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65C/1332/RM

2024-11-15

INTERNATIONAL ELECTROTECHNICAL COMMISSION

TC65: INDUSTRIAL PROCESS MEASUREMENT, CONTROL AND AUTOMATION

SC65C: INDUSTRIAL NETWORKS

**Unconfirmed minutes of the meeting held in Calgary (CA) and virtually on
2024-09-10 (8:00 to 12:00 MDT, 14:00 to 18:00 UTC)**



Participants:

| NC/ organization | Last name | First name | Role ¹ | Participation ² |
|------------------|------------|------------|--------------------|----------------------------|
| Canada | VERHAPPEN | Ian | Chair | In person |
| France | DEMASSIEUX | Valérie | Secretary | In person |
| France | NABAIS | Alexandre | Ass. Sec. | Remote |
| France | SCHUMAKER | Carl | Ass. Sec. | In person |
| Germany | WEBER | Ingo | TC 65 Chair | In person |
| France | BELLIARDI | Rudy | TC 65 Ass. Sec. | Remote |
| IEC SEC | MAILLET | Marlene | Technical Officer | In person |
| Belgium | KOHLER | Constant | Head of delegation | Remote |
| Canada | ZAHEDI | Polad | Head of delegation | In person |
| Canada | BELTRAN | German | Delegate | In person |
| Canada | CAPEL | Tony | Delegate | Remote |
| Canada | OGUNDARE | Omotayo | Delegate | In person |
| China | DING | Lu | Head of delegation | Remote |
| China | WANG | Hao | Delegate | Remote |
| Denmark | STORM | Søren | Head of delegation | In person |
| Denmark | DAVIS | Todd | Delegate | In person |
| Finland | ALVE | Jukka | Head of delegation | In person |
| France | LAMBOLEY | Patrick | Head of delegation | In person |
| Germany | PROELL | Dieter | Head of delegation | In person |
| Germany | HOERCHER | Guenter | Delegate | Remote |
| Germany | HORRMEYER | Bernd | Delegate | Remote |
| Germany | KIESSLING | Marcel | Delegate | Remote |
| Germany | LESSAU | Tim | Delegate | In person |
| Germany | SCHMIDT | Rainer | Liaison | Remote |
| Germany | SCHRUNDNER | Rainer | Delegate | In person |
| Germany | WINKEL | Ludwig | Delegate | Remote |
| Iran | SHABRO | Maryam | Head of delegation | Remote |
| Italy | CANDIAN | Angelo | Head of delegation | Remote |
| Italy | COLOMBO | Marco | Delegate | Remote |
| Italy | POSSOBOM | Maria | Delegate | Remote |
| Italy | RUSSO | Francesco | Delegate | Remote |

¹ For example: Chair, Secretary, Technical Officer, Head of delegation, Delegate, Guest, Observer

² For example: In person, Remote, Apologized, Part of the time

| NC/ organization | Last name | First name | Role ¹ | Participation ² |
|----------------------|--------------|----------------|--------------------|----------------------------|
| Japan | BABA | Takenori | Head of delegation | In person |
| Japan | KAJIO | Yasuhiro | Delegate | In person |
| Japan | KANEKAWA | Nobuyasu | Delegate | In person |
| Japan | KONDO | Kenji | Delegate | In person |
| Japan | MORIMOTO | Masahiro | Delegate | Remote |
| Japan | OGURA | Nobuyuki | Delegate | Remote |
| Japan | ONO | Toshio | Delegate | In person |
| Japan | ONODERA | Yasuo | Delegate | In person |
| Japan | SEKINO | Hiroyoshi | Delegate | In person |
| Korea, Rep. of | KWON | Daehyun | Head of delegation | In person |
| Korea, Rep. of | HONG | Seung-ho | Delegate | Remote |
| Korea, Rep. of | MOON | Rajeong | Delegate | In person |
| Korea, Rep. of | YOON | Gun | Delegate | In person |
| Norway | SALATER | Trond | Head of delegation | In person |
| Norway | INGEBRIGTSEN | Idar | Delegate | In person |
| Switzerland | DECOTIGNIE | Jean-Dominique | Head of delegation | Remote |
| Thailand | KOOLPIRUCK | Diew | Head of delegation | Remote |
| Thailand | PRASERTSUK | Kiattisak | Delegate | Remote |
| United Arab Emirates | AL JAROODI | Abrar | Head of delegation | Remote |
| United Kingdom | BOARD | David | Head of delegation | In person |
| United Kingdom | SPROWELL | Brian | Delegate | Remote |
| USA | JUDD | Daniel | Head of delegation | Remote |
| USA | FENG | Chao | Delegate | In person |
| USA | RICHMOND | David | Delegate | In person |
| Australia | YUAN | Jessica | Observer | In person |
| Luxembourg | HILGERS | Carsten | Observer | Remote |
| China | GONG | Yanjie | Guest | Remote |
| China | JIN | Guangshu | Guest | In person |
| USA | HOPP | Eric | Guest | In person |

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NOTE [Blue references](#) provided in this meeting minutes correspond to documents available on the [SC65C Documents page](#) of the IEC website, and distributed together with the agenda. [Green references](#) correspond to updates of these documents and additional documents provided shortly before or during the meeting in the IEC Collaboration Platform area dedicated to this meeting. These updated reports are also provided as part of the meeting report package.

1 Opening of the meeting and IEC code of conduct

Mr. Ian VERHAPPEN opened the meeting at 8:00 (MDT) by welcoming all delegates attending the meeting (whether in person in Calgary, or virtually via Zoom), and thanked them for their participation.

He introduced Ms. Valérie DEMASSIEUX (in person), Mr. Carl SCHUMAKER (in person) and Mr. Alexandre NABAIS (remote), respectively Secretary and Assistant Secretaries of SC65C.

He welcomed Ms. Marlene MAILLET, new IEC Technical Officer for the parent technical committee TC65 and its subcommittees and thanked her for her assistance in helping prepare and facilitate this session. He also welcomed Mr. Ingo WEBER and Mr. Rudy BELLARDI, respectively Chair and Assistant Secretary of TC65.

He thanked the meeting hosts, Standards Council of Canada, and particularly the local organizing committee for all their work preparing this week's plenary meetings.

He explained specific guidelines and procedures to be used for the Zoom meeting and confirmed the Heads of Delegations.

Recording of attendance at this meeting was done both via a sign-up sheet circulated during the meeting, and via the participants list provided by Zoom. Attendance was about equally divided between in person and remote.

The meeting was attended by 55 P_delegates from 17 countries (Belgium, Canada, China, Denmark, Finland, France, Germany, Iran, Italy, Japan, Korea Rep of., Norway, Switzerland, Thailand, United Arab Emirates, United Kingdom and United States of America), 2 O_delegates from 2 countries (Australia, Luxembourg) and 3 guests (China, USA). The O_delegate from Australia is also a Young Professional.

He reminded attendees that a list of planned resolutions ([65C/1306/INF](#)) as well as written reports for Working Groups and some Liaisons had been distributed a month ago together with the agenda as INF documents, and some updated or additional reports were also available for download in the Collaboration Platform, in the Documents area of Workspace "[IEC / TC65 / SC65C / Plenary meetings](#)" within "[Folders / 2024 – CALGARY](#)". These updated reports are provided as part of the meeting report package.

Participants were reminded about the IEC code of conduct, which is available on the IEC web site as a pdf at: <https://www.iec.ch/basecamp/iec-code-conduct-technical-work>.

2 Approval of the agenda

[[65C/1299A/DA](#), [65C \(CALGARY / DEMASSIEUX\) 01B](#), [65C/1306/INF](#)]

Mr. Ian VERHAPPEN then introduced the agenda and asked the audience whether items should be added to the agenda. No changes were requested, so agenda was approved as shown.

3 Note the confirmation of the minutes of the meeting held in London on March 21, 2023

[[65C/1254/DL](#), [65C/1256/RM](#), [65C/1257/MTG](#)]

Mr. Ian VERHAPPEN noted that no comments or requests for changes were received on the minutes of the previous meeting which were posted four weeks after the meeting. Since no objections were raised by attending delegates, the minutes were confirmed.

The Secretary Report (under agenda item #5) includes updates on resolutions taken during the London meeting of March 2023. See Action found in 5.2 for further information.

4 Information from IEC Secretariat

[65C (CALGARY / MAILLET) 17]

Ms. Marlene MAILLET, Technical Officer of SC65C, made a presentation providing information from the IEC Secretariat specific to SC65C. It will be provided as part of the SC65C meeting report package.

It was noted that more general information from the IEC Secretariat would be covered during the TC65 plenary meeting. It should be provided as part of the TC65 meeting report package.

The topic of National Committee participation will be addressed during Agenda item #8.

5 Report from the Secretary on SC65C activities since the last plenary meeting held in London on March 21, 2023

5.1 Recognitions

- Ms. Valérie DEMASSIEUX expressed her thanks:
 - to Ms. Izabela WITIK (Standard Projects Administrator for TC65 and its SCs) for her unwavering support of the numerous and complex SC65C projects;
 - to Ms. Elena VOLET (Editor) for her past editing support, in particular for the complex Fieldbus series;
 - to the past and present SC65C Technical Officers (Marianna KRAMARIKOVA and Marlene MAILLET) for their assistance in conducting the Secretariat tasks.

Mr. Ian VERHAPPEN and the Secretary congratulated the SC65C experts who received the 1906 Award in 2023 and 2024:

- Frank SCHILLER has been an active member of IEC SC65C/WG12 for the past 10 years, and an important technical contributor to the generic part of the IEC 61784-3 standard on safety fieldbuses, throughout the last two editions of this document and its latest developments on extended models and equations. He has been key in establishing the scientific basis for the current contents of IEC 61784-3.
- Mr Toshi HASEGAWA has been an expert of SC65C/WG17 since the beginning. He has been actively involved in the development of the new revisions of the IEC 62657-2 and IEC 62657-4 standards on wireless coexistence, building on the work done in Japan to implement the previous editions. By cross-checking terms, parameters and properties defined for the coexistence management in the various parts of the series, he allowed corrections of some inconsistencies between the parts.

Ms. Valérie DEMASSIEUX recognized the two SC65C Assistant Secretaries, Alexandre NABAIS and Carl SCHUMAKER and noted that she will be retiring at the end of the month (September 2024).

5.2 Secretary report

[65C/1319/INF, 65C (CALGARY / DEMASSIEUX) 02A]

The Secretary Ms. Valérie DEMASSIEUX reviewed the documents issued since the last meeting (administrative news, publications, New Work Items, PAS and Review Reports), using the summary which is provided as part of the meeting report package.

- Two Assistant Secretaries were appointed to prepare the succession of Valérie DEMASSIEUX.
- Nominations of new Convenor for WG 9 and Co-convenor for JWG 10.

A status update was provided on pending Resolutions taken during the London meeting of March 2023.

An action was recorded as a result of a resolution from the London Plenary.

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.

6 Reports from Working Groups and Project Teams, and discuss any matters arising

As for previous plenaries, the review of project dates and stability dates, indicated under agenda items #7.1 and #7.2, was conducted at the end of each Working Group's report.

6.1 Report from WG9

[[65C/1307/INF](#)]

Mr. Dieter PRÖLL, Convenor of WG9, made a presentation and provided a written report which was distributed together with the agenda as an INF document.

The maintenance cycle for Edition 2023 triggered mid-2019 is completed and published.

Next steps include start of Maintenance Cycle 2025-2028 and the splitting of IEC 61158-2 into subparts, with some contents moved to JWG10 standards.

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*

6.2 Report from JWG10

[65C/1308/INF, 65C (CALGARY / RUSSO) 04A]

Mr. Francesco RUSSO, Convenor of JWG10, made a presentation and provided a written report which was distributed together with the agenda as an INF document. An updated version of this report is also provided as part of the meeting report package.

Amendment 2 of IEC 61918:2018 was published in March 2024 with a stability date of 2028.

Maintenance of IEC 61784-5 series concluded with publication of revised standards from 2024-03 to 2024-04, with stability dates of 2028.

Next steps include circulation of a Questionnaire proposing a revision plan, and the subsequent start of maintenance of IEC 61918 and the IEC 61784-5 series.

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*

6.3 Report from WG12

[65C/1309/INF, 65C (CALGARY / DEMASSIEUX) 05A]

Ms. Valérie DEMASSIEUX, Convenor of WG12, made a presentation and provided a written report which was distributed together with the agenda as an INF document. An updated version of this report is also provided as part of the meeting report package.

IEC 61784-3-18: SafetyNet p™ was withdrawn March 2023.

IEC 61784-3 ED4 AMD1 was published April 2024.

IEC 61784-3-19 ED1 publication is expected September 2024.

Circulation of IEC 62541-15 ED1 (OPC UA Safety) FDIS is expected November 2024.

Next steps include triggering a maintenance cycle for work on Edition 5 of IEC 61784-3, which would require identification of parts for withdrawal.

Resolution # 2024-07 (agenda item #6.3) – former # 2023-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 # 2023-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 # 2023-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*

6.4 Report from WG15

[[65C/1310/INF](#), [65C \(CALGARY / HÖRCHER\) 06A](#)]

Mr. Günter HÖRCHER, Convenor of WG15, made a presentation and provided a written report which was distributed together with the agenda as an INF document. An updated version of this report is also provided as part of the meeting report package.

Corrigenda for IEC 62439-2 and -3 were published shortly after the last SC65C plenary meeting. A questionnaire resulted in update proposals for IEC 62439-2 and -3. An informative annex with cybersecurity recommendations will be added to IEC 62439-1. Editors are assigned for IEC 62439-1, -2, -3 and -7. A nomination for an editor for IEC 62439-4 is expected. Market importance for IEC 62439-6 is unknown and editing support is being investigated.

A questionnaire will be circulated to propose details of the maintenance for IEC 62439-X (where X is 1, 2, 3, 7 and possibly 4).

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

6.5 Report from WG16

[[65C/1311/INF](#), [65C \(CALGARY / DECOTIGNIE\) 07A](#)]

Mr. Jean-Dominique DECOTIGNIE, Convenor of WG16, made a presentation and provided a written report which was distributed together with the agenda as an INF document. An updated version of this report is also provided as part of the meeting report package.

IEC 61139-3 was published November 2023. The CD for IEC PAS 63595 was circulated July 2024.

Next steps include preparation of the DPAS for IEC PAS 63595.

Since the WG16 Convenor is stepping down, a call for convenor will be circulated to identify candidates.

6.6 Report from WG17

[[65C/1312/INF](#)]

Mr. Ludwig WINKEL, Convenor of WG17, made a presentation and provided a written report which was distributed together with the agenda as an INF document.

Both IEC 62657-2 and -4 are being prepared for expected October FDIS circulation, with anticipated publication in December 2024.

Due to inactivity, the C-Liaison with ISA100 should be considered for withdrawal.

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

6.7 Report from WG18 (joint with IEEE 802.1)

[65C/1313/INF]

Mr. Ludwig WINKEL, Convenor of WG18 (joint with IEEE 802.1), made a presentation and provided a written report which was distributed together with the agenda as an INF document.

WG18 is responsible for two projects, IEC/IEEE 60802 (TSN profile for industrial automation) and IEC 61802 (corresponding test specification). Because it is a Dual Logo Standard, IEC/IEEE 60802 is exempt from the five-year automatic cancellation rule.

Project completion requires the SC65C secretary to clarify with IEC Secretariat the method of attachment of YANG files to the publication of IEC/IEEE 60802 and copyright exemption for previously mentioned YANG files.

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

A multi-consortia project is developing a test specification for IEC/IEEE 60802, but may not be necessarily contributed as input to the IEC 61802 project. The corresponding IEC certification project is currently on hold based on lack of support.

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

6.8 Report from PT 61139-2

[65C/1314/INF]

Mr. Wolfgang STRIPF recently retired as Convenor of PT 61139-2. A written report was provided on his behalf by Ms. Valérie DEMASSIEUX, which was distributed together with the agenda as an INF document. The report was presented by Ms. Valérie DEMASSIEUX.

The Project Team should be disbanded. However, recent or future updates in IEC 61784-3 may have an impact on the requirements of IEC 61139-2, which would require a dedicated Maintenance Team.

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

6.9 Report from PT 63444

[65C/1315/INF]

Mr. Ludwig WINKEL, Convenor of PT 63444, made a presentation and provided a written report which was distributed together with the agenda as an INF document.

IEC TS 63444 was published in November 2023.

Next steps involve transitioning efforts to maintenance. Anticipated specific maintenance topics can be found in the written report.

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

7 Update the Program of Work of SC65C as recorded by IEC Secretariat

[65C/1320/INF, 65C (CALGARY / DEMASSIEUX) 12A, 65C/1324/DL]

Initial program of work, maintenance list and liaisons for SC65C were included in a written report which was distributed together with the agenda as an INF document. This report was updated to reflect the latest changes shortly before the meeting. This revised report is provided as part of the meeting report package. The result of changes decided during the meeting was included in the decision list circulated shortly after the meeting as 65C/1324/DL.

7.1 Review project dates

Project dates have been reviewed as part of the individual WG/PT reports. The result of changes decided during the meeting was included in the decision list (65C/1324/DL) circulated shortly after the meeting.

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

7.2 Review stability dates

Decisions for most standards in the maintenance list have been already made as part of the individual WG/PT reports. The result of changes decided during the meeting was included in the decision list ([65C/1324/DL](#)) circulated shortly after the meeting.

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

7.3 Review liaisons

Ms. Valérie DEMASSIEUX presented a summary of existing liaisons and liaison representatives, showing the needed changes.

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

7.4 Confirmation of WG/PT convenors

According to ISO/IEC Directives Part 1, WG/PT convenors are appointed for an initial term of up to three-years and may be reappointed for additional terms of up to three-years (with no limit to the number of terms).

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

8 Review P-members participation

[[65C/1321/INF](#)]

Ms. Izabela WITIK provided a National Committee participation report prior to the meeting which was circulated as [65C/1321/INF](#). Mr. Ian VERHAPPEN and Ms. Valérie DEMASSIEUX reviewed this report and prepared resolutions based on their analysis.

One of the criteria for maintaining P-membership is to vote on all relevant documents submitted in SC65C. A second criteria is to demonstrate active participation by attending SC65C Plenary meetings or having experts appointed to technical work.

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

9 Review the Strategic Business Plan

[[65C \(CALGARY / VERHAPPEN\) 13](#)]

SC65C updated section I (3-5 Year Projected Strategic Objectives, Actions, Target Dates) of the TC65 Strategic Business Plan which was circulated to National Committees as ([SMB/7935/R](#)).

10 Liaisons reports

10.1 IEC SC22G

[65C/1316/INF]

Mr. Andreas UHL, liaison representative for IEC SC22G, made a presentation and provided a written report which was distributed together with the agenda as an INF document.

SC22G develops the IEC 61800 series (Adjustable speed electrical power drive systems). Work of relevance for SC65C includes:

- IEC 61800-5-2: Safety Requirements - Functional
- IEC 61800-7-x, describing a generic interface between control systems and power drive systems and use of profiles for power drive systems, with mapping onto SC65C fieldbuses.

10.2 IEC TC46

[65C/1317/INF]

Mr. James WITHEY, liaison representative for IEC TC46, who could not be present, provided a written report which was distributed together with the agenda as an INF document.

This liaison only applies to cabling work outside of the existing liaison between SC65C and JTC1/SC25. Currently, there is no activity in TC 46 that does not also apply to JTC1/SC25.

10.3 IEC SC48B

[65C (CALGARY / HORMMEYER) 14]

Mr. Bernd HORMMEYER, liaison representative for IEC SC48B, made a presentation and provided a written report which was distributed together with the agenda as an INF document.

Work of relevance to SC65C/JWG10 includes:

- IEC 63171 series which specifies connectors for Single Pair Ethernet
- IEC 61076-2-x which specifies various circular connectors
- some parts of the IEC 60512 series on test methods
- IEC 60352-2 and -7 for crimped and spring clamp connections, respectively

10.4 IEC SC86B

[65C (CALGARY / HORMMEYER) 15]

Mr. Bernd HORMMEYER, liaison representative for IEC SC86B, made a presentation and provided a written report which was distributed together with the agenda as an INF document.

The most relevant standards of SC86B for SC65C/JWG10 are parts of the IEC 61300-2 series (tests and measurement methods for fiber optic interconnecting devices and passive components), as well as parts of the IEC 61754 series (Fibre optic interconnecting devices and passive components).

10.5 ISO/IEC/JTC1/SC25

[65C/1318/INF]

Mr. Rainer SCHMIDT, liaison representative for JTC 1/SC 25, provided a written report which was distributed together with the agenda as an INF document. Technical issues precluded the presentation of the report.

The most relevant standards for SC65C/JWG10 and developed in ISO/IEC JTC1/SC25/WG3 is the ISO/IEC 11801 series (Information technology – Generic cabling for customer premises), including the latest developments for Single Pair Ethernet.

This liaison is important for SC65C/JWG10 as an indirect link with the related IEEE 802.3.

11 Other reports

11.1 IEEE 802.3

[65C (CALGARY / HORMMEYER) 16]

Mr. Bernd HORMMEYER made a presentation and provided a written report which was distributed together with the agenda as an INF document.

SC65C/JWG10 follows work done in IEEE 802.3 around Single Pair Ethernet, either by direct participation of its experts in IEEE 802.3, or indirectly through the ISO/IEC JTC1/SC25/WG3 liaison.

Several projects are ongoing, with IEEE P802.3da and P802.3dg of most interest to SC65C/WG9 and SC65C/JWG10

11.2 IEEE 1588

No report is available because no replacement has been identified yet for Mr. Hubert KIRRMANN, former liaison with IEEE 1588.

12 Any other business

12.1 Inclusive terminology

[65C (CALGARY / VERHAPPEN) 18]

Mr. Ian VERHAPPEN, Co-Convenor of the ISO/IEC Joint Advisory Group on Inclusive Terminology, made a presentation which is provided as part of the meeting report package.

Two documents have been developed: a Guideline and a Terminology List. Links to the documents are provided within the report.

The JAG INCL continues to debate when existing documents should be updated to reflect the new inclusivity guidelines. Final rules should be determined by June 2025. A webinar to explain the documents will be available later this year.

12.2 Code components

Ms. Valérie DEMASSIEUX gave an update regarding the use of code components. Not much progress has been made since the last plenary. No official guidelines exist today.

Issues also exist regarding delivery of the code components, depending on where the IEC specification is purchased (e.g., CENELEC versus directly from IEC).

Mr. Ian VERHAPPEN pointed out that the OSD system does not currently support code components.

12.3 Online standards development (OSD) platform

NOTE: This topic will be addressed in detail during the TC65 Plenary, and decisions made there if needed.

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

12.4 Use of copyrighted material from other SDOs

This topic is primarily concerned with the creation of agreements with other SDOs regarding the use of terms and definitions developed by those organizations.

NOTE: This topic will be addressed in detail during the TC65 Plenary, and decisions made there if needed.

13 Date and place of the next meeting

It was agreed that SC65C will meet again together with TC 65 and its other sub-committees. Dates and location will be announced during the TC65 plenary meeting at the end of the week. It is expected to be scheduled in late Spring 2026.

14 Review of decisions

[65C/1324/DL]

Mr. Ian VERHAPPEN conducted a brief overview of resolutions, related actions and other decisions approved as part of the review process during the meeting. Resolutions, as well as changes decided on the maintenance list and liaisons for SC65C during the meeting, are included in the decision list circulated shortly after the meeting.

15 Close of the meeting

The meeting was closed at 12:00 (MDT). The Chair expressed his appreciation to the delegates for their participation and contributions.

He thanked the hosts, the Standards Council of Canada, for the meeting arrangements.

The Chair also thanked Ms. Marlene MAILLET, Ms. Izabela WITIK (Standard Projects Administrator for TC65 and its SCs) and the IEC Secretariat editorial team for their ongoing support.

He also gave special recognition to Ms. Valérie DEMASSIEUX for her preparation of this meeting and work in between and presented her with a card signed by the attendees.

Respectfully submitted,

Ian VERHAPPEN
SC65C Chair

Carl SCHUMAKER
SC65C Assistant Secretary