

**Monitoring and alarm receiving centre -- Part 2:  
Technical requirements**

## EESTI STANDARDI EESSÕNA

## NATIONAL FOREWORD

See Eesti standard EVS-EN 50518-2:2013 sisaldab Euroopa standardi EN 50518-2:2013 inglisekeelset teksti.	This Estonian standard EVS-EN 50518-2:2013 consists of the English text of the European standard EN 50518-2:2013.
Standard on jõustunud sellekohase teate avaldamisega EVS Teatajas.	This standard has been endorsed with a notification published in the official bulletin of the Estonian Centre for Standardisation.
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English version

**Monitoring and alarm receiving centre -  
Part 2: Technical requirements**

Centre de contrôle et de réception  
d'alarme -  
Partie 2: Exigences techniques

Alarmempfangsstelle (AES) -  
Teil 2: Technische Anforderungen

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European Committee for Electrotechnical Standardization  
Comité Européen de Normalisation Electrotechnique  
Europäisches Komitee für Elektrotechnische Normung

**CEN-CENELEC Management Centre: Avenue Marnix 17, B - 1000 Brussels**

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## Foreword

This document (EN 50518-2:2013) has been prepared by CLC/TC 79 "Alarm systems".

The following dates are fixed:

- latest date by which this document has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2014-10-07
- latest date by which the national standards conflicting with this document have to be withdrawn (dow) 2016-10-07

This document supersedes EN 50518-2:2010.

EN 50518-2:2013 includes the following significant technical changes with respect to EN 50518-2:2010.

- There was no mandatory connection for certification between the three parts of the standard with the result that it could be possible to certify only against one or two of the three parts of the standard, which is clearly not the purpose of the WG. This is solved by adding a sentence "*This part of EN 50518 is to be read in conjunction with Part 1 and Part 3, and cannot be used separately.*" to the foreword.
- The scope is limited to intruder and hold-up alarm systems.
- All normative references are updated.
- Corrigendum AC:2011 is included, and event 1 of Annex A is removed.

EN 50518 consists of the following parts under the generic title "*Monitoring and alarm receiving centre*":

- *Part 1: Location and construction requirements;*
- *Part 2: Technical requirements;*
- *Part 3: Procedures and requirements for operation.*

This part of EN 50518 is to be read in conjunction with Part 1 and Part 3, and cannot be used separately.

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

## Introduction

This European Standard applies to all 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.

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, wastewater, fuel supplies, gas, oil and mains power supplies).

## 1 Scope

This part of EN 50518 specifies the technical requirements of an ARC. This also includes functional performance criteria and verification of performance.

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

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

EN 50518-1, *Monitoring and alarm receiving centre – Part 1: Location and construction requirements*

EN 50518-3, *Monitoring and alarm receiving centre – Part 3: Procedures and requirements for operation*

## 3 Terms, definitions and abbreviations

### 3.1 Terms and definitions

For the purposes of this document, the terms and definitions given in EN 50518-1:2013 and the following apply.

#### 3.1.1

##### **alarm transmission equipment**

collective term to describe SPT, MCT and RCT

[SOURCE: EN 50136-1:2012, 4.1.4]

#### 3.1.2

##### **alarm transmission system**

ATE and networks used to transfer information concerned with the state of one or more ASs to the AE of one more ARCs

Note 1 to entry: An ATS may consist of ATPs of different classes, e.g. for use in so called "dual path systems".

[SOURCE: EN 50136-1:2012, 4.1.8, modified]

#### 3.1.3

##### **annunciation equipment**

equipment located at an ARC which displays the alarm status, or the changed alarm status of ASs in response to the receipt of incoming alarm messages

Note 1 to entry: The AE is not part of the ATS.

[SOURCE: EN 50136-1:2012, 4.1.12, modified]