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

EESTI STANDARDIKESKUS
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NATIONAL FOREWORD

See Eesti standard EVS-EN IEC 62820-2:2018 sisaldab Euroopa standardi EN IEC 62820-2:2018 ingliskeelset teksti.	This Estonian standard EVS-EN IEC 62820-2:2018 consists of the English text of the European standard EN IEC 62820-2:2018.
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 26.01.2018.	Date of Availability of the European standard is 26.01.2018.
Standard on kättesaadav Eesti Standardikeskusest.	The standard is available from the Estonian Centre for Standardisation.

Tagasisidet standardi sisu kohta on võimalik edastada, kasutades EVS-i veebilehel asuvat tagasiside vormi või saates e-kirja meiliaadressile standardiosakond@evs.ee.

ICS 13.320

EUROPEAN STANDARD

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Building intercom systems - Part 2: Requirements for advanced security building intercom systems (ASBIS) (IEC 62820-2:2017)

Systèmes d'interphone de bâtiment - Partie 2: Exigences pour les systèmes d'interphone de bâtiment à sécurité avancée (ASBIS) (IEC 62820-2:2017)

Gebäude-Sprechanlagen - Teil 2: Gebäude-Sprechanlagen für erhöhte Sicherheitsanforderungen (IEC 62820-2:2017)

This European Standard was approved by CENELEC on 2017-10-20. 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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European Committee for Electrotechnical Standardization
Comité Européen de Normalisation Electrotechnique
Europäisches Komitee für Elektrotechnische Normung

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European foreword

The text of document 79/588/FDIS, future edition 1 of IEC 62820-2, 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 62820-2:2018.

The following dates are fixed:

• latest date by which the document has to be implemented at national level by publication of an identical national standard or by endorsement	(dop)	2018-07-26
• latest date by which the national standards conflicting with the document have to be withdrawn	(dow)	2021-01-26

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

Endorsement notice

The text of the International Standard IEC 62820-2:2017 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 60839-11 Series	NOTE	Harmonized as EN 60839-11 Series.
IEC 60950-1	NOTE	Harmonized as EN 60950-1.
IEC 62820-3-1	NOTE	Harmonized as EN 62820-3-1 [1].
IEC/ISO 31010	NOTE	Harmonized as EN 31010.

[1] Under preparation. Stage at the time of publication: FprEN 62820-3-1:2017.

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.

Publication	Year	Title	EN/HD	Year
IEC 60268-16	-	Sound system equipment - Part 16: Objective rating of speech intelligibility by speech transmission index	EN 60268-16	-
IEC 60417-DB	-	Graphical symbols for use on equipment	-	-
IEC 62820-1-1	-	Building intercom systems - Part 1-1: System requirements - General	EN 62820-1-1	-
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 62820-3-2	-	Building intercom systems - Part 3-2: Application guidelines - Advanced security building intercom systems (ASBIS)	EN 62820-3-2 [2]	-
IEC 62676	Series	Video surveillance systems for use in security applications	EN 62676	Series
ISO 7010	-	Graphical symbols - Safety colours and safety signs - Registered safety signs	EN ISO 7010	-
ITU-T P.79	-	Calculation of loudness ratings for telephone sets Annex G, Telephone transmission quality, telephone installations, local line networks	-	-
ITU-T P.311	-	Transmission characteristics for wideband digital handset and headset telephones	-	-
ITU-T P.340	-	Transmission characteristics and speech quality parameters of hands-free terminals	-	-
ITU-T P.341	-	Transmission characteristics for wideband digital loudspeaking and hands-free telephony terminals	-	-
ITU-T P.800	-	Methods for subjective determination of transmission quality	-	-
ITU-T Recommendation G.722	-	7 kHz audio-coding within 64 kbit/s	-	-

[2] Under preparation. Stage at the time of publication: FprEN 62820-3-2:2017.

CONTENTS

INTRODUCTION

The IEC 62820 series of standards set out the technical requirements for the composition, functions, performance, test methods of building intercom systems for building entry and application guidelines and consist of five parts:

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[1]: Application guidelines – General;

Part 3-2[2]: Application guidelines – Advanced security building intercom systems.

IEC 62820-2 specifies higher security requirements, to be used in buildings with advanced security needs that additionally or alternatively apply in respect of those in IEC 62820-1-1 and/or IEC 62820-1-2 which give basic requirements for building intercom systems.

Additional requirements and recommendations are those described in IEC 62820-2, but they are not covered by IEC 62820-1-1 neither IEC 62820-1-2.

Requirements and recommendations described by IEC 62820-2 have precedence, if also described in IEC 62820-1-1 and/or IEC 62820-1-2.

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1 Under preparation. Stage at the time of publication: IEC/AFDIS 62820-3-1:2017.

2 Under preparation. Stage at the time of publication: IEC/AFDIS 62820-3-2:2017.

BUILDING INTERCOM SYSTEMS –

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

1 Scope

This part of IEC 62820 specifies the technical requirements for the composition, function, performance and testing methods of Advanced Security Building Intercom Systems.

This document is applicable for intercom systems used for any advanced security communication in buildings.

Advanced security building intercom systems (ASBIS) are used for rapid emergency and danger messages verification by voice communication, warning of a danger, rapid notification of the responsible emergency services/intervention services and for sending instructions on how to proceed. The requirement for a suitable concept is prior risk assessment and a definition of the protection target.

A Security management unit (SMU) is a necessary part of an ASBIS.

The type of building and the usage of a building have influence on the risk calculation. In this document, the relevant functions and performances are divided into three grades. According to the results of the risk calculation, the security needs will be covered by an individual system profile.

NOTE 1 Examples of typical profiles and each grades are defined in IEC 62820-3-2, where a risk calculation is required.

NOTE 2 The application of this document does not dispense to comply with the public national regulations concerning emergency systems.

NOTE 3 Systems for emergency purposes can be the subject of approval by local authorities.

2 Normative references

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.

IEC 60268-16, *Sound system equipment – Part 16: Objective rating of speech intelligibility by speech transmission index*

IEC 60417, *Graphical symbols for use on equipment* (available at http://www.graphical-symbols.info/equipment)

IEC 62820-1-1, *Building intercom systems – Part 1-1: System requirements – General*

IEC 62820-1-2, *Building intercom systems – Part 1-2: System requirements – Building intercom systems using the internet protocol (IP)*

IEC 62820-3-2, *Building intercom systems – Part 3-2: Application guidelines – Advanced security building intercom systems*