Record of Letter Ballot Review by TC Chapter for Procedural Review

Region/Locale: China

Global Technical Committee: Photovoltaic Materials

TC Chapter Cochairs: Guangchun Zhang/Canadian Solar

Standards Staff: Isadora Jin/SEMI China

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| --- | --- | --- |
|  | Scheduled in Background Statement | Actual |
| Date  | 5/22/2020 | 6/30/2020 |
| Location | Shanghai | Shanghai |
| Reason for Change of Date and/or Location(if changed) | Due to COVID-19 Virus |

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

I. Document Number and Title

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| --- | --- |
| **Document Number 6607** | **Document Title****Reapproval of SEMI PV50-1114, Specification for Impurities in Polyethylene Packaging Materials for Polysilicon Feedstock** |

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):**

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

III. Rejects

Voting Interest Reject 1 (Voting Interest Name: Othman&Partners, LLP)

Voter Reject 1 (Voter: Maslina Othman and Othman&Partners, LLP)

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.** |
| 'This Specification is intended for the quality and the testing method of polyethylene (PE) bags. The quality of PE bags is critical as poor quality PE bags may contaminate polysilicon and cause contamination during transportation. Forming an industry-consensus standard will minimize contamination, control the associated costs and improve communication between supplier.' However, this documents does not provide the details about how quality is checked, what are testing method required, and what are the limitation of the test method. |
| **TF input (optional)** |  |
| **Withdrawal (check one)** | X | No Negative withdrawal made by Voter. | **GO TO “Related” subsection** |
|  | Withdrawal document received by Standards staff on MM/DD/YYYY. | **GO TO “Final” subsection 🡪 (A)** |
| **Related** | **Motion and Reason****(check one)** | X | ‘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/****2nd 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.)** |
| X | Negative is related and not persuasive. **(Needs ≥2/3 votes to pass.)** |
|  | Reason | This document is 5 year review of SEMI Standards PV50-1114. According to SEMI Standards Procedure Manual, a reapproval Letter Ballot should include the Purpose, Scope, Limitations, and Terminology sections, along with the full text of any paragraph in which editorial updates are being made. Since Committee decide to issue a reapproval ballot and there is no editorial updates. Only Purpose, Scope, Limitations, and Terminology sections are shown in the reapproval document. The Voter didn’t request for access to the full Standard or Safety Guideline at least three business days before the voting deadline. |
| **Motion by/****2nd by** | Wenfeng Lu (Safest)/Wei Zhou (TrinaSolar) |
| **Discussion** | None |
| **Result of Vote (check one)** | 34 **Y**-1 **N**; Motion passed. |
|  | [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)** |
| X | 90% ≤ [Negative is related and not persuasive.] | **GO TO “Not Significant Finding Option” subsection** |
| **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)** | X | 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/****2nd by** | Name (Company)/Name (Company) |
|  | **Vote** |  | XX **Y**-XX **N**; Motion passed with simple majority | **GO TO “Final” subsection 🡪 (D)** |
|  | XX **Y**-XX **N**; Motion failed with simple majority | **GO TO “Final” subsection 🡪 (C)** |
| **Final** | **(check if applicable)** |  | **(A)** | Withdrawn **(counted under h in disposition)** |
|  | **(B)** | Not related **(counted under i in disposition)** |
|  | **(C)** | Related and not persuasive (significant) |
| X | **(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.* |

Disposition of Voting Interest Reject 1

**Check only when the Document has not been failed.**

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| --- | --- | --- |
| 1 | Original number (#) of Negatives  | **(g)** |
| # | Number of Negatives withdrawn  | **(h)** |
| # | Number of Negatives found not related  | **(i)** |
| 1 | Number of Negatives found not significant | **(j)** |
| # | 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** |

*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)**

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.

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

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

|  |  |
| --- | --- |
| X | 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.

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| --- | --- | --- |
| **Motion** | **X** | **This is not a Safety Document**, when all safety-related information is removed, the Document is still technically sound and complete.(*Regulations* ¶ 8.7.1) |
|  | **This is a Safety Document**, when all safety-related information is removed, the Document is not technically sound and complete.(*Regulations* ¶ 8.7.2) |
|  |   | Safety Checklist (*Regulations* ¶ 15.3) is complete and has been included with the Document throughout the balloting process. (*Regulations* ¶ 15.1.2) |
| **Motion by/2nd by** | Wenfeng Lu (Safest)/Wei Zhou (TrinaSolar) |
| **Discussion** | None |
| **Vote** | 35 **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.

|  |  |
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| X | The TC Chapter meeting chair asked those participating, if they were aware of any patented technology that might be relevant (see *Regulations* ¶ 16.3.1.1) to the Standard or Safety Guideline; or, any copyrighted items or trademarks that are used/reproduced (see *Regulations* ¶ 16.4.1.2) in the Standard or Safety Guideline. (Also see, *Regulations* § 8.8) |
|  | 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** |

X. Action for This Document

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| --- | --- | --- |
| **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/****2nd by** | Wenfeng Lu (Safest)/Wei Zhou (TrinaSolar) |
| **Discussion** | None |
| **Vote** | 35 **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.