



**NSAI**  
Standards

Irish Standard Recommendation  
S.R. CLC/TS 50136-7:2017

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

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**S.R. CLC/TS 50136-7:2017**

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## National Foreword

S.R. CLC/TS 50136-7:2017 is the adopted Irish version of the European Document CLC/TS 50136-7:2017, Alarm systems - Alarm transmission systems and equipment - Part 7: Application guidelines

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

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	Page
<b>Contents</b>	
<b>European foreword</b>	<b>4</b>
<b>Introduction</b>	<b>5</b>
<b>1 Scope</b>	<b>6</b>
<b>2 Normative references</b>	<b>6</b>
<b>3 Terms and definitions</b>	<b>6</b>
<b>4 Abbreviations</b>	<b>6</b>
<b>5 General</b>	<b>7</b>
<b>5.1 Information security</b>	<b>7</b>
<b>5.1.1 General</b>	<b>7</b>
<b>5.1.2 Key management</b>	<b>7</b>
<b>5.1.3 Access to the ATS and ATSN</b>	<b>7</b>
<b>5.1.4 Security screening</b>	<b>7</b>
<b>5.2 Availability</b>	<b>8</b>
<b>5.2.1 General</b>	<b>8</b>
<b>5.2.2 Single path ATS availability</b>	<b>8</b>
<b>5.2.3 Dual path ATS availability</b>	<b>8</b>
<b>5.3 Testing</b>	<b>10</b>
<b>5.4 Certification and inspection</b>	<b>10</b>
<b>5.5 The role of the ATSP</b>	<b>11</b>
<b>5.6 ATS applications</b>	<b>11</b>
<b>5.7 Alternative notification services</b>	<b>11</b>
<b>5.8 MCT and hosted RCT</b>	<b>11</b>
<b>5.9 Service level agreements</b>	<b>12</b>
<b>5.9.1 General</b>	<b>12</b>
<b>5.9.2 Topics of a Service Level Agreement</b>	<b>12</b>
<b>5.10 Documentation</b>	<b>13</b>
<b>6 Planning</b>	<b>13</b>
<b>6.1 General</b>	<b>13</b>
<b>6.2 Selection of ATS and/or ATSN category</b>	<b>13</b>
<b>6.3 Service level agreements</b>	<b>13</b>
<b>6.4 Roles and responsibilities</b>	<b>13</b>
<b>6.5 Connection to alarm systems</b>	<b>13</b>
<b>7 Design</b>	<b>14</b>
<b>7.1 Non-ATE equipment</b>	<b>14</b>
<b>7.2 Shared transmission links and throughput</b>	<b>14</b>
<b>7.2.1 General</b>	<b>14</b>
<b>7.2.2 Recommendations</b>	<b>15</b>
<b>7.3 Transmission network selection</b>	<b>15</b>
<b>7.4 Interoperability</b>	<b>15</b>
<b>7.4.1 Protocols</b>	<b>15</b>
<b>7.4.2 PSTN alarm reporting protocols</b>	<b>15</b>
<b>7.4.3 VoIP systems</b>	<b>16</b>
<b>7.4.4 IP Alarm reporting protocols</b>	<b>16</b>
<b>7.4.5 Interconnections</b>	<b>16</b>
<b>7.5 Location of SPT and other transmission network equipment</b>	<b>16</b>
<b>7.6 Design examples</b>	<b>16</b>

<b>7.6.1</b>	<b>General .....</b>	<b>16</b>
<b>7.6.2</b>	<b>ATSN using pass-through operation.....</b>	<b>17</b>
<b>7.6.3</b>	<b>ATSN using store-and-forward operation.....</b>	<b>18</b>
<b>8</b>	<b>Installation.....</b>	<b>18</b>
<b>8.1</b>	<b>Commissioning.....</b>	<b>18</b>
<b>8.2</b>	<b>Testing .....</b>	<b>18</b>
<b>8.2.1</b>	<b>General .....</b>	<b>18</b>
<b>8.2.2</b>	<b>Test period .....</b>	<b>19</b>
<b>8.2.3</b>	<b>Acceptance .....</b>	<b>19</b>
<b>8.2.4</b>	<b>Statement of conformance .....</b>	<b>19</b>
<b>8.3</b>	<b>Fixing, fitting and cabling .....</b>	<b>19</b>
<b>8.3.1</b>	<b>General .....</b>	<b>19</b>
<b>8.3.2</b>	<b>Cabling .....</b>	<b>19</b>
<b>8.4</b>	<b>Competence .....</b>	<b>20</b>
<b>8.5</b>	<b>Documentation .....</b>	<b>20</b>
<b>8.6</b>	<b>Certification.....</b>	<b>20</b>
<b>9</b>	<b>Operation.....</b>	<b>20</b>
<b>9.1</b>	<b>General .....</b>	<b>20</b>
<b>9.2</b>	<b>Performance monitoring of the ATS and/or ATSN.....</b>	<b>20</b>
<b>9.3</b>	<b>Change management.....</b>	<b>20</b>
<b>9.4</b>	<b>Configuration management.....</b>	<b>21</b>
<b>9.5</b>	<b>System upgrades.....</b>	<b>21</b>
<b>9.6</b>	<b>Problem management.....</b>	<b>21</b>
<b>9.7</b>	<b>Planned maintenance.....</b>	<b>21</b>
<b>9.8</b>	<b>End of life management.....</b>	<b>22</b>
<b>9.9</b>	<b>Back-ups .....</b>	<b>22</b>

## **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



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