

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

Region/Locale: **Japan**  
 Global Technical Committee: **Assembly & Packaging**  
 TC Chapter Cochairs: **Kazunori Kato/AiT, Masahiro Tsuruya/iNEMI**  
 Standards staff: **Chie Yanagisawa**

	<b>Scheduled in Background Statement</b>	<b>Actual</b>
<b>Date</b>	<b>07/24/2017</b>	<b>07/24/2017</b>
<b>Location</b>	<b>SEMI Japan office</b>	<b>SEMI Japan office</b>

### Document Information

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

<b>Document Number</b> 6149		<b>Document Title</b> Line Item Revision to SEMI G38-0996 (Reapproved 0811) "Test Method for Still- and Forced-Air Junction-to-Ambient Thermal Resistance Measurements of Integrated Circuit Packages"
<b>List of Line Items</b>	<b>Line Item 1</b>	<b>Line Item Title</b> Change section titles to meet the requirement which is specified section 3.2 of Procedure Manual
	<b>Line Item 2</b>	<b>Line Item Title</b> Add "Calculation" section title and get re-formatted to meet the requirement which is specified section 3.2 of Procedure Manual

## Line Item 1 Adjudication

### II. Tally (Standards staff to fill in)

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

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	43	÷	68	=	63.2%	>=60%
Intercommittee Ballot	33					
Voting Interest Reject(s)	0				Total Voters with Rejects	0
Voting Interest Accept(s)	31					

### III. Rejects

There is no reject vote on Line Item 1 of Ballot #6149.

### IV. Other Technical Issues

There is no Other Technical Issue on Line Item 1 of Ballot #6149.

### V. Comments

There is no comment on Line Item 1 of Ballot #6149.

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

There is no comment Created by handling Negative on Line Item 1 of Ballot #6149.

### VI. Editorial Changes other than those dealt with in Section V.

There is no Editorial Changes other than those dealt with in Section V on Line Item 1 of Ballot #6149.



## Line Item 2 Adjudication

### II. Tally (Standards staff to fill in)

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

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	43	÷	68	=	63.2%	>=60%
Intercommittee Ballot	33					
Voting Interest Reject(s)	0		Total Voters with Rejects		0	
Voting Interest Accept(s)	31					

### III. Rejects

There is no reject vote on Line Item 2 of Ballot #6149.

### IV. Other Technical Issues

There is no Other Technical Issue on Line Item 2 of Ballot #6149.

### V. Comments

There is no comment on Line Item 2 of Ballot #6149.

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

There is no comment Created by handling Negative on Line Item 2 of Ballot #6149.

### VI. Editorial Changes other than those dealt with in Section V.

There is no Editorial Changes other than those dealt with in Section V on Line Item 2 of Ballot #6149.

## 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	=	31	/	31	=	100.0%		>=90%	

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

See § 9.7.2 of the *Regulations* for further information

- Line Item 2 meets the Letter Ballot Approval Conditions for the global technical committee
- Line Item 2 meets the Letter Ballot Approval Conditions for the TC Chapter and a Ratification Ballot will be issued to verify Technical Changes

## Checks for Entire Document Including All Approved Line Items

### VIII. Safety Check

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 ¶ 8.7.1</i> )
		<b>This is a Safety Document</b> , 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> )
<b>Motion by/2nd by</b>		Kazunori Kato (AiT) / Hideki Suzuki (Shin-Etsu Polymer)
<b>Discussion</b>		None
<b>Vote</b>		6-0; 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.

<b>X</b>	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> )	
	X	No potentially material patented technology or reproduction of copyrighted items are known. <span style="background-color: #fce4ec; padding: 2px;">GO TO SECTION X</span>
		Potentially material patented technology or reproduction of copyrighted items are known, but a Letter of Assurance (LOA) or copyright release letter for such items has been obtained or presented to the TC Chapter. <span style="background-color: #fce4ec; padding: 2px;">GO TO SECTION X</span>
		Potentially material patented technology or reproduction of copyrighted items are 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.
<b>MOTION</b>		Ask ISC for special permission to publish.
		Quit activity.
		Wait for LOA for patented technology or release of copyrighted items.
<b>Motion by/2<sup>nd</sup> by</b>		Name (Company)/Name (Company)
<b>Discussion</b>		XXXX
<b>Vote</b>		XX-XX
<b>Final Action</b>		

\* 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

<b>Motion</b> <b>(Check all applicable items)</b>	<input checked="" type="checkbox"/>	Line item(s) [1] and [2] passed TC Chapter review as balloted and will be forwarded to the A&R for procedural review.
	<input type="checkbox"/>	Line item(s) [X], [X] and [X] passed TC Chapter review with editorial changes and will be forwarded to the A&R for procedural review.
	<input type="checkbox"/>	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 A&R SC for procedural review. A Ratification Ballot will be issued to verify the Technical Changes.
	<input type="checkbox"/>	Line item(s) [X], [X] and [X] failed TC Chapter review and will be returned to the task force for rework.
	<input type="checkbox"/>	Line item(s) [X], [X] and [X] failed TC Chapter review and work will be discontinued.
<b>Motion by/ 2nd by</b>	Kazunori Kato (AiT) / Hideki Suzuki (Shin-Etsu Polymer)	
<b>Discussion</b>	None	
<b>Vote</b>	6-0	
<b>Final Action</b>	<input checked="" type="checkbox"/>	Motion passed
	<input type="checkbox"/>	Motion failed

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

<b>A&amp;R</b>	<input type="checkbox"/>	Line item(s) [X], [X] and [X] are approved for publication
	<input type="checkbox"/>	Line item(s) [X], [X] and [X] are approved pending for acceptance of the Ratification Ballot
	<input type="checkbox"/>	Line item(s) [X], [X] and [X] are Not approved
	<b>Reason:</b>	