

Building intercom systems - Part 3-1: Application
guidelines - General

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

See Eesti standard EVS-EN IEC 62820-3-1:2018 sisaldab Euroopa standardi EN IEC 62820-3-1:2018 ingliskeelset teksti.	This Estonian standard EVS-EN IEC 62820-3-1:2018 consists of the English text of the European standard EN IEC 62820-3-1:2018.
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.
Euroopa standardimisorganisatsioonid on teinud Euroopa standardi rahvuslikele liikmetele kättesaadavaks 22.06.2018.	Date of Availability of the European standard is 22.06.2018.
Standard on kättesaadav Eesti Standardikeskusest.	The standard is available from the Estonian Centre for Standardisation.

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ICS 13.320

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ICS 13.320

English Version

**Building intercom systems -
Part 3-1: Application guidelines - General
(IEC 62820-3-1:2017)**

Systèmes d'interphone de bâtiment -
Partie 3-1: Lignes directrices d'application - Généralités
(IEC 62820-3-1:2017)

Gebäude-Sprechanlagen -
Teil 3-1: Generelle Anwendungsrichtlinien
(IEC 62820-3-1:2017)

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Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the CEN-CENELEC Management Centre or to any CENELEC member.

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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

European foreword

The text of document 79/599/FDIS, future edition 1 of IEC 62820-3-1, prepared by IEC/TC 79 "Alarm and electronic security systems" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN IEC 62820-3-1:2018.

The following dates are fixed:

- latest date by which the document has to be (dop) 2018-12-22
implemented at national level by
publication of an identical national
standard or by endorsement
- latest date by which the national (dow) 2021-06-22
standards conflicting with the
document have to be withdrawn

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The text of the International Standard IEC 62820-3-1:2017 was approved by CENELEC as a European Standard without any modification.

In the official version, for Bibliography, the following notes have to be added for the standards indicated:

IEC 60529:1989	NOTE	Harmonized as EN 60529:1991 (not modified).
IEC 60529:1989/A1:1999	NOTE	Harmonized as EN 60529:1991/A1:2000 (not modified).
IEC 60529:1989/A2:2013	NOTE	Harmonized as EN 60529:1991/A2:2013 (not modified).
IEC 60839 Series	NOTE	Harmonized as EN 60839 Series
IEC 62262	NOTE	Harmonized as EN 62262.

Annex ZA (normative)

Normative references to international publications with their corresponding European publications

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements 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.

NOTE 1 Where an International Publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

NOTE 2 Up-to-date information on the latest versions of the European Standards listed in this annex is available here: www.cenelec.eu.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 62820-1-1	2016	Building intercom systems - Part 1-1: System requirements - General	EN 62820-1-1	2016
IEC 62820-1-2	-	Building intercom systems - Part 1-2: System requirements - Building intercom systems using the internet protocol (IP)	EN 62820-1-2	-
IEC 62820-2	-	Building intercom systems - Part 2: Requirements for advanced security building intercom systems (ASBIS)	EN IEC 62820-2	-

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

BUILDING INTERCOM SYSTEMS –**Part 3-1: Application guidelines – General****FOREWORD**

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International Standard IEC 62820-3-1 has been prepared by IEC technical committee 79: Alarm and electronic security systems.

The text of this International Standard is based on the following documents:

FDIS	Report on voting
79/599/FDIS	79/600/RVD

Full information on the voting for the approval of this International Standard can be found in the report on voting indicated in the above table.

This document has been drafted in accordance with the ISO/IEC Directives, Part 2.

A list of all parts in the IEC 62820 series, published under the general title *Building intercom systems*, can be found on the IEC website.

The committee has decided that the contents of this document will remain unchanged until the stability date indicated on the IEC website under "<http://webstore.iec.ch>" in the data related to the specific document. At this date, the document will be

- reconfirmed,
- withdrawn,
- replaced by a revised edition, or
- amended.

INTRODUCTION

This part 3-1 of the IEC 62820 series of standards provides application guidelines for building intercom systems. The other parts of this series of standards are as follows:

Part 1-1: System requirements – General

Part 1-2: System requirements – Building intercom systems using the Internet Protocol (IP)

Part 2: Requirements for advanced security building intercom systems (ASBIS)

Part 3-1: Application guidelines – General

Part 3-2: Application guidelines – Advanced security building intercom systems (ASBIS)

This part describes general recommendations for planning, installation, operation, maintenance and documentation for the application of building intercom systems. The recommendations of part 3-1 are specifically intended for large-scale systems.

Where an installation is intended to meet the requirements of IEC 62820-2, the recommendations of IEC 62820-3-2 should also be applied.

The implementation of building intercom systems (BIS) should be in accordance with the following sequence:

- system planning and design;
- system installation;
- commissioning and system handover;
- system operation and maintenance.

Separate guidance is provided for each activity along with recommendations for documentation needed. A brief description of each clause covering the activities is provided below:

System planning and design: this clause is intended to assist the designer with the selection of the type of BIS and system component of the BIS which best meet the BIS implementation and user requirement.

System installation: this clause is intended to help those responsible for installing BIS by identifying issues that should be considered prior to start of installation and during the installation of the system in order to ensure the BIS is implemented correctly as specified during system planning.

Commissioning and system handover: this clause provides guidance to ensure that the functions required in the system planning are obtained and that the system owner is provided with the necessary documentation, records and operating instructions during the handover of the BIS.

System operation and maintenance: this clause includes the guidelines of the implementation to ensure the system is operated correctly and maintained adequately.