



FPD Metrology Taiwan TC Chapter

Meeting Summary and Minutes

Taiwan Summer Standards Meeting 2017
 Friday, June 1, 2018, 15:00 – 16:30 (PDT)
 ITRI Office, Hsinchu, Taiwan

TC Chapter Announcements

Next TC Chapter Meeting
 October 5, 2018, 15:00 – 16:30
 ITRI Office, Hsinchu, Taiwan

Table 1 Meeting Attendees

Co-Chairs: Jia-Ming Liu (ITRI)
SEMI Staff: Dean Chang

<i>Company</i>	<i>Last</i>	<i>First</i>	<i>Company</i>	<i>Last</i>	<i>First</i>
ITRI	Yao	Mike	ITRI	Wen	Chao-Hua
ITRI	Tsai	Sarah	ITRI	Hung	Shao-Tang
ITRI	Sun	Pei-Li	ITRI	Liao	S.C.
ITRI	Pong	Bao-Jen	Innolux	Chen	Fu-Cheng
Boson	Wang	K.S.			

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>
6302A	Line Item Revision of SEMI D56-0310, TEST METHOD FOR MEASUREMENT FOR AMBIENT CONTRAST OF LIQUID CRYSTAL DISPLAYS	Passed
6304A	Reapproval of SEMI D58 0310, Terminology And Test Pattern For The Color Breakup Of Field Sequential Color Display	Passed
6305A	Line Item Revision of SEMI D59-0710, Terminology for 3D Display	Passed
6306A	Line Item Revision of SEMI D62-0611, Test Method for Measurement of LED Light Bar for Liquid Crystal Displays	Passed
6307A	Line Item Revision of SEMI D65-1011, Test Method for Measurement for the Color Breakup of Field Sequential Color Display	Passed
6308A	Line Item Revision of SEMI D68-0512, Test Method for Optical Properties of Electronic Paper Displays	Passed

#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/TFOFSNARF>

Table 7 Authorized Ballots

<i>#</i>	<i>When</i>	<i>TF</i>	<i>Details</i>
5948B	Cycle 6-18	Flexible Displays Task Force	New Standard: Guide for Mechanical Stress Test Methods in the Measurement of Gas Barrier Performance for Flexible Display Components under a Normal Usage Condition
5949A	Cycle 6-18	Flexible Displays Task Force	New Standard: TEST METHOD FOR LOCAL AND OVERALL FLICKER OF FLEXIBLE DISPLAYS
6201	Cycle 6-18	Transparent Display Task Force	New Standard: Guide for Tone Reproduction Curves for Transparent Displays

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

#	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	Dean Chang	Ask Kevin the procedure question.

Table 12 Previous Meeting Action Items

Item #	Assigned to	Details
1	Chien-Yu Chen (NTUST)	Study the feasibility of forming AR/VR Task Force
2	Dean Chang (SEMI Staff)	Forward TFOF form to Chien-Yu Chen (NTUST) to form AR/VR Task Force

1 Welcome, Reminders, and Introductions

Committee Co-Chair Jia-Ming Liu (ITRI) 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: SEMI Standards Required Elements

2 Review of Previous Meeting Minutes

The TC Chapter reviewed the minutes of the previous meeting.

Motion: Approve previous meeting minute
By / 2nd: Chao-Hua Wen (ITRI) / Fu-Cheng Chen (Innolux)
Discussion: After review, all TC members agreed to approve it
Vote: 9-0 in favor. Motion passed

Attachment: 20171222_FPD Meeting Minutes

3 Liaison Reports

3.1 FPD JP TC Chapter

3.1.1 Dean Chang (SEMI Staff) reported for the FPD JP TC Chapter. Of note:

Action Item:

- Current Committee Structure
 - D31 Revision TF is discharged.
- Next meeting will be held in October, 2018
- Task Force Updates
 - D31 Revision Task Force
 - Doc.6101, Line Item Revision to SEMI D31-0213, with title change from “Definition of Measurement Index (DSEMU) for Luminance Mura in FPD Image Quality Inspection” to “Guide for Definition of Measurement Index (DSEMU) for Luminance Mura in FPD Image Quality Inspection
 - The TC Chapter approved the TF’s discharge at the meeting on May 28, 2018

Attachment: 180530_JA_FPD_Met_LiaisonReport_v1

3.2 FPD KR TC Chapter

3.2.1 Dean Chang (SEMI Staff) reported for the FPD KR TC Chapter. Of note:

Action Item:

- Next meeting will be held on June 8, 2018 at LG Display, Seoul
- Task Force report
 - Perceptual Viewing Angle TF
 - Project is over. It is about to disband.
 - Perceptual Image Quality TF
 - 6351 (Test Method for Viewing Angle of FPD) failed to reach 60% return rate.
 - SNARF 6351 revised for the title change from Test Method to Specification.
 - 6351A (Specification for Viewing Angle of FPD) authorized in cycle 4

Attachment: KR_FPDM_2018_May

3.3 SEMI Staff Report

Dean Chang (SEMI Staff) gave the SEMI Staff Report. Of note:

Action Item:

- Report the SEMI Global 2018 Calendar of Events.
- Report the 2018 Critical Dates for SEMI Standards Ballots. http://www.semi.org/en/Standards/P_000788

Attachment: FPD Staff report_20180606

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.

4.1 Doc.6302A “Line Item Revision of SEMI D56-0310, TEST METHOD FOR MEASUREMENT FOR AMBIENT CONTRAST OF LIQUID CRYSTAL DISPLAYS”

- Propose A&R forms of Doc.6302A to submit for procedural review.

Motion: Approve A&R forms of Doc.6302A to submit for procedural review.

By / 2nd: Chao-Hua Wen (ITRI) / Fu-Cheng Chen(Innolux)

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

Vote: 9-0 Motion in favor. Passed

Attachment: 6302A A&R form

4.2 Doc.6304A “Reapproval of SEMI D58 0310, Terminology And Test Pattern For The Color Breakup Of Field Sequential Color Display”

- Propose A&R forms of Doc.6304A to submit for procedural review.

Motion: Approve A&R forms of Doc.6304A to submit for procedural review.

By / 2nd: Chao-Hua Wen (ITRI) / Fu-Cheng Chen(Innolux)

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

Vote: 9-0 Motion in favor. Passed

Attachment: 6304A A&R form

4.3 Doc.6305A “Line Item Revision of SEMI D59-0710, Terminology for 3D Display”

- Propose A&R forms of Doc.6305A to submit for procedural review.

Motion: Approve A&R forms of Doc.6305A to submit for procedural review.

By / 2nd: Chao-Hua Wen (ITRI) / Fu-Cheng Chen(Innolux)

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

Vote: 9-0 Motion in favor. Passed

Attachment: 6305A A&R form

4.4 Doc.6306A “Line Item Revision of SEMI D62-0611, Test Method for Measurement of LED Light Bar for Liquid Crystal Displays”

- Propose A&R forms of Doc.6306A to submit for procedural review.

Motion: Approve A&R forms of Doc.6306A to submit for procedural review.

By / 2nd: Chao-Hua Wen (ITRI) / Fu-Cheng Chen(Innolux)

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

Vote: 9-0 Motion in favor. Passed

Attachment: 6306A A&R form

4.5 Doc.6307A “Line Item Revision of SEMI D65-1011, Test Method for Measurement for the Color Breakup of Field Sequential Color Display”

- Propose A&R forms of Doc.6307A to submit for procedural review.



Motion: Approve A&R forms of Doc.6307A to submit for procedural review.
By / 2nd: Chao-Hua Wen (ITRI) / Fu-Cheng Chen(Innolux)
Discussion: After review, all TC members agreed to approve it
Vote: 9-0 Motion in favor. passed

Attachment: 6307A A&R form

4.6 Doc.6308A “Line Item Revision of SEMI D68-0512, Test Method for Optical Properties of Electronic Paper Displays”

- Propose A&R forms of Doc.6308A to submit for procedural review.

Motion: Approve A&R forms of Doc.6308A to submit for procedural review.
By / 2nd: Chao-Hua Wen (ITRI) / Fu-Cheng Chen(Innolux)
Discussion: After review, all TC members agreed to approve it
Vote: 9-0 Motion in favor. passed

Attachment: 6308A A&R form

5 Task Force Reports

5.1 Flexible Displays Task Force

- Doc.5948B “New Standard: Guide for Mechanical Stress Test Methods in the Measurement of Gas Barrier Performance for Flexible Display Components under a Normal Usage Condition” will be ballot for Cycle 6-18.
- Doc.5949A “New Standard: TEST METHOD FOR LOCAL AND OVERALL FLICKER OF FLEXIBLE DISPLAYS” will be ballot for Cycle 6-18.

5.2 Transparent Display Task Force

- Doc.6201 “New Standard: Guide for Tone Reproduction Curves for Transparent Displays” will be ballot for Cycle 6-18.
- (Doc 6302A, 6304A, 6305A, 6306A, 6307A, 6308A) Ballot Review for A&R procedural review.

6 Old Business

6.1 Chien-Yu Chen (NTUST) will study the feasibility of forming AR/VR Task Force and will report in the next TC meeting...Ongoing

6.2 Dean Chang (SEMI Staff) will forward TFOF form to Chien-Yu Chen (NTUST) to form AR/VR Task Force

7 New Business

7.1 Dean will ask Kevin the ballot procedure question.

8 Next Meeting and Adjournment

The next meeting is scheduled for October 5, 2018 at ITRI Office. See <http://www.semi.org/standards-events> for the current list of events.

Adjournment was at 16:30.



Respectfully submitted by:
Dean Chang
Senior Executive Consultant
SEMI Taiwan
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Minutes tentatively approved by:

B.J. Pong (ITRI), Deputy Co-chair	2018/10/5
<Name> (<Company>), Co-chair	<Date approved>

Table 13 Index of Available Attachments#1

<i>Title</i>	<i>Title</i>
1_SEMI Standards Required Elements	4.2_6304A A&R form
2_20171222_FPD Meeting Minutes	4.3_6305A A&R form
3.1_180530_JA_FPD_Met_LiaisonReport_v1	4.4_6306A A&R form
3.2_KR_FPDM_2018_May	4.5_6307A A&R form
3.3_FPD Staff report_20180606	4.6_6308A A&R form
4.1_6302A A&R form	

#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.