

Record of Letter Ballot Review by TC Chapter for Procedural Review

Region/Locale: [Japan](#)

Global Technical Committee: [PI&C](#)

TC Chapter Cochairs: [Tsuyoshi Nagashima / Mirai, Daisuke Sado / Daihen, Yasuhisa Itou / Murata machinery](#)

Standards Staff: [Chie Yanagisawa](#)

	Scheduled in Background Statement	Actual
Date	04/15/2020	09/10/2020
Location	SEMI Japan office, Tokyo	SEMI Japan office, Tokyo
Reason for Change of Date and/or Location (if changed)	In response to Tokyo municipal governor's strong request to work at home, SEMI Japan has decided not to host any face-to-face meetings at the SEMI Japan office until the end of April. SEMI Japan also decided to postpone and reschedule PI&C Japan TC Chapter Meeting on April 15.	

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

I. Document Number and Title

Document Number	Document Title
6618	New Standard: SPECIFICATION FOR PANEL FOUR FOR PANEL LEVEL PACKAGING

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	52	÷ 80	= 65.0%	≥60%
Intercommittee Ballot	36			
Voting Interest Reject(s)	2	Total Voters with Rejects		2
Voting Interest Accept(s)	40			

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

III. Rejects

Voting Interest Reject 1 (Voting Interest Name: TEL)

Voter Reject 1 (Voter: Supica Mashiro/Tokyo Electron Ltd.)

Negative 1

Negative	Referenced Section/ Paragraph	*TF/TC Chapter to fill in, including text in the ballot if necessary.		
		Paragraph 1.1		
Negative	Negative Text	*Original complete Negative text (e.g., issue, justification, suggestion) should be copied.		
		<p>The reference is inaccurate. As long as the reference is correct one, no need of adding modifiers to the referenced Standard. (e.g., "the relevant", for 510mm x 510mm panel size and ...)</p> <p>[Suggestion] Change "the Panel FOUP intended to be used to transport and store Panels, as specified by the relevant SEMI Standard 3D20 for 510 mm x 515 mm panel size and 600 mm x 600 mm panel size." to "the Panel FOUP intended to be used to transport and store Panels specified by SEMI 3D20"</p>		
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	<input checked="" type="checkbox"/>	'Related' is mutually agreed upon. (Needs no motion.)	GO TO "Persuasive" subsection	
		Negative is not related. (Needs ≥2/3 votes to pass.)		
		Reason	XXXX	
	Motion by/ 2 nd by	Name (Company)/Name (Company)		
	Discussion			
Result of Vote (check one)	<input type="checkbox"/>	XX Y-XX N; Motion passed/failed.		
	<input type="checkbox"/>	[Negative is not related.] < 2/3	GO TO "Persuasive" subsection	
	<input type="checkbox"/>	2/3 ≤ [Negative is not related.]	GO TO "Final" subsection → (B)	
Persuasive	<input checked="" type="checkbox"/>	Negative is related and persuasive. (Needs >1/3 votes to pass.)		
		Negative is related and not persuasive. (Needs ≥2/3 votes to pass.)		
		Reason	XXXX	
	Motion by/ 2 nd by	Shoji Komatsu (Acteon NEXT) / Hiroyuki Shida (Consultant)		
	Discussion	None		
		7 Y-0 N; Motion passed		

Result of Vote (check one)		[Negative is related and persuasive.] > 1/3	Is a technical change recommended? (check one)	X	Y	GO TO "Address by Technical Change Option" subsection
		[Negative is related and not persuasive.] < 2/3			N	GO TO "Final" subsection → (E)
		2/3 ≤ [Negative is related and not persuasive.] < 90%	GO TO "Final" subsection → (C)			
		90% ≤ [Negative is related and not persuasive.]	GO TO "Not Significant Finding Option" subsection			
Technical Change Recommendations						
Original section/paragraph number and at least one full sentence are required in "FROM" and "TO" fields.						
Address by Technical Change Option	Technical Changes	1	FROM: Section/Paragraph 1.1			
			1.1 The purpose of this Document is to establish basic physical dimensions for the Panel FOUP intended to be used to transport and store Panels, as specified by the relevant SEMI Standard 3D20 for 510 mm × 515 mm panel size and 600 mm × 600 mm panel size.			
			TO: Section/Paragraph 1.1			
		1.1 The purpose of this Document is to establish basic physical dimensions for the Panel FOUP intended to be used to transport and store Panels, as specified by the relevant SEMI Standard -3D20 for 510 mm × 515 mm panel size and 600 mm × 600 mm panel size.				
		Justification (if necessary)				
		2	FROM: Section/Paragraph XXX			
		TO: Section/Paragraph xxx				
		Justification (if necessary)				
	Motion	Negative is addressed by the technical change(s).				
	Motion by/2 nd by	Shoji Komatsu (Acteon) / Tsukasa Fukunaga (Shin-Etsu Polymer)				
	Discussion	None				
	Result of Vote (check one)	7 Y-0 N; Motion passed				
		X	2/3 ≤ [Negative is addressed by the technical change(s).]	GO TO "Incorporation of the Technical Change" subsection		
			[Negative is not addressed by the technical change(s).] < 2/3	GO TO "Final" subsection → (E)		
	Incorporation of the Technical Change	Motion	To incorporate the technical change(s).			
		Motion by/2 nd by	Shoji Komatsu (Acteon) / Naomune Taniguchi (Tokyo Seimitsu)			
		Discussion	None			
		Result of Vote (check one)	7 Y-0 N; Motion passed			
	X		90% ≤ [Agree to incorporate.]	GO TO "Final" subsection → (F)		
			[Disagree to incorporate.] > 10%	GO TO "Final" subsection → (E)		

Not Significant Finding Option	This option can be used only “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 ¶ 9.6.1.4.5.2)			
	Use of “Not significant finding option” (check one)	<input type="checkbox"/>	It is mutually agreed upon to term the Negative “not significant”.	GO TO “Final” subsection → (D)
		<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 Y-XX N; Motion passed with simple majority	GO TO “Final” subsection → (D)
		<input type="checkbox"/>	XX Y-XX N; 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 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
	<input checked="" 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.		

This table is needed for each Negative.

Negative 2

Negative	Referenced Section/ Paragraph	*TF/TC Chapter to fill in, including text in the ballot if necessary.		
		Paragraph 2.1 and 2.2		
Negative	Negative Text	*Original complete Negative text (e.g., issue, justification, suggestion) should be copied.		
		Delete “SEMI” form “SEMI Subordinate Standard” Or, change “SEMI Subordinate Standard” to “applicable Subordinate Standard of this (Primary) Standard” Referring a generic and undefined term would cause unnecessary confusions. Please note, “SEMI Subordinate Standard” is not defined in the Regulations or PM. There are many Subordinate Standards that have been developed on under development in the (SEMI Standard) Program, most of them are not relevant to this Document. Suggestion The way how Subordinate Standard are referred in 6.1.2 and NOTE3 or similar to be adopted		
	TF input (optional)			
Related	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 checked="" type="checkbox"/>	‘Related’ is mutually agreed upon. (Needs no motion.)	GO TO “Persuasive” subsection
		<input type="checkbox"/>	Negative is not related. (Needs ≥2/3 votes to pass.)	

		Reason	XXXX			
	Motion by/ 2 nd by	Name (Company)/Name (Company)				
	Discussion					
	Result of Vote (check one)	XX Y-XX N; Motion passed/failed.				
		[Negative is not related.] < 2/3	GO TO "Persuasive" subsection			
		2/3 ≤ [Negative is not related.]	GO TO "Final" subsection → (B)			
Persuasive	Motion and Reason (check one)	X	Negative is related and persuasive. (Needs >1/3 votes to pass.)			
			Negative is related and not persuasive. (Needs ≥2/3 votes to pass.)			
		Reason	XXXX			
	Motion by/ 2 nd by	Shoji Komatsu (Acteon) / Tsukasa Fukunaga (Shin-Etsu Polymer)				
	Discussion	None				
	Result of Vote (check one)	6 Y-0 N; Motion passed.				
		X	[Negative is related and persuasive.] > 1/3	Is a technical change recommended? (check one)	X	Y
		[Negative is related and not persuasive.] < 2/3			N	GO TO "Final" subsection → (E)
		2/3 ≤ [Negative is related and not persuasive.] < 90%	GO TO "Final" subsection → (C)			
		90% ≤ [Negative is related and not persuasive.]	GO TO "Not Significant Finding Option" subsection			
Address by Technical Change Option	Technical Change Recommendations Original section/paragraph number and at least one full sentence are required in "FROM" and "TO" fields.					
	Technical Changes 1	FROM: Section/Paragraph 2.1 and 2.2 2.1 This Document specifies the external features and dimensions of the Panel FOUP, however, individual dimensions related to panel size and number of stored panels are specified by SEMI Subordinate Standard. 2.2 This Document specifies the interior exclusion volumes for supporting and restraining Panels in the Panel FOUP, however, individual dimensions related to panel size and number of stored panels are specified by SEMI Subordinate Standard.				
		TO: Section/Paragraph 2.1 and 2.2 2.1 This Document specifies the external features and dimensions of the Panel FOUP, however, individual dimensions related to panel size and number of stored panels are specified by <u>the SEMI Subordinate Standards</u> . 2.2 This Document specifies the interior exclusion volumes for supporting and restraining Panels in the Panel FOUP, however, individual dimensions related to panel size and number of stored panels are specified by <u>the SEMI Subordinate Standards</u> .				
	Justification (if necessary)					

	2	FROM: Section/Paragraph XXX	
		TO: Section/Paragraph xxx	
		Justification (if necessary)	
Motion		Negative is addressed by the technical change(s).	
Motion by/2nd by		Shoji Komatsu (Acteon) / Tsukasa Fukunaga (Shin-Etsu Polymer)	
Discussion		None	
Result of Vote (check one)		7 Y-0 N; Motion passed.	
		<input checked="" type="checkbox"/>	2/3 ≤ [Negative is addressed by the technical change(s).] GO TO “Incorporation of the Technical Change” subsection
		<input type="checkbox"/>	[Negative is not addressed by the technical change(s).] < 2/3 GO TO “Final” subsection → (E)
Incorporation of the Technical Change	Motion		To incorporate the technical change(s).
	Motion by/2nd by		Shoji Komatsu (Acteon) / Tsukasa Fukunaga (Shin-Etsu Polymer)
	Discussion		None
	Result of Vote (check one)		6 Y-0 N; Motion passed.
<input checked="" type="checkbox"/>			90% ≤ [Agree to incorporate.] GO TO “Final” subsection → (F)
<input type="checkbox"/>	[Disagree to incorporate.] > 10% GO TO “Final” subsection → (E)		
Not Significant Finding Option	This option can be used only “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 ¶ 9.6.1.4.5.2)		
	Use of “Not significant finding option” (check one)	<input type="checkbox"/>	It is mutually agreed upon to term the Negative “not significant”. GO TO “Final” subsection → (D)
		<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 Y-XX N; Motion passed with simple majority	GO TO “Final” subsection → (D)
	<input type="checkbox"/>	XX Y-XX N; 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 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 checked="" type="checkbox"/>	(F) Addressed by technical change (counted under k disposition)

<i>(check if applicable)</i>		Comment generated. <i>See Section V-(ii) Comment # X.</i>
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Negative 3

Negative	Referenced Section/ Paragraph	*TF/TC Chapter to fill in, including text in the ballot if necessary.				
		NOTE 2 after 5.2.1				
	Negative Text	*Original complete Negative text (e.g., issue, justification, suggestion) should be copied.				
		The terminology is incomplete as it does not provides definition of the term.				
		Reason/Justification Providing meaning of the term is the primary function of the "Definition" section. Usage etc. may be appended if it is necessary for assisting readers understanding.				
		Suggestion Currently suggested wording may be added as a Discussion.				
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 checked="" type="checkbox"/>	'Related' is mutually agreed upon. (Needs no motion.)		GO TO "Persuasive" subsection	
		<input type="checkbox"/>	Negative is not related. (Needs ≥2/3 votes to pass.)			
		<input type="checkbox"/>	Reason	XXXX		
	Motion by/ 2nd by	Name (Company)/Name (Company)				
	Discussion					
	Result of Vote (check one)	XX Y-XX N; Motion passed/failed.				
<input type="checkbox"/>		[Negative is not related.] < 2/3		GO TO "Persuasive" subsection		
<input type="checkbox"/>		2/3 ≤ [Negative is not related.]		GO TO "Final" subsection → (B)		
Persuasive	Motion and Reason (check one)	<input checked="" 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.)			
		<input type="checkbox"/>	Reason	XXXX		
	Motion by/ 2nd by	Shoji Komatsu (Acteon) / Tsukasa Fukunaga (Shin-Etsu Polymer)				
	Discussion	None				
	Result of Vote (check one)	7 Y-0 N; Motion passed.				
<input checked="" type="checkbox"/>		[Negative is related and persuasive.] > 1/3	Is a technical change recommended? (check one)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	GO TO "Address by Technical Change Option" subsection

			[Negative is related and not persuasive.] < 2/3		N	GO TO “Final” subsection → (E)	
			2/3 ≤ [Negative is related and not persuasive.] < 90%	GO TO “Final” subsection → (C)			
			90% ≤ [Negative is related and not persuasive.]	GO TO “Not Significant Finding Option” subsection			
Address by Technical Change Option	Technical Change Recommendations						
	Original section/paragraph number and at least one full sentence are required in “FROM” and “TO” fields.						
	Technical Changes	1	FROM: Section/Paragraph 5.2.1 5.2.1 Panel FOUP — used generally as a ‘term’ only within this Document to identify the front-opening carrier used in fabs for Panels.				
			TO: Section/Paragraph 5.2.1 5.2.1 Panel FOUP — <u>type of FOUP used for storage of panels and/or for transportation.</u> used generally as a ‘term’ only within this Document to identify the front-opening carrier used in fabs for Panels.—				
		Justification (if necessary)					
		2	FROM: Section/Paragraph NOTE 2 NOTE 2: Unless otherwise specified, the word ‘carrier’ used herein shall mean Panel FOUP.				
	TO: Section/Paragraph NOTE 2 NOTE 2: Unless otherwise specified, the word ‘carrier’ used herein shall mean Panel FOUP.						
	Justification (if necessary)						
	Motion		Negative is addressed by the technical change(s).				
	Motion by/2 nd by		Shoji Komatsu (Acteon) / Tsukasa Fukunaga (Shin-Etsu Polymer)				
Discussion		None					
Result of Vote (check one)		7 Y-0 N; Motion passed					
		X	2/3 ≤ [Negative is addressed by the technical change(s).]		GO TO “Incorporation of the Technical Change” subsection		
			[Negative is not addressed by the technical change(s).] < 2/3		GO TO “Final” subsection → (E)		
Incorporation of the Technical Change	Motion		To incorporate the technical change(s).				
	Motion by/2 nd by		Shoji Komatsu (Acteon) / Tsukasa Fukunaga (Shin-Etsu Polymer)				
	Discussion		None				
	Result of Vote (check one)		6 Y-0 N; Motion passed				
X			90% ≤ [Agree to incorporate.]		GO TO “Final” subsection → (F)		
			[Disagree to incorporate.] > 10%		GO TO “Final” subsection → (E)		
Not Sign	This option can be used only “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 ¶ 9.6.1.4.5.2)						

	Use of “Not significant finding option” (check one)	<input type="checkbox"/>	It is mutually agreed upon to term the Negative “not significant”.	GO TO “Final” subsection → (D)	
		<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/ 2 nd by	Name (Company)/Name (Company)			
	Vote	<input type="checkbox"/>	XX Y-XX N; Motion passed with simple majority	GO TO “Final” subsection → (D)	
		<input type="checkbox"/>	XX Y-XX N; 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 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 checked="" 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.			

Negative 4

Negative	Referenced Section/ Paragraph	*TF/TC Chapter to fill in, including text in the ballot if necessary. 5.2.13			
	Negative Text	*Original complete Negative text (e.g., issue, justification, suggestion) should be copied. What is the “diameter specification” for rectangular shaped Panels? This doesn’t make sense Reason/Justification Diameter cannot be defined or specified for an rectangular plate object.			
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 checked="" type="checkbox"/>	‘Related’ is mutually agreed upon. (Needs no motion.) GO TO “Persuasive” subsection		
		<input type="checkbox"/>	Negative is not related. (Needs ≥2/3 votes to pass.)		
		Reason	XXXX		
	Motion by/ 2 nd by	Name (Company)/Name (Company)			
Discussion					
		XX Y-XX N; Motion passed/failed.			

	Result of Vote (check one)	<input type="checkbox"/>	[Negative is not related.] < 2/3	GO TO “Persuasive” subsection			
	Result of Vote (check one)	<input type="checkbox"/>	2/3 ≤ [Negative is not related.]	GO TO “Final” subsection → (B)			
Persuasive	Motion and Reason (check one)	<input checked="" 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	Shoji Komatsu (Acteon) / Tsukasa Fukunaga (Shin-Etsu Polymer)					
	Discussion	None					
	Result of Vote (check one)	7 Y-0 N; Motion passed					
		<input checked="" type="checkbox"/>	[Negative is related and persuasive.] > 1/3	Is a technical change recommended? (check one)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	GO TO “Address by Technical Change Option” subsection
<input type="checkbox"/>		[Negative is related and not persuasive.] < 2/3		<input type="checkbox"/>	<input type="checkbox"/>	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				
Address by Technical Change Option	Technical Change Recommendations Original section/paragraph number and at least one full sentence are required in “FROM” and “TO” fields.						
	1	Technical Changes	FROM: Section/Paragraph 5.2.13 5.2.13 <i>Panel seating plane</i> — the bottom surface of an ideally rigid flat disk that meets the diameter specification for 510 mm × 515 mm and 600 mm × 600 mm Panels, with negligible droop due to gravity, as it rests on the Panel supports.				
			TO: Section/Paragraph 5.2.13 5.2.13 <i>Panel seating plane</i> — the bottom surface of an ideally rigid flat <u>Panel</u> disk that meets the outer dimension diameter specification for 510 mm × 515 mm or and 600 mm × 600 mm Panels with negligible droop due to gravity, as it rests on the Panel supports.				
			Justification (if necessary)				
	2	Technical Changes	FROM: Section/Paragraph XXX				
			TO: Section/Paragraph xxx				
Justification (if necessary)							
Motion		Negative is addressed by the technical change(s).					
Motion by/2nd by		Shoji Komatsu (Acteon) / Tsukasa Fukunaga (Shin-Etsu Polymer)					

	Discussion	None	
	Result of Vote (check one)	<input checked="" type="checkbox"/>	7 Y-0 N; Motion passed
		<input type="checkbox"/>	2/3 ≤ [Negative is addressed by the technical change(s).] GO TO “Incorporation of the Technical Change” subsection
		<input type="checkbox"/>	[Negative is not addressed by the technical change(s).] < 2/3 GO TO “Final” subsection → (E)
Incorporation of the Technical Change	Motion	To incorporate the technical change(s).	
	Motion by/2 nd by	Shoji Komatsu (Acteon) / Tsukasa Fukunaga (Shin-Etsu Polymer)	
	Discussion	None	
	Result of Vote (check one)	<input checked="" type="checkbox"/>	7 Y-0 N; Motion passed
<input type="checkbox"/>		90% ≤ [Agree to incorporate.]	GO TO “Final” subsection → (F)
	<input type="checkbox"/>	[Disagree to incorporate.] > 10%	GO TO “Final” subsection → (E)
Not Significant Finding Option	This option can be used only “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 ¶ 9.6.1.4.5.2)		
	Use of “Not significant finding option” (check one)	<input type="checkbox"/>	It is mutually agreed upon to term the Negative “not significant”. GO TO “Final” subsection → (D)
		<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/ 2 nd by	Name (Company)/Name (Company)		
Vote	<input type="checkbox"/>	XX Y-XX N; Motion passed with simple majority	GO TO “Final” subsection → (D)
	<input type="checkbox"/>	XX Y-XX N; 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 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 checked="" 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

Check only when the Document has not been failed.

4	Original number (#) of Negatives		(g)
0	Number of Negatives withdrawn		(h)
0	Number of Negatives found not related		(i)
0	Number of Negatives found not significant		(j)
4	Number of Negatives addressed by technical change (Negative becomes not significant)		(k)
Final	X	$g - (h + i + j + k) = 0$	Reject is Not Valid and is not included in the denominator of § VI. <i>Approval Conditions Check</i>
		$g - (h + i + j + k) > 0$	Reject is included in the denominator of § VI. <i>Approval Conditions Check</i>
		Reject without a Negative	Not Valid

This table is needed for each Voting Interest Reject.

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 ¶ 9.6.1.4.5.2)*

Voting Interest Reject 2 (Voting Interest Name: Middlesex)
Voter Reject 1 (Voter: George W Horn/Middlesex Industries SA)

Negative 1

Negative	Referenced Section/ Paragraph	<p>*TF/TC Chapter to fill in, including text in the ballot if necessary.</p> <p>Paragraph 15 and Figure 18 and 19</p>	
	Negative Text	<p>*Original complete Negative text (e.g., issue, justification, suggestion) should be copied.</p> <p>This negative ballot accepts the proposed standard in its entirety, without exceptions as is, provided, that the paragraph 15.2.1 and figures 18 and 19 are added to the standard, as below.</p> <p>Rationale: In this company's 50 years of experience, performing 100 Million plus annual moves with its conveyors, the above additions to the standard will enable it to continue serving its customers with guaranteed clean, high flow rate, long distance conveyors. This follows the physical necessities of avoiding conveyor rail transport on a shared carrier bottom surface (as have learned with the 300 mm FOUP), minimizing conveyor and carrier contacts, and the necessities of safety at high acceleration and speed of the carrier.</p> <p>The conveyor rail designs as included in the existing proposed standard, may be adequate for low speed, short distance moves of the carrier, in and in vicinity of process tool sets with handling means, and thus we confirm their acceptance.</p> <p>15.2.1 Conveyor Rail Surface Dimensions – For Clean transport applications and applications exceeding intra tool move dimensions the Conveyor rail as described in 15.2 is inadequate due to its inherent tendency for contaminant transfer (unprotected transport surface = bottom stacking surface), and its inadequate guiding edge height (jumping the track due to mass and velocity of movement). Consequently the conveyor rail defined by x1, y1, x5 and z10 should be used, z12 below the HP. Fig.18a and Fig 19a.</p> <div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> <p>Figure 18a Side Conveyor Rail Locations</p> </div> <div style="text-align: center;"> <p>Figure 19a Side Conveyor Rail - Section at FP</p> </div> </div>	
TF input (optional)	<p>The TF agreed that the proposal of Middlesex will be reflected in Subordinate Standard Appendix at the next timing.</p>		
Withdrawal (check one)	<input type="checkbox"/>	No Negative withdrawal made by Voter.	GO TO "Related" subsection
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Withdrawal document received by Standards staff on 05/07/2020	GO TO "Final" subsection → (A)
Related (check one)	<input type="checkbox"/>	'Related' is mutually agreed upon. (Needs no motion.)	GO TO "Persuasive" subsection
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Negative is not related. (Needs ≥2/3 votes to pass.)	

		Reason	XXXX			
	Motion by/ 2 nd by	Name (Company)/Name (Company)				
	Discussion					
	Result of Vote (check one)	XX Y-XX N; Motion passed/failed.				
		[Negative is not related.] < 2/3	GO TO "Persuasive" subsection			
		2/3 ≤ [Negative is not related.]	GO TO "Final" subsection → (B)			
Persuasive	Motion and Reason (check one)	Negative is related and persuasive. (Needs >1/3 votes to pass.)				
		Negative is related and not persuasive. (Needs ≥2/3 votes to pass.)				
	Reason	XXXX				
	Motion by/ 2 nd by	Name (Company)/Name (Company)				
	Discussion					
	Result of Vote (check one)	XX Y-XX N; Motion passed/failed.				
		[Negative is related and persuasive.] > 1/3	Is a technical change recommended? (check one)		Y	GO TO "Address by Technical Change Option" subsection
[Negative is related and not persuasive.] < 2/3				N	GO TO "Final" subsection → (E)	
2/3 ≤ [Negative is related and not persuasive.] < 90%		GO TO "Final" subsection → (C)				
90% ≤ [Negative is related and not persuasive.]	GO TO "Not Significant Finding Option" subsection					
Address by Technical Change Option	Technical Change Recommendations Original section/paragraph number and at least one full sentence are required in "FROM" and "TO" fields.					
	1	FROM: Section/Paragraph 1.1				
		TO: Section/Paragraph 1.1				
		Justification (if necessary)				
	2	FROM: Section/Paragraph XXX				
TO: Section/Paragraph xxx						
Justification (if necessary)						

	Motion	Negative is addressed by the technical change(s).		
	Motion by/2nd by	Name (Company)/Name (Company)		
	Discussion			
	Result of Vote (check one)	XX Y-XX N; Motion passed/failed.		
		<input type="checkbox"/> 2/3 ≤ [Negative is addressed by the technical change(s).]	GO TO “Incorporation of the Technical Change” subsection	
		<input type="checkbox"/> [Negative is not addressed by the technical change(s).] < 2/3	GO TO “Final” subsection → (E)	
Incorporation of the Technical Change	Motion	To incorporate the technical change(s).		
	Motion by/2nd by	Name (Company)/Name (Company)		
	Discussion			
	Result of Vote (check one)	XX Y-XX N; 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)		
Not Significant Finding Option	This option can be used only “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 ¶ 9.6.1.4.5.2)			
	Use of “Not significant finding option” (check one)	<input type="checkbox"/> It is mutually agreed upon to term the Negative “not significant”.	GO TO “Final” subsection → (D)	
		<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 Y-XX N; Motion passed with simple majority	GO TO “Final” subsection → (D)	
		<input type="checkbox"/> XX Y-XX N; Motion failed with simple majority	GO TO “Final” subsection → (C)	
Final	(check if applicable)	<input checked="" type="checkbox"/> (A)	Withdrawn (counted under h in disposition)	
		<input 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.	

This table is needed for each Negative.

Disposition of Voting Interest Reject 2

Check only when the Document has not been failed.

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

This table is needed for each Voting Interest Reject.

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 ¶ 9.6.1.4.5.2*)

IV. Other Technical Issues

None

V. Comments

V- (i) Voters' Comments

Commenter 1 (Larry Hartsough/UA Associates) - Comment 1

Comment	<p>*TF/TC Chapter to fill in section/paragraph #, if necessary.</p>	
	<p>Comments:</p> <p>1. If definitions of terms are lifted verbatim from the COT, that fact should be acknowledged by reference to the source Standard. See PM A3-8(8). For example, in ¶5.2.2, end the definition as follows: ... primary KCPs (SEMI E154). All of the terms should be examined. The addition of source would be a Type 1 editorial change.</p> <p>2. Subordinate Standards should be listed in the Primary; see PM ¶¶ 3.8.4.3.3.1 and A3-10. Shannon Austin has provided the following guidance:</p> <p>If the Parent and Subordinate documents are being approved at the same time, the Parent document should have a Subordinate Standards section at the end of the document. For example: 20 Related Documents 20.1 Subordinate Standards 20.1.1 SEMI XXX.X SPECIFICATION FOR PANEL FOUNDRY FOR 510 to 515 mm PANEL SIZE and 12 SLOTS * Until the Parent and Subordinate designation numbers are assigned, they would be listed as SEMI XXX.X - with the title. The addition of this section would be a Type 1 editorial change.</p>	
Action	<p>The TC Chapter agreed to do one of the following actions.</p>	
	<p>*No motion is required in this step.</p>	
	<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 type="checkbox"/>	<p>Case 1: No vote in this section:</p> <p>To be included and voted on as a group in § VI. Editorial Changes Other than Those Voted on in § V.</p>
	<input type="checkbox"/>	<p>Case 2: Voted in this section:</p> <p>Original section number and at least one full sentence are required in "FROM" and "TO" fields.</p>
	<input type="checkbox"/>	
	<input type="checkbox"/>	

FROM: Section/Paragraph 5.2*5.2 Definitions*

5.2.1 *Panel FOUP* — used generally as a ‘term’ only within this Document to identify the front-opening carrier used in fabs for Panels.

NOTE2: Unless otherwise specified, the word ‘carrier’ used herein shall mean Panel FOUP.

5.2.2 *bilateral plane (BP)* — a vertical plane, defining $x=0$ of a system with three orthogonal planes (HP, BP, FP), coincident with the nominal location of the rear primary KCP, and midway between the nominal locations of the front primary KCPs.

5.2.3 *centerline (CL)* — a horizontal line centered vertically on the Panel FOUP door used as the reference for z dimensions of door features.

5.2.4 *facial plane (FP)* — a vertical plane, defining $y=0$ of a system with three orthogonal planes (HP, BP, FP), $y_{33}=194 \pm 0$ mm in front of the nominal location of the rear primary KCP.

5.2.5 *front (of Panel FOUP)* — the part of the Panel FOUP closest to the door.

5.2.6 *horizontal plane (HP)* — a horizontal plane, defining $z=0$ of a system with three orthogonal planes (HP, BP, FP), coincident with the nominal location of the uppermost points (tips) of the three KCPs.

5.2.7 *nominal location* — the value a dimension would have if its tolerance were reduced to zero.

5.2.8 *nominal Panel seating plane* — a horizontal plane that bisects the Panel pickup volume.

5.2.9 *origin* — the intersection of the BP and FP.

5.2.10 *plane* — a theoretical surface which has infinite width and length, zero thickness and zero curvature.

5.2.11 *rear (of Panel FOUP)* — the part of the Panel FOUP farthest from its door.

5.2.12 *Panel deflection* — change in Panel shape (TIR) due to gravity while the Panel is resting on the Panel FOUP Panel supports with the Panel FOUP door open.

5.2.13 *Panel seating plane* — the bottom surface of an ideally rigid flat disk that meets the diameter specification for 510 mm × 515 mm and 600 mm × 600 mm Panels, with negligible droop due to gravity, as it rests on the Panel supports.

5.2.14 *process carrier* — a device or material, usually Si, ceramic, glass, or metal, that provides temporary mechanical support to hold one or more panels during processing.

5.2.15 *Panel*— the rectangular base material to implement panel level packaging processes.

5.2.16 *Panel substrate*— the rectangular starting material (often epoxy or glass) that can be used to implement panel level packaging processes.

		<p>TO: Section/Paragraph 5.2</p> <p><i>5.2 Definitions</i></p> <p>5.2.1 <i>Panel FOUP</i> — used generally as a ‘term’ only within this Document to identify the front-opening carrier used in fabs for Panels.</p> <p>NOTE2: Unless otherwise specified, the word ‘carrier’ used herein shall mean Panel FOUP.</p> <p>5.2.2 <i>bilateral plane (BP)</i> — a vertical plane, defining $x=0$ of a system with three orthogonal planes (HP, BP, FP), coincident with the nominal location of the rear primary KCP, and midway between the nominal locations of the front primary KCPs. [SEMI E158]</p> <p>5.2.3 <i>centerline (CL)</i> — a horizontal line centered vertically on the Panel FOUP door used as the reference for z dimensions of door features. [SEMI E158]</p> <p>5.2.4 <i>facial plane (FP)</i> — a vertical plane, defining $y=0$ of a system with three orthogonal planes (HP, BP, FP), $y_{33}=194 \pm 0$ mm in front of the nominal location of the rear primary KCP. [SEMI E158]</p> <p>5.2.5 <i>front (of Panel FOUP)</i> — the part of the Panel FOUP closest to the door. [SEMI E158]</p> <p>5.2.6 <i>horizontal plane (HP)</i> — a horizontal plane, defining $z=0$ of a system with three orthogonal planes (HP, BP, FP), coincident with the nominal location of the uppermost points (tips) of the three KCPs. [SEMI E158]</p> <p>5.2.7 <i>nominal location</i> — the value a dimension would have if its tolerance were reduced to zero. [SEMI E158]</p> <p>5.2.8 <i>nominal Panel seating plane</i> — a horizontal plane that bisects the Panel pickup volume.</p> <p>5.2.9 <i>origin</i> — the intersection of the BP and FP. [SEMI E158]</p> <p>5.2.10 <i>plane</i> — a theoretical surface which has infinite width and length, zero thickness and zero curvature.</p> <p>5.2.11 <i>rear (of Panel FOUP)</i> — the part of the Panel FOUP farthest from its door.</p> <p>5.2.12 <i>Panel deflection</i> — change in Panel shape (TIR) due to gravity while the Panel is resting on the Panel FOUP Panel supports with the Panel FOUP door open.</p> <p>5.2.13 <i>Panel seating plane</i> — the bottom surface of an ideally rigid flat disk that meets the diameter specification for 510 mm × 515 mm and 600 mm × 600 mm Panels, with negligible droop due to gravity, as it rests on the Panel supports.</p> <p>5.2.14 <i>process carrier</i> — a device or material, usually Si, ceramic, glass, or metal, that provides temporary mechanical support to hold one or more panels during processing. [SEMI 3D20]</p> <p>5.2.15 <i>Panel</i>— the rectangular base material to implement panel level packaging processes. [SEMI 3D20]</p> <p>5.2.16 <i>Panel substrate</i>— the rectangular starting material (often epoxy or glass) that can be used to implement panel level packaging processes.</p> <p>Justification (If necessary)</p>
2		<p>FROM: Section/Paragraph xxx</p> <p>TO: Section/Paragraph xxx</p> <p>Justification (If necessary)</p>
Motion	To approve above editorial change(s)	
Motion by/2nd by	Komatsu (Company) / Fukunaga (Company)	

Discussion	None
Vote	7 Y-0 N; Motion passed.

This table is needed for each Comment accompanied a Vote

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	=	40	/	40	=	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	X	This is not a Safety Document , when all safety-related information is removed, the Document is still technically sound and complete. (<i>Regulations ¶ 8.7.1</i>)
		This is a Safety Document , 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>)
Motion by/2 nd by		Shoji Komatsu (Acteon) / Tsukasa Fukunaga (Shin-Etsu Polymer)
Discussion		None
Vote		7 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 ¶ 16.3.1.1</i>) to the Standard or Safety Guideline; or, any copyrighted items or trademarks that are used/reproduced (see <i>Regulations ¶ 16.4.1.2</i>) in the Standard or Safety Guideline. (Also see, <i>Regulations § 8.8</i>)			
X	The question is NOT answered in affirmative (No potentially material patented technology or use/reproduction of copyrighted items/trademarks is known.)	GO TO SECTION X.		
	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	GO TO IX (a) "Patented Technology" subsection
			No	GO TO IX (b) "Copyright items" subsection

IX(a) Patented Technologies subsection

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

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

IX(a2) Assessment of disclosed patented technologies

Disclosed patented technology #1 (Brief description, e.g., patent title and number):		Date of Assessment (If different from the date of Letter Ballot adjudication) 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	PROCEED to assess NEXT one, or if this is the last one, GO TO IX(a3)
			NO	The Document is failed and returned to the TF
	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 nd 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)
		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)		
	MOTION	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 nd 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
		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.
		NO	GO TO X

X. Action for This Document

Motion	<input type="checkbox"/>	This Document passed TC Chapter review as balloted and will be forwarded to the ISC A&R SC for procedural review.
	<input type="checkbox"/>	This Document passed TC Chapter review with editorial changes and will be forwarded to the ISC A&R SC for procedural review.
	<input checked="" type="checkbox"/>	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.
	<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	Shoji Komatsu (Acteon) / Tsukasa Fukunaga (Shin-Etsu Polymer)	
Discussion	none	
Vote	7 Y-0 N	
Final Action	<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.