

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

Region/Locale: [Japan](#)

Global Technical Committee: [Silicon Wafer](#)

TC Chapter Cochairs: [Tetsuya Nakai /SUMCO](#), [Ryuji Takeda/ GlobalWafers Japan](#)


Standards Staff: [Name](#)

	Scheduled in Background Statement	Actual
Date	<a href="#">12/18/2025</a>	<a href="#">12/18/2025</a>
Location	<a href="#">Tokyo Big Sight/ OVTCCM</a>	<a href="#">TFT Building/ OVTCCM</a> <i>*TFT Building is a part of Tokyo Big Sight Facilities.</i>
Reason for Change of Date and/or Location (if changed)		

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

## [Document Information](#)

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

<b>Document Number</b> <a href="#">7392</a>	<b>Document Title</b> <a href="#">Line-item Revision to SEMI M89-0721, Test Method for Recombination Lifetime of the Epilayer of the Silicon Epitaxial Wafer (p/p+, n/n+) by the Short Wavelength Excitation Microwave Photoconductive Decay Method</a>
 <b>Line Item 1</b>	<b>Line Item Title</b> <a href="#">To update JSNM information</a>

## 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 ¶ 9.6.2.1.1)**

Voting Tally (with example values):

Voting Interest:	Returned Vote	Distributio	Return Rate	
Letter Ballot	68	÷ 95	= 71.6%	≥60%
Intercommittee Ballot	38			
Voting Interest Reject(s)	0	Total Voters with Rejects		0
Voting Interest Accept(s)	63			

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 (Tsung-Yu Tsou/ TSMC) - Comment 1

Comment	*TF/TC Chapter to fill in section/paragraph #, if necessary.
	The proposed revision only updates the organizational information of JSNM related to JEITA EM-3506. As there is no technical impact on the test method or standard content, I have no comments and recommend approval.
Action	The TC Chapter agreed to do one of the following actions.
	*No motion is required in this step.
	<input type="checkbox"/> Already addressed by Commenter #, Comment #
	<input checked="" 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 type="checkbox"/> Editorial Change	

	Options for editorial change (check one)	<input type="checkbox"/>	<b>Case 1: No vote in this section:</b> To be included and voted on as a group in § VI. <i>Editorial Changes Other than Those Voted on in § V.</i>
		<input type="checkbox"/>	<b>Case 2: Voted in this section:</b> Original section number and at least one full sentence are required in "FROM" and "TO" fields.
		1	FROM: Section/Paragraph xxx
			TO: Section/Paragraph xxx
2	FROM: Section/Paragraph xxx		
	TO: Section/Paragraph xxx		
		Justification (If necessary)	
		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.	

**Commenter 2 (He Liang/ Ronma Solar) - Comment 1**

Comment	*TF/TC Chapter to fill in section/paragraph #, if necessary.		
	agree.		
Action	The TC Chapter agreed to do one of the following actions.		
	*No motion is required in this step.		
	<input type="checkbox"/>	Already addressed by Commenter #, Comment #	
	<input checked="" 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 type="checkbox"/>	Editorial Change	
	Options for editorial change (check one)	<input type="checkbox"/>	<b>Case 1: No vote in this section:</b> To be included and voted on as a group in § VI. <i>Editorial Changes Other than Those Voted on in § V.</i>
		<input type="checkbox"/>	<b>Case 2: Voted in this section:</b> Original section number and at least one full sentence are required in "FROM" and "TO" fields.

Editorial Changes	1	FROM: Section/Paragraph <b>xxx</b>
		TO: Section/Paragraph <b>xxx</b>
		Justification (If necessary)
	2	FROM: Section/Paragraph <b>xxx</b>
		TO: Section/Paragraph <b>xxx</b>
		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.	

**Commenter 3 (Yasuhiro Shimizu/ Shimizu Consultant) - Comment 1**

Comment	<b>*TF/TC Chapter to fill in section/paragraph #, if necessary.</b>	
	Please check the document carefully before ballot. In Background: To update JSNM information. (address of JSNM) In document: jsa, jeita and jsnm are written by blue letters with underline (as addition). Address of each association is written by black characters. (as no-change)	
Action	<b>The TC Chapter agreed to do one of the following actions.</b>	
	<b>*No motion is required in this step.</b>	
	<input type="checkbox"/>	Already addressed by Commenter #, Comment #
	<input checked="" 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 type="checkbox"/>	Editorial Change
Options for editorial change (check one)	<input 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>
	<input type="checkbox"/>	<b>Original section number and at least one full sentence are required in "FROM" and "TO" fields.</b>
	<input type="checkbox"/>	
Editorial	1	FROM: Section/Paragraph <b>xxx</b>
		TO: Section/Paragraph <b>xxx</b>

		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  
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	=	63	/	63	=	100.0%		≥90%	

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

**Note:** See *Regulations § 9.6.2* for further information.

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

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

**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.

<b>Motion</b>	<b>X</b>	<b>This is not a Safety Document</b> , when all safety-related information is removed, the Document is still technically sound and complete. ( <i>Regulations</i> ¶ 8.7.1)
		<b>This is a Safety Document</b> , when all safety-related information is removed, the Document is not technically sound and complete. ( <i>Regulations</i> ¶ 8.7.2)
		Safety Checklist ( <i>Regulations</i> ¶ 15.3) is complete and has been included with the Document throughout the balloting process. ( <i>Regulations</i> ¶ 15.1.2)
<b>Motion by/2<sup>nd</sup> by</b>		Tetsuya Nakai (SUMCO)/ Naoyuki J. Kawai (Self)
<b>Discussion</b>		None.
<b>Vote</b>		9 Y-0 N; Motion passed.

### 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 including all the approved Line Items\*. See Regulations § 16 for further information.

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

#### IX(a) Patented Technologies subsection

##### IX(a1) Total numbers of Patented Technologies to be dealt with

<b># Fill number</b>	(l) Known Patented Technology that might be relevant to the Standard/Safety Guideline	<b># Fill number</b>	(m) Number of patented technologies first became known to the TC Chapter on or after the day of the issuance of this Letter Ballot	<b>Postpone assessment of such patented technologies to be performed at the next scheduled TC Chapter meeting.</b>
		<b>#</b>	(n) Number of patented technologies first became known to	<b>GO TO IX (a2)</b>

		<b>Fill number</b>	the TC Chapter before the day of the issuance of this Letter Ballot	
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**IX(a2) Assessment of disclosed patented technologies**

<b>Disclosed patented technology #1</b> <i>(Brief description, e.g., patent title and number):</i>		<b>Date of Assessment (If different from the date of Letter Ballot adjudication)</b> MM/DD/YYYY		
Is disclosed patented technology #1 found to be "might be material" to the Standard/Safety Guideline?	YES (It is a PMPT)	Is the use of this PMPT technically justified?	YES	<b>PROCEED to assess NEXT one, or if this is the last one, GO TO IX(a3)</b>
	NO		NO	<b>The Document is failed and returned to the TF</b>
		NO	No further action is needed for patented technology #1	

*This table is needed for each disclosed patented technology.*

**IX(a3) LOA status check of PMPT of which inclusion assessed to be justified**

<b>LOA Status of PMPT #1</b>				
Has an LOA for this patented technology been received from every owner ?	YES	<b>PROCEED to check NEXT one, or if this is the last one, GO TO IX(b)</b>		
	NO	MOTION	Ask ISC for special permission to publish.	<b>The Document is failed and returned to the TF</b>
			Wait for LOA	
		<b>Motion by/ 2<sup>nd</sup> by</b>	Name (Company)/Name (Company)	
		<b>Discussion</b>	XXXX	
		<b>Vote</b>	XX Y-XX N; Motion passed (or failed)	

*This table is needed for each PMPT of which inclusion assessed to be justified.*

**IX(b1) Total numbers of copyrighted items to be dealt with**

<b># Fill number</b>	(o) Known copyrighted items that are used or reproduced to the Standard/Safety Guideline	<b>o &gt; 0</b> There is at least one known copy righted items that might be relevant to the Standard/Safety Guideline	<b>GO TO IX (b2)</b>
		<b>o = 0</b> There is no disclosed copyrighted item	<b>GO TO IX (c)</b>

**IX(b2) Assessment of disclosed copyrighted items**

<b>Disclosed copyrighted item #1</b> <i>(Brief description of its use in the Document):</i>					
Is disclosed copyrighted item #1 used or reproduced in the Standard/Safety Guideline?		YES	Is the use/reproduction of this copyrighted item technically justified?	YES	<b>PROCEED to assess NEXT one, or if this is the last one, GO TO IX(b3)</b>
		NO		NO	
		NO	No further action is needed for copyrighted item #1		

*This table is needed for each disclosed copyrighted item.*

**IX(b3) Copyright release status check of copyrighted item of which inclusion assessed to be justified**

<b>Copyright release Status of copyrighted item #1</b>					
Has the copyright release been received from its owner ?.		YES	<b>PROCEED to assess NEXT one, or if this is the last one, GO TO IX(c)</b>		
	MOTION	NO		Ask ISC for special permission to publish.	
				Quit activity.	<b>The Document is failed and returned to the TF</b>
				Wait for copyright release letter	<b>PROCEED to check NEXT one, or if this is the last one, GO TO IX(c)</b>
		<b>Motion by/ 2<sup>nd</sup> by</b>	Name (Company)/Name (Company)		
		<b>Discussion</b>	XXXX		
		<b>Vote</b>	XX Y-XX N; Motion passed (or failed)		

*This table is needed for each copyrighted item of which use/reproduction assessed to be justified.*

**IX(c) Assessment of disclosed (identified) trademark**

Is there any trademark in the Standard/Safety Guideline?		YES	Is every instance of trademark use technically justified?	YES	<b>GO TO IX(d)</b>
				NO	
		NO	<b>GO TO IX(d)</b>		

**IX(d) IP check completion condition check**

The co-chair checks if any Patented Technologies first become known to the TC Chapter on or after the day of the issuance of this Letter Ballot? i.e., m>0 in IX(a1)		YES	<b>Sections IX(a2) and IX(a3) shall be completed and recorded for such patented technologies at next scheduled meeting of the TC Chapter. Until then, the TC Chapter shall NOT go to X (making motion to pass/fail this Document) (see Regulations ¶ 16.4.1.2) Until then this Letter Ballot Review is on hold.</b>
		NO	<b>GO TO X</b>

## X. Action for This Document

<b>Motion</b> (Check all applicable items)	<input checked="" type="checkbox"/>	Line item(s) <a href="#">1</a> passed TC Chapter review as balloted and will be forwarded to the ISC A&R SC for procedural review.
	<input type="checkbox"/>	Line item(s) <a href="#">[X]</a> , <a href="#">[X]</a> and <a href="#">[X]</a> passed TC Chapter review with editorial changes and will be forwarded to the ISC A&R SC for procedural review.
	<input type="checkbox"/>	Line item(s) <a href="#">[X]</a> , <a href="#">[X]</a> and <a href="#">[X]</a> 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.
	<input type="checkbox"/>	Line item(s) <a href="#">[X]</a> , <a href="#">[X]</a> and <a href="#">[X]</a> failed TC Chapter review and will be returned to the TF for rework.
	<input type="checkbox"/>	Line item(s) <a href="#">[X]</a> , <a href="#">[X]</a> and <a href="#">[X]</a> failed TC Chapter review and work will be discontinued.
<b>Motion by/ 2nd by</b>	<a href="#">Tetsuya Nakai (SUMCO)</a> / <a href="#">Naoyuki J. Kawai (Self)</a>	
<b>Discussion</b>	<a href="#">None.</a>	
<b>Vote</b>	<a href="#">9 Y-0 N</a>	
<b>Final Action</b>	<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.**