INTERNATIONAL ELECTROTECHNICAL COMMISSION

SYSTEMS COMMITTEE SyC SM: Smart Manufacturing

Unconfirmed minutes of the Plenary meeting held in Edinburgh, Scotland from 2024-10-24 (from 10:00 to 15:30) to 2024-10-25 (from 09:00 to approximately 12:00)

Participants

Role	Last Name	First Name	National Committee	Participation
Delegate	Bernus	Peter	Australia	Virtual
Head of delegation	Ivkovic	Srdjan	Australia	Virtual
Head of delegation	Ouyang	Jinsong	China	Face-to-face
Delegate	Ding	Lu	China	Face-to-face
Delegate	zhang	Xiaoling	China	Face-to-face
Delegate	Wang	Chengcheng	China	Virtual
Delegate	Chang	Shendong	China	Face-to-face
Delegate	hu	Jingyi	China	Face-to-face
Head of delegation	LAMBOLEY	Patrick	France	Virtual
Delegate	CUTTING-DECELLE	Anne-Francoise	France	Virtual
Chair	Bausch	Udo	Germany	Face-to-face
Delegate	Hu	Yun Chao	Germany	Face-to-face
Delegate	Johann	Benjamin	Germany	Virtual
Head of delegation	Meier	Andre	Germany	Face-to-face
Technical Officer	Ruggiero	Gennaro	IEC Secretariat	Face-to-face
Delegate	MIYAZAWA	Iko	Japan	Virtual
Delegate	DEMACHI	Koji	Japan	Face-to-face
Liaison	Kimura	Fumihiko	Japan	Face-to-face
Head of delegation	ODA	Shinji	Japan	Face-to-face
Delegate	Otoki	Shonan Nicole	Japan	Face-to-face
Liaison	Nonaka	Youichi	Japan	Virtual
Delegate	Nakashima	Kazuo	Japan	Face-to-face
Delegate	TSUKIYAMA	Kazunari	Japan	Face-to-face
Delegate	Karani	Eric	Kenya	Virtual
Delegate	Kwon	Daehyun	Korea, Republic of	Virtual

Head of delegation	Beltrán de Nanclares	Eduardo	Spain	Face-to-face
Head of delegation	Alshamali	Yousuf	United Arab Emirates	Face-to-face
Delegate	Wilkins	Maurice	United Kingdom	Virtual
Head of delegation	Batke	Brian	United States of America	Face-to-face
Secretary	Zoller	Wallie	United States of America	Face-to-face
Liaison	Weber	Ingo	Germany	Virtual

1.   Opening of the meeting, IEC code of conduct, welcome by the Chair and the host

> Opening of the meeting and IEC code of conduct
> The Chair opened the meeting at 910am local time and reviewed the agenda. The code of conduct was presented by the Technical Officer Gennaro Ruggiero. The code of conduct is available on the IEC website.

2.   Roll call of participants

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> Done by SyC SM SEC Walter Zoller

3.   Approval of the agenda

SyCSM/107/DA

> One additional agenda item proposed by Patrick Lamboley under any other business. A potential issue of duplication of efforts between TC65 and SC31.

4.   Confirmation of the minutes of the meeting held on 2023-11-20 and on 2023-11-22 in Sydney, Australia

SyCSM/92A/RM

> No comments received and no objections

5.   Information from IEC Secretariat

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> Delivered by Gennaro, presentation available on collaboration platform

6.   Update the Work Programme of SyC SM as displayed on the IEC website

> Only IEC SRD 63549 ED1 is in progress. Next stage is pending. WG1 had a WG meeting and will report on progress

7.   Review of Convenors

SyCSM/111/DL

> The terms reviewed for all Convenors and officers. Please see decision list. It is noted that the Convenors of ad hoc groups are meant to be short term but may follow the same 3 year cadence as established working groups.

8.   Chair Report on activities between meetings

SyCSM_20241025Edinburgh_08

> Presented by the Chair
> December 2023 physical presentation on international conference in Nanjing (China)
> January 2024 ISO/IEC JWG 21 physical meeting in Washington DC: report about SyC SM status
> March 2024 physical consultation with ITEI management in Beijing about candidates for ahG 7, 8, 9
> June 2024 report in ISO/SMCC physical meeting in Stockholm (Sweden)
> over the year 2024 a lot of virtual presentations in national and international meetings

9.   Reports from groups and team (WG1 to WG3, OF1, ahG6)

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SyCSM_20241025Edinburgh_9.2
SyCSM_20241025Edinburgh_9.3
SyCSM_20241025Edinburgh_9.3a
SyCSM_20241025Edinburgh_9.4
SyCSM_20241025Edinburgh_9.7
SyCSM_20241025Edinburgh_9.7a
SyCSM_20241025Edinburgh_9.8
SyCSM_20241025Edinburgh_9.8.1
SyCSM_20241025Edinburgh_9.9
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SyCSM_20241025Edinburgh_9.11

> 1. WG 1
>   1. Presented by the Convenor
>   2. The Chair noted the value of face-to-face meetings in resolving comments and preparing the document. WG1 requests that WG2 join them in reviewing the terminology within the document to make sure there is alignment.

3. A question was raised as to a use case repository within the IEC. This is being finalized internally and will be circulated to the National Committees within the coming months. The process may take up to a years to resolve. Guide 125 will be the primary document. The document goes through commenting and approval.
4. WG1 will review the terms of reference with respect to digital transformation and alignment with SG12 moving forward.

2. WG 2
    1. Presented by the Convenor joined by Maurice Wilkins, delayed in order to align with JPT3 presentation.
    2. Not enough activity. Members may merge with JPT3 if participation does not increase soon.
    3. Eric Karani volunteers to join WG2.

3. WG 3
    1. Presented by the Convenor
    2. Two documents, one from WG3 and another from JP National Committee were presented. Udo Bausch presented on the consultation with single SMB members.
    3. YunChao Hu asked if the navigation tool and use cases are separate tools developed by SyC SM rather than a single project. Youichi responded that the navigation tool is independent though it will rely on other repositories and databases. Preferably those would be automatically integrated. It is suggested that the SMB issue guidance on how the IEC intends to support the tools.
    4. IEC SEC recommends that a formal proposal be made to both SG12 and SMB in order to formalize activities.
    5. The JP National Committee would seek support to implement the tool as well as seek feedback as to the perceived value of the tool.

4. AG 1
    1. Presented by the Convenor
    2. Terms of Reference on IEC website should be updated.
    3. Whenever an open forum is established an interface is opened. Self-nomination is allowed.

5. ahG 5
    1. No report due to no activity

6. ahG 6
    1. No report due to no activity

7. ahG 7
    1. Presented by the Convenor
    2. Discussion on the final report and output resulted in a proposed Q or DC.

8. ahG 8
    1. Presented by the Convenor
    2. Yunchao asked what the output of the group may be given that a mapping tool, use cases, and guideline could be separate projects.
    3. It was also suggested that there may be overlap with SC38 and other TCs working on data spaces.

9. ahG 9
    1. Presented by the Convenor
    2. More experts required.

> 3. There was a discussion as to what the output of the ahG should be. Defining and identifying aspects may be outside the scope of an ad hoc group. TC 184 SC5 and SC4 WG10 has already published a standard for key performing aspects. SC41 also has work relevant to these efforts.
> 4. The convenor will reach out to relevant committees and working groups.
> 10. OF 1
>   1. Presented by the Chair and Shengdong Chan
>   2. Presentation to be distributed via Collaboration Platform
>   3. OF1 has worked to reduce the amount of raw data requested of the Technical Committees. They will review their terms of reference.
>   4. We must decide where the work will happen. 63306
> 11. JPT3
>   1. Presented by Maurice Wilkins.
>   2. More experts required.

10. Review of other work programs of interest to SyC SM

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> No other topics were raised

11. Review of ISO SMCC Activity

> 2024-06-27 Plenary (meeting in Stockholm) - Vocal Presentation provided by the Chair. The mandate will be exceeded at the end of 2024. A new structure is being considered. A proposal for a joint Systems Committee is being considered. The TMB must provide input.

12. Report from AG1 (WS results, young professionals)

> Completed in agenda item 9.4

13. Report from TC65

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> Presented by Ingo Weber. Presentation circulated in Collaboration Platform. No decision taken.

14. Report from JTC 1/ SC41

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> No report helt, but a report will be sent after the meeting

15.   Report from JTC 1/ SC42

> No report provided

16.   Report from ISO/IEC JWG 21 (new projects)

SyCSM_20241025Edinburgh_16

> Presented by Fumiko Kimura in person
> Work is finishing up with publications in January. The WG will then discuss whether to adjust their terms of reference or reorganize the committee.

17.   Introduction of SyC SM Navigation Tool (prototype)

> Presented by Kazuo Nakashima
> A demonstration followed
> https://www.omg.org/bpmn/

18.   Review of P-members participation

SyCSM_20241025Edinburgh_18

> The SyC SM plenary agrees to ask the IEC SEC to remind the following P-members of their obligations; Austria, Israel, Italy, and Netherlands. Failure to meet these obligations will result in their membership being revised to O-membership.

19.   Review of liaisons

SyCSM_20241025Edinburgh_19

> Liaisons were reviewed and confirmed. Ingoing and Outgoing liaison member were confirmed and updated.

20.   Review of the Strategic Business Plan

> The SBP should be circulated for comment and approval. Comments to be resolved and then submitted to the SMB

21.   Any other business

> Possible overlap of work - presented by Patrick Lamboley
> SyC SM thanks Patrick for his presentation and supports the matter and shares the concern.

Presented By Lu Ding - Industrial Operating Systems - The Chair advises China NC to create a proposal for scope and plan for future work. A more concrete proposal should be made.

22.   Date and place of the next meeting

Chair to contact India NC to request invite to General Meeting. The Technical Officer would prefer 12-15 Sept 2025. China NC may host plenary meeting as a second option. The answer should be provided by 31 DEC 2024. 2026 Plenary to take place in Hamburg Germany 9-20 NOV 2026.2026 will be hosted by Germany in collaboration with the IEC General meeting in Hamburg.

23.   Review of decisions

The decisions and actions were reviewed and approved.
All with Unanimity

24.   Close of the meeting

The Chair thanked our venue COSLA and host city Edinburgh for their support and hospitality.The Chair closed the meeting.