

INTERNATIONAL STANDARD

NORME INTERNATIONALE

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

**Systèmes d'interphone de bâtiment –
Partie 1-2: Exigences du système – Systèmes d'interphone de bâtiment utilisant
le protocole internet (IP)**



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BUILDING INTERCOM SYSTEMS –**Part 1-2: System requirements –
Building intercom systems using the internet protocol (IP)**

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International Standard IEC 62820-1-2 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
79/577/FDIS	79/589/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,
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INTRODUCTION

The IEC 62820 series of standards set out the technical requirements for the composition, functions, performance, and 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;

Part 3-1: Application guidelines – General;

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

BUILDING INTERCOM SYSTEMS –

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

1 Scope

This part of IEC 62820 specifies the technical requirements for the composition, functions, performance and test methods of building intercom systems using the internet protocol (IP) and it is a supplement to IEC 62820-1-1.

This document is applicable to the IP building intercom systems for both residential and commercial buildings.

NOTE A BIS that has a mixture of IP and non-IP connections is not covered by IEC 62820-1-2, but covered by IEC 62820-1-1.

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 62820-1-1:2016, *Building intercom systems – Part 1-1: System requirements – General*

ITU-T P.501, *Test signals for use in telephony*

3 Terms, definitions and abbreviated terms

3.1 Terms and definitions

For the purposes of this document, the definitions given in IEC 62820-1-1 and the following apply.

ISO and IEC maintain terminological databases for use in standardization at the following addresses:

- IEC Electropedia: available at <http://www.electropedia.org/>
- ISO Online browsing platform: available at <http://www.iso.org/obp>

3.1.1 audio delay

audio latency

one way delay (OWD) time of the transmitted audio signal from the microphone of one intercom unit through other components in the system to the loudspeaker of other intercom unit

3.1.2 audio switching time

time, from one transmission direction to the other measured from the removal of the signal in the first direction until the level in the second direction reaches 3 dB below its final value