



FHE Taiwan TC Chapter

Meeting Summary and Minutes

Wednesday, Dec 2, 2020, 14:00 – 15:30

SEMI Taiwan Office

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

TC Chapter Announcements

Next TC Chapter Meeting

Feb. 23, 2021 (Tue.), 14:00 – 15:30

SEMI Taiwan Office, Hsinchu, Taiwan

Table 1 Meeting Attendees

Chair: Steve Huang (AIQ)

SEMI Staff: Ada Tai, Andy Tuan

<i>Company</i>	<i>Last</i>	<i>First</i>	<i>Company</i>	<i>Last</i>	<i>First</i>
AiQ	Yang	Tong	ITRI	Lan	Yu-Ping
ASE	Chen	Oudi	ITRI	Sun	Eric
Brewer Science	Lee	Alvin	ITRI	Pong	Bao-Jen
CymMetrik	Kuo	Simon	ITRI	Hung	Shao-Tang
General Silicones	Mukherjee	Anupam	ITRI	Cheng	Yuh-Chuan
General Silicones	Chen	Yi-Wen	ITRI	Hsu	Jeff
ITRI	Chiu	Steve	Singular Wings Medical *	Liao	Jesse
ITRI	Cheng	Wei-Yuan	WiseChip	Chen	Telu
ITRI	Lee	Cheng-Chung			

*: Remote participation via MS-Teams

Table 2 Leadership Changes

<i>WG/TF/SC/TC Name</i>	<i>Previous Leader</i>	<i>New Leader</i>

Table 3 Committee Structure Changes

<i>Previous WG/TF/SC Name</i>	<i>New WG/TF/SC Name or Status Change</i>

Table 4 Ballot Results

<i>Document #</i>	<i>Document Title</i>	<i>Committee Action</i>
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 SNARF 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
6690	2021-Cycle1	FHE for Wearable	New Standard: Test Method of Line Impedance for Flexible Hybrid Electronics
6691	2021-Cycle1	FHE for Wearable	New Standard: Test Method of Sheet Resistance for Flexible Hybrid Electronics

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	FHE for Wearable TF	Promote FHE standards activities with photos of test samples and equipment in future articles
2	FHE for Wearable TF	Promote FHE standards activities to global SDO/conferences such as IPC, AATCC, and SID.

Table 12 Previous Meeting Action Items

Item #	Assigned to	Details
None		



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: Agenda_20201202 FHE TC Meeting

2. Review of Previous Meeting Minutes

Motion: Approve previous meeting minutes document

By: Oudi Chen / ASE

Second: Steve Chiu / ITRI Discussion: After review, all TC members agreed to approve it

Vote: 16:0

Attachment: Meeting Minutes_20201006 FHE TC Meeting

3. Liaison Reports

None

4. SEMI Staff Report

Ada reported about SEMI global ballot cycles in 2021.

Attachment: 2021 SEMI Standards Global Ballot Cycle

5. Ballot Review

None

6. Task Force Reports

Dr. Eric Sun of ITRI represented the task force to present the highlights of two draft documents to the TC Chapter and request for approval from the TC members.

6.1 The TC Chapter reviewed the Draft Document # 6690 “New Standard: Test Method of Line Impedance for Flexible Hybrid Electronics” submitted by FHE for Wearable TF.

Motion: Approve Draft Document #6690

By: Alvin Lee / Brewer Science

Second: Bao-Jen Pong / ITRI

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

Vote: 16:0

Attachment: Draft Document Test Method of Line Impedance for FHE

6.2 The TC Chapter reviewed the Draft document #6691 “Test Method of Sheet Resistance for Flexible Hybrid Electronics” submitted by FHE for Wearable TF.

Motion: Approve Draft Document #6691

By: Shao-Tang Hung / ITRI

Second: Steve Chiu / ITRI

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

Vote: 16:0

Attachment: Draft Document Test Method of Sheet Resistance for FHE

7. Old Business

None

8. New Business

8.1 Promote FHE standards activities with photos of test samples and equipment in future articles

- A/R: AiQ and Singalar Wings Medical to prepare test samples and work with ITRI to take photos of test samples and equipment at ITRI lab

8.2 Promote FHE standards activities and new topics to global SDO/conference such as IPC, AATCC, and SID.

- A/R: Task force to share existing articles with peer organizations and start to draft the next article with focus on new topics related to reliability test and aging test



9. Next Meeting and Adjournment

The next meeting is tentatively scheduled at 2pm on Feb 23 2021 (Tue) in SEMI Taiwan Office in Hsinchu.

All TC members took a group photo.

Adjournment was at 15:30.

Respectfully submitted by:

Cher Wu

Senior Executive Consultant

SEMI Taiwan

Phone: +886-933-976766

Email: cherwu@semi.org

Minutes tentatively approved by:

Steve Huang / AiQ	12/16/2020
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Table 13 Index of Available Attachments^{#1}

<i>Title</i>	<i>Title</i>
01. Agenda_20201202 FHE TC Meeting	05. Draft Document Test Method of Sheet Resistance for FHE
02. Meeting Minutes_20201006 FHE TC Meeting	
03. 2021 SEMI Standards Global Ballot Cycle	
04. Draft Document Test Method of Line Impedance for FHE	

#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.