



## Information & Control Taiwan TC Chapter Meeting Summary and Minutes (Hybrid)

Taiwan Spring Standards Meeting 2021

April 16, 13:00 – 15:00

11F-2, No. 1, Taiyuan 1st Street, Zhubei City, Hsinchu County, Taiwan

### TC Chapter Announcements

*Next TC Chapter Meeting*

July 30, 2021, 13:00 – 15:00

SEMI Taiwan office, Hsinchu County, Taiwan

### Table 1 Meeting Attendees

*Italics indicate virtual participants*

**Co-Chairs:** Scott Yu (TSMC)

**SEMI Staff:** Cher Wu

Copmany	First	Last	Copmany	First	Last
<i>ASML The Netherlands BV</i>	<i>Rob</i>	<i>Joustra</i>	<i>Jrsys Inc.</i>	<i>James</i>	<i>Wu</i>
<i>Atotech</i>	<i>David</i>	<i>Chiu</i>	<i>kokusai-electric</i>	<i>Matsuda</i>	<i>Mitsuhiro</i>
Changing Information Technology Inc	Miller	Change	<i>Kxware information Technology</i>	<i>Yufeng</i>	Huang
<i>Cimetrix</i>	<i>Michael</i>	<i>Lee</i>	<i>NANYA</i>	<i>Sheng Wei</i>	Kang
<i>Cimetrix Incorporated</i>	<i>Clare</i>	<i>Liu</i>	Powerchip Technology	CHINLANG	Peng
<i>Eunodata</i>	<i>KY</i>	<i>Wang</i>	Powerchip Technology	Tim	Chen
<i>Eunodata</i>	<i>Stephen</i>	<i>Liu</i>	<i>Screen</i>	<i>Ryu</i>	<i>Chen</i>
<i>Flagship</i>	<i>Jack</i>	<i>Huang</i>	<i>SCREEN Semiconductor Solutions</i>	<i>Takayuki</i>	Nishimura
<i>hitachi-hightech</i>	<i>Toyoshima</i>	<i>Yuuko</i>	<i>TEL SDCSD</i>	<i>Mochizuki</i>	Tadashi
ITRI	Vannia	Lin	TSMC	Leon	Chang
ITRI	Ares	Cho	<i>Willis Towers Watson Taiwan</i>	<i>Bright</i>	Wu
ITRI	Ming Hui	Chung	<i>ZAMA consulting.</i>	<i>Mitsune</i>	Sakamoto

### Table 2 Leadership Changes

<i>WG/TF/SC/TC Name</i>	<i>Previous Leader</i>	<i>New Leader</i>
None		

### Table 3 Committee Structure Changes

<i>Previous WG/TF/SC Name</i>	<i>New WG/TF/SC Name or Status Change</i>
None	

**Table 4 Ballot Results**

<i>Document #</i>	<i>Document Title</i>	<i>Committee Action</i>
6506B	New Standard: Specification for Cybersecurity of Fab Equipment	<b>Failed</b>

#1 **Passed** ballots and line items will be submitted to the ISC Audit & Review Subcommittee for procedural review.

#2 **Failed** ballots and line items were returned to the originating task forces for re-work and re-balloting or abandoning.

**Table 5 Activities Approved by the GCS between meetings of the TC Chapter**

<i>#</i>	<i>Type</i>	<i>SC/TF/WG</i>	<i>Details</i>
None			

**Table 6 Authorized Activities**

Listing of all revised or new SNARF(s) approved by the Originating TC Chapter.

<i>#</i>	<i>Type</i>	<i>SC/TF/WG</i>	<i>Details</i>
None			

#1 SNARFs and TFOFs are available for review on the SEMI Web site at:

<http://downloads.semi.org/web/wstdsbal.nsf/TFOFSNARE>

**Table 7 Authorized Ballots**

<i>#</i>	<i>When</i>	<i>TF</i>	<i>Details</i>
6506C	Cycle 5	Fab Automation Security TF	New Standard: Specification for Cybersecurity of Fab Equipment

**Table 8 SNARF(s) Granted a One-Year Extension**

<i>#</i>	<i>TF</i>	<i>Title</i>	<i>Expiration Date</i>
None			

**Table 9 SNARF(s) Abolished**

<i>#</i>	<i>TF</i>	<i>Title</i>
None		

**Table 10 Standard(s) to receive Inactive Status**

<i>Standard Designation</i>	<i>Title</i>
None	

**Table 11 New Action Items**

<i>Item #</i>	<i>Assigned to</i>	<i>Details</i>
1	SEMI Staff Cher	Apply new TF for EECDG to SEMI Standards Platform.

**Table 11 New Action Items**

<i>Item #</i>	<i>Assigned to</i>	<i>Details</i>

**Table 12 Previous Meeting Action Items**

<i>Item #</i>	<i>Assigned to</i>	<i>Details</i>
1	SEMI Staff Cher	Discuss to form new Task Force for Equipment Data Discovery. After discussion and comment from Japan Matsuda san and Chair Scott, TC approved to form working group to continue working this topic to get comment and findings from tool maker and users. Working group volunteers are Jack Huang(Flagchip)/KY Wang (Euonodata). _CLOSED

**1. Welcome, Reminders, and Introductions**

Scott Yu (TSMC) called the meeting to order at 13:00. The meeting reminders on antitrust issues, intellectual property issues and holding meetings with international attendance were reviewed. Attendees introduced themselves both for Face-to-Face meeting and Micro Team meeting participants.

**Attachment:** [Meeting Elements 2020](#)

**2. Review of Previous Meeting Minutes**

The TC Chapter reviewed the minutes of the previous meeting thru OVTM.

**Motion:** CHIN-LANG PENG (Powerchip Technology Corp.)

**By / 2<sup>nd</sup>:** Tim Chen (Powerchip Technology Corporation)

**Discussion:** After review, all TC members agreed to approve it.

**Vote:** 19-0 in favor. Motion passed

**Attachment:** [20210107 I&C Meeting Minutes v6](#)

**3. Liaison Reports**

1.1 Information & Control North America TC Chapter

-- Cher Wu reported for the I&C NA TC Chapter. Of note:

- Leadership

TF Leadership Changes:ESEC Task Force Gerald Shelley (Edwards) – new co-leader

- Meeting Information

Previous Meeting:April 1-2, 2021,Online via OVTCCM

Next Meeting:July 22-23, 2021,Online via OVTCCM

- Ballot Result

<i>Document #</i>	<i>Document Title</i>	<i>Committee Action</i>
6722	Reapproval of SEMI E54.11 - Specification for Sensor/Actuator Network Specific Device Model for Endpoint Devices	Passed

6724	Reapproval of SEMI E54.3 - Specification for Sensor/Actuator Network Specific Device Model for Mass Flow Device	Passed
6682	Line Item Revision to E142-XXXX: Specification for Substrate Mapping, E142.1-1016 XML Schema for Substrate Mapping and E142.2-1016 SECS II Protocol for Substrate Mapping	
LI-1	Add package path to the layout	Passed
LI-2	Update E142 and E142.1 related information	Passed
LI-3	Changes to align with the latest version of the Style Manual	Passed
6566A	New Standard: Specification for Malware Free Equipment Integration	Failed
6721	Reapproval of SEMI E164 - Specification for EDA Common Metadata	Passed
6347	Revision to Add a New Subordinate Standard: Specification for Protocol Buffers of Data Collection Management to SEMI E134-0414, Specification for Data Collection Management	Failed
6719	Revision to SEMI E132-0419, Specification for Equipment Client Authentication and Authorization	Failed
6720	Revision to SEMI E134-0319, Specification for Data Collection Management	Failed
6718	Revision to SEMI E125-0414, Specification for Equipment Self Description (EqSD)	Failed
6346E	Revision to Add a New Subordinate Standard: Specification for Protocol Buffers for Equipment Client Authentication and Authorization (ECA) to SEMI E132-0419: Specification for Equipment Client Authentication and Authorization	Failed
6723	Reapproval of SEMI E90.1-0312 - Specification for SECS-II Protocol Substrate Tracking	Passed
6597	Line Item Revision to SEMI E173-0415E: Specification for XML SECS-II Message Notation (SMN)	
LI-1	Minimal Logging Clarification	Passed
LI-2	Element Order	Passed
6552A	Line Item Revision to SEMI E5-0219: Specification For SEMI Equipment Communications Standard 2 Message Content (SECS-II)	
LI-1	Query Interface Setup	Passed with editorial changes
LI-3	S7F17/F18 Clarification	Passed
6552B	Line Item Revision to SEMI E5-0219: Specification For SEMI Equipment Communications Standard 2 Message Content (SECS-II)	
LI-1	Logical Naming Conventions	Passed; Ratification Ballot to be issued

- **Authorized Ballots**

Authorized for Cycle 4, 5, 6 of 2021

6566B, New Standard: Specification for Malware Free Equipment Integration

6346F - New Subordinate Standard for E132

6347A – New Subordinate Standard for E134

6718A – E125 Revision

6719A – E132 Revision

6720A – E134 Revision

6345 – New Subordinate Standard for E125



6598C - E37/E37.1 Revision

6683 - E148 Revision

6572 - E30 Revision

6743 - Revision to SEMI E95-1101, Specification for Human Interface for Semiconductor Manufacturing Equipment

- Task Force Reports

Please refer the attachment.

**Attachment:**NA I&C Liaison Report 2021-April v1

### 1.2 I&C Japan TC Chapter

-- Cher Wu reported for the I&C Japan TC Chapter. Of note:

- Meeting information:

Last meeting : April 15, 2021, SEMI Japan, Web Conference

Next meeting : September 28, 2021 9:30AM-12:00noon[JST], Web Conference

- Authorized Activities

Doc #	Type	SC/TF/CFG	Document Title/Details
TBD	SNARF	JA I&C Maintenance TF	SNARF for Line-Item revision to E169-0615 Guide for Equipment Information System Security

- Task Force Highlights

Ballot Review meetings

2021 Cycle 2: 6 NA ballot and 1 Taiwan ballot were reviewed on March 3&5, 2021

- Five-Year Review

- SEMI E171-0916, Specification for Predictive Carrier Logistics (PCL)  
GEM300 Task Force will consider action
- SEMI E169-0615, Guide for Equipment Information System Security  
Line Item Revision SNARF is approved  
Japan I&C Maintenance Task Force is making a draft document
- SEMI E99-0317, Specification for Carrier ID Reader/Writer Maintenance TF  
Japan I&C Maintenance Task Force will consider action

**Attachment:** 202104 JA I&C LiaisonR v1.0

### 1.3 I&C Korea TC Chapter

- Cher Wu reported for the I&C Korea TC Chapter. Of note:

- Meeting information:

Last meeting : April 9, 2021 (\* It is rescheduled from April 1 due to Covid-19)

SEMI Korea, Seoul, Korea



Next meeting : August 27, 2021

SEMI Korea, Seoul, Korea

• Ballot Results

Doc #	Document Title	TC Chapter Action
6695	Line Item Revision to E87-0619, Specification for Carrier Management (CMS) and E87.1-0619 Specification for SECS-II Protocol for Carrier Management (CMS)	<b>Passed as balloted</b>

• Other Activities

[SEMI Korea Webinar] Energy Saving Equipment Communication

To introduce standards to support energy saving communications in the fab between the host and process tools (SEMI E167 – Specification for Equipment Saving Mode Communications, EESM), and between the tools and the subfab equipment (SEMI E175 – Specification for Subsystem Energy Saving Mode Communication, SESMC). I

<https://www.semi.org/ko/connect/events/semi-korea-webinar-eneoji-jeolyageul-wihan-semiui-jangbi-tongsinpyojun>

**Attachment:** Liaison report\_InC\_KR\_\_Apr2021

**4. SEMI Staff Report**

--Cher Wu (SEMI) gave the SEMI Staff Report. Of note:

SEMI Global 2021 Calendar of SEMICON and other Events.

2021 Critical Dates for SEMI Standards Ballots

**Attachment:** [I&C TC Staff Report 20210416](#)

**5. Ballot Review**

**Title: Doc#6506B, New Standard: Specification for Cybersecurity of Fab Equipment**

Draft#:6506B Voting Reject Comment from Matsuda, Mitsuhiro ,KKR

Negative Reference: 8. Network Security Requirement/8.2

Negative Text: Referenced Section/ Paragraph: [E<6506> RQ-00003-00]

I think it is equipment user’s choice to use normal(unsafe) transmission protocol and secure transmission protocol. This requirement force to use only secure transmission protocol.

This requirement shall be as following.

[E<6506> RQ-00003-00] Equipment that provides applications of web service, file transfer, and terminal service (telnet) shall only support have capability of secure transmission protocols if applicable like HTTPS, SFTP, and SSH accordingly. [/RQ]

**Motion:** New Standard: Specification for Cybersecurity of Fab Equipment Failed, Back to TF rework

**By:** Vannia Lin / ITRI

**Second:** Yufeng Huang / Kxware information Technology

Discussion: None.

Result: 13-Y 0-N Voting Result: Pass - 100.00%

**Motion:** Authorize the 6506C for ballot cycle5, 2021

**By:** Ming Hui Chung / ITRI

**Second:** MichaelLee / Cimatrix

Discussion: All agreed to submit ballot to Cycle 5



Result: 13-Y 0-N Voting Result: Pass - 100.00%

**6. Subcommittee and Task Force Reports**

GEM300 Task Force : None

Equipment Information Integration Task Force: None

Backend Factory Integration TF: None

Fab and Equipment Information Security TF: Update the 6506B current status

**7. Old Business**

None

**8. New Business**

Propose the new TF of EECDG formation, get TC members' approval.

**Title:** Authorize new EECDG TF for Equipment Edge Computing Data Governance activity

**Motion:** Authorized new potential EECDG TF for Equipment Edge Computing Data Governance activity

**By:** Jack Huang / Fil Technology

**Second:** Clare Liu / Cimatrix

Discussion: All agreed to form new TF of EECDG (Equipment Edge Computing Data Governance).

Result: Result: 14-Y 0-N Voting Result: Pass - 100.00%

**9. Next Meeting and Adjournment**

The next meeting is scheduled for July. 30, 2021 at SEMI Taiwan office. See <http://www.semi.org/standards-events> for the current list of events.

Adjournment: 15:00

Respectfully submitted by:

Cher Wu

Senior Executive Consultant

SEMI Taiwan

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Email: [cherwu@semi.org](mailto:cherwu@semi.org)

Minutes tentatively approved by:

Scott Yu (TSMC), chair	2021/4/26 approved

**Table 13 Index of Available Attachments#1**

<i>Title</i>	<i>Title</i>
01_Meeting Elements 2020	05_ Liaison report_InC_KR__Apr2021
02_ 20210107 I&C Meeting Minutes_v6	06_ I&C TC Staff Report 20210416



**Table 13 Index of Available Attachments#1**

03 <u>NA I&amp;C Liaison Report 2021-April v1</u>	07_EECDG TF
04 <u>202104 JA I&amp;C LiaisonR v1.0</u>	

#1 Due to file size and delivery issues, attachments must be downloaded separately. A .zip file containing all attachments for these minutes is available at [www.semi.org](http://www.semi.org). For additional information or to obtain individual attachments, please contact [SEMI Staff Name] at the contact information above.