

TECHNICAL SPECIFICATION

CLC/TS 50398

SPÉCIFICATION TECHNIQUE

TECHNISCHE SPEZIFIKATION

December 2002

ICS 13.320

English version

**Alarm systems -
Combined and integrated alarm systems -
General requirements**

This Technical Specification was approved by CENELEC on 2002-06-22.

CENELEC members are required to announce the existence of this TS in the same way as for an EN and to make the TS available promptly at national level in an appropriate form. It is permissible to keep conflicting national standards in force.

CENELEC members are the national electrotechnical committees of Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Luxembourg, Malta, Netherlands, Norway, Portugal, Slovakia, 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 Technical Specification was prepared by the Technical Committee CENELEC TC 79, Alarm systems. The text of the draft was submitted to the questionnaire and vote procedure and was approved as CLC/TS 50398 on 2002-06-22.

The following date was fixed:

- latest date by which the existence of the CLC/TS
has to be announced at national level (doa) 2003-01-01

This document is a preview generated by EVS

Contents

Introduction	4
1 Scope	4
2 Normative references	4
3 Definitions	4
4 General description and fundamental principles	7
4.1 General	7
4.2 Standards	8
4.3 Configuration types of integrated alarm systems	8
4.3.1 Type 1.....	8
4.3.2 Type 2.....	10
5 System requirements and compatibility assessment	12
5.1 Standards	12
5.2 General design	12
5.2.1 General.....	12
5.2.2 Access levels.....	12
5.2.3 Special design requirements for configuration types.....	13
5.3 Common facility for control	13
5.4 Common facility for indication	13
5.4.1 Reliability requirement.....	13
5.4.2 Indication of the information.....	13
5.4.3 Priorities.....	13
5.5 Processing in alarm standard required processing elements	14
5.5.1 General.....	14
5.5.2 Software for common processing elements.....	14
5.6 Connection to alarm transmission system	15
5.7 Interconnection rules	15
5.8 Power supplies	15
5.9 Timing requirements	15
5.10 Simultaneous occurrence of events	15
5.11 Verification of performance	16
5.12 Central control facilities	16
5.12.1 General.....	16
5.12.2 Classification.....	16
5.12.3 Requirements.....	16
Annex A (informative) Application and installation guidelines and responsibilities	18
A.1 Specification	18
A.2 Contractual responsibility	18
A.3 Installation and wiring:	18
A.4 Certification	18
A.5 User Responsibilities	18
A.5.1 System supervision.....	18
A.5.2 System log book.....	18
A.6 Maintenance and Support	19
A.6.1 System upgrade and modification.....	19
A.6.2 System tests.....	19
A.6.3 System maintenance.....	19
A.7 Documentation and training	19

Introduction

This Technical Specification describes the general requirements and configuration types for combined and integrated alarm systems which shall apply when one or more of the applications being integrated is an alarm application.

The prime considerations of this Technical Specification are to ensure that the individual standards are applied when they form a part of an integrated system solution with each other or with other (specified or unspecified) applications.

This document provides additional information relating to initial system design, planning, installation, commissioning, operation and maintenance for such combined and integrated alarm systems.

1 Scope

This Technical Specification specifies the requirements for alarm systems combined and integrated with other systems which may or may not be alarm systems.

This Technical Specification defines requirements, related to the rules of integration, in order to complement the individual alarm application standards and to provide clarification where there is conflict.

Alarm transmission systems are excluded from the scope of this Technical Specification.

2 Normative references

EN 54 Series, Fire alarm systems

EN 5013x series, Alarm systems

EN 60073:2002, Basic and safety principles for man-machine interface, marking and identification - Coding principles for indicators and actuators

3 Definitions

For the purposes of this Technical Specification, the following definitions apply:

3.1

additional facility

facility which is not described in an application standard and not necessary to fulfil the functions required of that application standard

NOTE 1 An additional facility may be shared by two or more applications. In this case this facility may be an additional facility for one application but standard-required for another application.

NOTE 2 For an application where no standard exists, any facility of this application is considered as additional.

3.2

alarm

a warning of the presence of a hazard to life, property or the environment