



BSI Standards Publication

**Industrial networks — Wireless communication  
network and communication profiles — ISA 100.11a**

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## National foreword

This British Standard is the UK implementation of EN 62734:2015+A1:2019. It is identical to IEC 62734:2014, incorporating amendment 1:2019. It supersedes BS EN 62734:2015, which will be withdrawn on 4 September 2022.

The start and finish of text introduced or altered by amendment is indicated in the text by tags. Tags indicating changes to IEC text carry the number of the IEC amendment. For example, text altered by IEC amendment A1 is indicated by A1 A1.

The UK participation in its preparation was entrusted to Technical Committee GEL/65, Measurement and control.

A list of organizations represented on this committee can be obtained on request to its secretary.

This publication does not purport to include all the necessary provisions of a contract. Users are responsible for its correct application.

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**Compliance with a British Standard cannot confer immunity from legal obligations.**

This British Standard was published under the authority of the Standards Policy and Strategy Committee on 31 January 2015.

### Amendments/corrigenda issued since publication

Date	Text affected
30 November 2019	Implementation of IEC amendment 1:2019 with CENELEC endorsement A1:2019

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## EUROPÄISCHE NORM

October 2019

ICS 33.160.60; 33.170

English Version

Industrial networks - Wireless communication network and  
communication profiles - ISA 100.11a  
(IEC 62734:2014)

Réseaux industriels - Réseau de communication sans fil et  
profils de communication - ISA 100.11a  
(IEC 62734:2014)

Industrielle Kommunikationsnetze - Drahtlose  
Kommunikationsnetze und Kommunikationsprofile - ISA  
100.11a  
(IEC 62734:2014)

This European Standard was approved by CENELEC on 2014-12-02. 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.

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.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CENELEC member into its own language and notified to the CEN-CENELEC Management Centre has the same status as the official versions.

CENELEC members are the national electrotechnical committees of Austria, Belgium, Bulgaria, Croatia, Cyprus, the Czech Republic, Denmark, Estonia, Finland, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, the Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.



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 65C/778/FDIS, future edition 1 of IEC 62734, prepared by SC 65C "Industrial networks" of IEC/TC 65 "Industrial-process measurement, control and automation" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN 62734:2015.

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) 2015-09-02
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2017-12-02

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

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The text of the International Standard IEC 62734:2014 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 61158 Series	NOTE	Harmonized as EN 61158 Series.
IEC 61499-4:2005	NOTE	Harmonized as EN 61499-4:2006 <sup>1)</sup> (not modified).
IEC 61512-1	NOTE	Harmonized as EN 61512-1.
IEC 61804-3	NOTE	Harmonized as EN 61804-3.
IEC 62264-1:2013	NOTE	Harmonized as EN 62264-1:2013 (not modified).
IEC 62591	NOTE	Harmonized as EN 62591.
ISO 3166-1	NOTE	Harmonized as EN ISO 3166-1.

<sup>1)</sup> Superseded by EN 61499-4:2013 (IEC 61499-4:2013): DOW = 2016-03-06.

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## Foreword to amendment A1

The text of document 65C/965/FDIS, future IEC 62734/A1, prepared by SC 65C "Industrial networks" of IEC/TC 65 "Industrial-process measurement, control and automation" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN 62734:2015/A1:2019.

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) 2020-06-04
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2022-09-04

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(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>
IEEE 802.15.4	2016	IEEE Standard for Low-Rate Wireless Networks	-	-