

BS EN 50518-1:2010



BSI Standards Publication

Monitoring and alarm receiving centre

Part 1: Location and construction requirements

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National foreword

This British Standard is the UK implementation of EN 50518-1:2010. Following publication of the BS EN 50518 series, BS 5979:2007 will be reviewed.

Additional information

Based on advice received from CENELEC, it is the opinion of the UK national committee that BS EN 50518-1 applies to alarm signals generated from Intruder & Hold-up alarm systems (I&HAS) only. Alarm signals from other types of alarm systems, i.e. fire, social and closed circuit television systems (CCTV) are not within the scope of the BS EN 50518 suite.

British Standard (BS) 5979, *Remote centres receiving signals from fire and security systems – Code of practice*, gives recommendation for the planning, construction and facilities of manned and unmanned remote centres, and for the operation of alarm receiving centres (ARCs) receiving signals from security systems. As a result of the publication of the BS EN 50518 suite, BS 5979 will be reviewed to remove reference to I&HAS.

The UK participation in its preparation was entrusted to Technical Committee GW/1/11, Remote centres.

A list of organizations represented on this committee can be obtained on request to its secretary.

This publication does not purport to include all the necessary provisions of a contract. Users are responsible for its correct application.

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Compliance with a British Standard cannot confer immunity from legal obligations.

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English version

Monitoring and alarm receiving centre - Part 1: Location and construction requirements

Centre de contrôle et de réception
d'alarme -
Partie 1: Exigences pour l'emplacement
et la construction

Notruf- und Serviceleitstellen (NSL) -
Teil 1: Örtliche und bauliche
Anforderungen

This European Standard was approved by CENELEC on 2010-04-01. CENELEC members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration.

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.

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CENELEC

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Foreword

This European Standard was prepared by the Technical Committee CENELEC TC 79, Alarm systems. It was submitted to the formal vote and approved by CENELEC on 2010-04-01.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN and CENELEC shall not be held responsible for identifying any or all such patent rights.

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) | 2011-04-01 |
| – latest date by which the national standards conflicting with the EN have to be withdrawn | (dow) | 2013-04-01 |

EN 50518 will consist of the following parts, under the generic title “*Monitoring and alarm receiving centre*”:

- Part 1: Location and construction requirements;
 - Part 2 ¹⁾: Technical requirements;
 - Part 3 ¹⁾: Procedures and requirements for operation.
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¹⁾ At draft stage.

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Introduction

This European Standard applies to Monitoring and Alarm Receiving Centres (MARC) that monitor and/or receive and/or process signals that require an emergency response.

In all existing EN 50131 series accomplished under CLC/TC 79, Alarm systems, the abbreviation ARC is used. To avoid confusion and to achieve consistency in terminology the abbreviation ARC will be used throughout this European Standard, where MARC is equivalent for ARC.

The function of receiving, processing and initiating response actions by (human) intervention for information provided by alarm systems is not limited to only those signals as generated by Intruder and Hold-up Alarm Systems (I&HAS). The whole series of standards under CLC/TC 79, Alarm systems, encompasses CCTV surveillance systems (EN 50132), social alarm systems (EN 50134), access control systems (EN 50133) and audio and video door entry systems. All mentioned systems can send information, including alarms, to one or more remote locations for further processing, evaluation and (human) intervention.

All alarm information generated by other systems e.g. fire detection and fire alarm systems, (vehicle) tracking and tracing systems, guarding or telecommunication network supervision is regularly transmitted to one or more remote locations for further processing, evaluation and (human) intervention.

In all above circumstances external and internal criminal action, emergency situations and/or calamities can jeopardize the safety and security of human beings and or properties. The central locations where the receiving, processing and initiation of (human) intervention take place should comply with the requirements of this European Standard.

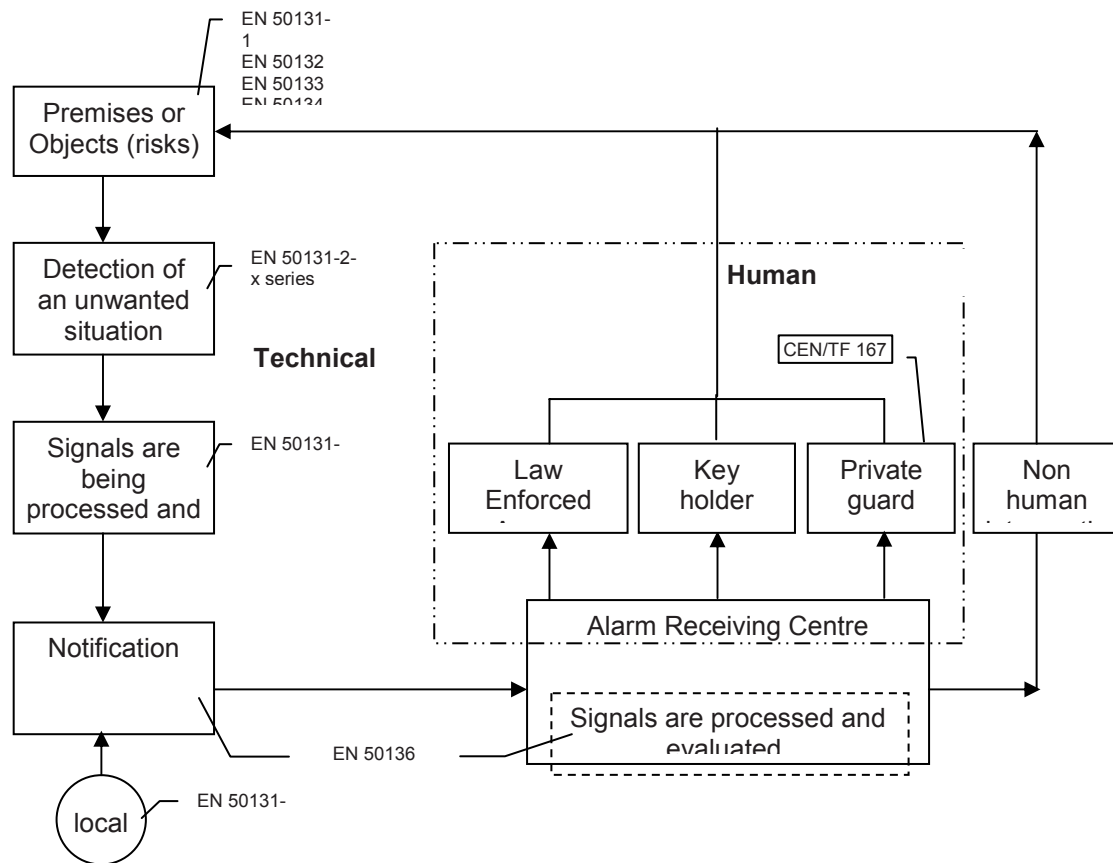


Figure 1 – Chain diagram of the total alarm process

It is noted that this European Standard cannot supersede any legislative requirements deemed necessary by a National Government to control the security sector on a national basis. This European Standard cannot interfere with items that are regulated by (inter)national regulations concerning external services (e.g. water, waste water, fuel supplies for gas and/or oil and mains power supplies).

1 Scope

This Part 1 of EN 50518 specifies the minimum requirements for the design, construction, and functioning equipment for premises where the monitoring, receiving and processing of (alarm) signals generated by alarm systems takes place as an integrated part of the total safety and security process. The requirements apply for applications in a remote configuration where multiple systems report to a single or multiple Alarm Receiving Centre(s) (ARC) as well as to a single site facility aimed for the monitoring and processing of alarms generated by one or more alarm systems installed within the perimeter of that particular site.

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	series	Fire detection and fire alarm systems
EN 179	2008	Building hardware – Emergency exit devices operated by a lever handle or push pad, for use on escape routes – Requirements and test methods
EN 356	1999	Glass in building – Security glazing – Testing and classification of resistance against manual attack
EN 1063	1999	Glass in building – Security glazing – Testing and classification of resistance against bullet attack
EN 1303	2005	Building hardware – Cylinders for locks – Requirements and test methods
EN 1522	1998	Windows, doors, shutters and blinds – Bullet resistance – Requirements and classification
EN 1627	2)	Pedestrian doorsets, windows, curtain walling, grilles and shutters – Burglar resistance – Requirements and classification
EN 1906	2002	Building hardware – Lever handles and knob furniture – Requirements and test methods
EN 12209	2003	Building hardware – Locks and latches – Mechanically operated locks, latches and locking plates – Requirements and test methods
EN 13501-2	2007	Fire classification of construction products and building elements – Part 2: Classification using data from fire resistance tests, excluding ventilation services
EN 13779	2007	Ventilation for non-residential buildings – Performance requirements for ventilation and room-conditioning systems
EN 14846	2008	Building hardware – Locks and latches – Electromechanically operated locks and striking plates – Requirements and test methods
EN 50131-1	2006	Alarm systems – Intrusion and hold-up systems – Part 1: System requirements
EN 50131-4	2009	Alarm systems – Intrusion and hold-up systems – Part 4: Warning devices

2) At draft stage.