Information and Control Korea TC Chapter

Meeting Summary and Minutes

Friday, September 23, 2023, 15:00 – 19:00

Yangyang-si, Kangwon-do

TC Chapter Announcements

Next TC Chapter Meeting

Thursday, February 2, 2023, 10:00 – 12:00, KST in conjunction with SEMICON Korea 2023

Coex, Seoul, Korea

Table 1 Meeting Attendees

Italics indicate virtual participants.

Co-Chairs: Chulhong Ahn (SK hynix) Hyungsu Kim (Doople), Kelvin Lee (Lam Research)
SEMI Staff: Natalie Shim (SEMI Korea)

Company	Last	First	Company	Last	First
ASM	Shim	Jongsub	Linkgenesis	Jung	Mingyu
ASM	Jung	Il-Gun	Miracom	Kim	Kyungtae
BISTelligence	Kim	Charlie	Miracom	Lee	Haesin
Cimetrix	*Ryu*	*Jongha*	*PEER Group*	*Fuchigami*	*Albert*
Doople	Kim	Hyungsu	SK hynix	Ahn	Chulhong
Global Zenus	Kim	Namjin	TEL Korea	Im	Louis
Linkgenesis	Baek	Inhyeok			

Table 2 Leadership Changes

WG/TF/SC/TC Name	Previous Leader	New Leader
DDA TF	Inhyeok Baek	none

Table 3 Committee Structure Changes

Previous WG/TF/SC Name	New WG/TF/SC Name or Status Change
None	

Table 4 Ballot Results

Document #	Document Title	Committee Action
None		

#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

#	Type	SC/TF/WG	Details
None			

Table 6 Authorized Activities

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

#	Type	SC/TF/WG	Details
None			

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

http://downloads.semi.org/web/wstdsbal.nsf/TFOFSNARF

Table 7 Authorized Ballots

#	When	TF	Details
5832C	Cycle 9	GEM 300 TF	New Standard, Specification for Equipment Generic Counter Model, (EGCM)

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

#	TF	Title	Expiration Date
None			

Table 9 SNARF(s) Abolished

#	TF	Title
None		

Table 10 Standard(s) to receive Inactive Status

Standard Designation	Title
None	

Table 11 New Action Items

Item #	Assigned to	Details
20220923-1	Kelvin Lee (Lam Research), Haesin Lee(Miracom), Kyunghwan Cha (Linkgenesis)	Draft a TFOF for Equipment Software Changing TF formation and submit approval for the next TC Chapter Meeting

Table 12 Previous Meeting Action Items

Item #	Assigned to	Details
None		

1 Welcome, Reminders, and Introductions

Chulhong Ahn (SK hynix) called the meeting to order at 15:00. The meeting reminders on antitrust issues, intellectual property issues, and holding meetings with international attendance were reviewed. Attendees introduced themselves.

Attachment: 01, Meeting requirement

2 Review of Previous Meeting Minutes

The TC Chapter reviewed the minutes of the previous meeting.

Motion:	Approve the previous meeting minutes as written
By / 2ⁿᵈ:	Il-Gun Jung (ASM) / Kyungtae Kim (Miracom)
Discussion:	None
Vote:	12 Y – 0 N, Motion carried

Attachment: 02, Previous meeting minutes – April 9, 2021

3 Liaison Reports

3.1 *I&C North America TC Chapter*

Natalie Shim (SEMI Korea) reported for the I&C NA TC Chapter. Of note:

3.1.1 Next Meeting: November 9, 2022 at SEMI HQ, Milpitas, CA (Tentative)

3.1.2 Ballot Results

- 18 ballots including multiple line item revisions were adjudicated. Please see the report for the details.

3.1.3 Authorized Ballots

- 19 ballots were authorized for the cycles in 2H of 2022.

Attachment: 03, NA I&C Liaison report 2022-August

3.2 *I&C Japan TC Chapter*

Natalie Shim (SEMI Korea) reported for the I&C Japan TC Chapter. Of note:

3.2.1 Next Meeting: December 16, 2022 in conjunction with SEMICON Japan 2022 at Tokyo Big Sight, Tokyo (OVTCCM)

3.2.2 Leadership Change

- Motoki Miyamoto (Yokogawa Solution Service Corporation) was newly appointed as a co-leader of GEM300 TF.

3.2.3 Committee Structure Change

- Backend Factory Integration TF was discharged.

3.2.4 SEMI SECS/GEM300 Tutorials (on-demand) are planned in 2022.

Attachment: 04, Japan I&C Liaison report_20220922

3.3 *I&C China TC Chapter*

Natalie Shim (SEMI Korea) reported for the I&C China TC Chapter. Of note:

3.3.1 Next Meeting: TBD

3.3.2 Committee Structure Change

- GEM300 TF was newly formed.

3.3.3 Authorized Activity

- SNARF XXXX, Line Item Revision to SEMI E87-0921, Specification for Carrier Management (CMS) and E87.1-0921, Specification for SECS-II Protocol for Carrier Management (CMS), and E5-0821 Specification for SEMI Equipment Communications STANDARD 2 Message Content (SECS-II)

Attachment: 05, China I&C Liaison report_2022

3.4 *I&C Taiwan TC Chapter*

Natalie Shim (SEMI Korea) reported for the I&C Taiwan TC Chapter. Of note:

3.4.1 Next Meeting: TBD

3.4.2 Authorized Activities

- SNARF 6938 (New Standard, Guide for Equipment Edge Data Governance (EEDG))

3.4.3 Task Force Highlights

3.4.3.1 Fab & Equipment Information Security TF proposed to promote E187 workshop. SEMI Taiwan and ITRI will organize three webinars each.

3.4.3.2 Equipment Edge Data Governance TF prioritized 7 items which have to be considered in their future standardization activity.

- Data Inventory
- Data Access Security
- Data Categorization and Metadata Management
- System Health
- Data Ownership, Retention & Latency
- Data Quality & Value
- Data Change Management

Attachment: 06, Taiwan I&C Liaison report_2022_July

3.5 *SEMI Staff Report*

Natalie Shim(SEMI Korea) gave the SEMI Staff Report. Of note:

3.5.1 Update SEMI global events and SEMI Standards Ballot critical dates.

Attachment: 07, Staff report_2022_Sept

4 Ballot Review

NOTE 1: TC Chapter adjudication on ballots reviewed is detailed in the Audits & Review (A&R) Subcommittee Forms for procedural review. The A&R forms are available as attachments to these minutes. The attachment number for each balloted document is provided under each ballot review section below.

There is no ballot to review.

5 Subcommittee and Task Force Reports

No updates for all task forces.

6 Old Business

6.1 *5832 (*New Standard, Specification for Equipment Generic Counter Model, (EGCM))

Natalie Shim (SEMI Korea) addressed the committee on how to handle this document because it has been on hold for over 3 years. Il-Gun Jung (ASM), the leader of this activity agreed to continue it.

Motion:	Authorized 5832C (New standard, Specification for Equipment Generic Counter Model, EGCM) for cycle 9 of 2022.
By / 2ⁿᵈ:	Il-Gun Jung (ASM) / Jongsub Shim (ASM)
Discussion:	None
Vote:	9 Y – 0 N, Motion carried

7 New Business

7.1 Equipment Software Change Management

7.1.1 Background

7.1.1.1 In the semiconductor manufacturing process line, H/W and S/W updates to the equipment are performed but most cases are done manually under the customer's approval.

7.1.1.2 Such manual management can cause the inefficiency of version management between the equipment. It increases the possibility of human error and eventually lowers equipment availability, which can reduce equipment operation efficiency as a whole factory.

7.1.2 Discussion

7.1.2.1 Per the discussion, the committee decided to form a new task force to handle this activity.

7.1.2.2 Developing a new standard that only covers software version management is suitable rather than revising existing standards.

7.1.2.3 New activity only covers equipment software only. Application Level will not be included in the scope.

7.1.2.4 Version naming could be different from company to company.

7.1.2.5 Object Model for software version including sub-module version/hierarchy.

7.1.2.6 Committee agreed that there are many topics to discuss more for drafting scope and object. The discussion will be continued at the next meeting.

8 Next Meeting and Adjournment

The next meeting is scheduled for Thursday February 2, 2023 in conjunction with SEMICON Korea 2023 at in Seoul See http://www.semi.org/standards-events for the current list of events.

Adjournment: 19:00

Respectfully submitted by:

Natalie Shim

Manager

SEMI Korea

Phone: 82.2.531.7808

Email: eshim@semi.org

Minutes tentatively approved by:

Chulhong Ahn (SK hynix), Co-chair	<Date approved>
Hyungsu Kim (Doople), Co-chair	<Date approved>
Kelvin Lee (Lam Research), Co-chair	<Date approved>

Table 13 Index of Available Attachments[#1]

Title	Title
01, Meeting requirement	05, China I&C Liaison report_2022
02, Previous meeting minutes – April 9, 2021	06, Taiwan I&C Liaison report_2022_July
03, NA I&C Liaison report 2022-August	07, Staff report_2022_Sept
04, Japan I&C Liaison report_20220922	

#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. For additional information or to obtain individual attachments, please contact [SEMI Staff Name] at the contact information above.