INTERNATIONAL ELECTROTECHNICAL COMMISSION

TC65: **INDUSTRIAL PROCESS MEASUREMENT, CONTROL AND AUTOMATION**

SC65C: **INDUSTRIAL NETWORKS**

List of decisions taken at the Plenary meeting of SC 65C, held in Calgary (CA) and virtually on 2024-09-10

This document provides the list of actions and decisions taken at the SC65C Plenary meeting held in Calgary (CA) and virtually on 10 September 2024 by NC delegates having attended the meeting, including:

- list of resolutions voted upon during the meeting;
- list of actions decided during the meeting;
- revisions to the work program since July 17th, 2024 (recorded in document 65C/1320/INF provided in the meeting package);
- revisions to the project plans made during the meeting
- revised versions of the maintenance list (stability dates) and liaison list.

Revisions in the work program and project plans are indicated as follows:

- IEC SEC updates made after July 17th, 2024 in **blue**;
- revisions made during the meeting in **red**.

Revisions to the maintenance list (stability dates) and liaison list are indicated in **red**.

The revised work program will be attached to the upcoming SMB report.

Respectfully submitted,

Best Regards,

Valérie DEMASSIEUX

SC65C Secretary

DECISIONS TAKEN DURING THE MEETING

Resolutions and actions specific to SC65C

Action # 2024-01 (agenda item #5) – from Resolution # 2023-02

SC65C Secretariat to create an ad hoc Group to develop an NP for handling cybersecurity in communication systems (successor of former SC65C/WG13), with the goal to start preliminary work on a future project IEC 61784-6-x.

Resolution # 2024-01 (agenda item #6.1) – former 2024-P01

SC65C authorizes WG9 to start maintenance of the IEC 61158, IEC 61784-1, and IEC 61784-2 series, according to the results of a future Questionnaire proposing which parts should be confirmed, revised or withdrawn. NP and revision requests made after the deadline date defined during the kick-off meeting of WG9 will be postponed to a future 2033 edition to synchronize all parts of these series, as it was done for the past editions.

Yes: Unanimous

Resolution # 2024-02 (agenda item #6.1) – former 2024-P02

SC65C grants permission to WG9 to transform IEC 61158-2 into a subseries with the following title: "Industrial (communication) networks - Fieldbus specifications - Part 2-X: Physical layer specification and service definition - Type X elements"
where X represents the Type number of the technology.

Yes: Unanimous

Resolution # 2024-03 (agenda item #6.1) – former 2024-P03

SC65C grants permission to WG9 to skip the CD phase for the next revision cycle of the IEC 61158, IEC 61784-1, and IEC 61784-2 series, provided that there are no significant changes from previously published documents.

Yes: Unanimous

Resolution # 2024-04 (agenda item #6.2) – former 2024-P04

SC65C approves the JWG10 proposal to set the stability dates of all parts of the IEC 61784-5 series to 2028.

Yes: Unanimous

Resolution # 2024-05 (agenda item #6.2) – former 2024-P05

SC65C authorizes JWG10 to start maintenance of IEC 61918 and the IEC 61784-5 series, according to the results of a future Questionnaire proposing which parts should be confirmed, revised or withdrawn.

Yes: Unanimous

Resolution # 2024-06 (agenda item #6.2) – former 2024-P06

SC65C grants permission to JWG10 to skip the CD phase for the next revision cycle of IEC 61918 and the IEC 61784-5 series, provided that there are no significant changes from previously published documents.

Yes: Unanimous

Resolution # 2024-07 (agenda item #6.3) – former 2024-P07

SC65C authorizes WG12 to start maintenance of the IEC 61784-3 series, according to the results of a future Questionnaire proposing which parts should be confirmed, revised or withdrawn.

Yes: Unanimous

Resolution # 2024-08 (agenda item #6.3) – former 2024-P08

SC65C authorizes to propose for withdrawal during the start of the next maintenance cycle those parts of the IEC 61784-3 series whose certificate of conformity with IEC 61784-3 has expired, and whose technology providers have no intent of renewing it.

Background: Significant updates have been made in the latest editions of IEC 61784-3, which may compromise the capability of outdated technologies to comply with it.

Yes: Unanimous

Resolution # 2024-09 (agenda item #6.3) – former 2024-P09

SC65C grants permission to WG12 to skip the CD phase for the next revision cycle of the IEC 61784 3 series (i.e. the technology specific parts), provided that there are no significant changes from previously published documents.

Yes: Unanimous

Resolution # 2024-10 (agenda item #6.3) – NEW

SC65C grants permission to WG12 to renumber IEC 61784-3 as IEC 61784-3-0 during the next maintenance cycle.

Yes: Unanimous

Resolution # 2024-11 (agenda item #6.4) – former 2024-P10

SC65C approves the WG15 proposal to set the stability dates of all explicitly confirmed or revised parts of the IEC 62439 series to 2028.

Yes: Unanimous

Resolution # 2024-12 (agenda item #6.4) – former 2024-P11

SC65C authorizes WG15 to start maintenance of the IEC 62439 series, according to the results of a future Questionnaire proposing which parts should be confirmed, revised or withdrawn.

Yes: Unanimous

Resolution # 2024-13 (agenda item #6.4) – former 2024-P12

SC65C grants permission to WG15 to skip the CD phase for the next revision cycle of the IEC 62439-x series, provided that there are no significant changes from previously published documents.

Yes: Unanimous

Resolution # 2024-14 (agenda item #6.4) – former 2024-P13

The Chinese NC is invited to nominate a document editor for IEC 62439-6 before 2025-03-15 to review and indicate maintenance needs, as well as to support the conversion of this part to the OSD (Online Standards Development platform). If no responsible editor is assigned, IEC 62439-6 may be proposed for withdrawal in the next maintenance cycle.

Yes: Unanimous

Resolution # 2024-15 (agenda item #6.6) – former 2024-P14

SC65C approves the WG17 proposal to set the stability dates of all parts of the IEC 62657 series to 2028.

Yes: Unanimous

Resolution # 2024-16 (agenda item #6.7) – former 2024-P15

SC65C approves the WG18 proposal to change target dates of the IEC/IEEE 60802 project as follows:
 FDIS:2025-08, IS:2025-11.
As this is one of the projects affected by the 5-year duration rule, SMB should be notified of these new dates.

Yes: Unanimous

Resolution # 2024-17 (agenda item #6.7) – former 2024-P16

SC65C approves the WG18 proposal to put the project IEC 61802 "on hold" until contributions for the project are available.

NOTE   The anticipated contribution for a CD is at the end of 2025. This is 5 years after the project started, therefore the project will be automatically cancelled by SMB end 2025. The statement "to put the project IEC 61802 on hold" means that the project will be cancelled (deleted), but the project number will be kept for a second NP on this matter, which will be launched when contributions for the project are available.

Yes: Unanimous

Resolution # 2024-18 (agenda item #6.8) – former 2024-P17

SC65C approves the PT 61139-2 proposal to extend the stability date of IEC 61139-2 to 2027.

Yes: Unanimous

Resolution # 2024-19 (agenda item #6.8) – former 2024-P18

SC65C requests that PT 61139-2 be disbanded. If a revision of IEC 61139-2 is needed in the future, a dedicated maintenance team (MT 61139-2) will be created.

Background: Work on IEC 61139-2 has completed with publication of the standard in August 2022. However, since a new edition of IEC 61784-3 may show new requirements relevant for this standard, a new MT 61139-2 would be in charge of these issues.

Yes: Unanimous

Resolution # 2024-20 (agenda item #6.9) – former 2024-P19

SC65C requests that PT 63444 be converted to a maintenance team (MT 63444).

Yes: Unanimous

Resolution # 2024-21 (agenda item #6.9) – former 2024-P20

SC65C authorizes MT 63444 to start maintenance of IEC TS 63444 to develop an Edition 2 before it is converted to an International Standard by incorporating the contents in the IEC 61158:2028 series as well as in IEC 61918:2028 and the associated profiles in the IEC 61784-5:2028 series.

Yes: Unanimous

Resolution # 2024-22 (agenda item #7.1) – NEW

SC65C approves the work program as reviewed during the meeting (confirmed or revised project dates).

Yes: Unanimous

Resolution # 2024-23 (agenda item #7.2) – NEW

SC65C approves stability dates as reviewed during the meeting (confirmed or revised).

Yes: Unanimous

Resolution # 2024-24 (agenda item #7.2) – NEW

SC65C asks IEC SEC to withdraw IEC 60488-1 (Higher performance protocol for the standard digital interface for programmable instrumentation - Part 1: General) and IEC 60488-2 (Standard digital interface for programmable instrumentation - Part 2: Codes, formats, protocols and common commands).

Background: These two standards were adopted from IEEE in 2004 and were never revised. IEEE inactivated the corresponding IEEE 488.1 standard in 2020-03, the IEEE 488.2 standard on 2021-03.

Yes: Unanimous

Resolution # 2024-25 (agenda item #7.3) – NEW

SC65C approves liaisons and liaison officers as reviewed during the meeting (confirmed or revised).

Yes: Unanimous

Resolution # 2024-26 (agenda item #7.3) – NEW

SC65C approves the WG17 proposal to remove the inactive C-liaison between WG 17 and ISA100 if they do not confirm to the SC65C Secretary their intent to actively participate in the work.

Yes: Unanimous

Resolution # 2024-27 (agenda item #7.3) – NEW

SC65C approves the WG18 proposal to remove the inactive C-liaison between WG 18 and AVNU Alliance if they do not confirm to the SC65C Secretary their intent to actively participate in the work.

Yes: Unanimous

Resolution # 2024-28 (agenda item #7.4) – former 2024-P21

SC65C reconfirms the following convenors and project leaders for the next 3 years (until 2027-09):
 - WG9:   Dieter Pröll
 - JWG10:   Francesco Russo and Bernd Horrmeyer
 - WG12:   Valérie Demassieux
 - WG15:   Günter Hörcher
 - WG17:   Ludwig Winkel
 - WG18:   Ludwig Winkel
 - MT 63444   Ludwig Winkel

A new convenor will need to be nominated for WG16, and possibly WG12.

Yes: Unanimous

Resolution # 2024-29 (agenda item #8) – NEW

SC65C requests IEC SEC to contact the following P-members to remind them of their obligations (see ISO/IEC Directives Part 1, 1.7.4):
Sweden, United Arab Emirates

Yes: Unanimous

Resolution # 2024-30 (agenda item #8) – NEW

SC65C encourages increased participation from the following P-members, because they have been observed as not attending some of the last three IEC/SC65C plenary meetings, and/or have no or very limited active contribution to work:
Belgium, Iran, Malaysia, Netherlands, Poland, Spain, Thailand

Yes: Unanimous

Resolutions requiring actions from TC65

Resolution # 2024-31 (agenda item #11.3) – NEW

SC65C asks IEC SEC (SMB) for the reasons detailed in the background below to exempt the upcoming revision of the Fieldbus series (IEC 61158, IEC 61784-1, -2, -3, -5, IEC 61918) from using the OSD. Project leaders and editors will use this maintenance cycle to become familiar with the OSD and follow recommendations from IEC SEC to facilitate future conversion of their documents to OSD.

Background:
These series comprise a very large number of lengthy documents, all interrelated and with many different editors.
Most of these documents are derived from contents developed by the various consortia in liaison and provided in Word format. Exchange of updates with these consortia would be more complex.
Both the conversion and training processes will require additional time and workload to complete the revision cycle, causing potential unpredictable delay rather than the intended reduction in development efforts.

Yes: Unanimous

PROGRAMME OF WORK

Project Reference	Title	Document Reference	Init. Date	Current Stage Date	Current Stage	Next Stage Date	Next Stage	Working Group	Project Leader	Fcst. Publ. Date	Notes
IEC 61784-3-19 ED1	Industrial communication networks – Profiles – Part 3-19: Functional safety fieldbuses – Additional specifications for CPF 19	65C/1276/CDV	2023-01	2024-06	RPUB	2024-09	BPUB	WG 12	Yuki Terada	2024-09	
IEC 62541-15 ED1	OPC Unified Architecture - Part 15: Safety	65C/1292/CDV	2023-06	**2024-08**	**RFDIS**	**2024-11**	**CFDIS**	WG 12	Christian Eitner	**2025-01**	
IEC PAS 63595 ED1	Industrial networks – 5G communication technology – General considerations	**65C/1305/CD**	**2024-07**	**2024-07**	**CD**	**2024-09**	**PCC**	WG 16	Ludwig Winkel, Ding Lu	**2024-11**	
IEC 62657-2 ED4	Industrial networks - Coexistence of wireless systems - Part 2: Coexistence management	65C/1278/CDV	2023-02	**2024-07**	**RFDIS**	**2024-10**	**CFDIS**	WG 17	Ludwig Winkel	**2024-12**	
IEC 62657-4 ED2	Industrial networks - Coexistence of wireless systems - Part 4: Coexistence management with central coordination of wireless applications	65C/1286/CDV	2023-02	**2024-07**	**RFDIS**	**2024-10**	**CFDIS**	WG 17	Ludwig Winkel	**2024-12**	
IEC/IEEE 60802 ED1	Time-sensitive networking profile for industrial automation	**65C/1302A/CDV**	**2020-12**	**2024-08**	**CCDV**	**2024-10**	**PRVC**	WG 18	Ludwig Winkel	**2025-08**	**N1**
IEC 61802 ED1	Test specification for IEC/IEEE 60802	65C/1047/NP	2020-11	2020-11	ACD	2024-05	CD	WG 18	Ludwig Winkel	**2025-09**	

NOTE:

N1: The initial date of this project (2017-07) has been postponed to 2020-12 by IEC SEC to avoid automatic cancellation under the 5 years rule, according to the exemption granted for joint projects with IEEE.

PROJECT PLANS

Working Group	Project Reference	Title	Init. Date	Committee Date	Enquiry Date	Approval Date	Publication. Date
WG 12	IEC 61784-3-19 ED1	Industrial communication networks – Profiles – Part 3-19: Functional safety fieldbuses – Additional specifications for CPF 19	2023-01	2023-04-28	2023-12-22	2024-08-30	**2024-12-31**
WG 12	IEC 62541-15 ED1	OPC Unified Architecture - Part 15: Safety	2023-06	2023-09-29	2024-03-29	2024-08-30	2025-12-26
WG 16	IEC PAS 63595 ED1	Industrial networks – 5G communication technology – General considerations	2024-07				
WG 17	IEC 62657-2 ED4	Industrial networks – Coexistence of wireless systems - Part 2: Coexistence management	2023-02	2023-05-26	2023-12-01	2024-06-28	2025-01-31
WG 17	IEC 62657-4 ED2	Industrial networks – Coexistence of wireless systems - Part 4: Coexistence management with central coordination of wireless applications	2023-02	2023-05-26	2024-01-26	2024-06-28	2025-01-31
WG 18	IEC/IEEE 60802 ED1	Time-sensitive networking profile for industrial automation	2020-12	2023-09-01	2024-08-09	**2025-08**	**2025-12**
WG 18	IEC 61802 ED1	Test specification for IEC/IEEE 60802	2020-11	~~2024-05-31~~	~~2023-12-29~~	~~2025-10~~	~~2024-12-27~~

MAINTENANCE LIST

Publication	Pub. Date	Stability Date	Status	Responsibility
IEC 60488-1: Higher performance protocol for the standard digital interface for programmable instrumentation - Part 1: General				
IEC 60488-1 Ed. 1.0	2004-07	2024	65C/629/RR (IEEE has inactivated the IEEE 488.1 standard on 2020-03, withdrawal at Plenary)	SC65C Secretariat, coordinated with IEEE BOG/SCC20 - SCC20
IEC 60488-2: Standard digital interface for programmable instrumentation - Part 2: Codes, formats, protocols and common commands				
IEC 60488-2 Ed. 1.0	2004-05	2024	65C/630/RR (IEEE has inactivated the IEEE 488.2 standard on 2021-03, withdrawal at Plenary)	SC65C Secretariat, coordinated with IEEE BOG/SCC20 - SCC20
IEC 61588: Precision clock synchronization protocol for networked measurement and control systems				
IEC 61588 Ed. 3.0	2021-06	2026	Confirmed (no update of IEEE 1588 since 2019)	SC65C Secretariat, coordinated with IEEE IM/ST - TC9 (1588 WG and project P1588)
IEC 61158 series, IEC 61784-1&-2: Industrial communication networks - Fieldbus specifications & profiles				
IEC 61158-1 Ed. 3.0	2023-03	2028	Published recently	WG9
IEC 61158-2 Ed. 7.0	2023-03	2028	Published recently	WG9
IEC 61158-3-x	2023-03 (..2007-12)	2028	Published recently or confirmed	WG9
IEC 61158-4-x	2023-03 (..2007-12)	2028	Published recently or confirmed	WG9
IEC 61158-5-x	2023-03 (..2007-12)	2028	Published recently or confirmed	WG9
IEC 61158-6-x	2023-03 (..2007-12)	2028	Published recently or confirmed	WG9
IEC 61784-1-x Ed. 1.0	2023-03	2028	Published recently	WG9
IEC 61784-2-x Ed. 1.0	2023-03	2028	Published recently	WG9
IEC 61918, IEC 61784-5 series: Industrial communication networks - Installation of industrial networks (fieldbus)				
IEC 61918 Ed. 4.0 --- Amd1 --- Amd2	2018-09 2022-03-09 2024-03	2028	Published recently	JWG10
IEC 61784-5-x	2024-03 (..2010-07)	2028 *(2024)* *(2028)*	Published recently or confirmed	JWG10
IEC 61784-3 series: Industrial communication networks - Profiles - Part 3: Functional safety fieldbuses				
IEC 61784-3 Ed. 4.0 --- Amd1	2021-02 2024-04	2026	Published recently	WG12
IEC 61784-3-x	2021-05 (..2010-06)	2026	Published recently or confirmed	WG12

IEC 62439 series: Industrial communication networks - High availability automation networks				
IEC 62439-1 Ed. 1.0 --- Amd1 --- Amd2	2010-02 2012-06 2016-02	~~2025~~ **2028**	Confirmed	WG15
IEC 62439-2 Ed. 3.0 --- Cor1	2021-12 2023-04	~~2025~~ **2028**	Published recently	WG15
IEC 62439-3 Ed. 4.0 --- Cor1	2021-12 2023-03	~~2025~~ **2028**	Published recently	WG15
IEC 62439-4 Ed. 1.0 --- Amd1	2010-02 2012-02	~~2025~~ **2028**	Confirmed	WG15
IEC 62439-6 Ed. 1.0	2010-02	~~2025~~ **2028** **(or withdraw)**	Confirmed	WG15
IEC 62439-7 Ed. 1.0 --- Cor1	2011-12 2015-05	~~2025~~ **2028**	Confirmed	WG15
IEC 62591: Industrial communication networks - Wireless communication network and communication profiles – WirelessHART				
IEC 62591 Ed. 2.0 --- Cor1	2016-03 2021-03	2027	Confirmed	WG16
IEC 62601: Industrial communication networks - Fieldbus specifications - WIA-PA communication network and communication profile				
IEC 62601 Ed. 2.0 --- Cor1	2015-12 2021-03	2027	Confirmed	WG16
IEC 62734: Industrial communication networks - Fieldbus specifications - Wireless Systems for Industrial Automation: Process Control and Related Applications (based on ISA 100.11a)				
IEC 62734 Ed. 1.0 --- Amd1	2014-10 2019-07	2027	Confirmed	WG16
IEC 62948: Industrial networks - Wireless communication network and communication profiles - WIA-FA				
IEC 62948 Ed. 1.0 --- Cor1	2017-07 2021-03	2027	Confirmed	WG16
IEC 61139-3: Industrial networks - Single-drop digital communication interface - Part 3: Wireless extensions				
IEC 61139-3 Ed. 1.0	2023-11	2027	Published recently	WG16
IEC PAS 63595: Industrial networks - 5G communication technology - General considerations				
IEC PAS 63595 Ed. 1.0	N/A	N/A	Project just triggered	WG16
IEC 62657-1: Industrial communication networks - Wireless communication network - Part 1: Wireless communication requirements and spectrum considerations				
IEC 62657-1 Ed. 1.0	2017-06	~~2025~~ **2028**	Confirmed	WG17
IEC 62657-2: Industrial communication networks – Industrial communication networks – Coexistence of wireless systems - Part 2: Coexistence management				
IEC 62657-2 Ed. 3.0	2022-06	2025 *(2028)*	65C/1248/RR	WG17
IEC 62657-3: Industrial communication networks – Coexistence of wireless systems – Part 3: Formal description of the automated coexistence management and application guidance				
IEC 62657-3 Ed. 1.0	2022-05	~~2025~~ **2028**	Published recently	WG17
IEC 62657-4: Industrial communication networks – Coexistence of wireless systems – Part 4: Coexistence management with central coordination of wireless applications				
IEC 62657-4 Ed. 1.0	2022-05	2025 *(2028)*	65C/1247/RR	WG17
IEC/IEEE 60802: Time-sensitive networking profile for industrial automation				
IEC/IEEE 60802 Ed. 1.0	N/A	N/A	65C/875/NP	WG18, coordinated with IEEE 802.1

IEC 61802: Test specification for IEC/IEEE 60802				
IEC 60802 Ed. 1.0	N/A	N/A	65C/1047/NP	WG18
IEC 61139-2: Industrial networks - Single-drop digital communication interface - Part 2: Functional safety extensions				
IEC 61139-2 Ed. 1.0	2022-08	~~2025~~ 2027	Published recently	WG12/PT61139-2
IEC TS 63444: Industrial networks – Ethernet-APL Port Profile Specification				
IEC TS 63444 Ed. 1.0	2023-11	2026	Published recently	PT63444

INTERNAL IEC LIAISONS

IEC	SC22G	Adjustable speed electric drive systems incorporating semiconductor power converters	In: Andreas Uhl Out: Valérie DEMASSIEUX
	TC44 *(MT62061)*	Safety of machinery - Electrotechnical aspects	*Wolfgang REINELT* *(WG level only)*
	TC46	Cables, wires, waveguides, RF connectors, RF and microwave passive components and accessories	In: James WITHEY Out: Francesco RUSSO
	SC46C	Wires and symmetric cables	In: James WITHEY Out: Francesco RUSSO
	SC48B	Electrical connectors	In/Out: Bernd HORRMEYER
	TC57	Power systems management and associated information exchange	In/Out: Maik Seewald
	SC65A	System aspects	In: Ron BELL, ~~Audrey CANNING~~ Out: ~~Audrey CANNING~~
	SC86B	Fibre optic interconnecting devices and passive components	In/Out: Bernd HORRMEYER
	SC121A	Low voltage switchgear and controlgear	Document exchange
	SC6	Telecommunications and information exchange between systems	Document exchange
JTC1	SC25 (WG3)	Interconnection of information technology equipment *Customer premises cabling*	In: Rainer SCHMIDT **Mr Matthias Fritsche** Out: Bernd HORRMEYER Francesco RUSSO *(In: Bernd HORRMEYER)*
ISO	TC299	Robotics	In: Bernd HORRMEYER

NOTE: Audrey Canning indicated during the SC65A meeting scheduled after the SC65C meeting that she was not able to continue as SC65A liaison representative.

LIAISONS C

WG18	**AVNU ALLIANCE**	SMB/6238/QP Approved SMB/6238A/RV SMB/7081/QP (transfer) Approved SMB/7081A/RV	2017-10-20 2020-08-18	**??? (representative has left)**
WG9	**CC-LINK**	SMB/3053/QP Approved SMB/3053A/RV	2005-07-11	Takenori Baba Peter Dabringhaus
JWG10 WG12		SMB/3456/QP Approved SMB/3456A/RV	2007-05-30	Takenori Baba Peter Dabringhaus
WG18		SMB/7081/QP Approved SMB/7081A/RV	2020-08-18	Takenori Baba Peter Dabringhaus Christophe Mangin
WG12	**EtherCAT Technology Group**	SMB/2875/QP Approved SMB/2875A/RV	2004-09-01	Guido Beckmann
WG9		SMB/3012A/QP Approved SMB/3012B/RV	2005-05-04	Guido Beckmann Florian Essler
JWG10		SMB/3771/QP Approved SMB/3771A/RV	2008-08-08	Martin Rostan
WG18		SMB/7081/QP Approved SMB/7081A/RV	2020-08-18	Guido Beckmann Florian Essler
WG9	**FieldComm Group**	SMB/3053/QP Approved SMB/3053A/RV SMB/3769/QP Approved SMB/3769A/RV	2005-07-11 2008-08-11	Stephen Mitschke Mark Nixon Wally Pratt
JWG10 WG12		SMB/3053/QP Approved SMB/3053A/RV	2005-07-11	Stephen Mitschke John Gabler
WG16		SMB/3769/QP Approved SMB/3769A/RV	2008-08-11	Mark Nixon
WG18		SMB/7118/QP Approved SMB/7118A/RV	2020-10-27	Mark Nixon Sean Vincent
WG16	**ISA100**	SMB/4037/QP Approved SMB/4037A/RV	2009-09-18	Patricia Brett
WG17		SMB/6321/QP Approved SMB/6321A/RV	2018-01-12	Patricia Brett
WG16	**ISA100 Wireless Compliance Institute (WCI)**	SMB/5689/QP Approved SMB/5689A/RV	2015-11-20	Jay Werb
WG18	**Labs Network Industrie 4.0 e.V. (LNI 4.0)**	SMB/7379/QP Approved SMB/7379A/RV	2021-08-24	Andreas Meisinger Uwe Zeier
JWG10 WG12	**MODBUS**	SMB/2679/QP Approved SMB/2751/RV	2004-01-13	Rudy Belliardi Wolfgang Reinelt
WG9		SMB/3012A/QP Approved SMB/3012B/RV	2005-05-04	Rudy Belliardi
WG18		SMB/7081/QP Approved SMB/7081A/RV	2020-08-18	Rudy Belliardi

JWG10 WG12	**ODVA**	SMB/2679/QP Approved SMB/2751/RV	2003-12-12	**Carl Schumaker** Steve Seidlitz
WG9		SMB/3012A/QP Approved SMB/3012B/RV	2005-05-04	Mark Hantel **Carl Schumaker**
WG18		SMB/7081/QP Approved SMB/7081A/RV	2020-08-18	Mark Hantel
WG18	**OPC Foundation**	SMB/6607/QP Approved: SMB/6607A/RV SMB/7081/QP (transfer) Approved SMB/7081A/RV	2019-01-11 2020-08-18	Jim Luth
WG12		SMB/7943/QP Approved: SMB/7943A/RV	2023-08-04	Karl Deiretsbacher Peter Lutz
WG12	**PNET User Organisation**	SMB/2933/QP Approved SMB/2933A/RV	2005-01-10	John Johansen
WG9		SMB/3012A/QP Approved SMB/3012B/RV	2005-05-04	John Johansen
JWG10 WG 12	**PROFIBUS & PROFINET International**	SMB/2372/QP Approved SMB/2399/RV	2002-11-12	Wolfgang Blaich Pero Matijevic Herbert Barthel Christian Eitner Max Walter
WG9		SMB/3012A/QP Approved SMB/3012B/RV	2005-05-04	Günter Steindl
WG18		SMB/7081/QP Approved SMB/7081A/RV	2020-08-18	Günter Steindl
WG12	**SERCOS**	SMB/2942/QP Approved SMB/2942A/RV	2005-01-13	*Klaus Weyer?*
WG9		SMB/3012A/QP Approved SMB/3012B/RV	2005-05-04	*Klaus Weyer?*
JWG10		SMB/3807/QP Approved SMB/3807A/RV	2008-10-17	*Klaus Weyer?*
WG18		SMB/7081/QP Approved SMB/7081A/RV	2020-08-18	*Klaus Weyer?*

CONTACTS WITH EXTERNAL ORGANIZATIONS

IEEE	802.1 WG	Higher Layer LAN Protocols Working Group	Ludwig Winkel
IEEE	802.3 WG	Ethernet Working Group	**Bernd Horrmeyer**
IEEE	1588 WG	Precise Networked Clock Synchronization WG	TBD

DATE OF NEXT MEETING

It was agreed that the committee should meet again together with IEC TC 65 and its other sub-committees. Dates and location to be announced by IEC TC 65.