

<b>STN</b>	<b>Interkomové systémy v budovách Časť 2: Požiadavky na interkomové systémy v budovách so zvýšenou bezpečnosťou</b>	<b>STN EN IEC 62820-2</b>  33 4589
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Building intercom systems - Part 2: Requirements for advanced security building intercom systems (ASBIS)

Táto norma obsahuje anglickú verziu európskej normy.  
This standard includes the English version of the European Standard.

Táto norma bola oznámená vo Vestníku ÚNMS SR č. 07/18

Obsahuje: EN IEC 62820-2:2018, IEC 62820-2:2017

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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)

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Comité Européen de Normalisation Electrotechnique  
Europäisches Komitee für Elektrotechnische Normung

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

**EN IEC 62820-2:2018****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- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2021-01-26

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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 <sup>1</sup> .
IEC/ISO 31010	NOTE	Harmonized as EN 31010.

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<sup>1</sup> 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](http://www.cenelec.eu).

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
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 <sup>2</sup>	-
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	-	-

<sup>2</sup> Under preparation. Stage at the time of publication: FprEN 62820-3-2:2017.



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# INTERNATIONAL STANDARD

# NORME INTERNATIONALE



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

**Systèmes d'interphone de bâtiment –  
Partie 2: Exigences pour les systèmes d'interphone de bâtiment à sécurité  
avancée (ASBIS)**



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# INTERNATIONAL STANDARD

# NORME INTERNATIONALE



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

**Systèmes d'interphone de bâtiment –  
Partie 2: Exigences pour les systèmes d'interphone de bâtiment à sécurité  
avancée (ASBIS)**

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## CONTENTS

FOREWORD.....	5
INTRODUCTION.....	7
1 Scope.....	8
2 Normative references .....	8
3 Terms, definitions and abbreviated terms .....	9
3.1 Terms and definitions.....	9
3.2 Abbreviated terms.....	13
4 Functional requirements .....	14
4.1 General.....	14
4.2 Call function.....	14
4.3 Unlocking function .....	14
4.4 Emergency call .....	14
4.5 Manually controlled half duplex (non-simultaneous conversation) .....	15
4.6 High priority call.....	15
4.7 Direct communication between the security management units and master-stations .....	15
4.8 Audio and optical indicators .....	15
4.9 Help call (call for assistance) .....	15
4.10 Call queue .....	15
4.11 Image transmission.....	15
4.12 Entrance warning message .....	15
4.13 Event logs.....	16
4.14 SMU system test.....	16
4.15 Overall system test .....	16
4.16 Intercom unit full duplex.....	16
4.17 Intercom unit voice switched duplex (automatic half duplex) .....	16
4.18 Intercom unit call queue.....	16
4.19 Intercom unit call transfer .....	16
4.20 Intercom unit keep on hold.....	17
4.21 Intercom unit privacy protection .....	17
4.22 Intercom unit privacy communication .....	17
4.23 Intercom unit microphone status .....	17
4.24 System status monitoring.....	17
4.25 System event monitoring.....	17
4.26 System fault monitoring .....	17
4.27 Network security .....	17
4.28 Service staff and system administrators authentication and authorization .....	18
4.29 Network authentication and authorisation.....	18
4.30 System access control .....	18
4.31 Deleted .....	18
4.32 Interconnection security .....	18
4.33 Integrity protection .....	18
4.34 Building warnings distribution.....	18
4.35 Environmental noise cancellation .....	18
4.36 Void.....	19
4.37 Automatic aggression detection, (scream, shoot, glass-break, etc) .....	19
4.38 System redundancy .....	19



4.39	Inductive loop .....	19
4.40	Interfacing.....	19
4.41	User interface .....	19
4.42	Software download/upgrade.....	19
4.43	Void.....	20
4.44	System test.....	20
4.45	Voice communication test .....	20
4.46	Error report .....	20
4.47	Conversation transfer.....	20
5	Performance requirements.....	20
5.1	General.....	20
5.2	Audio characteristics.....	21
5.2.1	Acoustic pressure level.....	21
5.2.2	Frequency response .....	21
5.2.3	Acoustic distortion .....	21
5.2.4	Channel S/N ratio .....	21
5.2.5	Side-tone masking rating (STMR) .....	21
5.2.6	Codec dependent parameters, receiving delay.....	21
5.2.7	Audio switching time .....	21
5.2.8	Codec dependent parameters, sending delay .....	21
5.2.9	Automatic volume control (AVC) .....	22
5.2.10	Speech transmission index (STI) .....	22
5.2.11	Transmission quality .....	22
5.2.12	Codec.....	22
5.3	Other performances .....	22
5.3.1	System status monitoring.....	22
5.3.2	System event monitoring .....	22
5.3.3	System fault monitoring .....	22
5.3.4	Number of speech channels .....	23
5.3.5	Obsolete time .....	23
6	Test methods.....	23
6.1	General.....	23
6.2	The measurement of the frequency response.....	23
6.3	Acoustic pressure level .....	23
6.4	Acoustic distortion .....	23
6.5	Channel S/N ratio .....	23
6.6	Automatic volume control.....	23
6.7	Measurement of STI for laboratory test as well as for an onsite test of an installed system .....	24
6.8	Other measurements .....	24
Annex A	(normative) Pictograms: Symbols for important functions.....	25
A.1	General.....	25
A.2	Symbol for any call button (Door Bell): IEC 60417-5013:2002-10 .....	25
A.3	Symbol for call registration: IEC 60417-5090:2002-10.....	25
A.4	Symbol for established conversation: IEC 60417-5210:2011-05 .....	26
A.5	Symbol for: unlocked door: as ISO 7010 E058 but without arrow.....	26
A.6	Symbol for manually or automatically cancelling: IEC 60417-5576:2002-11 .....	27
Annex B	(normative) System composition .....	28
Bibliography	.....	29

Figure A.1 – Call button symbols .....	25
Figure A.2 – Call registration symbols .....	25
Figure A.3 – Established conversation symbols .....	26
Figure A.4 – Unlocked door symbols .....	26
Figure A.5 – Call Cancel button symbols .....	27
Figure B.1 – Composition of an ASBIS .....	28

## INTERNATIONAL ELECTROTECHNICAL COMMISSION

**BUILDING INTERCOM SYSTEMS –****Part 2: Requirements for advanced security  
building intercom systems (ASBIS)**

## FOREWORD

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International Standard IEC 62820-2 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
79/588/FDIS	79/590/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.

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## 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<sup>1</sup>: Application guidelines – General;

Part 3-2<sup>2</sup>: 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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<sup>1</sup> Under preparation. Stage at the time of publication: IEC/AFDIS 62820-3-1:2017.

<sup>2</sup> 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*

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– 9 –

IEC 62676 (all parts), *Video surveillance systems for use in security applications*

ISO 7010, *Graphical symbols – Safety colours and safety signs – Registered safety signs*

ITU-T G.722, *7 kHz audio-coding within 64 kbit/s*

ITU-T P.79, 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*

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