

Alarm systems - Combined and integrated alarm systems - Part 1: General requirements

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NATIONAL FOREWORD

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English Version

Alarm systems - Combined and integrated alarm systems - Part 1: General requirements

Systèmes d'alarme - Systèmes d'alarme combinés et intégrés - Partie 1: Exigences générales

Alarmanlagen - Kombinierte und integrierte Alarmanlagen - Teil 1: Allgemeine Anforderungen

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European foreword

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The following dates are fixed:

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This document partially supersedes CLC/TS 50398:2009.

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Introduction

Electronic system integration brings added value through sharing of common resources, adding new functionality or enabling automated command and control functionalities for faster accurate responses.

This European Standard describes the general requirements and configuration types for combined and integrated electronic systems, which should apply when one or more of the applications being integrated is an alarm application. Applications that should be integrated have as a prerequisite that they are capable of being interoperable at a specified system, sub system or component level.

The prime considerations of this European Standard are to ensure that the individual alarm standards, requirements or guidelines are applied when alarm applications form part of an integrated system. The requirements of this document are in addition to application specific system standards. Application specific system standards take precedence over requirements detailed in this document.

In addition to sharing means of control or communication, the implementation of integration between systems, as described in this document, may provide additional services to the user.

In this document, the wording 'combined and integrated alarm system' is synonymous with 'integrated alarm system', which will mostly be used in the document.

NOTE The bibliography for this document has a non exhaustive list of alarm application standards.

1 Scope

This European Standard specifies the requirements for integrating alarm applications with other systems, which may or may not be alarm applications.

This document defines requirements and procedures for essential testing of the specific aspects of the functionality and integrity, related to the integration of the equipment or systems, in order to complement the individual alarm application 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 60073, *Basic and safety principles for man-machine interface, marking and identification — Coding principles for indicators and actuators (IEC 60073)*

3 Terms, definitions and abbreviations

For the purposes of this document, the following terms, definitions and abbreviations apply.

3.1 Terms and definitions

3.1.1

(N)ACK

(Negative)Acknowledgement Response of an application to a command

3.1.2

additional facility

facility which is not standard-required by any of the applications of the integrated alarm system

3.1.3

alarm

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

3.1.4

alarm application

sub system of an integrated alarm system intended for the protection of life, property or the environment, such as but not limited to:

- intrusion and hold-up alarm system,
- social alarm system,
- lift alarm system,
- environmental alarm system,
- video surveillance systems used for security and surveillance,
- access control system,
- fire detection, fire alarm and fire protection systems

3.1.5

alarm receiving centre

continuously manned centre to which information concerning the status of one or more alarm systems is reported