

# Record of Line-item Letter Ballot Review by TC Chapter for Procedural Review

Region/Locale: **North America**

Global Technical Committee: **Compound Semiconductor Materials**

TC Chapter Cochairs: **Russ Kremer (Freiberger Compound Materials)/James Oliver (Northrop Grumman)**

Standards Staff: **Kevin Nguyen**

	Scheduled in Background Statement	Actual
Date	5/18/2016	5/18/2016
Location	Hyatt Regency Miami, FL	Hyatt Regency Miami, FL
Reason for Change of Date and/or Location (if changed)		

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

## Document Information

### I. Document Number, Title, Lists of Line Items

<b>Document Number</b> 5884	<b>Document Title</b> Line Item Revision to SEMI M65-0306 With Title Change To: Specification for Sapphire Substrates to use for Compound Semiconductor Epitaxial Wafers
ne □ Line Item 1	<b>Line Item Title</b> Correct Title for Conformance

## Line Item 1 Adjudication

### 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:**

Voting Interest:	Returned Vote		Distributio		Return Rate	
Letter Ballot	35	÷	56	=	62.5%	≥60%
Intercommittee Ballot	28					
Voting Interest Reject(s)	0		Total Voters with Rejects		0	
Voting Interest Accept(s)	34					

**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 (**Murray Bullis/Materials & Metrology**) - Comment 1

Comment	<b>*TF/TC Chapter to fill in section/paragraph #, if necessary.</b>		
	The body of the document still refers to 'these specifications.' This should be updated to correspond with the revised title.		
Action	The TC Chapter agreed to do one of the following actions.		
	<b>*No motion is required in this step.</b>		
	<input type="checkbox"/>	Already addressed by Commenter #, Comment #	
	<input type="checkbox"/>	No further action was taken by the TC Chapter.	
	<input type="checkbox"/>	Refer to the TF for more consideration.	
	<input type="checkbox"/>	New Business	
	<input checked="" type="checkbox"/>	Editorial Change	
	Options for editorial change (check one)	<input checked="" type="checkbox"/>	<b>Case 1: No vote in this section:</b> <b>To be included and voted on as a group in § VI. Editorial Changes Other than Those Voted on in § V.</b>
		<input type="checkbox"/>	<b>Case 2: Voted in this section:</b> <b>Original section number and at least one full sentence are required in "FROM" and "TO" fields.</b>
Editorial Changes	1	FROM: Section/Paragraph xxx	
		TO: Section/Paragraph xxx	
		Justification (If necessary)	
	2	FROM: Section/Paragraph xxx	
		TO: Section/Paragraph xxx	
		Justification (If necessary)	
Motion		To approve above editorial change(s)	
Motion by/2 <sup>nd</sup> by		Name (Company)/Name (Company)	

Discussion	XXXX
Vote	XX Y-XX N; Motion passed/failed.

## V-(ii) Comments Created by Handling Negative

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

Original section/paragraph number and at least one full sentence are required in “FROM” and “TO” fields.

1	Origin of this editorial change (Check one)	<input checked="" type="checkbox"/>	Commenter(s) / Comment(s) #
		<input type="checkbox"/>	Other [    ]
	FROM: 1.1 These specifications are intended to provide specifications for...		
	TO: 1.1 This specification is intended to provide specifications for...		
Justification: (If necessary)			
2	Origin of this editorial change (Check one)	<input checked="" type="checkbox"/>	Commenter(s) / Comment(s) #
		<input type="checkbox"/>	Other [    ]
	FROM: 2.1 These specifications cover requirements for three sizes.....		
	TO: 2.1 This specification covers requirements for three sizes.....		
Justification: (If necessary)			
3	FROM: 2.2 These specifications are directed specifically .....		
	TO: 2.2 This specification is directed specifically....		
	Justification: (If necessary)		
Motion	To approve the above editorial change(s)		
Motion by/ 2 <sup>nd</sup> by	Judy Kronwasser (NOVASiC) /Russ Kremer (Freiberger Compound Materials)		
Discussion	None		
Vote	4 Y0 N; Motion passed		

## 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.

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**Globally Approved (No Ratification Ballot needed):**

Line Item 1 meets the Letter Ballot approval conditions for the global technical committee.

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**Need a Ratification Ballot:**

Line Item 1 meets the Letter Ballot approval conditions for the TC Chapter and a Ratification Ballot will be issued to validate technical changes.

## Checks for Entire Document Including All Approved Line Items

## VIII. Safety Check

**Note:** This Safety check applies to the entire Standard or Safety Guideline including all the approved Line Items. See § 15 of the *Regulations* 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		Judy Kronwasser (NOVASiC) /Russ Kremer (Freiberger Compound Materials)
Discussion		XXXX
Vote		4 Y-0 N; Motion passed

## IX. Intellectual Property (IP) Check

**Note:** This IP check applies to the entire Standard or Safety Guideline including all the approved Line Items. See § 16 of the *Regulations* 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.
		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 <sup>nd</sup> 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 (Check all applicable items)		Line item(s) [X], [X] and [X] passed TC Chapter review as balloted and will be forwarded to the ISC A&R SC for procedural review.
	x	Line item(s) [1] passed TC Chapter review with editorial changes and will be forwarded to the ISC A&R SC for procedural review.
		Line item(s) [X], [X] and [X] 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.
		Line item(s) [X], [X] and [X] failed TC Chapter review and will be returned to the TF for rework.
		Line item(s) [X], [X] and [X] failed TC Chapter review and work will be discontinued.
Motion by/ 2nd by		Judy Kronwasser (NOVASiC) /Russ Kremer (Freiberger Compound Materials)
Discussion		XXXX
Vote		4 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		Line item(s) [X], [X] and [X] are Approved for publication
		Line item(s) [X], [X] and [X] are Approved pending acceptance of the Ratification Ballot
		Line item(s) [X], [X] and [X] are Not approved
	Reason:	