

# Record of Letter Ballot Review by TC Chapter for Procedural Review

Region/Locale: [Japan](#)

Global Technical Committee: [3D Packaging and Integration](#)

TC Chapter Cochairs: [Kazunori Kato/AiT](#), [Masahiro Tsuruya/iNEMI](#), [Haruo Shimamoto/AIST](#)

Standards Staff: [Mami Nakajo](#)

	Scheduled in Background Statement	Actual
Date	<a href="#">01/18/2021</a>	<a href="#">01/18/2021</a>
Location	<a href="#">SEMI Japan</a>	<a href="#">SEMI Japan</a>
Reason for Change of Date and/or Location (if changed)		

Note: See [Regulations ¶ 9.5](#) Exceptions for allowable reason to change.

## I. Document Number and Title

Document Number	Document Title
<a href="#">6590</a>	<a href="#">New Standard: SPECIFICATION FOR GLASS CARRIER CHARACTERISTICS FOR PANEL LEVEL PACKAGING (PLP) APPLICATIONS</a>

## 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 Votes	Distribution	Return Rate	
Letter Ballot	<a href="#">69</a>	÷ <a href="#">113</a>	= <a href="#">61.1%</a>	≥60%
Intercommittee Ballot	<a href="#">43</a>			
Voting Interest Reject(s)	<a href="#">0</a>	Total Voters with Rejects		<a href="#">0</a>
Voting Interest Accept(s)	<a href="#">53</a>			

Note: See [Regulations § 3.2.1](#) for definition of Voting Interest.

### III. Rejects

None

### IV. Other Technical Issues

Note: TC Chapter may choose to address a technical issue that is not part of a Negative received on a Letter Ballot (i.e., a Comment or a reason not addressed by a Vote response) by handling it as a Negative and finding it related and technically persuasive. The TC Chapter may then fail the Document or address such technical issue by using the procedure defined in *Regulations* § 9.6.1.4.3 to make a technical change to the Document. (*Regulations* ¶ 9.6.1.4.2.5)

None

### V. Comments

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APPROVAL CONDITION 1: All Negatives have been discussed and were withdrawn, found not related, found not persuasive, or addressed by a technical change.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	=	53	/	53	=	100.0%		≥90%	

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

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

- Globally Approved (No Ratification Ballot needed):**  
The Letter Ballot meets the Letter Ballot approval conditions for the global technical committee.
- Need a Ratification Ballot:**  
The Letter Ballot meets the Letter Ballot approval conditions for the TC Chapter and a Ratification Ballot will be issued to validate technical changes.

## VIII. Safety Check

Note: See *Regulations* § 15 for further information.

Motion	<input checked="" type="checkbox"/>	<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)
	<input type="checkbox"/>	<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)
	<input type="checkbox"/>	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>		Mark Takahashi (retired)/ Haruo Shimamoto (AIST)
<b>Discussion</b>		None
<b>Vote</b>		14 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\*. See Regulations § 16 for further information.**

X	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)				
X	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?	Yes, at least one of them is a patented technology	<b>GO TO IX (a) “Patented Technology” subsection</b>	
			No	<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># Fill number</b>	(n) Number of patented technologies first became known to the TC Chapter before the day of the issuance of this Letter Ballot	<b>GO TO IX (a2)</b>

#### IX(a2) Assessment of disclosed patented technologies

<b>Disclosed patented technology #1</b> (Brief description, e.g., patent title and number):			<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**

LOA Status of PMPT #1					
Has an LOA for this patented technology been received from every owner ?		YES	PROCEED to check NEXT one, or if this is the last one, GO TO IX(b)		
		NO	MOTION		Ask ISC for special permission to publish.
					Quit activity. The Document is failed and returned to the TF
					Wait for LOA PROCEED to check NEXT one, or if this is the last one, GO TO IX(b1)
			Motion by/ 2 <sup>nd</sup> by	Name (Company)/Name (Company)	
			Discussion	XXXX	
			Vote	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**

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

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

Disclosed copyrighted item #1 (Brief description of its use in the Document):					
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 PROCEED to assess NEXT one, or if this is the last one, GO TO IX(b3)
					NO The Document is failed and returned to the TF
		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**

Copyright release Status of copyrighted item #1					
Has the copyright release been received from its owner ?.		YES	PROCEED to assess NEXT one, or if this is the last one, GO TO IX(c)		
		NO	≧		Ask ISC for special permission to publish.

				Quit activity.	The Document is failed and returned to the TF
				Wait for copyright release letter	PROCEED to check NEXT one, or if this is the last one, GO TO IX(c)
				Motion by/ 2 <sup>nd</sup> by	Name (Company)/Name (Company)
				Discussion	XXXX
				Vote	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	GO TO IX(d)
				NO	The Document is failed and returned to the TF
	X	NO	GO TO IX(d)		

### 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	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.
	X	NO	GO TO X

## X. Action for This Document

Motion	X	This Document passed TC Chapter review as balloted and will be forwarded to the ISC A&R SC for procedural review.
		This Document passed TC Chapter review with editorial changes and will be forwarded to the ISC A&R SC for procedural review.
		This Document 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.
		This Document failed TC Chapter review and will be returned to the TF for rework.
		This Document failed TC Chapter review and work will be discontinued.
Motion by/ 2 <sup>nd</sup> by	Mark Takahashi (retired)/ Haruo Shimamoto (AIST)	
Discussion	None	
Vote	13 Y-0 N	
Final Action	X	Motion passed
		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.