

Record of Letter Ballot Review by TC Chapter for Procedural Review

Region/Locale: [North America](#)
 Global Technical Committee: [3DS-IC](#)
 TC Chapter Cochairs: [Richard Allen/NIST](#), [Chris Moore/Frontier Semiconductor](#), [Sesh Ramaswami/Applied Materials](#)
 Standards Staff: [Laura Nguyen](#)

	Scheduled in Background Statement	Actual
Date	07/12/2017	07/12/2017
Location	San Francisco, CA	San Francisco, CA
Reason for Change of Date and/or Location (if changed)		

Note: See [Regulations ¶ 9.5](#) Exception for allowable reason to change.

I. Document Number and Title

Document Number	Document Title
6179	Reapproval of SEMI 3D1-0912, Terminology for Through Silicon via Geometrical Metrology

II. Tally

Standards staff to fill in.

Voting Tally: [As-cast tally after close of voting period](#)

Note: A minimum of 60% of the Voting Interests that have TC Members within the global technical committee that issued the Letter Ballot must return Votes. ([Regulations ¶ 9.7.1.1](#))

Voting Tally (with example values):

Voting Interest:	Returned Votes	Distribution	Return Rate	
Letter Ballot	41	÷ 62	= 66.1%	≥60%
Intercommittee Ballot	34			
Voting Interest Reject(s)	0	Total Voters with Rejects		0
Voting Interest Accept(s)	35			

Note: See [Regulations § 3.2.1](#) for definition of Voting Interest.

III. Rejects

None

IV. Other Technical Issues

None

V. Comments

V- (i) Voters' Comments

Commenter 1 (Tsukasa Fukunaga/Entegris) - Comment 1

Comment	Referring Wikipedia (in 5.9.3) may not suitable for SEMI Standard since anyone can modify Wikipedia pages. Others seems acceptable.
Action	The TC Chapter agreed to do one of the following actions.
	*No motion is required in this step.
	<input type="checkbox"/> Already addressed by Commenter #, Comment #
	<input checked="" type="checkbox"/> No further action was taken by the TC Chapter. TC Chapter decided to approve ballot as written. Will revisit this in a future revision ballot.
	<input checked="" type="checkbox"/> Refer to the TF for more consideration. TF Suggested alternate wording: Replace "Wikipedia indicates that..." with "Commonly use of..."
	<input type="checkbox"/> New Business
	<input type="checkbox"/> Editorial Change

Commenter 2 (Haruo Shimamoto/AIST) - Comment 1

Comment	Need to add the definition of side wall oxide thickness.
Action	The TC Chapter agreed to do one of the following actions.
	*No motion is required in this step.
	<input type="checkbox"/> Already addressed by Commenter #, Comment #
	<input checked="" type="checkbox"/> No further action was taken by the TC Chapter. TC Chapter decided to approve ballot as written. Will revisit this in a future revision ballot.
	<input checked="" type="checkbox"/> Refer to the TF for more consideration. TF suggests asking the commenter for a draft definition. Such a definition could be included in a future revision of the document, possibly with a SNARF for the Fall 2017 meetings.
	<input type="checkbox"/> New Business
	<input type="checkbox"/> Editorial Change

V-(ii) Comments Created by Handling Negative

None

VI. Editorial Changes Other than Those Voted on in § V

None

VII. Approval Conditions Check

VII. - (i). Approval Rate

APPROVAL CONDITION 1: All Negatives have been discussed and were withdrawn, found not related, found not persuasive, or addressed by a technical change. (*Regulations ¶ 9.7.1.2*)

APPROVAL CONDITION 2: At least 90% of the sum of valid Voting Interest Accept and Voting Interest Reject Votes must be Accept. (*Regulations ¶ 9.7.1.3*)

Note: If both approval conditions are not satisfied, the Document fails.

		Accepts		(Accepts + Valid Rejects)					
Approval Rate	=	35	/	35	=	100.0%		≥90%	

VII. – (ii) Approval Level (check one)

Note: See *Regulations § 9.7.2* for further information.

Globally Approved (No Ratification Ballot needed):

The Letter Ballot meets the Letter Ballot approval conditions for the global technical committee.

Need a Ratification Ballot:

The Letter Ballot meets the Letter Ballot approval conditions for the TC Chapter and a Ratification Ballot will be issued to validate technical changes.

VIII. Safety Check

Note: See *Regulations § 15* for further information.

Motion	<input checked="" type="checkbox"/>	This is not a Safety Document, when all safety-related information is removed, the Document is still technically sound and complete. (<i>Regulations ¶ 8.7.1</i>)
	<input type="checkbox"/>	This is a Safety Document, when all safety-related information is removed, the Document is not technically sound and complete. (<i>Regulations ¶ 8.7.2</i>)
	<input type="checkbox"/>	Safety Checklist (<i>Regulations ¶ 15.3</i>) is complete and has been included with the Document throughout the balloting process. (<i>Regulations ¶ 15.1.2</i>)
Motion by/2 nd by		Bevan Wu (BW & Associates/ITRI) / Vern Solberg (Solberg Technical Consulting)
Discussion		None
Vote		8 Y 0 N; Motion passed.

IX. Intellectual Property (IP) Check

Note: This Letter Ballot may cover all or part of a Standard or Safety Guideline. This IP check applies to the entire Standard or Safety Guideline. See *Regulations* § 16 for further information.

X	The TC Chapter meeting chair asked those participating, if they were aware of any potentially material patented technology or copyrighted items* in the Standard or Guideline. (<i>Regulations</i> ¶ 8.8.1)	
X	No potentially material patented technology or reproduction of copyrighted items is known.	GO TO SECTION X.

*** Note: Such potentially material patented technology or copyrighted items might have become known since the Standard or Safety Guideline was last reviewed, or might become relevant due to this Letter Ballot.**

X. Action for This Document

Motion	X	This Document passed TC Chapter review as balloted and will be forwarded to the ISC A&R SC for procedural review.	
Motion by/ 2nd by	Vern Solberg (Solberg Technical Consulting) / Steve Martell (Sonoscan)		
Discussion	None		
Vote	8 Y 0 N		
Final Action	X	Motion passed	
		Motion failed	

Standards staff to record the result of the A&R procedural review here:

A&R		Approved for publication
		Approved pending acceptance of the Ratification Ballot
		Not approved
	Reason:	