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65E/1139/RM

2024-10-11

**INTERNATIONAL ELECTROTECHNICAL COMMISSION**

**TECHNICAL COMMITTEE No. TC65: Industrial-process measurement, control and automation**

**SUBCOMMITTEE No. SC65E: Devices and integration in enterprise systems**

**Unconfirmed minutes of the meeting held in Calgary (CA) and virtually on 2024-09-09 (19:30 – 24:00 UTC/GMT)**

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**Participants**

NC/ organization	Last name	First name	Role <sup>1</sup>	Participation <sup>2</sup>
IEC	LAMBOLEY	Patrick	Chair	In person
IEC	DING	Lu	Vice-Chari	Remote
IEC	RICHMOND	David	Secretary	In person
IEC	LATTIMER	Bob	Asst Secretary	Remote
IEC	ROBINSON	Charley	Asst Secretary	In person
IEC	WEBER	Ingo	TC 65 Chair	In person
IEC	BELLIARDI	Rudy	TC 65 Asst Secretary	Remote
IEC	MAILLET	Marlene	Technical Officer	In person
AU	YAUN	Jessica	YP	In Person
BE	HENNEAU	Francious-Xavier	Head of Delegation	Remote

<sup>1</sup> For example: Chair, Secretary, Technical Officer, Head of delegation, Delegate, Guest, Observer

<sup>2</sup> For example: In person, Remote, Apologized, Part of the time

BE	KOHLER	Constant	Delegate	Remote
CA	VERHAPPEN	Ian	Head of Delegation	In Person
CA	BELTRAN	Constant	Delegate	In Person
CA	CAPEL	German	Delegate	Remote
CA	OGUNDARE	Omotayo	Delegate	Remote
CA	ZAHEDI	Polad	Delegate	In Person
CN	WANG	Hao	Delegate	Remote
CN	WANG	Chengcheng	Delegate	Remote
CN	GONG	Yanjie	Delegate	Remote
CN	SHIN	Guang	Head of Delegation	In Person
DE	PROELL	Dieter	Head of Delegation	In Person
DE	BOLL	Marco	Delegate	Remote
DE	DEIDRICH	Christian	Delegate	In Person
DE	LESSAU	Tim	Delegate	In Person
DE	SCHMIDT	Nicole	Delegate	Remote
DE	SCHRUNDNER	Rainer	Delegate	In Person
DE	DICKMANN	Klaus	Delegate	Remote
DK	STORM	Søren	Observer	In Person
FI	ALVE	Jukka	Head of Delegation	In Person
FR	DEMASSIEUX	Valérie	Head of Delegation	In Person
FR	SCHUMAKER	Carl	Delegate	In Person
GB	BOARD	David	Head of Delegation	In Person
GB	SPROWELL	Brain	Delegate	Remote

JP	KANEKAWA	Nobuyasu	Head of Delegation	Remote
JP	BABA	Takenori	Delegate	In Person
JP	DEMACHI	Koji	Delegate	In Person
JP	KAJIO	Yasuhiro	Delegate	Remote
JP	KONDO	Kenji	Delegate	In Person
JP	MORIMOTO	Masahiro	Delegate	In Person
JP	OGURA	Nobuyuki	Delegate	In Person
JP	ONO	Toshio	Delegate	In Person
JP	ONODERA	Kaoru	Delegate	In Person
JP	SEKINO	Hiroyoshi	Delegate	Remote
NO	SALATER	Trond	Head of Delegation	In Person
NO	INGEBRIGTSEN	Idar	Delegate	In Person
TH	ASAWACHATROJ	Anukoon	Head of Delegation	Remote
TH	PRASERTSUK	Kiattisak	Delegate	Remote
US	BATKE	Brian	Head of Delegation	Remote

### 1. Opening of the meeting, welcome by the Chair and the host

The SC 65E Chair, Mr. Patrick LAMBOLEY opened the meeting 19:30 UTC(GMT) , welcoming all participants to the Calgary meeting, and thanked the Canadian National Committee for hosting.

Ms. Marlene MAILLET, the IEC Technical Officer for TC65 and its subcommittee informed participants of the IEC Code of Conduct on the IEC website.

Meeting attendance was recorded via a sign-up sheet circulated during the meeting and the participants list in Zoom.

The meeting was attended by 35 P delegates from 13 countries (Belgium, Canada, China, Finland, France, Germany, Japan, Korea, Norway, Thailand, United Kingdom, and United States), 1 O delegate (Denmark), 1 Young Professional (Australia), and 2 guests (China, United Kingdom)

## 2. Approval of the agenda

Mr. LAMBOLEY introduced the agenda previously circulated as 65E/1087A/DA. No changes were requested and the agenda was approved as shown.

## 3. Comments received on the report of the last meeting held in London on March 21, 2023.

The minutes of the last meeting previously circulated as 65E/1007/RM were noted and confirmed through the passage of time and no comments received

## 4. Information from the IEC Secretariate

The IEC Technical Officer, Ms. MAILLET provided an overview of the SC65E membership and work program of the last three years.

An overview of the changes to the project plan was provided.

It was noted that all new work and maintenance starting in January 2025 will be done on the OSD platform.

## 5. Secretary's report on SC65E activities since the London Plenary Meeting

Mr. David RICHMOND, the SC65E secretary provided an overview of the activities since the London Plenary Meeting, previously circulated as 65E/1126/INF.

- Noted that 3 administrative have been taken.
- 39 documents have published

Resolutions taken at the London Meeting have been completed.

## 6. Report from WG 2 (Product properties & classification).

Mr. Klaus DICKMANN (DE), Convenor of WG2, provided a summary of the previously circulated working group report 65E/1121/INF.

WG2 currently has 7 documents in being worked on.

**Decision 01/2024:** SC65E WG2 asks to start maintenance work on IEC 61406-1  
**Action 01/2024:** The Plenary unanimously approved.

**Decision 05/2024:** Pending the TC65 decision to disband TC65 AG4 Coordination of semantic projects and CDD, SC65E agrees to move this work to SC65E WG2 Product properties & classification.

**Action 05/2024:** The Plenary unanimously approved.

An overview of plans for updating portions of IEC 61987 standard series was provided.

Noted that WG2 does not have a formal liaison with ECLASS but is aware of their actions due to overlap in membership.

In October 2020 the COMDO project, consisting of ECLASS, IEC, and ISO, was started. This project is working to bring IEC CDD public dictionaries into the ECLASS Content Development Platform (CDP). This project is planned for 2024.

Noted that the data dictionary Units of Measurement IEC 62720 is free anyone to use.

EXCLASS is committed to developing specifications for a Resource Description Framework (RDF).

Mr. DICKMANN announced his intent to step down as convenor in late 2024 or early 2025 due his taking over as the IEC SC3D Secretary.

The SC65E Secretary was asked to begin the process to find a new Convenor

## **7. Report from WG3 (Commissioning)**

Mr. Marco BOLL (DE) , Convenor of WG3 provided a summary of previously circulated working group 65E/1122/INF.

WG3 is currently comprised of 9 members representing 5 countries and 1 liaison representing the ISA

IEC 62381 ED3 Automation systems in the process industry - Factory acceptance test (FAT), site acceptance test (SAT), and site integration test (SIT) and IEC 62382 ED3 Control systems in the process industry - Electrical and instrumentation loop check have been approved and published.

Work in starting on IEC 62337 Commissioning of electrical of electrical, instrumentation and control systems in the process industry – approved for maintenance by resolution during the March 2023 plenary. A review report and call for experts will be issued after the Calgary plenary.

## **8. Report from WG4 (Field device tool interface specification)**

Mr. Christian DIEDRICH (DE), Convenor of WG4 provided a report.

An overview of IEC 62453 – FDT was provided.

A review of the work program was provided.

**Decision 06/2024:** Resolution to cancel IEC TR 62453-42 ED2, IEC TR62453-51, IEC TR 62453- 52-31, and IEC TR 62453-52-90 and restart all as TS documents.

**Action 01/2024:** The resolution was unanimously approved.

SC65E WG4 has a C Liaison with ISA-103 for the adoption of IEC documents withing ANSI/ISA. ISA-109 is aligning its review of the work program in parallel with the WG4 work program.

SC65E WG4 has a C Liaison with the FDT Group AISBL. Noted the FDT Group is moving to the FCG.

SC65E WG4 will disband its current liaison with the FDT Group and request to create a new liaison with FCG. An INF will be distributed to the SC65E and SMB.

#### 9. Report from WG7 FB for process control, EDDL, and FDI

Mr. Christian DIEDRICH (DE), Convenor of WG7 provided a report.

An overview of IEC 61804 – FB abd EDDL Stability dates was provided. Noted no current acitivity.

An overview of IEC 62796 – FDI, next steps and stability dates was provided.

#### 10. Report from WG8 OPC

Mr. Ingo WEBER (DE), Convenor or WG8 provided an overview of previously published report 65E/1118/INF

Noted that OPC had previously developed an annex defining mapping in IEC 65451-2 OPC Unified Architecture – Part 2: Security Model that was not licensed in time for release with the first CDV.

An aggeement is now inplace that will allow this information to be included. A second CDV document is being developed and will be distributed soon.

Noted that IEC 62541-7 ED4 recieved critical comments during the CDV stage and is being prepared for a sesond CDV

Noted the secretary and chair are working to get the documents overdue for publication to IEC.

Concerns were expressed no WG8 meetings are being held and experts are not getting a chance to comment on documents prior to circulation for CDV

**Decision 02/2024:** Resolution that all working groups should share draft documents on the collaboration platforms.

**Action 02/2024:** The resolution was unanimously approved.

Noted that the decision to proceed to publication stage following CDV is in the hands of the chair.

#### 11. Report from WG9 AutomationML – Engineering Data Exchange Format

Ms. Nicole SCHMIDT (DE), Convenor of WG9 provided overview of previously published report 65E/1119/INF.

The WG requested to open IEC 62714-parts 1,2,3, 4, and 5 for maintenance.

**Decision 03/2024:** Resolution to open IEC 62714-parts 1,2,3, 4, and 5 for maintenance.

**Action 03/2024:** The resolution was unanimously approved.

#### 12. Report from WG10 Intelligent Device Management

Mr. Ian VERHAPPEN (CA), Convenor of WG10 provided an overview of previously published report 65E/1120/INF.

An overview of the work program was provided. Noted that IEC 63082-1 ED1 has been submitted for CDV circulation.

Liaison activities with ISA 108 on-going.

#### 13. Report from WG12 Device and integration in enterprise system

Mr. Chengcheg WANG (CN), Convenor of WG12 provided an overview of previously published report 65E/1117/INF.

**Decision 04/2024:** SC65E asks WG12 to clarify its scope and add a specification for industrial assets.

**Action 04/2024:** The resolution was unanimously approved.

#### 14. Report from WG13 Representation of electrical and instrument objects in digital 3D plant models during engineering

No report was provided.

**15. Report from WG14 Modular Type Package MTP**

No report was provided.

**16. Report from JWG5 Enterprise-control system integration linked to ISO/TC 184/SC5**

No report was provided.

Noted there was no IEC co-convenor on JWG5

**Decision 10/2024:** Proposal to circulate a questionnaire with a proposed nominee and call for additional nominees.

**Action 04/2024:** The proposal was unanimously approved.

Mr. Koji DEMACHI (JP) is proposed for the position, the secretary will follow up with Mr. Demaschi is able to take on this work.

**17. Review of SC65E Work Program: Projects, Maintenance, Stability Dates, Convenor Approval, and Liaisons Review****17.1 Review of SC65E Work Program**

The SC65E work program was reviewed.

Noted that new target dates are needed for IEC 62264-2, IEC 62264-4, IEC 62264-5, and IEC 62264-7.

**Decision 7/2024:** The secretary will reach out to the project leader of IEC 62264-2, IEC 62264-4, IEC 62264-5 and IEC 62264-7 requesting new CDV dates. A questionnaire will be circulated with new target dates provided.

**Action 07/2024:** The resolution was unanimously approved.

Noted that PAS IEC 63178 has exceeded its allowed publication period. Ms. Izabella WITIK will be requested to withdraw this document.

Ms. SCHMIDT, WG12 Convenor will provide a new target date for the IEC 62714 CD circulation.

**17.2 Review of SC65E Stability Dates**

Stability dates were reviewed and updated as previously noted.



**Decision 8/2024:** Stability dates will be reviewed and updated as noted.  
**Action 08/2024:** Unanimously approved.

### 17.3 Review of Convenors

The SC65E WG Convenors were reviewed

<b>Group</b>	<b>Group name</b>	<b>Function</b>	<b>Last Name</b>	<b>First Name</b>	<b>NC</b>	<b>Term of Office</b>
WG2	Product Properties and classification	Convenor	Dickmann	Klause	DE	2026-04
WG3	Commissioning	Convenor	Boll	Marco	DE	2026-04
WG4	Field device tool interface specification	Convenor	Diedrich	Christian	DE	2026-04
WG7	FB for process control, EDDL and FDI	Convenor	Diedrich	Christian	DE	2026-04
WG8	OPC	Convenor	Weber	Ingo	DE	2026-04
WG9	AutomationML - Engineering Data Exchange Format	Convenor	Schmidt	Nicole	DE	2026-04
WG10	Intelligent Device Management	Convenor	Verhappen	Ian	CA	2026-04
WG12	Predictive Maintenance	Convenor	Wang	Chengcheng	CN	2026-04
WG13	Representation of electrical & instrument objects in digital 3D plant models during engineering	Convenor	Bödege	Carsten	DE	2026-04
WG14	Modular Type Package (MTP)	Convenor	Martineze	Benjamin	FR	2026-11
WG14	Modular Type Package (MTP)	Co-Convenor	Maurmaier	Mathias	DE	2026-11
JWG5	Enterprise-control system integration linked to ISO/TC 184/SC 5	Convenor	Monchinski	Chris	ISO	2026-04

**Decision 9/2024:** Resolution to reconfirm all SC65E WG convenors with terms to expire 2027-09-09.  
**Action 09/2024:** Unanimously approved.

### 17.4 Liaisons Review

Mr. RICHMOND presented a summary of existing liaisons and liaison representatives.

WG4 C-Liaison with FDT Group AISBL will be severed, the FDT Group is moving to FCG. A request to establish a new liaison with FCG will be distributed.

Noted that Ms. Valerie DEMASSIEUX is retiring and requested to be removed as the liaison to ISO TC184 SC5.

**Decision 11/2024:** The SC65E secretary will inform the ISO TC184 SC5 that Ms. Valerie DEMASSIEUX requests removal as liaison representative to SC65E.

**Action 11/2024:** Unanimously approved.

## 18. Liaison Reports

Liaison reports where received were addressed in the applicable working group reports.

## 19. Review of P-member participation

Mr. RICHMOND presented an overview of the P-member participation previously published as 65E/1124/INF.

The secretary will ask the SMB to contact Pakistan and the United Arab Emirates asking them to fulfil their obligations as P members on SC65E. Iran will be sent a gentle reminder asking them to appoint expert to participate in SC65E

**Decision 12/2024:** A letter will be sent by the IEC Secretariat to Pakistan and the United Arab Emirates asking them to fulfil their obligations as P members on SC65E. Iran will be sent a letter gentle reminder asking them to appoint experts to participate in SC65E.

**Action 12/2024:** Resolution is unanimously approved.

## 20. Any other business

None.

## 21. Date and place of the next meeting(s)

It was agreed that SC65E meet again with the TC65 committees in 2026. The location and date are TBD

## 22. Approval of the decisions and actions

Mr. RICHMOND conducted a brief review 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 SC65E during the meeting, are included in decision list circulated shortly after the meeting.]

**23. Close of the meeting**

The meeting was closed by the CHAIR who expressed his special appreciation to the delegates for their contributions.

He thanked again Mr. Ian VERHAPPEN and the Canadian National Committee for the meeting arrangements, as well as the gentlemen taking care of the audiovisual tools.

He also thanked the IEC Technical Officer Ms. Marlene MALLIAR for her assistance during the meeting.

Respectfully submitted,

Patrick LAMBOLEY  
SC 65E Chair

Lu DING  
SC65E Vice-Chair

David RICHMOND  
SC 65E Secretary