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Access control systems for use in security applications -

Part 1: System requirements

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English version

**Alarm systems - Access control systems for use in security applications
Part 1: System requirements**

Systèmes d'alarme - Systèmes de
contrôle d'accès à usage dans les
applications de sécurité
Partie 1: Règles relatives aux systèmes

Alarmanlagen - Zutrittskontrollanlagen
für Sicherheitsanwendungen
Teil 1: Systemanforderungen

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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.

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CENELEC

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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 50133-1 on 1995-11-28.

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) 1997-03-01
- latest date by which the national standards conflicting
with the EN have to be withdrawn (dew) 1997-03-01

EN. 50133 will consist of the following parts, under the general title "Alarm systems - Access control systems for use in security applications":

- Part 1 System requirements
 - Part 2 Recognition equipment
 - Part 3 Processing equipment - Display and programming equipment
 - Part 4 Access point actuator
 - Part 5 Communication
 - Part 6 (free)
 - Part 7 Application guidelines
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Introduction

This standard describes the general requirements for functionalities of an access control system for use in security applications.

it also describes general components environmental requirements.

When a part of an access control system (eg. access point interface) forms a part of an intruder alarm system, that part shall also fulfil the relevant requirements of alarm intrusion standards.

This standard addresses the security application for each access point. An access control system may consist of any number of access points.

Different levels of confidence in identification of users requesting access at an access point have resulted in the definition of recognition classes,

The diversities of the market needs for access control systems have led to take into account systems with or without logging or time logging.

Access point actuators as electric door openers, electronic locks, turnstiles and barriers are covered by CEN/TC33 standards.

1 Scope

This standard specifies requirements for automated access control systems and components in and around buildings.

H includes :

- system architecture and general requirements of an access control system for security applications,
- requirements for functions,
- definition of the environmental and electromagnetic compatibility conditions,
- requirements for communication of an access control with others, such as access point actuators and sensors, alarm system, etc...

The standard does not apply to access point actuators and sensors.

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).

EN 50081-1	1992	Electromagnetic compatibility - Generic emission standard - Part 1: Residential, commercial and light industry
EN 50081-2	1993	Electromagnetic compatibility - Generic emission standard - Part 2: Industrial environment
EN 50082	Series	Electromagnetic compatibility - Generic immunity standard
EN 55022	1994	Limits and methods of measurement of radio disturbance characteristics of information technology equipment (CISPR 22:1993)
EN 60950	1992	Safety of information technology equipment, including electrical business equipment (IEC 950:1991, modified)
IEC 68-1 + A1	1988 1992	Environmental testing - Part 1: General and guidance (harmonized as EN 60068-1:1994)
IEC 68-2-1	1990	Environmental testing - Part 2: Tests - Tests A: Cold (harmonized as EN 60068-2-1:1993)
IEC 68-2-2 + IEC 68-2-2A	1974 1976	Basic environmental testing procedures - Part 2: Tests - Tests B: Dry heat (harmonized as EN 60068-2-2: 1993)

IEC 68-2-6 + A1 + A2	1982 1983 1985	Basic environmental testing procedures - Part 2: Tests - Test Fc and guidance: Vibration (sinusoidal) (harmonized as HD 323.2.6 S2:1988)
IEC 68-2-18	1989	Environmental testing - Part 2: Tests - Test R and guidance: Water
IEC 68-2-63	1991	Environmental testing - Part 2. Test methods - Test Eg: Impact, spring hammer (harmonized as EN 60068.2-63:1994)

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