

Record of Letter Ballot Review by TC Chapter for Procedural Review

Region/Locale: **Japan**

Global Technical Committee: **Silicon Wafer**

TC Chapter Cochairs: **Naoyuki Kawai/self, Tetsuya Nakai/SUMCO**

Standards Staff: **Junko Collins**

	Scheduled in Background Statement	Actual
Date	12/17/2015	12/17/2015
Location	Conference Tower, Tokyo Big Sight, Tokyo	Conference Tower, Tokyo Big Sight, Tokyo
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
5770	NEW STANDARD: GUIDE FOR MEASURING BULK MICRO DEFECT DENSITY AND DENUDED ZONE WIDTH IN ANNEALED SILICON WAFERS

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	56	÷	91	=	61.5%	≥60%
Intercommittee Ballot	17					
Voting Interest Reject(s)	4		Total Voters with Rejects		4	
Voting Interest Accept(s)	27					

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

III. Rejects

Voting Interest Reject 1 (Voting Interest Name: Tokyo Electron)

Voter Reject 1 (Voter: Supika Mashiro/ Tokyo Electron)

Negative 1

Negative	Referenced Section/ Paragraph	General	
	Negative Text	<p>Reconsider Standard subtype and rewrite entire Document suitable for chosen subtype (e.g., Guide, Test Method) Although the balloted Document is proposed as a Guide subtype, the document refers itself as "Test Method" for several places. Use of imperative (section 9) is not appropriate for a Guide, though it would be suitable for a Test Method.</p>	
TF input (optional)		TF shall reconsider to choice subtype of Guide or Test Method.	
Withdrawal (check one)	<input type="checkbox"/>	No Negative withdrawal made by Voter.	GO TO "Related" subsection
	<input type="checkbox"/>	Withdrawal document received by Standards staff on MM/DD/YYYY.	GO TO "Final" subsection → (A)
Related	Motion and Reason (check one)	<input checked="" type="checkbox"/>	'Related' is mutually agreed upon. (Needs no motion.) GO TO "Persuasive" subsection
		<input type="checkbox"/>	Negative is not related. (Needs ≥2/3 votes to pass.)
	Reason	XXXX	
	Motion by/ 2 nd by		
	Discussion		
	Result of Vote (check one)	<input type="checkbox"/>	[Negative is not related.] < 2/3
<input type="checkbox"/>		2/3 ≤ [Negative is not related.]	GO TO "Final" subsection → (B)
Persuasive	Motion and Reason (check one)	<input checked="" type="checkbox"/>	Negative is related and persuasive. (Needs >1/3 votes to pass.)
		<input type="checkbox"/>	Negative is related and not persuasive. (Needs ≥2/3 votes to pass.)
	Reason		
	Motion by/ 2 nd by	Ryuji Takeda (GWJ) / Tsuyoshi Ohtsuki (SEH)	
	Discussion		
Result of Vote	12Y- 0N; Motion passed.		

(check one)	<input checked="" type="checkbox"/>	[Negative is related and persuasive.] > 1/3	Is a technical change recommended? (check one)	<input type="checkbox"/>	Y	GO TO “Address by Technical Change Option” subsection	
	<input type="checkbox"/>	[Negative is related and not persuasive.] < 2/3		<input checked="" type="checkbox"/>	N	GO TO “Final” subsection → (E)	
	<input type="checkbox"/>	2/3 ≤ [Negative is related and not persuasive.] < 90%	GO TO “Final” subsection → (C)				
	<input type="checkbox"/>	90% ≤ [Negative is related and not persuasive.]	GO TO “Not Significant Finding Option” subsection				
Address by Technical Change Option	Technical Change Recommendations						
	Original section/paragraph number and at least one full sentence are required in “FROM” and “TO” fields.						
	1	Technical Changes	FROM: Section/Paragraph XXX				
			TO: Section/Paragraph xxx				
			Justification (if necessary)				
	2	Technical Changes	FROM: Section/Paragraph XXX				
			TO: Section/Paragraph xxx				
			Justification (if necessary)				
	Motion		Negative is addressed by the technical change(s).				
	Motion by/2nd by		Name (Company)/Name (Company)				
Discussion							
Result of Vote (check one)		XX Y-XX N; Motion passed/failed.					
<input type="checkbox"/>	2/3 ≤ [Negative is addressed by the technical change(s).]	GO TO “Incorporation of the Technical Change” subsection					
<input type="checkbox"/>	[Negative is not addressed by the technical change(s).] < 2/3	GO TO “Final” subsection → (E)					
Incorporation of the Technical Change	Motion		To incorporate the technical change(s).				
	Motion by/2nd by		Name (Company)/Name (Company)				
	Discussion						
	Result of Vote (check one)		XX Y-XX N; Motion passed/failed.				
<input type="checkbox"/>	90% ≤ [Agree to incorporate.]	GO TO “Final” subsection → (F)					
<input type="checkbox"/>	[Disagree to incorporate.] > 10%	GO TO “Final” subsection → (E)					
Significant Finding	This option can be used only “if the TC Chapter finds a Negative not persuasive by a vote equal to or greater than 90% of the persons voting on the action”. (Regulations ¶ 9.6.4.4.2)						
	Use of “Not significant”	<input type="checkbox"/>	It is mutually agreed upon to term the Negative “not significant”.		GO TO “Final” subsection → (D)		

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		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>)
		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>)
		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	Name (Company)/Name (Company)
	Discussion	XXXX
	Vote	XX Y-XX N; Motion passed or failed

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.

	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 ¶ 8.8.1</i>)	
	No potentially material patented technology or reproduction of copyrighted items is known.	GO TO SECTION X.
	Potentially material patented technology or reproduction of copyrighted items is known, but a Letter of Assurance (LOA) or copyright release letter for such items has been obtained or presented to the TC Chapter.	GO TO SECTION X.
	Potentially material patented technology or reproduction of copyrighted items is known and use of such materials is technically justified by the TC Chapter, but an LOA or copyright release letter for some of the item(s) has NOT been obtained or presented to the TC Chapter.	
Motion		Ask ISC for special permission to publish.
		Quit activity.
		Wait for LOA for patented technology or release of copyrighted items.
	Motion by/2 nd by	Name (Company)/Name (Company)
	Discussion	XXXX
	Vote	XX Y-XX N
Final Action		Motion passed
		Motion failed

* 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		This Document passed TC Chapter review as balloted and will be forwarded to the ISC A&R SC for procedural review.
		This Document passed TC Chapter review with editorial changes and will be forwarded to the ISC A&R SC for procedural review.
		This Document passed TC Chapter review with technical changes and with or without editorial changes and will be forwarded to the ISC A&R SC for procedural review. A Ratification Ballot will be issued to verify the technical changes.
	X	This Document failed TC Chapter review and will be returned to the TF for rework.
		This Document failed TC Chapter review and work will be discontinued.
Motion by/ 2nd by	Ryuji Takeda (GWJ) / Tsuyoshi Ohtsuki (SEH)	
Discussion	Brief discussion about how to choose subtype at the TC Chapter meeting is beneficial for the task force to make their decision. At this meeting, explanation about the sub types was made.	
Vote	13 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:	