

# Record of Letter Ballot Review by TC Chapter for Procedural Review

Region/Locale: **North America**

Global Technical Committee: **3D Packaging & Integration**

TC Chapter Cochairs: **Bill Kerr (Evergreen Enhancement), Chris Moore (Covalent Metrology), Sesh Ramaswami (Applied Materials)**

Standards Staff: **Laura Nguyen**

	Scheduled in Background Statement	Actual
Date	11/07/2019	11/07/2019
Location	SEMI HQ, Milpitas, CA/USA	SEMI HQ, Milpitas, CA/USA
Reason for Change of Date and/or Location (if changed)		

Note: See *Regulations* ¶ 9.5 Exceptions for allowable reason to change.

## I. Document Number and Title

Document Number	Document Title
6555	Reapproval of SEMI 3D9-0914, Guide for Describing Materials Properties for a 300 mm 3DS-IC Wafer Stack

## 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* ¶ 9.6.2.1.1)

Voting Tally (with example values):

Voting Interest:	Returned Votes		Distribution		Return Rate	
Letter Ballot	56	÷	91	=	61.5%	≥60%
Intercommittee Ballot	41					
Voting Interest Reject(s)	0		Total Voters with Rejects		0	
Voting Interest Accept(s)	44					

Note: See *Regulations* § 3.2.1 for definition of Voting Interest.

### III. Rejects

None

### IV. Other Technical Issues

None

### V. Comments

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**APPROVAL CONDITION 1:** All Negatives have been discussed and were withdrawn, found not related, found not persuasive, or addressed by a technical change.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* ¶ 9.6.2.1.2)

**APPROVAL CONDITION 2:** At least 90% of the sum of valid Voting Interest Accept and Voting Interest Reject Votes must be Accept. (*Regulations* ¶ 9.6.2.1.3)

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

		Accepts		(Accepts + Valid Rejects)					
Approval Rate	=	44	/	44	=	100.0%		≥90%	

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

**Note:** See *Regulations* § 9.6.2 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 <b>Safety Document</b> , 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 <b>Safety Document</b> , 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 <sup>nd</sup> by		Len Perroots (SuperSight Technology) / Steve Martell (Nordson SONOSCAN)
Discussion		None.
Vote		7 Y 0 N; Motion <u>passed</u> .

## IX. Intellectual Property (IP) Check

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

<input checked="" type="checkbox"/>	The TC Chapter meeting chair asked those participating, if they were aware of any patented technology that might be relevant (see <i>Regulations ¶¶ 16.3.1.1</i> ) to the Standard or Safety Guideline; or, any copyrighted items or trademarks that are used/reproduced (see <i>Regulations ¶¶ 16.4.1.2</i> ) in the Standard or Safety Guideline. (Also see, <i>Regulations § 8.8</i> )			
<input checked="" type="checkbox"/>	The question is NOT answered in affirmative (No potentially material patented technology or use/reproduction of copyrighted items/trademarks is known.)	GO TO SECTION X.		
<input type="checkbox"/>	The question is answered in affirmative	Is any of the known IPs a patented technology?	<input checked="" type="checkbox"/>	Yes, at least one of them is a patented technology
			<input type="checkbox"/>	No
				GO TO IX (a) "Patented Technology" subsection
				GO TO IX (b) "Copyright items" subsection

## X. Action for This Document

Motion	<input checked="" type="checkbox"/>	This Document passed TC Chapter review as balloted and will be forwarded to the ISC A&R SC for procedural review.
Motion by/ 2 <sup>nd</sup> by		Steve Martell (Nordson SONOSCAN) / Gregory Arslanian (Air Products)
Discussion		None.
Vote		7 Y 0 N
Final Action		<input checked="" type="checkbox"/> Motion passed
		<input type="checkbox"/> Motion failed

Note: If the use of PMPT or copyrighted item is justified by the TC Chapter, LOA or release form must be received before publication can proceed.