



NSAI
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Irish Standard
I.S. EN 50136-3:2013&A1:2021

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

I.S. EN 50136-3:2013&A1:2021

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EN 50136-3:2013/A1:2021

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National Foreword

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EN 50136-3:2013/A1

May 2021

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English Version

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

Systèmes d'alarme - Systèmes et équipements de
transmission d'alarme - Partie 3: Exigences pour les
transmetteurs du centre de réception (RCT)

Alarmanlagen - Alarmübertragungsanlagen und -
einrichtungen - Teil 3: Anforderungen an
Übertragungszentralen (ÜZ)

This amendment A1 modifies the European Standard EN 50136-3:2013; it was approved by CENELEC on 2021-04-12. CENELEC members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this amendment the status of a national standard without any alteration.

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

CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

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European foreword

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The following dates are fixed:

- latest date by which this document has (dop) 2022-04-12
to be implemented at national level by
publication of an identical national
standard or by endorsement
- latest date by which the national (dow) 2024-04-12
standards conflicting with this document
have to be withdrawn

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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN 50136-3

August 2013

ICS 13.320

English version

**Alarm systems -
Alarm transmission systems and equipment -
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Systèmes d'alarme -
Systèmes et équipements de transmission
d'alarme -
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Übertragungszentralen (ÜZ)

This European Standard was approved by CENELEC on 2013-08-12. 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.

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CENELEC

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

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- latest date by which the national standards conflicting with this document have to be withdrawn (dow) 2016-08-12

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.

EN 50136 consists 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: Requirements for Supervised Premises Transceiver (SPT)*;
- *Part 3: Requirements for Receiving Centre Transceiver (RCT)*;
- *Part 4: Annunciation equipment used in alarm receiving centres* (Technical Specification);
- *Part 7: Application guidelines* (Technical Specification);
- *Part 9: Requirements for common protocol for alarm transmission using the Internet protocol* (Technical Specification).

1 Scope

This European Standard specifies the minimum equipment requirements for the performance, reliability, resilience, security and safety characteristics of the receiving centre transceiver (RCT) installed in ARC and used in alarm transmission systems.

The alarm transmission system requirements and classifications are defined within EN 50136-1. Different types of alarm systems may in addition to alarm messages also send other types of messages, e.g. fault messages and status messages. These messages are also considered to be alarm messages. The term alarm message is used in this broad sense throughout the document.

Where application specific standards exist, the RCT should comply with relevant standards called up by that application.

The RCT can be either an integrated element of any receiving/annunciation equipment, or a stand-alone device. In either case, the requirements of this European Standard should apply.

The function of the RCT is to monitor the ATPs, receive alarm messages, forward alarm messages to one or more AEs and send acknowledgements to the SPTs.

Management of the transmission network is not in the scope of this European Standard.

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

3 Terms and definitions

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

3.1

remote access

access to the equipment from any location that is outside the protected premises in which the equipment is located

4 Object

This European Standard specifies the minimum equipment requirements for the performance, reliability, resilience, security and safety characteristics of the Receiving Centre Transceiver (RCT) installed in alarm receiving centres and to define parameters that shall be tested to ensure its compatibility with ATS categories.

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