

Record of 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**

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

I. Document Number and Title

Document Number	Document Title
6161	Reapproval of SEMI G66-96 (Reapproved 0811): TEST METHOD FOR THE MEASUREMENT OF WATER ABSORPTION CHARACTERISTICS FOR SEMICONDUCTOR PLASTIC MOLDING COMPOUNDS

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)	1		Total Voter with Rejects		1	
Voting Interest Accept(s)	31					

III. Rejects

Voting Interest Reject 1 (Voting Interest Name: Sonoscan)

Voting Interest Reject 1- Voter Reject 1 (Voter: Steve Martell / Sonoscan)

Negative 1 of Voting Interest Reject 1- Voter Reject 1

Negative	Referenced Section/ Paragraph	*TF/TC Chapter to fill in including text in the ballot if necessary.		
	Negative Text	*Original complete Negative text (e.g., issue, justification, suggestion) should be copied. This standard should be dropped by SEMI. J-STD-020 (IPC/JEDEC) covers this subject in much more detail. Plus we coordinate J-STD-020 with JEITA ED-4701. In addition, we should refer to JEDEC JESD22-A120: Test Method for the Measurement of Moisture Diffusivity and Water Solubility in Organic Materials Used in Electronic Devices.		
TF input (optional)				
Withdrawal (check one)	<input checked="" type="checkbox"/>	No Negative withdrawal made by Voter.	GO TO "Related" subsection	
	<input type="checkbox"/>	Withdrawal document received by Standards staff on MM/DD/YYYY.	GO TO "Final" subsection → (A)	
Related	Motion and Reason (check one)	<input type="checkbox"/>	'Related' is mutually agreed upon. (Needs no Motion.)	GO TO "Persuasive" subsection
		<input checked="" type="checkbox"/>	Negative is not related. (Needs ≥2/3 votes to pass.)	
		Reason	This negative is not related to technical matter of this ballot. Also, this IPC/Jedec spec controls the SMD for moisture absorption (MSL). On the other hand, this document defines the mold resin material (tablet shape) for mold resin moisture absorption. Therefore, these two spec are completely different.	
	Motion by/2nd by	Masahiro Tsuruya (iNEMI) / Haruo Shimamoto (AIST)		
	Discussion	None		
	Result of Vote (check one)	<input type="checkbox"/>	[Negative is not related.] <2/3	GO TO "Persuasive" subsection
<input checked="" type="checkbox"/>		2/3 ≤ [Negative is not related.]	GO TO "Final" subsection → (B)	
Persuasive	Motion and Reason (check one)	<input type="checkbox"/>	Negative is related and persuasive. (Needs >1/3 votes to pass.)	
		<input type="checkbox"/>	Negative is related and not persuasive. (Needs ≥2/3 votes to pass.)	
		Reason	XXXX	
	Motion by/2nd by	Name (Company)/Name (Company)		
	Discussion			
Result of Vote	XX-XX; Motion passed/failed.			

	(check one)	<input type="checkbox"/>	[Negative is related and persuasive.] >1/3	Is a Technical Change Recommended? (Y/N)	Y	GO TO "Address by Technical Change Option" subsection	
		<input type="checkbox"/>	[Negative is related and not persuasive.] <2/3		N	GO TO "Final" subsection → (E)	
		<input type="checkbox"/>	2/3 ≤ [Negative is related and not persuasive.] <90%			GO TO "Final" subsection → (C)	
		<input type="checkbox"/>	90% ≤ [Negative is related and not persuasive.]			GO TO "Not Significant Finding Option" subsection	
Technical Change Recommended by the TF							
Note: Original section/paragraph number and at least one full sentence are required in "FROM" and "TO" fields.							
Address by Technical Change Option	Technical Change	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		Negative is addressed by the Technical Change.					
Motion by/2nd by		Name (Company)/Name (Company)					
Discussion							
Result of Vote one (check one)		XX-XX; Motion passed/failed.					
<input type="checkbox"/>	2/3 ≤ [Negative is addressed by the Technical Change.]					GO TO "Incorporation of the Technical Change" subsection	
<input type="checkbox"/>	[Negative is not addressed by the Technical Change.] < 2/3					GO TO "Final" subsection → (E)	
Incorporation of the Technical Change	Motion		To incorporate the Technical Change.				
	Motion by/2nd by		Name (Company)/Name (Company)				
	Discussion						
	Result of Vote (check one)		XX-XX; Motion passed/failed.				
<input type="checkbox"/>	90% ≤ [Agree to incorporate.]					GO TO "Final" subsection → (F)	
<input type="checkbox"/>	[Disagree to incorporate.] >10%					GO TO "Final" subsection → (E)	
Significant Finding	This option can only be used "if the TC Chapter finds a Negative not persuasive by a vote equal to or greater than 90% of the persons voting on the action". (Regulations ¶ 9.6.4.4.2)						
	Use of "Not significant"	<input type="checkbox"/>	It is mutually agreed upon to term the Negative "not significant".			GO TO "Final" subsection → (D)	

	finding option” (check one)	<input type="checkbox"/>	It is mutually agreed upon to term the Negative “significant”.	GO TO “Final” subsection → (C)	
		<input type="checkbox"/>	Whether or not the Negative is “not significant” is decided by a vote.		
	Motion	The Negative is “not significant”.			
	Motion by/2nd by	Name (Company)/Name (Company)			
	Vote	<input type="checkbox"/>	XX-XX; Motion passed with simple majority	GO TO “Final” subsection → (D)	
		<input type="checkbox"/>	XX-XX; Motion failed with simple majority	GO TO “Final” subsection → (C)	
Final	(check if applicable)	<input type="checkbox"/>	(A)	withdrawn (counted under h in disposition)	
		<input checked="" type="checkbox"/>	(B)	not related (counted under i in disposition)	
		<input type="checkbox"/>	(C)	related and not persuasive (significant)	
		<input type="checkbox"/>	(D)	not significant (counted under j in disposition)	
		<input type="checkbox"/>	(E)	related and persuasive and not addressed by Technical Change	DOCUMENT FAILS
		<input type="checkbox"/>	(F)	addressed by Technical Change (counted under k disposition)	
	(check if applicable)	<input type="checkbox"/>	Comment generated. See Section V-(ii) Comment # X.		

Disposition of Voting Interest Reject 1

1	Original number of Negatives	(g)	
0	# of Negatives withdrawn	(h)	
1	# of Negatives found not related	(i)	
0	# of Negatives found not significant	(j)	
0	# of Negatives addressed by Technical Change (Negative becomes not significant)	(k)	
Final	<input checked="" type="checkbox"/>	$g - (h + i + j + k) = 0$	Reject is Not Valid and is not included in the denominator of § VI. <i>Approval Conditions Check</i>
	<input type="checkbox"/>	$g - (h + i + j + k) > 0$	Reject is included in the denominator of § VI. <i>Approval Conditions Check</i>
	<input type="checkbox"/>	Reject without a Negative	Not Valid

Note: If all of the Negatives included with a Reject Vote are withdrawn, determined to be not related, or determined to be not significant, the Reject Vote is not valid. (Regulations ¶ 9.4.3.3)

Note: A Negative addressed by a technical change is automatically considered to be not significant. (Regulations ¶ 9.6.4.4.2)

IV. Other Technical Issues

There is no other technical issue on Ballot #6161.

V. Comments

There is no comment on Ballot #6161.

VIII. Safety Check

See § 15 of the *Regulations* for further information.

Motion:	X	This is not a Safety Document, when all safety-related information is removed, the Document is still technically sound and complete. (<i>Regulations</i> ¶ 8.7.1)
		This is a Safety Document, 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)
Motion by/2nd by		Masahiro Tsuruya (iNEMI) / Haruo Shimamoto (AIST)
Discussion		None
Vote		6-0; Motion passed

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 § 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 are known. GO TO SECTION X
		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. GO TO SECTION X
		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.
MOTION		Ask ISC for special permission to publish.
		Quit activity.
		Wait for LOA for patented technology or release of copyrighted items.
Motion by/2 nd by		Name (Company)/Name (Company)
Discussion		XXXX
Vote		XX-XX
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	<input checked="" type="checkbox"/>	This Document passed TC Chapter review as balloted and will be forwarded to the A&R SC for procedural review.
	<input type="checkbox"/>	This Document passed TC Chapter review with editorial changes and will be forwarded to the A&R SC for procedural review.
	<input type="checkbox"/>	This Document 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"/>	This Document failed TC Chapter review and will be returned to the TF for rework.
	<input type="checkbox"/>	This Document failed TC Chapter review and work will be discontinued.
Motion by/2nd by		Masahiro Tsuriya (iNEMI) / Haruo Shimamoto (AIST)
Discussion		None
Vote		6-0
Final Action	<input checked="" type="checkbox"/>	Motion passed
	<input type="checkbox"/>	Motion failed

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

A&R	<input type="checkbox"/>	Approved for publication
	<input type="checkbox"/>	Approved pending for acceptance of the Ratification Ballot
	<input type="checkbox"/>	Not approved
	Reason:	