

**Häiresüsteemid.
Häireedastussüsteemid ja -seadmed.
Osa1 1-1: Üldnõuded
häireedastussüsteemidele**

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

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

<p>Käesolev Eesti standard EVS-EN 50136-1-1:2002 sisaldab Euroopa standardi EN 50136-1-1:1998+A1:2001 ingliskeelset teksti.</p> <p>Käesolev dokument on jõustatud 18.12.2002 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes.</p> <p>Standard on kättesaadav Eesti standardiorganisatsioonist.</p>	<p>This Estonian standard EVS-EN 50136-1-1:2002 consists of the English text of the European standard EN 50136-1-1:1998+A1:2001.</p> <p>This document is endorsed on 18.12.2002 with the notification being published in the official publication of the Estonian national standardisation organisation.</p> <p>The standard is available from Estonian standardisation organisation.</p>
--	---

<p>Käsitlusala:</p> <p>This standard specifies the general requirements for the performance, reliability and security characteristics of alarm transmission systems. It covers the general requirements for connections providing signalling between an alarm system and an alarm receiving centre. EN 50136 shall apply for transmission of all types of alarms; fire, intrusion, access control social alarm etc. Different type of alarm systems may in addition to alarm messages also send other types of messages, e.g. fault messages and status messages.</p>	<p>Scope:</p> <p>This standard specifies the general requirements for the performance, reliability and security characteristics of alarm transmission systems. It covers the general requirements for connections providing signalling between an alarm system and an alarm receiving centre. EN 50136 shall apply for transmission of all types of alarms; fire, intrusion, access control social alarm etc. Different type of alarm systems may in addition to alarm messages also send other types of messages, e.g. fault messages and status messages.</p>
--	--

ICS 13.320

Võtmesõnad: definitions, dependability, documents, performance evaluation, protection of information, reliability, safety, specifications, tests, transmission, warning systems

Descriptors: Warning systems, transmission, definitions, specifications, performance evaluation, reliability, safety, dependability, protection of information, tests, documents

English version

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

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

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

This European Standard was approved by CENELEC on 1996-12-09. 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.

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

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 Central Secretariat has the same status as the official versions.

CENELEC members are the national electrotechnical committees of Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.

CENELEC

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

Central Secretariat: rue de Stassart 35, B - 1050 Brussels

Foreword

This European Standard was prepared by the Technical Committee CENELEC TC 79, Alarm systems.

The text of the draft was submitted to the Unique Acceptance Procedure and was approved by CENELEC as EN 50136-1-1 on 1996-12-09.

The following dates were fixed:

- latest date by which the EN has to be implemented
at national level by publication of an identical
national standard or by endorsement (dop) 1998-08-01
- latest date by which the national standards conflicting
with the EN have to be withdrawn (dow) 2002-08-01

EN 50136 consists of the following parts, under the general title "Alarm systems - Alarm transmission systems and equipment":

- Part 1-1 General requirements for alarm transmission systems
 - Part 1-2 Requirements for systems using dedicated alarm paths
 - Part 1-3 Requirements for systems with digital communicators using the public switched telephone network
 - Part 1-4 Requirements for systems with voice communicators using the public switched telephone network
 - Part 2-1 General requirements for alarm transmission equipment
 - Part 2-2 Requirements for equipment used in systems using dedicated alarm paths
 - Part 2-3 Requirements for equipment used in systems with digital communicators using the public switched telephone network
 - Part 2-4 Requirements for equipment used in systems with voice communicators using the public switched telephone network
 - Part 3 Alarm transmission protocols (in preparation)
 - Part 4 Annunciation equipment (in preparation)
 - Part 5 (free)
 - Part 6 (free)
 - Part 7 Application guidelines (in preparation)
-

Contents

Clause	Page
1 Scope	4
2 Normative references	4
3 Object	4
4 Definitions	4
5 General considerations	7
6 System requirements	8
7 Verification of performance	14
8 Documentation	17
Figure 1	18
Annex A (informative) - Availability examples	19

1 Scope

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

It covers the general requirements for connections providing signalling between an alarm system and an alarm receiving centre.

EN 50136 shall apply for transmission of all types of alarms; 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. Also these messages are considered part of alarm transmission. The term alarm is throughout the document used in this broad sense.

Additional requirements for specific types of alarm transmission systems are given in separate parts of this standard. This does not preclude the use of any alarm transmission system not covered by one of these specific parts, provided that it meets these general requirements. It further does not preclude the use of the alarm transmission equipment outside the scope of this document.

2 Normative references

This European Standard incorporates by dated or undated reference, provisions from other publications. These normative references are cited at the appropriate places in the text and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this European Standard only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies (including amendments).

<u>Publication</u>	<u>Title</u>
EN 50136-2-1	Alarm systems - Alarm transmission systems and equipment Part 2-1: General requirements for alarm transmission equipment

3 Object

The object of this standard is to specify the general requirements for the performance, reliability and security characteristics of alarm transmission systems and to ensure their suitability for use with different types of alarm systems.

4 Definitions

For the purposes of this standard the following definitions apply:

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

4.1 alarm condition: A condition of an alarm system, or part thereof, which results from the response of the system, or part thereof, to the presence of a hazard.

4.2 alarm receiving centre (central station): A continuously manned centre to which information concerning the status of one or more alarm systems is reported.