

Record of Letter Ballot Review by TC Chapter for Procedural Review

Region/Locale: [Taizhou, Jiangsu, China](#)
 Global Technical Committee: [Photovoltaic](#)
 TC Chapter Cochairs: [Zhang Guangchun /CSI](#), [Liu Jun/CESI](#)
 Standards Staff: [Sophia Huang](#)

	Scheduled in Background Statement	Actual
Date	10/13/2017	10/13/2017
Location	Huang He Grand Hotel, No.666 Middle Renmin Road, Jiangyan, Taizhou, Jiangsu, China	Huang He Grand Hotel, No.666 Middle Renmin Road, Jiangyan, Taizhou, Jiangsu, China
Reason for Change of Date and/or Location (if changed)	None	

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

I. Document Number and Title

Document Number	Document Title
5925A	Specification for Dual Glass Module with Crystalline Silicon Terrestrial Solar Cell

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* ¶ 9.7.1.1)

Voting Tally (with example values):

Voting Interest:	Returned Votes	Distribution	Return Rate	
Letter Ballot	98	÷ 163	= 60.1%	≥60%
Intercommittee Ballot	21			
Voting Interest Reject(s)	2	Total Voters with Rejects		2
Voting Interest Accept(s)	58			

Note: See *Regulations* § 3.2.1 for definition of Voting Interest.

III. Rejects

Voting Interest Reject 1 (Voting Interest Name: George Kelly)

Voter Reject 1 (Voter: George Kelly and BPS)

Negative 1

Negative	Referenced Section/ Paragraph	*TF/TC Chapter to fill in, including text in the ballot if necessary.				
		Background Statement				
Negative	Negative Text	*Original complete Negative text (e.g., issue, justification, suggestion) should be copied.				
		There is a potential conflict between this standard and IEC 61215. Disagree with the background statements that 'traditional modules with polymer back sheets exhibit rather poor qualities of low weather resistance'.				
TF input (optional)		None				
Withdrawal (check one)	<input type="checkbox"/>	No Negative withdrawal made by Voter.		GO TO "Related" subsection		
	<input checked="" type="checkbox"/>	Withdrawal document received by Standards staff on 08/07/2017.		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 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.				
		<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 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/ 2 nd by	Name (Company)/Name (Company)				
	Discussion					
	Result of Vote (check one)	XX Y-XX N; Motion passed/failed.				
		<input type="checkbox"/>	[Negative is related and persuasive.] > 1/3	Is a technical change recommended? (check one)	<input type="checkbox"/>	Y
<input type="checkbox"/>		[Negative is related and not persuasive.] < 2/3		<input type="checkbox"/>	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 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(s).		
	Motion by/2 nd by	Name (Company)/Name (Company)		
	Discussion			
	Result of Vote (check one)	XX Y-XX N; Motion passed/failed.		
			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		Name (Company)/Name (Company)		
Discussion				
Result of Vote (check one)		XX Y-XX N; Motion passed/failed.		
		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 ¶ 9.6.4.4.2)			
	Use of “Not significant finding option” (check one)		It is mutually agreed upon to term the Negative “not significant”.	GO TO “Final” subsection → (D)
			It is mutually agreed upon to term the Negative “significant”.	GO TO “Final” subsection → (C)
			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 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
	<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 1

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	<input checked="" type="checkbox"/>	$g - (h + i + j + k) = 0$	Reject is Not Valid and is not included in the denominator of § VI. Approval Conditions Check
	<input type="checkbox"/>	$g - (h + i + j + k) > 0$	Reject is included in the denominator of § VI. Approval Conditions Check
	<input type="checkbox"/>	Reject without a Negative	Not Valid

Voting Interest Reject 2- Voter Reject 2 (Voter: Bengt Jäckel and Underwriters Laboratories Inc.)

Negative 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. It is not clear where the difference to existing IEC standards is. It is more a combination of several IEC documents.
TF input (optional)		None

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	1.Dual glass module has its unique characteristics in terms of appearance and reliability. And it begins a large range of application from 2013. So it is really necessary to set an individual standard specially for dual glass modules. 2.IEC 61215 and 61730 are based on traditional modules, so the set of SEMI 5925A standard will be convenience for people to use. 3.Furthermore, IEC 61215 standards are revised and published in 2016, while the SEMI 5925A has been put forward in 2014. We have try our best to change SEMI 5925A according to IEC 61215 :2016.			
	Motion by/ 2nd by	Jianmei Xu (Trina Solar)/ Jingbing Zhu (Sunman)				
	Discussion	None				
	Result of Vote (check one)	33 Y-0 N; Motion passed				
<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)	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/ 2nd by	Name (Company)/Name (Company)				
	Discussion					
	Result of Vote (check one)	XX Y-XX N; Motion passed/failed.				
<input type="checkbox"/>		[Negative is related and persuasive.] > 1/3	Is a technical change recommended? (check one)	<input type="checkbox"/>	Y	GO TO “Address by Technical Change Option” subsection
<input type="checkbox"/>		[Negative is related and not persuasive.] < 2/3		<input type="checkbox"/>	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 Address by Technical	Technical Change Recommendations					
	Original section/paragraph number and at least one full sentence are required in “FROM” and “TO” fields.					
	1	FROM: Section/Paragraph XXX				
	TO: Section/Paragraph xxx					

2	Justification (If necessary)			
	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		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/2 nd 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 ¶ 9.6.4.4.2)			
	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 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)	

		(E)	Related and persuasive and not addressed by technical change	DOCUMENT FAILS
		(F)	Addressed by technical change (counted under k disposition)	
(check if applicable)		Comment generated. See Section V-(ii) Comment # X.		

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)

Disposition of Voting Interest Reject 2

Check only when the Document has not been failed.

1	Original number (#) of Negatives	(g)	
0	Number of Negatives withdrawn	(h)	
1	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. Approval Conditions Check
		$g - (h + i + j + k) > 0$	Reject is included in the denominator of § VI. Approval Conditions Check
		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

No other technical issues

V. Comments

V- (i) Voters' Comments

Commenter 1 (Rafael Vargas-Bernal/ Instituto Tecnológico Superior de Irapuato) - Comment 1

Comment	*TF/TC Chapter to fill in section/paragraph #, if necessary.
	There are typing errors, spaces must be ' ' added in several places.

		The TC Chapter agreed to do one of the following actions.	
		*No motion is required in this step.	
Action	<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"/>
		<input type="checkbox"/>	Case 2: Voted in this section: <i>Original section number and at least one full sentence are required in "FROM" and "TO" fields.</i>
Editorial Changes	1	FROM: Section/Paragraph 6.2.3 Test method for the degree of bowing in a module: after storing more than 4 h at room temperature, the module shall be placed in a vertical position and supported on its longer side by two load bearing blocks at quarter points. Put a ruler or metal wire close to the two sides or diagonal of the module, and then measure the gap between the straight line and the module by feeler gage.	
		TO: Section/Paragraph 6.2.3 Test method for the degree of bowing in a module: after storing more than 4 h at room temperature, the module shall be placed in a vertical position and supported on its longer side by two load bearing blocks at quarter points. Put a ruler or metal wire close to the two sides or diagonal of the module, and then measure the gap between the straight line and the module by feeler gage.	
		Justification (If necessary)	
	2	FROM: Section/Paragraph IEC 60664-1:2007 Insulation coordination for equipment within low-voltage systems-Part 1: Principles, requirements and tests	
		TO: Section/Paragraph IEC 60664-1:2007 Insulation coordination for equipment within low-voltage systems - Part 1: Principles, requirements and tests	
		Justification (If necessary)	
Motion		To approve above editorial change(s)	
Motion by/2nd by		Jianmei Xu (Trina Solar)/ Jingbing Zhu (Sunman)	
Discussion		None	
Vote		33 Y-0 N; Motion passed	

V-(ii) Comments Created by Handling Negative

No Comments Created by Handling Negative

VI. Editorial Changes Other than Those Voted on in § V

Original section/paragraph number and at least one full sentence are required in “FROM” and “TO” fields.

No Editorial Changes Other than Those Voted on in § V

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	=	58	/	58	=	100.0%		≥90%	

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

Note: See *Regulations § 9.7.2* 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"/>	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>)
	<input type="checkbox"/>	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>)
	<input type="checkbox"/>	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/2nd by		Jianmei Xu (Trina Solar)/ Jingbing Zhu (Sunman)
Discussion		None

Vote	33 Y-0 N; Motion passed
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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 Regulations § 16 for further information.

		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 is known.	GO TO SECTION X.	
	Potentially material patented technology or reproduction of copyrighted items is 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 is 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	<input type="checkbox"/>	Ask ISC for special permission to publish.	
	<input type="checkbox"/>	Quit activity.	
	<input type="checkbox"/>	Wait for LOA for patented technology or release of copyrighted items.	
Motion by/2nd by		Name (Company)/Name (Company)	
Discussion		XXXX	
Vote		XX Y-XX N	
Final Action	<input type="checkbox"/>	Motion passed	
	<input type="checkbox"/>	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 type="checkbox"/>	This Document passed TC Chapter review as balloted and will be forwarded to the ISC A&R SC for procedural review.	
	X	This Document passed TC Chapter review with editorial changes and will be forwarded to the ISC 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 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		Jianmei Xu (Trina Solar)/ Jingbing Zhu (Sunman)	
Discussion		None	
Vote		33 Y-0 N	

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 acceptance of the Ratification Ballot
	<input type="checkbox"/>	Not approved
	Reason:	