
Industrijska omrežja - Brežično komunikacijsko omrežje in komunikacijski profili - ISA 100.11a - Dopolnilo A1 (IEC 62734:2014/A1:2019)

Industrial networks - Wireless communication network and communication profiles - ISA 100.11a (IEC 62734:2014/A1:2019)

Industrielle Kommunikationsnetze - Drahtlose Kommunikationsnetze und Kommunikationsprofile - ISA 100.11a (IEC 62734:2014/A1:2019)

Réseaux industriels - Réseau de communication sans fil et profils de communication - ISA 100.11a (IEC 62734:2014/A1:2019)

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Ta slovenski standard je istoveten z: EN 62734:2015/A1:2019

ICS:

25.040.01	Sistemi za avtomatizacijo v industriji na splošno	Industrial automation systems in general
33.040.40	Podatkovna komunikacijska omrežja	Data communication networks
35.100.01	Medsebojno povezovanje odprtih sistemov na splošno	Open systems interconnection in general

SIST EN 62734:2015/A1:2020**en,fr,de**

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EUROPEAN STANDARD

EN 62734:2015/A1

NORME EUROPÉENNE

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/A1:2019)**

Réseaux industriels - Réseau de communication sans fil et
profils de communication - ISA 100.11a
(IEC 62734:2014/A1:2019)

Industrielle Kommunikationsnetze - Drahtlose
Kommunikationsnetze und Kommunikationsprofile - ISA
100.11a
(IEC 62734:2014/A1:2019)

This amendment A1 modifies the European Standard EN 62734:2015; it was approved by CENELEC on 2019-09-04. CENELEC members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this amendment 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.

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This amendment 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.

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[https://standards.iteh.ai/catalog/standards/sist/2ebf80d6-9ffa-42cc-9c67-](https://standards.iteh.ai/catalog/standards/sist/2ebf80d6-9ffa-42cc-9c67-2019-09-04)

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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

EN 62734:2015/A1:2019 (E)**European foreword**

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

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.

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The text of the International Standard IEC 62734:2014/A1:2019 was approved by CENELEC as a European Standard without any modification.

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

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IEC 62734

Edition 1.0 2019-07

INTERNATIONAL STANDARD

NORME INTERNATIONALE

AMENDMENT 1
AMENDEMENT 1

Industrial networks –
Wireless communication network and communication profiles – ISA 100.11a

Réseaux industriels –
Réseau de communication sans fil et profils de communication – ISA 100.11a

INTERNATIONAL
ELECTROTECHNICAL
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FOREWORD

This amendment has been prepared by subcommittee 65C: Industrial networks, of IEC technical committee 65: Industrial-process measurement, control and automation.

The text of this amendment is based on the following documents:

FDIS	Report on voting
65C/965/FDIS	65C/970/RVD

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

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

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

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GENERAL REPLACEMENTS

Throughout the document, replace references to *IEEE 802.15.4:2011* as follows.

Location	Replace	With
4.6.10.2.8	"IEEE 802.15.4:2011"	"IEEE 802.15.4"
6.3.5.2, 6 th dash	"IEEE 802.15.4e"	"IEEE 802.15.4"
7.3.1.2, 1 st paragraph	"IEEE 802.15.4:2011, 7.4.1"	"IEEE 802.15.4-2015, 9.4.1"
7.3.1.2, 4 th paragraph	"IEEE 802.15.4:2011, Table 58"	"IEEE 802.15.4-2015, Table 9-6"
7.3.2.3.2, 1 st paragraph	"IEEE 802.15.4:2011, 7.4.3"	"IEEE 802.15.4-2015, 9.4.3"
7.3.2.4.10, 1 st bullet	"IEEE 802.15.4:2011, 7.3.2"	"IEEE 802.15.4-2015, 9.3.2.1"
7.3.2.5, step i), (4 times)	"IEEE 802.15.4:2011, 7.3.4"	"IEEE 802.15.4-2015, 9.3.4"
7.3.2.5, step i)1)	"IEEE 802.15.4:2011, Table 58"	"IEEE 802.15.4-2015, Table 9-6"
7.3.2.6, step f), (4 times)	"IEEE 802.15.4:2011, 7.3.5"	"IEEE 802.15.4-2015, 9.3.5"
7.3.2.6, step f)1)	"IEEE 802.15.4:2011, Table 58"	"IEEE 802.15.4-2015, Table 9-6"
7.3.2.6, step f)1)	"IEEE 802.15.4:2011, 5.2.2.2.2"	"IEEE 802.15.4-2015, 7.3.2.2"
7.3.2.6, step f)2)	"IEEE 802.15.4:2011, Table 57"	"IEEE 802.15.4-2015, Table 9-5"
7.3.3.8, step i), (4 times)	"IEEE 802.15.4:2011, 7.3.4"	"IEEE 802.15.4-2015, 9.3.4"
7.3.3.8, step i)1)	"IEEE 802.15.4:2011, Table 58"	"IEEE 802.15.4-2015, Table 9-6"
7.3.3.9, step g), (4 times)	"IEEE 802.15.4:2011, 7.3.5"	"IEEE 802.15.4-2015, 9.3.5"

Location	Replace	With
7.3.3.9, step g)1)	"IEEE 802.15.4:2011, Table 58"	"IEEE 802.15.4-2015, Table 9-6"
7.3.3.9, step g)1)	"IEEE 802.15.4:2011, 5.2.2.2.2"	"IEEE 802.15.4-2015, 7.3.2.2"
7.3.3.9, step g)2)	"IEEE 802.15.4:2011, Table 57"	"IEEE 802.15.4-2015, Table 9-5"
8.2.2.5, 3 rd paragraph	"IEEE 802.15.4:2011, 8.1.5"	"IEEE 802.15.4-2015, 10.1.5"
8.2.3.2, 1 st paragraph	"IEEE 802.15.4:2011, Table 66"	"IEEE 802.15.4-2015, Table 10-4"
9.3.2.1, NOTE	"IEEE 802.15.4:2011"	"IEEE 802.15.4-2015"
9.3.2.1, 5 th paragraph	"IEEE 802.15.4:2011"	"IEEE 802.15.4"
9.3.3.1, 1 st paragraph	"IEEE 802.15.4:2011, 5.2.2.2"	"IEEE 802.15.4-2015, 7.3.2"
9.3.3.1, 1 st paragraph	"IEEE 802.15.4:2011, 5.2.1 and 5.2.2.2"	"IEEE 802.15.4-2015, 7.2 and 7.3.2"
9.3.3.1, 2 nd paragraph	"IEEE 802.15.4:2011, 5.2.1.2"	"IEEE 802.15.4-2015, 7.2.2"
9.3.3.1, 3 rd paragraph	"IEEE 802.15.4:2011, 5.2.3"	"IEEE 802.15.4-2015, 7.3.3"
9.3.3.1, 3 rd paragraph	"IEEE 802.15.4:2011, 5.2.1.1.8"	"IEEE 802.15.4-2015, 7.2.1.10"
9.3.3.2, 1 st paragraph	"IEEE 802.15.4:2011, 5.2.1"	"IEEE 802.15.4-2015, 7.2"
9.3.3.2, 1 st paragraph	"IEEE 802.15.4:2011, Figure 35"	"IEEE 802.15.4-2015, Figure 7-1"
9.3.3.2, field a)	"IEEE 802.15.4:2011, 5.2.1.1"	"IEEE 802.15.4-2015, 7.2.1"
11.3.2, 3 rd paragraph	"IEEE 802.15.4:2011, Annex B"	"IEEE 802.15.4-2015, Annex B"
13.11.2.6, d)	"IEEE 802.15.4:2011"	"IEEE 802.15.4"
Table B.5, 3 rd column header	"IEEE 802.15.4:2011"	"IEEE 802.15.4-2015"
H.1.4, 1 st paragraph	"IEEE 802.15.4:2011, B.3.2"	"IEEE 802.15.4-2015, B.3.2"

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In cell d) of the table providing coordinates for the Yokogawa Electric Corporation patent holder, replace "Musashina-shi" with "Musashino-shi".

2 Normative references

Replace reference to IEEE 802.15.4™:2011 with "IEEE Std 802.15.4™-2015², IEEE Standard for Low-Rate Wireless Networks".

4.6.11.1 Overview

Replace the existing NOTE 3 with the following note:

NOTE 3 IEEE 802.15.4 specifies channel hopping and TSCH mechanisms that are similar to, but not identical to, many of the DL mechanisms specified in this document.

Table 7 – ARMO attributes

For attribute 2, 4th column, add "Valid range: –4 to 32 767".

Table 10 – DMO attributes

For attribute 8, 4th column, add "Default value: null string (length zero)".

For attribute 27, 4th column, replace "Default value: 30 s" with "Default value: 248 s".