

English Version

**Alarm systems - Alarm transmission systems and equipment -  
Part 7: Application guidelines**

Systèmes d'alarme - Systèmes et équipements de  
transmission d'alarme - Partie 7 : Guide d'application

Alarmanlagen - Alarmübertragungsanlagen und -  
einrichtungen - Teil 7: Anwendungsregeln

This Technical Specification was approved by CENELEC on 2017-05-29.

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## European foreword

This document (CLC/TS 50136-7:2017) has been prepared by CLC/TC 79 “Alarm systems”.

The following date is fixed:

- latest date by which this technical specification has to be announced at national level (doa) 2017–08–29

This document supersedes CLC/TS 50136-7:2004.

Annexes designated “informative” are given for information only.

EN 50136 will consist of the following parts, under the general title “Alarm systems - Alarm transmission systems and equipment”:

- Part 1 General requirements for alarm transmission systems
- Part 2 General requirements for Supervised Premises Transceiver (SPT)
- Part 3 Requirements for Receiving Centre Transceiver (RCT)
- Part 4 Annunciation equipment used in alarm receiving centres
- Part 5 (Free)
- Part 6 (Free)
- Part 7 Application guidelines
- Part 8 (Free)
- Part 9 Requirements for a common protocol for alarm transmission using the Internet Protocol (IP)

## Introduction

To give a common understanding of the requirements detailed in the EN 50136 suite of standards covering alarm transmission, there is a need for application guidelines to provide support to other TC 79 WGs, standardization bodies, insurance companies and customers, to understand what an appropriate performance for the alarm transmission system for a specific application should be.

A full understanding of an application or application requirements are not always available to the alarm transmission experts, and therefore the following guidelines for the application of alarm transmission should assist the reader to understand the alarm transmission standards and the performance of an alarm transmission system. The EN 50136 suite of alarm transmission standards apply to many diverse applications e.g. I&HAS, fire, access control, VSS. Therefore, this guideline should be read in conjunction with the standards relating to these applications where appropriate.

Several alarm transmission systems may be used by the providers of alarm transmission services, which imply that the level of services may vary, depending on the performance of each alarm transmission system.

## 1 Scope

These application guidelines include guidance on the application of the design, planning, operation, installation, commissioning and maintenance of alarm transmission systems for use in fire, I&HAS, Social Alarms and VSS applications. This document does NOT specify requirements. The requirements for ATS and ATE are specified in other parts of the EN 50136 series of standards.

These application guidelines are intended to assist those responsible for establishing an ATS(n) to ascertain the appropriate design, planning, installation, operation and maintenance of an ATS(n) and to determine the most appropriate ATS category for the required system performance. E.g. Installers and service providers, ATSPs and their ICT managers, Network operators (Telco's), ARC's and their ICT managers, Test houses and Certification inspectorates, Specifiers, Insurance companies, Manufacturers of ATE.

## 2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

EN 54-21, *Fire detection and fire alarm systems - Part 21: Alarm transmission and fault warning routing equipment*

EN 50130-4, *Alarm systems - Part 4: Electromagnetic compatibility - Product family standard: Immunity requirements for components of fire, intruder, hold up, CCTV, access control and social alarm systems*

EN 50130-5, *Alarm systems - Part 5: Environmental test methods*

EN 50131-1, *Alarm systems - Intrusion and hold-up systems - Part 1: System requirements*

EN 50134-1, *Alarm systems - Social alarm systems - Part 1: System requirements*

EN 50136-1:2012, *Alarm systems - Alarm transmission systems and equipment - Part 1: General requirements for alarm transmission systems*

EN 50136-2, *Alarm systems - Alarm transmission systems and equipment - Part 2: Requirements for Supervised Premises Transceiver (SPT)*

EN 50136-3, *Alarm systems - Alarm transmission systems and equipment - Part 3: Requirements for Receiving Centre Transceiver (RCT)*

## 3 Terms and definitions

For the purposes of this document, the terms and definitions given in EN 50136-1:2012 apply.

## 4 Abbreviations

For the purposes of this document, the following abbreviations apply.

SLA	Service Level Agreement
UC	Underpinning Contract
OLA	Operational Level Agreement
MTBF	Mean Time Between Failures
MTTR	Mean Time To Repair
SAP	Service Access Point