellekohase teate avaldamisega EVS Teatajas.	This standard has been endorsed with a notification published in the official bulletin of the Estonian Centre for Standardisation.
Euroopa standardimisorganisatsioonid on teinud Euroopa standardi rahvuslikele liikmetele kättesaadavaks 20.01.2012.	Date of Availability of the European standard is 20.01.2012.
Standard on kättesaadav Eesti Standardikeskusest.	The standard is available from the Estonian Centre for Standardisation.

Tagasisidet standardi sisu kohta on võimalik edastada, kasutades EVS-i veebilehel asuvat tagasiside vormi või saates e-kirja meiliaadressile standardiosakond@evs.ee.

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English version

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

Systèmes d'alarme - Systèmes et équipements de transmission d'alarme - Partie 1: Exigences générales pour les systèmes de transmission d'alarme

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

This European Standard was approved by CENELEC on 2011-12-26. CENELEC members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration.

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This European Standard 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.

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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 2[1)] Requirements for Supervised Premises Transceiver (SPT);
- Part 3[1)] Requirements for Receiving Centre Transceiver (RCT);
- Part 4 Annunciation equipment used in alarm receiving centres;
- Part 5[2)] (free);
- Part 6[2)] (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)]		*Alarm systems — Alarm transmission systems and equipment — Part 2: Requirements for Supervised Premises Transceiver (SPT)*
EN 50136-3[1)]		*Alarm systems — Alarm transmission systems and equipment — Part 3: Requirements for Receiving Centre Transceiver (RCT)*
ISO/IEC 10118	series	*Information technology — Security techniques — Hash-functions*
ISO/IEC 18033	series	*Information technology — Security techniques — Encryption algorithms*

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.