



FHE Taiwan TC Chapter

Virtual Meeting Summary and Minutes

Friday, May 19, 2023, 13:30 – 15:30

OVTCCM

TC Chapter Announcements

Next TC Chapter Meeting

October 4, 2023

Table 1 Meeting Attendees

Italics indicate virtual participants

Chair: *Steve Huang (AIQ)*

SEMI Staff: *Cher Wu, Ada Tai, Chris Su*

| Company | Last | First | Company | Last | First |
|---------------------------|-------------|------------------|-------------|-------------|------------------|
| <i>Applied Materials</i> | <i>Wu</i> | <i>Shih Tse</i> | <i>ITRI</i> | <i>Hung</i> | <i>Shao-Tang</i> |
| <i>ASE Group</i> | <i>Chen</i> | <i>MING-HUNG</i> | <i>ITRI</i> | <i>Lee</i> | <i>Doug</i> |
| <i>Brewer Science</i> | <i>Lee</i> | <i>Alvin</i> | <i>ITRI</i> | <i>Ko</i> | <i>Hong Hsin</i> |
| <i>GENERAL SILLICONES</i> | <i>Liu</i> | <i>Jeff</i> | | | |

Table 2 Leadership Changes

| WG/TF/SC/TC Name | Previous Leader | New Leader |
|------------------|-----------------|------------|
| 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 |
|-----|-------|------------------------------------|---|
| TBD | SNARF | FHE System for Wearable Task Force | New Standards for Test Method of Electromyography Sensing Technology of Flexible Hybrid Electronics and Electronic Textiles |
| | | | |

#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 |
|-------|-------------|------------------------------------|---|
| 6873A | Cycle6,2023 | FHE System for Wearable Task Force | New Standard: Guide for Salt Mist and Washability Test Flow for Control Module Connector of Electronic textiles |
| | | | |

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 |
|--------|---------------------|--|
| 1 | SEMI Staff | To contact SEMI Japan Standards Staff get the FHE Draft Document #6978 & SNARF for Taiwan FHE TC & TF subcommittee member Review at this moment |
| 2 | TF Leader – Doug Li | To assign ITRI experts to visit SEMICON West 2023, share technical poster and visit Flextech company exhibitors, exchange information and seek collaboration opportunity |
| 3 | TF Leader – Doug Li | After visit SEMICON West 2023, will develop the visiting report and summary for promotion materials |
| 4 | TF and SEMI Staff | Plan a promotion workshop in June or September, invite industry leader to join and exchange opinion |

Table 12 Previous Meeting Action Items

| <i>Item #</i> | <i>Assigned to</i> | <i>Details</i> |
|---------------|---|---|
| 1 | <i>Shih Tse Wu, Applied Materials</i> | -To collect the Display of foldable test material to refer if it can be applied to FHE. _Open |

1. Welcome, Reminders, and Introductions

Committee Co-Chair Steve Huang (AiQ) called the meeting to order at 14:00 and gave a brief opening remark. The meeting reminders on antitrust issues, intellectual property issues and holding meetings with international attendance are reviewed. Attendees introduced themselves.

Attachment: Required Element Nov 2020

2. Review of Previous Meeting Minutes

The TC Chapter reviewed the minutes of the previous meeting.

Motion: Approve previous meeting minutes

By / 2nd: MING-HUNG CHEN (ASE Group) / Shao-Tang Hung (ITRI)

Discussion: None

Vote: 7-0 in favor. Motion passed

Attachment: FHE TC Meeting Minutes 20220629 v1

3. Liaison Reports

3.1 Flexible Hybrid Electronics (FHE) Japan TC Chapter

Cher Wu (SEMI) reported for the TC Chapter. Of note:

Attachment: JA FHE TC Chapter Liaison Report May 2023 R1

4. SEMI Staff Report

Cher Wu reported about

1. SEMICON event
2. Ballot cycle 2023
3. FH1 & FH2 was published in March. To discuss the plan of promotion of FH1/FH2 published documents.
 - 3.1 TF Leader – Doug Li To assign ITRI experts to visit SEMICON West 2023, share technical poster and visit Flextech company exhibitors, exchange information and seek collaboration opportunity
 - 3.2 TF Leader – Doug Li After visit SEMICON West 2023, will develop the visiting report and summary for promotion materials
 - 3.3 TF and SEMI Staff Plan a promotion workshop in June or September, invite industry leader to join and exchange opinion

Attachment: FHE TC Staff Report 20230519

5. Ballot Review

None

6. Task Force Reports

FHE System for Wearable Task Force

Doug Lee reported the Status of #6873 and New SNARF, Drafts will submit to the ballot cycle6,2023.

(1) #6873A will submit to cycle6 after TF rework.

(2) New SNARF for Test Method of Electromyography Sensing Technology of Flexible Hybrid Electronics and Electronic Textiles

Shao-Tang Hun reported the Draft for #6873 and New SNARF.

7. Old Business

-To collect the Display of foldable test material to refer if it can be applied to FHE. _Open

8. New Business

Authorize the Document #6873A New Standard: Guide for Salt Mist and Washability Test Flow for Control Module Connector of Electronic textiles for Letter Ballot Cycle.

Motion: Authorize the Document #6873A for Letter Ballot Cycle 6,2023

By: Doug Lee / ITRI

Second: Alvin Lee / Brewer Science

Discussion: None

Result: Result: 7-0 in favor. Motion passed

Approve the SNARF for: Test Method of Electromyography Sensing Technology of Flexible Hybrid Electronics and Electronic Textiles

Motion: Approve the SNARF

By: Shao-Tang Hung (ITRI)

Second: MING-HUNG CHEN/ ASE Group

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

Result: Result: 7-0 in favor. Motion passed

Summary:

8.1 To invite Taiwan FHE members to participate FHE Japan Meeting if resource ready to support.

8.2 Organize subcommittee to review the Japan draft #6978 & SNARF, then feedback to Japan FHE before cycle ballot submission _Steve Huang

8.3 Assign the SEMI Staff to contact with Japan staff to get the Draft #6978 and SNARF document.

9. Next Meeting and Adjournment

The next meeting is scheduled for Wednesday, October 4, 2023 at SEMI Taiwan office(Hybrid) See <http://www.semi.org/standardsevents> for the current list of events.

All TC members took a group photo.

10. Adjournment was at 14:50.

Respectfully submitted by:

Cher Wu

Senior Executive Consultant



SEMI Taiwan

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Minutes tentatively approved by:

| | |
|-------------------|-------------------|
| Co-Chair | Date approved |
| Steve Huang / AiQ | 2023/6/1 approved |

Table 13 Index of Available Attachments^{#1}

| <i>Title</i> | <i>Title</i> |
|---|---|
| 01. <u>Required Element Nov 2020</u> | 03. <u>JA FHE TC Chapter Liaison Report May 2023 R1</u> |
| 02. <u>FHE TC Meeting Minutes 20220629 v1</u> | 04. <u>FHE TC Staff Report 20230519</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. For additional information or to obtain individual attachments, please contact [SEMI Staff Name] at the contact information above.