



National Standards Authority of Ireland

IRISH STANDARD

I.S. EN 50136-2-1:1998

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**ALARM SYSTEMS - ALARM TRANSMISSION
SYSTEMS AND EQUIPMENT. PART 2-1:
GENERAL REQUIREMENTS FOR ALARM
TRANSMISSION EQUIPMENT**

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EUROPEAN STANDARD

EN 50136-2-1/A1

NORME EUROPÉENNE

EUROPÄISCHE NORM

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ICS 13 320

English version

**Alarm systems -
Alarm transmission systems and equipment
Part 2-1: General requirements for
alarm transmission equipment**

Systèmes d'alarme -
Systèmes et équipements de transmission
d'alarme
Partie 2-1: Exigences générales pour
équipements de transmission d'alarme

Alarmanlagen -
Alarmübertragungsanlagen und -
einrichtungen
Teil 2-1: Allgemeine Anforderungen
an Alarmübertragungseinrichtungen

This amendment A1 modifies the European Standard EN 50136-2-1:1998, it was approved by CENELEC on 2001-01-01. 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.

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.

This amendment exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CENELEC member into its own language and notified to the Central Secretariat has the same status as the official versions.

CENELEC members are the national electrotechnical committees of Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.

CENELEC

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

Central Secretariat: rue de Stassart 35, B - 1050 Brussels

Foreword

This amendment to the European Standard EN 50136-2-1 was prepared by the CENELEC Technical Committee 79 : Alarm systems.

The text of the draft was submitted to the Unique Acceptance Procedure and was approved by CENELEC as amendment A1 to EN 50136-2-1:1998 on 2001-01-01.

The following dates were fixed:

- latest date by which the amendment has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2001-12-01
- latest date by which the national standards conflicting with the amendment have to be withdrawn (dow) 2001-12-01

Introduction

This amendment describes a missing requirement which has been identified in EN 50136-2-1 resulting, if not implemented, in the risk to lose messages at the receiving centre transceiver level.

It is recommended to implement the requirements covered in this amendment even for products which have been already developed on the sole basis of the main standard.

The following clauses replace or amend those of EN 50136-2-1:1998.

5 Functionnal requirements

Add the following requirement :

5.18 Securing messages

Messages sent through the alarm transceiver system shall be secured by the receiving centre transceiver. If the alarm transceiver centre is connected to an annunciation equipment, the alarm transceiver centre does not need to secure messages ; in that event, the receiving centre transceiver shall only acknowledge messages after having received the acknowledgement from the annunciation equipment.

6 Testing and environmental requirements

Add the following subclause :

6.6.3 Securing messages

6.6.3.1 Securing messages through the receiving centre transceiver

The test consists in verifying that a message which has been acknowledged by the receiving centre transceiver is secured and not lost in case of fault condition as per 5.18.

An alarm message shall be presented to the receiving centre transceiver interface. When the acknowledgement signal corresponding to the reception of this message is detected, a fault condition shall be applied to the receiving centre transceiver (e.g. power supply failure). When the normal operating condition is restored, it shall be possible to retrieve the alarm message from the receiving centre transceiver.

NOTE This test only applies if the receiving centre transceiver is not to be connected to an annunciation equipment.

6.6.3.2 Securing messages through the annunciation equipment

The test consists in verifying that the receiving centre transceiver which has received an alarm message does not send an acknowledgement before having passed the alarm message to the annunciation equipment and received the appropriate acknowledgement.

The associated annunciation equipment shall be disconnected from the receiving centre transceiver. An alarm message shall be presented to the receiving centre transceiver interface.

The receiving centre transceiver shall not send any acknowledgement signal to the alarm transmission system.

NOTE This test only applies if the receiving centre transceiver is to be connected to an annunciation equipment.

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