

# Taiwan 3DS-IC Committee

## Meeting Summary and Minutes

Taiwan 3DS-IC TC Chapter Meeting  
Oct 6, 2015 (Tue), 14:00-16:00  
SEMI Taiwan Office

### Next Committee Meeting

Tentatively Q1 2016 depending on the progress of ballot preparation  
SEMI Taiwan office, Hsinchu

### Committee Announcements (optional)

None

### Table 1 Meeting Attendees :

**Co-chairs:** TK Ku (ITRI), Roger Hwang (ASE), Wendy Chen (KYECC)

**SEMI Staff:** Andy Tuan, Dean Chang


<i>Company</i>	<i>Last</i>	<i>First</i>	<i>Company</i>	<i>Last</i>	<i>First</i>
KYECC	Chen	Wendy	ASE	Hwang	Roger
ITRI	Yao	Mike	Techcet	Yang	Jerry
ITRI	Tzeng	PJ	ITRI	Lee	Li-Heng
MANZ	Lin	Tsuan	CMPUGTW	Kong	LC
KYECC	Tsai	MC			

### Table 2 Leadership Changes :

None

### Table 3 Ballot Results (or move to Section 4, Ballot Review)

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

<i>Document #</i>	<i>Document Title</i>	<i>Committee Action</i>	<i>A&amp;R Forms for Approved Ballots</i>
5688A	New Standard: GUIDE FOR OVERLAY PERFORMANCE ASSESSMENT FOR 3DS-IC PROCESS	<b>Passed</b>	 5688A Ballot report-3.docx

### Table 4 Authorized Ballots (or move to Section 7, New Business)

None

**Table 5 Authorized Activities (or move to Section 7, New Business)**

None

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

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

**Table 6 New Action Items (or move to Section 8, Action Item Review)****Table 7 Previous Meeting Actions Items (or move to Section 8, Action item Review)**

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**1 Welcome, Reminders, and Introductions**

Dr. TK Ku (ITRI) called the meeting to order at 10:00. After welcoming all attendees, the SEMI meeting reminders on antitrust issues, intellectual property issues and practices for international attendance were reviewed. Attendees introduced themselves.

**2. Review of Previous Meeting Minutes**

The committee reviewed and approved the minutes of the previous meeting.

*Attachment: 3DS-IC Meeting Minutes 20150703*

- ✓ Motion: Approve previous meeting minutes
- ✓ By / 2nd: Mike Yao (ITRI) / Liheng Lee (ITRI)
- ✓ Discussion: All TC members have no disagreement
- ✓ Vote: 9-0-0 Motion passed.

**3. Staff Report and Liaison Report**

- Staff report:
  - SEMICON Taiwan 2015 Event Update & Year-end Appreciation Dinner Pre-announcement

*Attachment: SEMICON Taiwan 2015 Update*

- Liaison Report –

- NA 3DS-IC Committee

*Attachment: SEMI NA 3DS-IC Liaison Report*

- Japan 3DS-IC Study Group

*Attachment: SEMI Japan 3DS-IC Liaison Report*

**4. Ballot Review**

- Review Doc. #5688A “New Standard: GUIDE FOR OVERLAY PERFORMANCE ASSESSMENT FOR 3DS-IC PROCESS” ballot result: Return rate = 60.4% > required 60% passed. No rejects/negatives. 2

comments from accept respondents. Review all comments to confirm if they are editorial and approve necessary editorial changes.

- ✓ Motion 1: to approve the editorial changes to respond to comment 1
- ✓ By / 2nd: Roger Hwang / LC Kong (CMPUGTW)
- ✓ Discussion: Suggested changes are valid. The committee agrees to follow.
- ✓ Voted: 9-0-0 Motion passed
  
- ✓ Motion 2: to approve TF's suggestion not to take further action on comment 2
- ✓ By / 2nd: Mike Yao (ITRI) / Liheng Lee (ITRI)
- ✓ Discussion: The committee agreed with TF's suggestion not to take further action
- ✓ Voted: 9-0-0 Motion passed
  
- ✓ Motion 3: approve safety check on this document
- ✓ By / 2nd: Jerry Yang (Techcet) / Mike Yao (ITRI)
- ✓ Discussion: The committee agrees that Doc. 5688A is not a safety document.
- ✓ Voted: 9-0-0 Motion passed
  
- ✓ Motion 4: approve next step action for this document
- ✓ By / 2nd: Wendy Chen (KYECC) / Liheng Lee (ITRI)
- ✓ Discussion: This document passed committee review with editorial changes and will be forwarded to the A&R for procedural review
- ✓ Voted: 9-0-0 Motion passed

## 5. Task Force Update

### Testing TF

- Study the feasibility to work on new technical topics combining probing and testing process for new IC packaging application. Looking for opportunity to reduce both technology cost and transaction cost for the industry by developing new standard.

### Middle-end Process TF

- Continue to work on Doc#5800 and target 1Q2016 to finish drafting ballot
- Study the feasibility to work on new technical topics

## 6. Old Business

### Status update on previous TC meeting A/Rs

- Roger Hwang and Erh-Hao Chen will invite Inotera to join the committee (ongoing)
- Check and clarify the inspection definition in SEMI 3DI-0912 "Terminology for 3DS-IC" (ongoing, Testing TF to follow up)

- Check with ASE to appoint a new Middle-end TF member (completed, WM Hsiao is appointed)
- Continue to evaluate the feasibility to transfer prior work done by the recently disbanded NA 3DS-IC standard committee thin wafer TF to Taiwan (ongoing, a good collaboration subject with Japan 3DS-IC group)
- Set up virtual meeting infrastructure (teleconference / go-to-meeting) for remote non-voting members in future TC meetings on an as-needed basis (ongoing)
- Accept the invitation from SEMI Japan 3DS-IC group to make a presentation in their committee formation workshop to be held in SEMI Japan on Sep 7 (completed)
- Screen and select potential technical topics to collaborate with SEMI Japan 3DS-IC group (ongoing)

## 7. New Business

- Explore collaboration opportunity with backend factory integration TF of I&C standard TC

## 8. Action Item Review

- Provide 3D1-0912 working document to testing TF leader to clarify the inspection definition in it
- Provide contact info of new member, WM Hsiao of ASE to middle-end TF leader to formally engage him in TF meeting
- TK Ku will provide Inotera contact info to invite to join TF
- Nominate ITRI representative to join I&C standard committee
- Provide collaboration ideas to SEMI Japan 3DS-IC standard TC to evaluate the feasibility to form joint TF including thin (1) wafer handling and (2) manufacturing traceability in 3DS-IC process

## 9. Next Meeting and Adjournment

Tentatively Q1 2016 depending on the progress of ballot preparation, @ SEMI Taiwan office in Hsinchu

**Respectfully submitted by:**

**Andy Tuan**

**SEMI Taiwan**

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Minutes approved by:

Roger Hwang, Co-Chair	<Date approved>
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**Table 8 Index of Available Attachments #1**

#	Title	#	Title
1	<u><a href="#">3DS-IC Meeting Minutes 20150415</a></u>	2	<u><a href="#">SEMICON Taiwan 2015 Update</a></u>
3	<u><a href="#">SEMI NA 3DS-IC Liaison Report</a></u>	4	<u><a href="#">SEMI Japan 3DS-IC Liaison Report</a></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.