



Institut luxembourgeois de la normalisation
de l'accréditation, de la sécurité et qualité
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ILNAS-EN 62657-1:2017

Industrial communication networks - Wireless communication networks - Part 1: Wireless communication requirements and spectrum

Réseaux de communication industriels -
Réseaux de communication sans fil -
Partie 1: Exigences de communication
sans fil et considérations relatives au

Industrielle Kommunikationsnetze -
Funk-Kommunikationsnetze - Teil 1:
Anforderungen und Überlegungen zur
Frequenznutzung

10/2017



National Foreword

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Industrial communication networks -
Wireless communication networks -
Part 1: Wireless communication requirements
and spectrum considerations
(IEC 62657-1:2017)

Réseaux de communication industriels - Réseaux de
communication sans fil - Partie 1: Exigences de
communication sans fil et considérations relatives au
spectre
(IEC 62657-1:2017)

Industrielle Kommunikationsnetze - Funk-
Kommunikationsnetze - Teil 1: Anforderungen und
Überlegungen zur Frequenznutzung
(IEC 62657-1:2017)

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European Committee for Electrotechnical Standardization
Comité Européen de Normalisation Electrotechnique
Europäisches Komitee für Elektrotechnische Normung

CEN-CENELEC Management Centre: Avenue Marnix 17, B-1000 Brussels

European foreword

The text of document 65C/874/FDIS, future edition 1 of IEC 62657-1, 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 62657-1:2017.

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) 2018-04-27
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2020-10-27

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In the official version, for Bibliography, the following notes have to be added for the standards indicated:

IEC 61784-1	NOTE	Harmonized as EN 61784-1.
IEC 62479:2010	NOTE	Harmonized as EN 62479:2010 (modified).
IEC 62591	NOTE	Harmonized as EN 62591.
IEC 62601	NOTE	Harmonized as EN 62601.
IEC 62734	NOTE	Harmonized as EN 62734.
IEC 60079-0	NOTE	Harmonized as EN 60079-0.
IEC 60079-11	NOTE	Harmonized as EN 60079-11.
IEC 60079-25	NOTE	Harmonized as EN 60079-25.
ISO/IEC 80079-34:2011	NOTE	Harmonized as ISO/IEC 80079-34:2011 (modified).
IEC 61508	NOTE	Harmonized in EN 61508 series.
IEC 61804-3	NOTE	Harmonized as EN 61804-3.
IEC 62443	NOTE	Harmonized in EN 62443 series.
IEC 62453	NOTE	Harmonized in EN 62453 series.

IEC 62714	NOTE	Harmonized in EN 62714 series.
IEC 62769	NOTE	Harmonized in EN 62769 series.
IEC 62952	NOTE	Harmonized in EN 62952 series.

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 When 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>
IEC 60079-10-1	-	Explosive atmospheres - Part 10-1: Classification of areas - Explosive gas atmospheres	EN 60079-10-1	-
IEC 60079-10-2	-	Explosive atmospheres - Part 10-2: Classification of areas - Explosive dust atmospheres	EN 60079-10-2	-
IEC 61511	series	Functional safety - Safety instrumented systems for the process industry sector	EN 61511	series
IEC 61784-2	-	Industrial communication networks - Profiles - Part 2: Additional fieldbus profiles for real-time networks based on ISO/IEC 8802-3	EN 61784-2	-
IEC 61784-3	-	Industrial communication networks - Profiles - Part 3: Functional safety fieldbuses - General rules and profile definitions	EN 61784-3	-
IEC 62657-2	2017	Industrial communication networks - Wireless communication networks – Part 2: Coexistence management	EN 62657-2	2017
ETSI TR 102 889-2 V1.1.1 (2011-08)	2011	Electromagnetic compatibility and Radio spectrum Matters (ERM); System Reference Document; Short Range Devices (SRD); Part 2: Technical characteristics for SRD equipment for wireless industrial applications using technologies different from Ultra-Wide Band (UWB)	-	-

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
ETSI EN 300 328 V2.1.1 (2016-11)	2016	Wideband transmission systems; Data transmission equipment operating in the 2,4 GHz ISM band and using wide band modulation techniques; Harmonised Standard covering the essential requirements of article 3.2 of Directive 2014/53/EU	-	-



INTERNATIONAL STANDARD

NORME INTERNATIONALE

**Industrial communication networks – Wireless communication networks –
Part 1: Wireless communication requirements and spectrum considerations**

**Réseaux de communication industriels – Réseaux de communication sans fil –
Partie 1: Exigences de communication sans fil et considérations relatives au
spectre**

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