

STN	Priemyselné siete Bezdrôtové komunikačné siete a komunikačné profily WIA-FA	STN EN 62948 18 4020
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Industrial networks - Wireless communication network and communication profiles - WIA-FA

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. 08/18

Obsahuje: EN 62948:2017, IEC 62948:2017

127165

EUROPEAN STANDARD

EN 62948

NORME EUROPÉENNE

EUROPÄISCHE NORM

December 2017

ICS 25.040.40; 35.110

English Version

**Industrial networks - Wireless communication network
and communication profiles - WIA-FA
(IEC 62948:2017)**

Réseaux industriels - Réseau de communication sans fil et
profils de communication - WIA-FA
(IEC 62948:2017)

Industrielle Kommunikationsnetze - Kommunikationsnetze
und Kommunikationsprofile - WIA-FA
(IEC 62948:2017)

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EN 62948:2017**European foreword**

The text of document 65C/877/FDIS, future edition 1 of IEC 62948, 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 62948:2017.

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) 2018-06-01
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IEC 62657-2 NOTE Harmonized as EN 62657-2.

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.

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<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 61588	-	Precision clock synchronization protocol for networked measurement and control systems	-	-
IEEE 802.11	2012	IEEE Standard for Information technology -- Telecommunications and information exchange between systems - Local and metropolitan area networks - Specific requirements - Part 11: Wireless LAN Medium Access Control (MAC) and Physical Layer (PHY) Specifications	-	-



IEC 62948

Edition 1.0 2017-07

INTERNATIONAL STANDARD



Industrial networks – Wireless communication network and communication profiles – WIA-FA





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IEC 62948

Edition 1.0 2017-07

INTERNATIONAL STANDARD



Industrial networks – Wireless communication network and communication profiles – WIA-FA

INTERNATIONAL
ELECTROTECHNICAL
COMMISSION

ICS 25.040.40; 35.110

ISBN 978-2-8322-4607-8

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CONTENTS

FOREWORD.....	12
1 Scope.....	14
2 Normative references	14
3 Terms, definitions, abbreviated terms, and conventions	14
3.1 Terms and definitions.....	14
3.2 Abbreviated terms.....	17
3.3 Conventions.....	19
4 Data coding	20
4.1 Overview.....	20
4.2 Basic data type coding	21
4.2.1 Integer coding.....	21
4.2.2 Unsigned coding	21
4.2.3 Float coding.....	22
4.2.4 Octetstring coding	23
4.2.5 BitField coding.....	23
4.2.6 Bitstring coding.....	24
4.2.7 TimeData coding	24
4.2.8 KeyData coding	25
4.3 Structured data type coding	25
4.3.1 Structure type coding.....	25
4.3.2 List type coding	25
5 WIA-FA overview	25
5.1 Device types	25
5.1.1 General	25
5.1.2 Host computer	25
5.1.3 Gateway device	25
5.1.4 Access device	26
5.1.5 Field device	26
5.1.6 Handheld device.....	26
5.2 Network topology	26
5.3 Protocol architecture.....	27
6 System management	29
6.1 Overview.....	29
6.2 Device Management Application Process.....	30
6.2.1 General	30
6.2.2 Network manager	32
6.2.3 Security manager	32
6.2.4 Network management module.....	32
6.2.5 Security management module.....	32
6.2.6 DMAP state machines	32
6.3 Addressing and address assignment.....	44
6.4 Communication resource allocation.....	45
6.4.1 General	45
6.4.2 Communication resource allocation	45
6.5 Joining and leave process of field device	46
6.5.1 Join process of a field device.....	46

6.5.2	Communication resource allocation to field device	47
6.5.3	Leaving process of a field device	48
6.6	Network performance monitoring.....	49
6.6.1	Device status report.....	49
6.6.2	Channel condition report.....	50
6.7	Management information base and services.....	50
6.7.1	Management information base	50
6.7.2	MIB services.....	61
7	Physical layer	64
7.1	General.....	64
7.2	General requirements based on IEEE STD 802.11-2012	64
7.3	Additional requirements	65
7.3.1	General	65
7.3.2	Frequency band.....	65
7.3.3	Channel bitmap	65
7.3.4	Transmit power.....	67
7.3.5	Data rate	67
8	Data Link Layer	67
8.1	General.....	67
8.1.1	DLL functions	67
8.1.2	Protocol architecture.....	67
8.1.3	WIA-FA superframe	68
8.1.4	Communication based on multiple access devices	70
8.1.5	Time synchronization	72
8.1.6	Frame aggregation/disaggregation.....	73
8.1.7	Fragmentation and reassembly.....	74
8.1.8	Retransmission.....	74
8.2	Data link sub-layer data services	77
8.2.1	General	77
8.2.2	DLDE-DATA.request primitive.....	77
8.2.3	DLDE-DATA.indication primitive	78
8.2.4	Time sequence of DLL data service	79
8.3	Data link sub-layer management services	80
8.3.1	General	80
8.3.2	Network discovery services	81
8.3.3	Time synchronization services	83
8.3.4	Device joining services	85
8.3.5	Device status report services.....	88
8.3.6	Channel condition report services	90
8.3.7	Remote attribute get services	92
8.3.8	Remote attribute set services	96
8.3.9	Device leaving services	100
8.4	DLL frame formats	102
8.4.1	General frame format.....	102
8.4.2	Date frame format.....	103
8.4.3	Aggregation frame format	104
8.4.4	NACK frame format	104
8.4.5	GACK frame format	104
8.4.6	Beacon frame format	105

8.4.7	Join request frame format	106
8.4.8	Join response frame format	106
8.4.9	Leave request frame format	106
8.4.10	Leave response frame format	106
8.4.11	Device status report frame format	106
8.4.12	Channel condition report frame format	107
8.4.13	Time synchronization request frame format	107
8.4.14	Time synchronization response frame format	107
8.4.15	Remote attribute get request frame format	107
8.4.16	Remote attribute get response frame format	108
8.4.17	Remote attribute set request frame format	108
8.4.18	Remote attribute set response frame format	109
8.5	Data link layer state machines	109
8.5.1	DLL state machine of access device	109
8.5.2	DLL state machine of field device	117
8.5.3	Functions used in DLL state machines	123
9	Wired specifications between GW and AD	124
9.1	Overview	124
9.2	Join process of access device	124
9.3	Frame formats between GW and AD	124
9.4	Communication based on multiple access device	127
10	Application Layer	127
10.1	Overview	127
10.2	AL protocol stack	127
10.3	AL functions	128
10.3.1	Data functions	128
10.3.2	Management functions	128
10.3.3	Communication models	129
10.4	Application data	129
10.4.1	General	129
10.4.2	Attribute data	129
10.4.3	Process data	129
10.4.4	Event data	130
10.5	User application process	131
10.5.1	General	131
10.5.2	User application object	132
10.5.3	IO data image on gateway device	132
10.5.4	Alarm mechanism	133
10.5.5	Application configuration	134
10.6	Application services	140
10.6.1	Confirmed services and unconfirmed services	140
10.6.2	Read service	141
10.6.3	Write service	143
10.6.4	Publish service	144
10.6.5	Report service	145
10.6.6	Report ACK service	146
10.6.7	Start service	147
10.6.8	Stop service	148
10.7	Application sub-layer	149

10.7.1	Overview	149
10.7.2	ASL data service	149
10.7.3	ASL management service	152
10.7.4	ASL message format	153
11	Security	172
11.1	General.....	172
11.1.1	Security management architecture.....	172
11.1.2	Security functions	174
11.1.3	Keys	174
11.2	Security services	175
11.2.1	General	175
11.2.2	Key establish service	175
11.2.3	Key update service	178
11.2.4	Security alarm service	180
11.3	Secure join	181
11.3.1	General	181
11.3.2	Secure join process of FD.....	182
11.4	Key management	183
11.4.1	General	183
11.4.2	Key establish process.....	183
11.4.3	Key update process	184
11.5	DLL secure communication	186
11.6	Security alarm.....	187
11.7	Secure frame format	187
11.7.1	General secure DLL frame format	187
11.7.2	Secure aggregation frame format.....	188
11.7.3	Key establish request frame format.....	188
11.7.4	Key establish response frame format	189
11.7.5	Key update request frame format	189
11.7.6	Key update response frame format	189
11.7.7	Security alarm request frame format	190
Annex A	(informative) Security strategy for WIA-FA network	191
A.1	Risk analysis for WIA-FA network	191
A.2	Security principles for WIA-FA network	191
A.3	Security objectives for WIA-FA network	191
A.4	Security grade of WIA-FA network	191
Annex B	(informative) Regional modification for compliance with ETSI standards	193
B.1	General.....	193
B.2	Compliance with ETSI EN 300 440-2 V1.4.1	193
B.3	Compliance with ETSI EN 300 328V1.9.1.....	193
Bibliography	197
Figure 1	– Conventions used for state machines	19
Figure 2	– Integer coding	21
Figure 3	– Unsigned coding	21
Figure 4	– Single float coding	22
Figure 5	– Double float coding	23
Figure 6	– WIA-FA redundant star topology	27

Figure 7 – OSI basic reference model mapped to WIA-FA.....	27
Figure 8 – Protocol architecture of WIA-FA	28
Figure 9 – Data flow over WIA-FA network.....	29
Figure 10 – System management scheme.....	29
Figure 11 – DMAP of management system.....	30
Figure 12 – DMAP state machine of gateway device	33
Figure 13 – DMAP sub-state machine of gateway device for each field device	33
Figure 14 – DMAP state machine of a field device	37
Figure 15 – DMAP state machine of an access device	40
Figure 16 – Long address structure of device.....	45
Figure 17 – Join process of field device	47
Figure 18 – Communication resource allocation process for a field device	48
Figure 19 – Passive leave process of a field device	49
Figure 20 – Device status report process of field device	49
Figure 21 – Channel condition report process of field device	50
Figure 22 – BitMap format.....	66
Figure 23 – WIA-FA DLL protocol architecture	68
Figure 24 – The template of timeslot.....	68
Figure 25 – WIA-FA default superframe	69
Figure 26 – WIA-FA superframe.....	70
Figure 27 – The example of WIA-FA devices multi-channel communication.....	70
Figure 28 – An example of beacon communication based on multiple ADs.....	71
Figure 29 – Process of one-way time synchronization	72
Figure 30 – Process of two-way time synchronization	73
Figure 31 – Aggregation frame payload format.....	74
Figure 32 – Example of NACK-based retransmission mode.....	75
Figure 33 – Example of multi-unicast retransmission mode	76
Figure 34 – Example of multi-broadcast retransmission mode	76
Figure 35 – Example of GACK-based timeslot backoff mode.....	77
Figure 36 – Time sequence of period data service from FD to GW	79
Figure 37 – Time sequence of other data service from FD to GW.....	80
Figure 38 – Time sequence of data service from GW to FD.....	80
Figure 39 – Network discovery process.....	82
Figure 40 – Time synchronization process	85
Figure 41 – Device join process	88
Figure 42 – Device status report process	90
Figure 43 – Channel condition report process	91
Figure 44 – Remote attribute get process	96
Figure 45 – Remote attribute set process.....	100
Figure 46 – Device leave process	101
Figure 47 – General frame format	102
Figure 48 – DLL frame header	102
Figure 49 – DLL frame control format.....	102

Figure 50 – DLL Date frame format.....	103
Figure 51 – DLL Aggregation frame format	104
Figure 52 – NACK frame format	104
Figure 53 – NACK information	104
Figure 54 – GACK frame format.....	104
Figure 55 – GACK_Struct Structure	104
Figure 56 – DLL Beacon frame format.....	105
Figure 57 – Shared timeslot count	105
Figure 58 – DLL join request frame format.....	106
Figure 59 – DLL join request frame format.....	106
Figure 60 – DLL leave request frame format	106
Figure 61 – DLL leave response frame format.....	106
Figure 62 – DLL Device status report frame format	106
Figure 63 – DLL Channel condition report frame format	107
Figure 64 – DLL time synchronization request frame format.....	107
Figure 65 – DLL time synchronization response frame format	107
Figure 66 – DLL Remote attribute get request frame format	108
Figure 67 – DLL remote attribute get response frame format.....	108
Figure 68 – DLL Remote attribute set request frame format	109
Figure 69 – DLL remote attribute set response frame format.....	109
Figure 70 – DLL state machine of access device.....	110
Figure 71 – DLL state machine of field device.....	118
Figure 72 – General frame format between GW and AD.....	124
Figure 73 – AL within the protocol architecture of WIA-FA	128
Figure 74 – The relationships between UAPs and DAPs	132
Figure 75 – User application objects in a field device.....	132
Figure 76 – Example of IO data images on the gateway device.....	133
Figure 77 – C/S VCR relationships between GW and FDs.....	136
Figure 78 – P/S VCR relationships between GW and FDs.....	137
Figure 79 – R/S VCR relationships between GW and FDs.....	138
Figure 80 – Application configuration procedure for a field device.....	139
Figure 81 – Example of UAO data aggregation and disaggregation process.....	140
Figure 82 – Read request message format.....	141
Figure 83 – Read positive response message format	142
Figure 84 – Read negative response message format.....	142
Figure 85 – Read service process.....	143
Figure 86 – Write request message format.....	143
Figure 87 – Write negative response message format.....	143
Figure 88 – Write service process.....	144
Figure 89 – Publish request message format	145
Figure 90 – Publish process from FD to GW	145
Figure 91 – Publish process from GW to FD	145
Figure 92 – Report request message format	145

Figure 93 – Report service process.....	146
Figure 94 – Report ACK request message format	146
Figure 95 – Report ACK positive response message format.....	146
Figure 96 – Report ACK negative response message format.....	147
Figure 97 – Report ACK service process.....	147
Figure 98 – Start service process.....	148
Figure 99 – Stop service process	149
Figure 100 – ASL general message format	153
Figure 101 – Format of Message control field	153
Figure 102 – Confirmed application service primitives among layers	155
Figure 103 – Unconfirmed application service primitives among layers	156
Figure 104 – ASL management service primitives between ASL and UAP.....	156
Figure 105 – State transition diagram of AMCL	157
Figure 106 – State transition diagram of AMSV	159
Figure 107 – State transition diagram of AMPB.....	162
Figure 108 – State transitions diagram of AMSB	165
Figure 109 – State transitions diagram of AMRS	168
Figure 110 – State transitions diagram of AMRK.....	169
Figure 111 – Security management architecture	173
Figure 112 – Life cycle of keys.....	175
Figure 113 – Format of NONCE	176
Figure 114 – Time sequence of key establishment.....	178
Figure 115 – Time sequence of key updating	180
Figure 116 – SecAlarmt_Struct structure.....	180
Figure 117 – Time sequence of security alarm	181
Figure 118 – Secure join process of field device	183
Figure 119 – Key establish process for field device.....	184
Figure 120 – Key update state machine for FD	185
Figure 121 – General secure DLL frame format.....	187
Figure 122 – Secure aggregation frame format	188
Figure 123 – Key establish request frame format	189
Figure 124 – Key establish response frame format.....	189
Figure 125 – Key update request frame format	189
Figure 126 – Key update response frame format.....	189
Figure 127 – Security alarm request frame format.....	190
Figure B.1 – Timeslot timing template	194
Table 1 – Conventions used for state transitions	20
Table 2 – Integer16 coding	21
Table 3 – Unsigned16 coding.....	22
Table 4 – Octetstring coding	23
Table 5 – Coding of BitField8 data with one octet	24
Table 6 – Coding of BitField16 data with two octets	24

Table 7 – Coding of BitField24 data with three octets.....	24
Table 8 – Bitstring coding	24
Table 9 – Network management functions.....	31
Table 10 – Security management functions.....	31
Table 11 – DMAP state transition of gateway device.....	33
Table 12 – DMAP sub-state transition of gateway device for each field device	34
Table 13 – DMAP state transition of a field device	37
Table 14 – DMAP state transition of an access device	40
Table 15 – Functions used in DMAP state machines.....	43
Table 16 – Unstructured attributes	51
Table 17 – Structured attributes.....	54
Table 18 – Superframe_StructStructure	54
Table 19 – Link_Struct Structure.....	55
Table 20 – ChanCon_Struct Structure.....	56
Table 21 – Device_Struct Structure.....	56
Table 22 – Key_Struct Structure	57
Table 23 – VcrEP_StructStructure	58
Table 24 – UAOCClassDesc_Struct Structure	59
Table 25 – ProDataDesc_Struct Structure.....	60
Table 26 – UAOInstDesc_Struct Structure	61
Table 27 – DMAP-MIB-GET.request parameters	62
Table 28 – DMAP-MIB-GET.confirm parameters	62
Table 29 – DMAP-MIB-SET.request parameters	63
Table 30 – DMAP-MIB-SET.confirm parameters.....	64
Table 31 – PHY protocol selection	64
Table 32 – Coding of Modulation modes	66
Table 33 – Channel indices.....	66
Table 34 – Data rate	67
Table 35 – Parameters of timeslot template	69
Table 36 – DLDE-DATA.request primitive parameters.....	78
Table 37 – DLDE-DATA.indication primitive parameters.....	79
Table 38 – Management services.....	81
Table 39 – DLME-DISCOVERY.request parameters.....	81
Table 40 – DLME-DISCOVERY.confirm parameters.....	82
Table 41 – BeaconDescription_Struct parameters.....	82
Table 42 – DLME-TIME-SYN.indication parameters	83
Table 43 – DLME-TIME-SYN.response parameters.....	84
Table 44 – DLME-TIME-SYN.confirm parameters	84
Table 45 – DLME-JOIN.request parameters.....	86
Table 46 – DLME-JOIN.indication parameters.....	86
Table 47 – DLME-JOIN.response parameters	87
Table 48 – DLME-JOIN.confirm parameters	87
Table 49 – DLME-DEVICE-STATUS.request parameters	89

Table 50 – DLME-DEVICE -STATUS.indication parameters	89
Table 51 – DLME-DEVICE -STATUS.confirm parameters	89
Table 52 – DLME-CHANNEL-CONDITION.request parameters	90
Table 53 – DLME-CHANNEL-CONDITION.indication parameters	91
Table 54 – DLME-CHANNEL-CONDITION.confirm parameters	91
Table 55 – DLME-INFO-GET.request parameters	92
Table 56 – DLME-INFO-GET.indication parameters	93
Table 57 – DLME-INFO-GET.response parameters	94
Table 58 – DLME-INFO-GET.confirm parameters	95
Table 59 – DLME-INFO-SET.request parameters	97
Table 60 – DLME-INFO-SET.indication parameters	98
Table 61 – DLME-INFO-SET.response parameters	98
Table 62 – DLME-INFO-SET.confirm parameters	99
Table 63 – DLME-LEAVE.request parameters	100
Table 64 – DLME-LEAVE.confirm parameters	101
Table 65 – Frame type coding	103
Table 66 – Addressing mode subfields	103
Table 67 – DLL state transition of access device	110
Table 68 – DLL state transition of field device	118
Table 69 – Functions used in DLL state machines	124
Table 70 – Frames between GW and AD	125
Table 71 – Payload of AD join request frame	126
Table 72 – Payload of AD join response frame	126
Table 73 – Payload of GW requesting AD to send GACK	127
Table 74 – Definition of GACKInfo_Struct	127
Table 75 – Payload of GW requesting AD to send NACK	127
Table 76 – Communication models between gateway device and field devices	129
Table 77 –EventData definition	130
Table 78 – UAO events definitions	131
Table 79 – VCR attribute configuration for a field device	135
Table 80 – Application services used by UAPs	141
Table 81 – Error code definition for Read negative response message	142
Table 82 – Error code definition for Write negative response message	144
Table 83 – Error code definition for Report ACK negative response	147
Table 84 – ASLDE-DATA.request primitive parameter definitions	150
Table 85 – ASLDE-DATA.indication primitive parameter definitions	150
Table 86 – ASLDE-DATA.response primitive parameter definitions	151
Table 87 – ASLDE-DATA.confirm primitive parameter definitions	151
Table 88 – ASLME-VcrActive.request primitive parameter definitions	152
Table 89 – ASLME-VcrDeactive.request primitive parameter definitions	152
Table 90 – ASLME-SignalEvent.request primitive parameter definitions	153
Table 91 – Service Identifier subfield definition	154
Table 92 – Message Type subfield definition	154

Table 93 – Confirmed service primitives exchanged between ASL and other layers	155
Table 94 – Unconfirmed service primitives exchanged between ASL and other layers.....	156
Table 95 – ASL management service primitives between ASL and UAP	157
Table 96 – State transition table of AMCL	158
Table 97 – State transition table of AMSV	160
Table 98 – State transition table of AMPB	162
Table 99 – State transitions table of AMSB	166
Table 100 – State transitions table of AMRS	169
Table 101 – State transitions table of AMRK	170
Table 102 – All Functions used in ASLM	171
Table 103 – Parameters for KEY-ESTABLISH.request	176
Table 104 – KeyMaterial_Struct structure	176
Table 105 – Parameters for KEY-ESTABLISH.indication	177
Table 106 – Parameters for KEY-ESTABLISH.response	177
Table 107 – Parameters for KEY-ESTABLISH.confirm	177
Table 108 – Parameters for KEY-UPDATE.request	178
Table 109 – Parameters for KEY-UPDATE.indication	179
Table 110 – Parameters for KEY-UPDATE.response	179
Table 111 – Parameters for KEY-UPDATE.confirm	179
Table 112 – Parameters for SEC-ALARM.request	180
Table 113 – Parameters for SEC-ALARM.indication	181
Table 114 – Key update states.....	184
Table 115 – Key update state transition	185
Table 116 – Keys used in DLL secure communication.....	186
Table 117 – Available security levels for DLL	188
Table A.1 – Security grades for WIA-FA network.....	192
Table B.1 – Applicable EN 300 440-2 requirements list.....	193
Table B.2 – Applicable EN 300 328 requirements list	194
Table B.3 – Timeslot timing definitions and calculations.....	195
Table B.4 – TxMaxPHYPacket of FHSS	195
Table B.5 – TxMaxPHYPacket of DSSS/HR-DSSS.....	195
Table B.6 – TxMaxMPDU of OFDM	196

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AND COMMUNICATION PROFILES – WIA-FA**

FOREWORD

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International Standard IEC 62948 has been prepared by subcommittee 65C: Industrial networks, of IEC technical committee 65: Industrial-process measurement, control and automation. The text of this standard is based on the following documents:

This first edition cancels and replaces the IEC PAS 62948 published in 2015. This edition constitutes a technical revision.

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

FDIS	Report on voting
65C/877/FDIS	65C/885/RVD

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

This publication has been drafted in accordance with the ISO/IEC Directives, Part 2.

The committee has decided that the contents of this 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.

A bilingual version of this publication may be issued at a later date.

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INDUSTRIAL NETWORKS – WIRELESS COMMUNICATION NETWORK AND COMMUNICATION PROFILES – WIA-FA

1 Scope

This International Standard specifies the system architecture and communication protocol of WIA-FA (Wireless Networks for Industrial Automation – Factory Automation) based on IEEE STD 802.11-2012 physical layer (PHY).

This document applies to wireless network systems for factory automation measuring, monitoring and control.

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 61588, *Precision clock synchronization protocol for networked measurement and control systems*

IEEE STD 802.11-2012, *IEEE Standard for Information technology – Telecommunications and information exchange between systems – Local and metropolitan area networks – Specific requirements – Part 11: Wireless LAN Medium Access Control (MAC) and Physical Layer (PHY) specifications*

koniec náhľadu – text ďalej pokračuje v platenej verzii STN