

English version

**Alarm systems -
Guidelines to achieving compliance with EC directives
for equipment of alarm systems**

Systèmes d'alarme -
Guide pour obtenir satisfaction
aux directives CE pour les matériels
de systèmes d'alarme

Alarmanlagen -
Leitfaden für Einrichtungen
von Alarmanlagen zur Erreichung
der Übereinstimmung mit EG-Richtlinien

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CENELEC members are the national electrotechnical committees of Austria, Belgium, Bulgaria, 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 and the United Kingdom.

CENELEC

European Committee for Electrotechnical Standardization
Comité Européen de Normalisation Electrotechnique
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Foreword

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

The text of the draft was submitted to the vote in accordance with the Internal Regulations, Part 2, Subclause 11.4.3.3 (simple majority) and was approved by CENELEC as CLC/TR 50456 on 2007-07-27.

This Technical Report supersedes CLC/TR 50456:2005.

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Introduction

It is the responsibility of each product Technical Committee to consider how the standardisation work may be done in good harmony with the legislation and in particular with EC directives. This is particularly the case when mandates have been given by the European Commission.

Therefore CLC/TC 79 had to consider the situation in the field of alarm systems step by step:

- the first step was to identify which directives are applicable to equipment used in alarm systems;
- among the applicable directives the second step consisted in the identification of those Essential Requirements (ERs) which apply to equipment used in alarm systems;
- the final question was: Do harmonized standards exist, listed in the Official Journal of the European Union, which may be used as reference to provide presumption of compliance with the identified Essential Requirements applicable to equipment used in alarm systems.

If the answer is “yes” the manufacturer is entrusted to refer to these harmonized standards. The equipment will be tested accordingly. A test report will give the results after testing. This route will show presumption of conformity.

If the answer is “no” the way to show compliance of conformity is more complicated. In the absence of a harmonized standard one has to study the directives concerned carefully in order to find out how compliance with Essential Requirements can be shown.

But in both cases the equipment will bear the CE marking, which would indicate that the equipment complies with all Essential Requirements of any EC directive which is applicable. In certain cases testing and certification by an independent third party might be requested.

This CE marking can be considered as a passport allowing the free circulation of products in the EU.

However, CLC/TC 79 wants to draw the attention of all interested parties and in particular of the user to the fact that CE marking does not necessarily ensure for example:

- sufficient reliability of the products,
- sufficient functionality concerning the intended use of the products and
- compatibility with other products or systems.

Therefore the existence of harmonized standards seems to be the most efficient way to show presumption of compliance.

This document is an attempt to answer these questions. It is considered as a guideline of CLC/TC 79 regarding the references which shall be used during the standardization process.

CLC/TC 79 wished this document to be published as a CENELEC Technical Report in order to guide all interested bodies, companies and individuals interested in alarm systems on how to use standards for the implementation of the EC directives.

1 Scope

This Technical Report gives guidance on the use of standards for alarm systems in the frame of the implementation of the EC directives.

Its purpose is:

- to find, among all EC directives, those directives which are directly covering equipment used in alarm systems;
- to identify the Essential Requirements (ERs) of the above EC directives which have to be taken into account during the standardization process and which should be known by bodies interested with equipment used in alarm systems;
- to register the standards that CLC/TC 79 recommends to use for showing presumption of conformity according to the EC directives and the ERs previously identified.

This Technical Report mainly covers equipment used in the following fields of activities: access control, alarm transmission, CCTV, fire detection and fire alarm, intrusion and hold-up, social alarm.

2 Definitions and abbreviations

2.1 Definitions

2.1.1

access control system

system which comprises all the constructional and organisational measures as well as those pertaining to the apparatus which are required for controlling access

2.1.2

alarm system

an electrical installation which responds to the manual or automatic detection of a presence of a hazard

2.1.3

alarm transmission system

a system which is used to transfer information between one or more alarm systems and one or more alarm centres

2.1.4

CCTV surveillance system

a CCTV surveillance system consists of camera equipment, monitoring and associated equipment for transmission and controlling purposes which may be necessary for the surveillance of a defined security zone

2.1.5

fire detection and fire alarm system

FDAS

group of components including a CIE which, when arranged in (a) specified configuration(s), is capable of detecting and indicating a fire, and giving signals for appropriate action

2.1.6

hold-up alarm system

alarm system providing the means for a user to deliberately generate a hold-up alarm condition