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	Vote	rs 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

9	alive i										
	Referenced Section/	Gen	neral								
	Paragraph										
Negative	Negative Text	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 a Test Method.									
TFi	input (optional)	TF s	shall reconsider to choice subtype of Guide or Test	Method.							
	Withdrawal		No Negative withdrawal made by Voter.	GO TO "Related" subsection							
	(check one)		Withdrawal document received by Standards staff on MM/DD/YYYY.	GO TO "Final" subsection → (A)							
	Motion and	X	'Related' is mutually agreed upon. (Needs no motion	GO TO "Persuasive" subsection							
	Reason		Negative is not related. (Needs ≥2/3 votes to pass.)								
	(check one)		Reason XXXX								
Re	Motion by/ 2 nd by										
Related	Discussion										
		XX '	Y-XX N; Motion passed/failed.								
	Result of Vote (check one)		[Negative is not related.] < 2/3	GO TO "Persuasive" subsection							
	(eneck ene)		2/3 ≤ [Negative is not related.]	GO TO "Final" subsection → (B)							
	Mation	X	Negative is related and persuasive. (Needs >1/3 vote	to pass.)							
Pe	Motion and Reason (check one)		Negative is related and not persuasive. (Needs ≥2/3 v	otes to pass.)							
Persuasive	,		Reason								
ive	Motion by/ 2 nd by	Ryu	ji Takeda (GWJ) / Tsuyoshi Ohtsuki (SEH)								
	Discussion										
	Result of Vote	12Y	- 0 N ; Motion passed.								

			, ,									
	(cł	necl	cone)			e is related and ve.] > 1/3	Is a technical change recommended?		Y	GO TO "Address by Technical Change Option" subsection		
						e is related and not ve.] < 2/3	(check one)	Х	N	GO TO "Final" subsection → (E)		
						egative is related	GO TO "Final" s	ubse	ctio	n → (C)		
						not persuasive.] < 90% See [Negative is related] Co TO "Not Significant Finding Option" outpostion						
						persuasive.]	GO TO "Not Sign	nifica	ınt F	inding Option" subsection		
	Tech	nic	al Chang	e Recor	nmei	ndations						
	Origi field:		section/	paragra	ph ni	umber and at least	one full sentence	are i	requ	ired in "FROM" and "TO"		
			FROM:	Section/	Para	graph XXX						
		1	TO: Sec	ction/Par	ragra	ph xxx						
	echni		Justific	ation (<mark>If</mark>	nece	essary)						
Ac	Technical Changes		FROM: \$	Section/	Para	graph XXX						
Address I	anges	2	TO: Sec	ction/Pai	tion/Paragraph xxx							
by Technical Change			Justific	ation (<mark>If</mark>	nece	essary)						
nica	Moti	on			Negative is addressed by the technical change(s).							
I Ch	Moti	on k	y/2 nd by	1	Name (Company)/Name (Company)							
ange	Disc	uss	ion									
_					XX \	/-XX N ; Motion pass	ed/failed.					
Option			sult of Vo			2/3 ≤ [Negative is a change(s).]	ddressed by the te	chnic	al	GO TO "Incorporation of the Technical Change" subsection		
						[Negative is not add change(s).] < 2/3	ressed by the tech	nical		GO TO "Final" subsection → (E)		
	l _		tion		To incorporate the technical change(s).							
	nco Tec	Mo	tion by/2	2 nd by	Name (Company)/Name (Company)							
	Incorporation of Technical Chan	Dis	cussion									
	atio				XX	/-XX N; Motion pass	ed/failed.					
	ncorporation of the Technical Change		Result of			90% ≤ [Agree to incorporate.]				GO TO "Final" subsection → (F)		
	Ø		(check one)			[Disagree to incorpo	→ (E)					
Significan t Finding	This great					"if the TC Chapter ons voting on the ac				uasive by a vote equal to or 4.4.2)		
ficar Jing	Use of "Not It is significant sign					mutually agreed upon to term the Negative "not ificant".						

	finding option" (check one)		It is mutually ag	greed upon to term the Negative	GO TO "Final" subsection → (C)					
			Whether or not	Whether or not the Negative is "not significant" is decided by a vote.						
	Motion	The	Negative is "no	t significant".						
	Motion by/ 2 nd by	Name (Company)/Name (Company)								
	Vote		XX Y-XX N; Mo	otion passed with simple majority	GO TO "Final" subsection → (D)					
	vote		XX Y-XX N; Mo	otion failed with simple majority	GO TO "Final" subsection → (C)					
			(A)	Withdrawn (counted under h in dis	sposition)					
			(B)	Not related (counted under i in dis	sposition)					
	(check if		(C)	Related and not persuasive (signific	ant)					
Fina	applicable)		(D)	Not significant (counted under j in	disposition)					
<u>a</u>		X	(E)	Related and persuasive and not addressed by technical change	DOCUMENT FAILS					
			(F)	Addressed by technical change (co	unted under k disposition)					
	(check if applicable) Comment generated. See Section V-(ii) Comment # X.									

IV. Other Technical Issues

Note: TC Chapter may choose to address a technical issue that is not part of a Negative received on a Letter Ballot (i.e., a Comment or a reason not addressed by a Vote response) by handling it as a Negative and finding it related and technically persuasive. The TC Chapter may then fail the Document or address such technical issue by using the procedure defined in *Regulations* § 9.6.4.3 to make a technical change to the Document. (*Regulations* ¶ 9.6.2.4.5)

V. Comments

V- (i) Voters' Comments

V-(ii) Comments Created by Handling Negative

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

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	=		1		=	#DIV/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.

			his is not a Safety Document , when all safety-related information is removed, the Document still technically sound and complete. (<i>Regulations</i> ¶ 8.7.1)							
Motior	This is a Safety Document, when all safety-related information is removed, the Document is not technically sound and complete. (Regulations ¶ 8.7.2)									
				Checklist (<i>Regulations</i> ¶ 15.3) is complete and has been included with the Document nout the balloting process. (<i>Regulations</i> ¶ 15.1.2)						
Motion by/2 nd by			by/2 nd by	Name (Company)/Name (Company)						
Discussion			ussion	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.

mate	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)							
		otentially n righted iter		patented technology or reproduction of nown.	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.								
	use (of such ma	teriaİs i	tented technology or reproduction of copyrights s technically justified by the TC Chapter, but a of the item(s) has NOT been obtained or pres	an LOA or copyright			
~		Ask ISC f	or spec	cial permission to publish.				
Motion		Quit activ	ity.	ty.				
'n		Wait for L	OA for	DA for patented technology or release of copyrighted items.				
Motion by/2 nd by Name				e (Company)/Name (Company)				
Discussion XXX				(X				
Vote			XX Y-XX N					
_	inal A	ction		Motion passed				
Final Action				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

		This Document passed TC Chapter review as balloted and will be forwarded to the ISC A SC for procedural review.							
_ ≤			ment passed TC Chapter review with editorial changes and will be forwarded to the SC for procedural review.						
Motion		editorial ch	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 Docu	ment failed TC Chapter review and work will be discontinued.						
	Motion by/ 2 nd by		Ryuji Takeda (GWJ) / Tsuyoshi Ohtsuki (SEH)						
ı	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.						
	٧	ote/	13 Y -0 N						
	Final Action		X Motion passed						
'			Motion failed						

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

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