# Procedural Review Voting Sheet 2013 Cycle 5

**REGION: Japan** 

COMMITTEE: Silicon Wafer EVENT: SEMICON Japan 2013 DATE OF MEETING: 12/05/2013

PLACE OF MEETING: Makuhari Messe, Chiba, Japan

COMMITTEE CO-CHAIRS: Tetsuya Nakai/SUMCO, Naoyuki J. Kawai/The University of Tokyo

**SEMI STAFF: Hirofumi Kanno** 

**A&R Voter: Name/Company** 

Date: 200X/MM/DD

#### I. Document Number & Title

Document 5542	Line Items Revision to SEMI M62-0413, Specifications for
	Silicon Epitaxial Wafers

## II-1 Line item 1

Line Item 1	Table R2-7: 1) Add missing Diameter for ¶2-6.1, and 2)
	Change Nanotopography value for ¶3-2.7. Remove "Or As
	agreed between supplier and customer" and change
	related explanation #9

#### 1. Tally (Staff to fill in)

Voting Tally: As-cast tally after the close of the voting period

A minimum of 60% of the voting interests that have voting members within the technical committee must return votes. (Regulations  $\P 9.6.1$ )

	Return		Distribution		Return Rate	
Yellow	54	÷	90	=	60.0%	>=60%
Lilac & Others	54					
Total Vote	108					-
Reject	0					
Accept	36					

		Not approved
A&R	Re	eason:

# 2. Rejects None

## 3. Comments

	F		enced ction	*TF/Committee to fill in if necessary
		Fr	om	Tetsuya Nakai (SUMCO)
Comment	Comment			Line Item 1: Table R2-7, 3-2.7 Nanotopography We recommend to change measurement area from (2mm x 2mm) to (2mm area Circle or Square). Because it is possible to select measurement area both Circle and Square in figure 1 of measurement method SEMI M78.
	Discussion			This will be taken as a new business.  The Proposal makes sense because both analysis methods in M78 and modification of the Related Information is expected to impact on the main part of the document too.
	X	The	e commit	tee agreed to do one of the following actions.
		*No		is required in this step.
				er action was taken by the committee.
		V		the task force for more consideration.
		X	New Bus Other	siness
	_		Other	
	Editorial Change			
	rial			
	Cha			
Act	nge			
ion p			Case 1:	No vote in this section :
Action proposed			To be in	icluded and voted on in <u>4. Summary of Editorial Changes</u> .
sed			Case 2:	Voted in this section :
			Original	section number and at least one full sentence are required in "FROM" and elds.
			FROM:	Section xxx
		1	To: Sec	ction xxx
			Justific	ation (If necessary)
		2	FROM:	Section xxx

	To	o: Section xxx		
	Ju	Justification (If necessary)		
Motion b	y/2r	nd Takao Takenaka (Takenaka Consulting)/ Friedrich Passek (Siltronic)		
Vote		13- 0 Motion passed		
A&R		Not approved		
Adil	Reason:			

	F		enced ction	*TF/Committee to fill in if necessary
lg	From			Murray Bullis (Materials & Metrology)
Comment	Comment			as future business 2.2 should be removed from this standard because thr EDI code list has been removed from SEMI M18
	[	Discu	ıssion	This will be taken as a new business.
	X	The	e commit	tee agreed to do one of the following actions.
	^	*No	motion	is required in this step.
			No furth	er action was taken by the committee.
			Refer to	the task force for more consideration.
		Χ	New Bus	siness
			Other	
Action proposed	Editorial Change			
n pi			Case 1:	No vote in this section :
sodo.			To be in	ncluded and voted on in <u>4. Summary of Editorial Changes</u> .
ed			Case 2:	Voted in this section :
			Original "TO" fie	section number and at least one full sentence are required in "FROM" and elds.
			FROM:	Section xxx
		1	To: Sec	ction xxx
			Justific	eation (If necessary)
		2	FROM:	Section xxx

	To	o: Section xxx		
	Ju	Justification (If necessary)		
Motion k	y/2r	nd Friedrich Passek (Siltronic) / Takao Takenaka (Takenaka Consulting)		
Vote		13- 0 Motion passed		
A&R		Not approved		
Adit	Re	eason:		

## 4. Summary of Editorial Changes

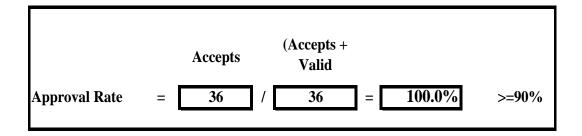
None

## **5. Approval Conditions Check**

**APPROVAL CONDITION 1:** All negatives have been discussed and were withdrawn, found not related, or not persuasive. (Regulations ¶ 9.6.2)

**APPROVAL CONDITION 2:** At least 90% of the sum of the valid accept and reject votes must be accept. (Regulations ¶ 9.6.3)

Note: if both approval conditions are not satisfied, the balloted item fails.



### 6. Preliminary action for this line item

	of Fremming action for this line item						
	X	Thi	This line item passed committee review as balloted.				
Motion		Thi	This line item passed committee review with editorial changes				
Ž		Thi	This line item failed committee review and will be returned to the task force for rework.				
		Thi	his line item failed committee review and work will be discontinued.				
M	Motion by/ 2nd by Takao Takenaka (Takenaka Consulting)/ Friedrich Passek (Siltronic)						
	Discussion		on	None			
	Vote			9-0			
	T. 1 4 4			X Motion passed			
-	rına	al Action		Motion failed			
	A 0 1	A&R		Approved			
	AW			Not approved			

Reason:

# II-2 Line item 2

Line Item 2	Table R2-8: 1)Add substrate category in ¶2-6, 2) Add
	missing diameter for ¶2-6.1, and
	3) Change Nanotopography value for ¶3-2.7. Remove "Or
	As agreed between supplier and customer" and change
	related explanation #9

# 1. Initial Tally

Yellow Lilac & Others	Return 54 54	Distributio Return Rate ÷ 90 = 60.0% >=60%
Total Vote	108	
Reject	0	
Accept	36	

# 2. Rejects

None

#### **3 Comments**

	_				
	Referenced Section From Common			*TF/Committee to fill in if necessary	
C			om	Tetsuya Nakai (SUMCO)	
Comment			nment	Line Item 2: Table R2-8, 3-2.7 Nanotopography We recommend to change measurement area from (2mm x 2mm) to (2mm area Circle or Square). Because it is possible to select measurement area both Circle and Square in figure 1 of measurement method SEMI M78.	
		Discu	ussion	None	
	The committee agreed to do one of the following actions.				
2 .	X	*No	motion	is required in this step.	
- AC1	No further action was taken by the committee.  Refer to the task force for more consideration.				
Refer to the task force for more consideration.  X New Business				the task force for more consideration.	
				siness	
	Other				

Editorial Change							
		Case	1: No vote in this section :				
ш		To be	included and voted on in 4. Summary of Editorial Changes.				
ш		Case 2: Voted in this section :					
П		Original section number and at least one full sentence are required in "FROM" and "TO" fields.					
П		FROM: Section xxx					
П	1	To: Section xxx					
		Justification (If necessary)					
		FROM	FROM: Section xxx				
П	To: Section xxx		ection xxx				
ш		Justif	fication (If necessary)				
Мо	tion	by/2nd Takenaka-san (Company)/Passek (Company)					
	Vo	te	11-0 Motion passed (or failed)				
A8	2R	No	ot approved				
AC	A11	Reaso	on:				

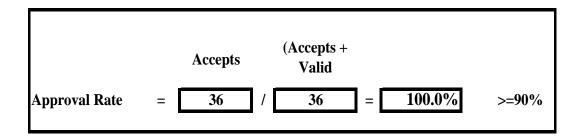
	Referenced Section			*TF/Committee to fill in if necessary			
င္ပ	Froi		om	Murray Bullis (Materials & Metrology)			
omment	Comment			2. It is not necessary to repeat the value of the diameter because it is fully specified by citing the wafer category in the previous line. This entry is redundant.			
	ı	Discu	ıssion	This was rejected by participants, thus allowing redundancy.			
	<b>V</b>	The commit		tee agreed to do one of the following actions.			
5 5	^	*No	motion is required in this step.				
		X	No furth	er action was taken by the committee.			
<u> </u>			Refer to	the task force for more consideration.			
			New Bus	siness			

			Other					
	<b>Editorial Change</b>							
			Case 1	I: No vote in this section :				
			To be	included and voted on in <u>4. Summary of Editorial Changes</u> .				
			Case 2: Voted in this section :					
			Origin "TO" f	nal section number and at least one full sentence are required in "FROM" and fields.				
			FROM: Section xxx					
		1	To: Section xxx					
			Justification (If necessary)					
			FROM: Section xxx					
		2	To: Section xxx					
			Justif	ication (If necessary)				
N	/lot	ion b	py/2nd Takenaka-san(Company)/Passek (Company)					
		Vot	e 9-0 Motion passed					
	A&I	R	No	ot approved				
	-10	11	Reason:					

## 4. Summary of Editorial Changes

None

**5. Approval Conditions Check** 



6. Preliminary action for this line item

	X	Thi	This line item passed committee review as balloted.								
Motion		This line item passed committee review with editorial changes									
Ĭ		This line item failed committee review and will be returned to the task force for rework.									
		Thi	This line item failed committee review and work will be discontinued.								
M	lotion	1 by/ 2	nd by	Τ	Takao Takenaka (Takenaka Consulting) / Mike Goldstein (Intel)						
	Discussion			N	None						
	Vote			9	9 - 0						
	T1 1 4 41			X	Motion passed						
	Final Action		lion		Motion failed						
				Ap	proved						
	<b>A&amp;</b>	R		No	t approved						
			Reason:								

# **III. Safety Check**

This section applies to the entire document. See Section 14 of the Regulations for further information

	<del>00 0</del>	,000	011 14 01 1110	Regulations for further information			
	X	This is not a Safety Document: when all safety-related information is removed, the document is still technically sound and complete.					
Motion:			This is a Safety Document: when all safety-related information is removed, the document is not technically sound and complete.				
$ \mathbf{z} $			Safety Chec	cklist is complete and has been included with the document throughout the balloting process.			
			(Regulations ¶ 14.3)				
	Mot	ion l	Takao Takenaka (Takenaka Consulting) / Mike Goldstein (Intel)				
	]	Disc	ussion	None			
		V	ote	10-0 Motion passed			
	A&1		Not ap Reason:	proved			

# **IV. Intellectual Property Check**

Note: This ballot may be all or part of a Standard or Safety Guideline. This IP check applies to the entire Standard or Safety Guideline. See § 15 of the Regulations for further information

X		ne meeting chair asked those present in person or by electronic link, if they were aware of any otentially material patented technology or copyrighted items* in the Standard or Guideline.							
	X		ootentially m known	naterial	patented technology or copyrighted items	GO TO SECTION V			
		Potentially material patented technology or copyrighted items are known but a Letter of Assurance (LOA) or copyright release for such material has been obtained or presented to the committee.  GO TO							
		сору	Potentially material patented technology or copyrighted items are known but an LOA or copyright release for some of the material(s) has NOT been obtained or presented to the committee						
	M		Ask ISC for special permission to publish						
	MOTION		Quit activity						
	N		Wait for L	OA for patented technology or release of copyrighted items.					
	Мо	tion b	y/2 <sup>nd</sup> by	Name (Company)/Name (Company)					
		Discus	ssion	XXXX					
		Vo	te	XX-XX					
	_	Final Action			Motion Passed				
	rinai Action				Motion Failed				
٨	A&R Not appro		ved						
1			Reason:						

## V. Action for this document

		Χ		em(s) 1 and 2 passed committee review as balloted and will be forwarded to the A&R for ural review.					
n all ble	<u>~</u>		-	em(s) [X], [X] and [X] passed committee review with editorial changes and will be forwarded					
otio eck lica	Ĕ.			to the A&R for procedural review.					
Mot (Chec applic	ite I		Line it	e item(s) [X], [X] and [X] failed committee review and will be returned to the task force for ork.					
			Line it	em(s) [X], [X] and [X] failed committee review and work will be discontinued.					
Motion	n by/ 2nd by			Takao Takenaka (Takenaka Consulting) / Friedrich Passek (Siltronics)					
Dis	Discussion			None					
7	Vote			9-0					
Ein o	T 4 .4			X Motion passed					
Final Action		n [	Motion failed						

<sup>\*</sup> 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 ballot.

		Approved
A&R		Not approved
	Re	eason: