Record of Letter Ballot Review by TC Chapter for Procedural Review

Region/Locale: Japan Global Technical Committee: PI&C TC Chapter Cochairs: Tsuyoshi Nagashima / Miraial, 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 govern home, SEMI Japan has decided not to h the SEMI Japan office until the end of A postpone and reschedule PI&C Japan | nost any face-to-face meetings at April. SEMI Japan also decided to |

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

I. Document Number and Title

| Document Number | Document Title |
|------------------------|---|
| 6622 | New Subordinate Standard – SPECIFICATION FOR |
| | PANEL FOUP FOR 600 to 600 mm PANEL SIZE and 6 |
| | SLOTS |

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 Interest: **Returned Votes** Distribution **Return Rate** 65.0% **Letter Ballot** 52 ÷ 80 ≥60% = Intercommittee Ballot 36 Voting Interest Reject(s) 3 **Total Voters with Rejects** 3 39 Voting Interest Accept(s)

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

| neg | ative 1 | | | | | | | | |
|------------|----------------------------------|--|---|--|--|--|--|--|--|
| | Referenced Section/ | *TF/TC Chapter to fill in | n, including text in the ballot if nec | essary. | | | | | |
| | Paragraph | Procedural issue | | | | | | | |
| Negative | | *Original complete Negative text (e.g., issue, justification, suggestion) should be copied. | | | | | | | |
| ative | Negative Text | "be conducted is not app traveling) in disadvantag people who intend to pa "Delay of scheduled star | of the TC Chapter Meeting in which propriate. This could put people from je for participating the Review). Esse rticipate the Review to make it should t time or early ending in actual meeting on members' rights on participation. | distant location (e.g., 4hours of ntial information for all the d be given." ing wouldn't be a problem, as" | | | | | |
| TFi | input <mark>(optional)</mark> | | | | | | | | |
| | Withdrawal | | awal made by Voter. | GO TO "Related" subsection | | | | | |
| | (check one) | X Withdrawal docume 09/04/2020. | ent received by Standards staff on | GO TO "Final" subsection \rightarrow (A) | | | | | |
| | Motion and | 'Related' is mutually | / agreed upon. (Needs no motion.) | GO TO "Persuasive" subsection | | | | | |
| | Reason | Negative is not rela | ted. (Needs ≥2/3 votes to pass.) | | | | | | |
| | (check one) | Reason | XXXX | | | | | | |
| Reli | Motion by/ 2 nd by | Name (Company)/Name (Company) | | | | | | | |
| Related | Discussion | | | | | | | | |
| | | XX Y-XX N; Motion pas | sed/failed. | | | | | | |
| | Result of Vote (check one) | [Negative is not rela | ated.] < 2/3 | GO TO "Persuasive" subsection | | | | | |
| | | 2/3 ≤ [Negative is n | ot related.] | GO TO "Final" subsection \rightarrow (B) | | | | | |
| | Motion and | Negative is related | and persuasive. <mark>(Needs >1/3 votes</mark>) | to pass.) | | | | | |
| Pe | Reason (check one) | Negative is related | and not persuasive. <mark>(Needs ≥2/3 vo</mark> t | tes to pass.) | | | | | |
| Persuasive | · | Reason | xxxx | | | | | | |
| ve | Motion by/ 2 nd by | Name (Company)/Name | e (Company) | | | | | | |
| | Discussion | | | | | | | | |
| | | XX Y-XX N; Motion passed/failed. | | | | | | | |

| | (ch Tech Origi | nica nal | | [Ne personand 2/3 and 90% and ge Recor | ls a technical change recommended?YGO TO "Address by Technical Change Option" subsectiongative is related and not suasive.] < 2/3 | | | | | | | |
|-----------------------------|---------------------------------------|-----------------|---|--|--|--|--|--------|--|--|--|--|
| | fields | | FROM: | Section/ | Paragraph XXX | | | | | | | |
| | | | | ction/Pa | | | | | | | | |
| | - | 1 | | | • | - | | | | | | |
| | echn | | Justific | ation (If | nece | essary) | | | | | | |
| | Technical Changes | | FROM: | ROM: Section/Paragraph XXX | | | | | | | | |
| Address by Technical Change | anges | 2 | TO: Se | ction/Pa | ion/Paragraph xxx | | | | | | | |
| s by Te | | | Justific | tification (If necessary) | | | | | | | | |
| chni | Motic | on | | | Negative is addressed by the technical change(s). | | | | | | | |
| ical (| Motic | on b | oy/2 nd by | / | Name (Company)/Name (Company) | | | | | | | |
| Chan | Discu | ussi | ion | | | | | | | | | |
| ıge | | | | | XX ' | Y-XX N; Motion pass | ed/failed. | | | | | |
| Opti | | | | | | | | | | | | |
| ion | | | sult of V <mark>heck on</mark> | | | 2/3 ≤ [Negative is a change(s).] | - | | subsection | | | |
| on | | | | | | | - | | Technical Change" | | | |
| on | | (c | | | To i | change(s).] [Negative is not add | ressed by the tech | | Technical Change" subsection GO TO "Final" subsection | | | |
| | | (c Mo | heck on | e) | | change(s).] [Negative is not add change(s).] < 2/3 | ressed by the tech nical change(s). | | Technical Change" subsection GO TO "Final" subsection | | | |
| | | (c Mo Mo | heck on | e) 2 nd by | | change(s).] [Negative is not add change(s).] < 2/3 ncorporate the tech | ressed by the tech nical change(s). | | Technical Change" subsection GO TO "Final" subsection | | | |
| | | (c Mo Mo | heck on tion tion by/ | e) 2 nd by | Nam | change(s).] [Negative is not add change(s).] < 2/3 ncorporate the tech | ressed by the tech nical change(s). (Company) | | Technical Change" subsection GO TO "Final" subsection | | | |
| | | (c Mo Dis | heck on tion tion by/ scussior Result o | e) 2 nd by 1 f Vote | Nam | change(s).] [Negative is not add change(s).] < 2/3 ncorporate the tech ne (Company)/Name | ressed by the tech nical change(s). (Company) ed/failed. | | Technical Change" subsection GO TO "Final" subsection → (E) GO TO "Final" subsection → (F) | | | |
| | | (c Mo Dis | heck on tion tion by/2 scussior | e) 2 nd by 1 f Vote | Nam | change(s).] [Negative is not add change(s).] < 2/3 ncorporate the tech ne (Company)/Name Y-XX N; Motion pass | ressed by the tech nical change(s). (Company) ed/failed. orporate.] | | Technical Change" subsection GO TO "Final" subsection → (E) GO TO "Final" subsection | | | |
| | Incorporation of the Technical Change | (c Mo Dis | heck on tion scussior Result o (check | e) 2 nd by n f Vote one) be used | Nam XX V | change(s).] [Negative is not add change(s).] < 2/3 ncorporate the tech ne (Company)/Name Y-XX N; Motion pass 90% ≤ [Agree to incorpo | ressed by the tech nical change(s). (Company) ed/failed. orporate.] prate.]>10% finds a Negative r | nnical | Technical Change" subsection GO TO "Final" subsection → (E) GO TO "Final" subsection → (F) GO TO "Final" subsection → (F) GO TO "Final" subsection → (E) ersuasive by a vote equal to or | | | |

| | Use of "Not significant finding option" (check one) | | "significant". | greed upon to term the Negative t the Negative is "not significant" is dec | GO TO "Final" subsection \rightarrow (C) ided by a vote. | | | | |
|-------|--|------------------------------------|-------------------------------|---|--|--|--|--|--|
| | Motion | The Negative is "not significant". | | | | | | | |
| | Motion by/ 2 nd by | Nan | Name (Company)/Name (Company) | | | | | | |
| | Voto | | XX Y-XX N; M | otion passed with simple majority | GO TO "Final" subsection \rightarrow (D) | | | | |
| | Vote | | XX Y-XX N; M | otion failed with simple majority | GO TO "Final" subsection \rightarrow (C) | | | | |
| | | Х | (A) | Withdrawn (counted under h in d | isposition) | | | | |
| | | | (B) | Not related (counted under i in di | sposition) | | | | |
| | (check if | | (C) | Related and not persuasive (signifi | icant) | | | | |
| Final | applicable) | | (D) | Not significant (counted under j ir | n disposition) | | | | |
| Ial | | | (E) | Related and persuasive and not addressed by technical change | DOCUMENT FAILS | | | | |
| | | | (F) | Addressed by technical change (co | ounted under k disposition) | | | | |
| | (check if applicable) | | Comment gen | erated. See Section V-(ii) Comment # | ¢Χ. | | | | |

Negative 2

| | | 1 | | | | | |
|----------|----------------------------------|---|--|-------------------------------------|--|--|--|
| | Referenced Section/ | | • | ncluding text in the ballot if nec | essary. | | |
| | Paragraph | 1 and 2 | | | | | |
| Negative | | <mark>cop</mark> Neg It is | ative/ | te text (e.g., issue, justification | | | |
| tive | Negative Text | Justification PM requires the purpose and scope section of a Subordinate Standard to define its distinction from the Primary Standard. PM 3.8.3.2 A Subordinate Standard requires its own purpose and scope sections to define its distinction from the Primary Standard and to specify the technical area that the Standard covers and may or may not contain all of the required sections to conform to the required sections found in § 3.2. | | | | | |
| TF | input <mark>(optional)</mark> | | | | | | |
| | Withdrawal | х | X No Negative withdrawal made by Voter. | | GO TO "Related" subsection | | |
| | (check one) | | Withdrawal document r MM/DD/YYYY. | eceived by Standards staff on | GO TO "Final" subsection \rightarrow (A) | | |
| | Motion and | х | X 'Related' is mutually agreed upon. (Needs no m | | GO TO "Persuasive" subsection | | |
| R | Reason | | Negative is not related. | (Needs ≥2/3 votes to pass.) | | | |
| Related | (check one) | | Reason | xxxx | | | |
| | Motion by/ 2 nd by | Nam | ne (Company)/Name (Co | ompany) | | | |

| | Di | scu | ssion | | | | | | | |
|------------------------------------|-------------------------------|----------|-------------------|--|--|---------------------------------------|------------------------------------|-----------------|---|--|
| | | | | XX . | Y-XX N; Motion passed | /failed | | | | |
| | | | of Vote k one) | | [Negative is not related.] < 2/3 | | | | | GO TO "Persuasive" subsection |
| | | | | | 2/3 ≤ [Negative is not r | $2/3 \leq [Negative is not related.]$ | | | | GO TO "Final" subsection → (B) |
| | M | otio | n and | х | Negative is related and | pers | uasive. <mark>(Needs >1/</mark> | '3 vo | tes f | o pass.) |
| | | Rea | son son | | Negative is related and not persuasive. (Needs ≥2/3 votes to pass.) | | | | | |
| | | | | | Reason XXXX | | | | | |
| P | М | | on by/ by | Sho | ji Komatsu (Acteon) / Ts | sukasa | a Fukunaga (Shin-I | Etsu | Poly | mer) |
| ersi | Di | scu | ssion | non | 9 | | | | | |
| Persuasive | | | | <mark>6</mark> Y- | 0 N ; Motion passed | | | | | |
| ive | Ros | ^ persua | | [Negative is related and persuasive.] > 1/3 | | | Х | Y | GO TO "Address by Technical Change Option" subsection | |
| | Result of Vote (check one) | | | | [Negative is related and not persuasive.] < 2/3 | | (check one) | | N | GO TO "Final" subsection → (E) |
| | | | | | 2/3 ≤ [Negative is related and not persuasive.] < 90% | | GO TO "Final" s | ubse | ectio | n → (C) |
| | | | | | GO TO "Not Significant Finding Option" subsection | | | | | |
| | | inal | | | ecommendations Igraph number and at | least | one full sentence | are | requ | ired in "FROM" and "TO" |
| | | | FROM: | Sect | ion/Paragraph 1.1 | | | | | |
| Addre | | | | | se of this Document is to ort and store Panels. | establi | sh basic physical dir | nensi | ions f | for the Panel FOUP intended to be |
| SS6 | | 1 | TO: So | -41-0-11 | /Paragraph 1.1 | | | | | |
| oy T | | ľ | | | | uita of | standards purposa of | thic | Dog | mont is to astablish basic physical |
| echi | Tech | | | This specification is part of a suite of standards purpose of this Document is to establish basic physical ons for the Panel FOUP intended to be used to transport and store Panels. | | | | | | |
| nical | Technical | | Justific | atio | n (If necessary) | | | | | |
| Cha | Cha | | FROM: | Sect | ion/Paragraph 2.1 | | | | | |
| Address by Technical Change Option | Changes | | | | ocument specifies the Panel FOUPs by the relevant SEMI Standard (SEMI Draft Document 6618) for 600 mm panel and 6 slots. | | | | | |
| tion | | 2 | TO: Se | ctior | /Paragraph 2.1 | | | | | |
| | | | <u>mm x 60</u> | 0 mr | n panel. Common dimens | ions a | re defined in the Print | mary | Stan | ion of 6-slots Panel FOUP for 600 dard This Document specifies the for 600 mm × 600 mm panel and 6 |
| | | | slots. | ors | oy the relevant SEIVII Stal | i carti (| Dent Dian Doculle | nt U | ,10) | tor 600 mm × 600 mm paner alle 6 |

| | | Justific | ation (If | nec | essary) | | | | |
|-----------------|--|---------------------------------|--|--|---|---|--|--|--|
| | Motic | n | | Neg | ative is ad | ddressed by the technical change(s). | | | |
| | Motic | on by/2 nd by | 1 | Sho | Shoji Komatsu (Acteon) / Tsukasa Fukunaga (Shin-Etsu Polymer) | | | | |
| | | ission | | none | | | | | |
| | | | | 6 Y-0 N; Motion passed | | | | | |
| | Result of Vote (check one) Motion | | | $\begin{array}{c} X \\ 2/3 \leq [\text{Negative is addressed by the technica} \\ \text{change(s).}] \end{array}$ | | | GO TO "Incorporation of the Technical Change" subsection | | |
| | | | | | [Negative change(s | e is not addressed by the technical ().] < 2/3 | GO TO "Final" subsection \rightarrow (E) | | |
| | | | | To incorporate the technical change(s). | | | | | |
| | ec of Motion by/2 nd by | | Shc | ji Komats | u (Acteon) / Tsukasa Fukunaga (Sh | in-Etsu Polymer) | | | |
| | por | Discussion | ו | non | е | | | | |
| | Incorporation of the Technical Change | | | <mark>6Y-(</mark> | 0 N; Motio | n passed | - | | |
| | | | It of Vote | | 90% ≤ [A | gree to incorporate.] | GO TO "Final" subsection \rightarrow (F) | | |
| | | (check one) | | | [Disagree | e to incorporate.]>10% | GO TO "Final" subsection \rightarrow (E) | | |
| | | | 6 of the p | mut | ually agree | C Chapter finds a Negative not pers g on the action". (<i>Regulations</i> ¶ 9.6, ed upon to term the Negative "not | GO TO "Final" subsection | | |
| Not Significant | significant It is | | | ignificant". \rightarrow (D)is mutually agreed upon to term the Negative significant".GO TO "Final" subsection \rightarrow (C) | | | | | |
| Finding | (0 | , | Whether or not the Negative is "not significant" is decided by a vote. | | | | | | |
| din | Γ | Notion | The Neg | gative is "not significant". | | | | | |
| ŋ | | otion by/ 2 nd by | Name (C | Comp | oany)/Nam | ne (Company) | | | |
| | | Voto | XX | Y-X> | KN; Motio | n passed with simple majority | GO TO "Final" subsection \rightarrow (D) | | |
| | | Vote | XX | Y-X> | K N ; Motio | n failed with simple majority | GO TO "Final" subsection \rightarrow (C) | | |
| | | | | (| A) | Withdrawn <mark>(counted under h in disp</mark> | osition) | | |
| | | | | (| В) | Not related (counted under i in disp | osition) | | |
| | (0 | heck if | | (| C) | Related and not persuasive (signification | nt) | | |
| Final | ар | plicable) | | (| D) | Not significant <mark>(counted under j in d</mark> | isposition) | | |
| a | | | | (| E) | Related and persuasive and not addressed by technical change | DOCUMENT FAILS | | |
| | | | Х | (| F) | Addressed by technical change (cour | nted under k disposition) | | |
| | | check if plicable) | Cor | nme | nt generat | ted. See Section V-(ii) Comment # X. | | | |

| | Referenced | *TF/ | TC Chapter to fill in, includir | ng text in the ballo | ot if neo | cessary. | | | | | | |
|------------|---|--|--|---|---|--|--|--|--|--|--|--|
| | Section/ Paragraph | 2.1 | | | | | | | | | | |
| _ | Paragraph | *Original complete Negative text (e.g., issue, justification, suggestion) should be | | | | | | | | | | |
| Negative | | copied. | | | | | | | | | | |
| ativ | | Negative/ | | | | | | | | | | |
| Ø | Negative Text | Unp | Unpublished Document shall not be referred | | | | | | | | | |
| | | Suggestion Referring to "the Drimony Standard" chould be OK as this Decument is under development | | | | | | | | | | |
| | | | Referring to "the Primary Standard" should be OK as this Document is under development as a Subordinate Standard to a specific Primary Standard. | | | | | | | | | |
| TF | input <mark>(optional)</mark> | | | | | | | | | | | |
| | | х | No Negative withdrawal made | e by Voter | | GO TO "Related" | | | | | | |
| | Withdrawal (check one) | ~ | Withdrawal document receive | - | aff on | subsection GO TO "Final" subsection | | | | | | |
| | (, | | MM/DD/YYYY. | → (A) | | | | | | | | |
| | | х | 'Related' is mutually agreed u | pon. <mark>(Needs no m</mark> | otion.) | GO TO "Persuasive" subsection | | | | | | |
| | Motion and Reason | | Negative is not related. (Need | ds ≥2/3 votes to pa | ass.) | | | | | | | |
| | (check one) | | Reason XXXX | | | | | | | | | |
| | Motion by/ | | | | | | | | | | | |
| Re | Motion by/ 2 nd by | Name (Company)/Name (Company) | | | | | | | | | | |
| Related | Discussion | | | | | | | | | | | |
| 0 | | | | | | | | | | | | |
| | | XX | Y-XX N; Motion passed/failed. | GO TO "Persuasive" | | | | | | | | |
| | Result of Vote | | [Negative is not related.] < 2/3 | subsection | | | | | | | | |
| | (check one) | | 2/3 ≤ [Negative is not related.] |] | | GO TO "Final" subsection | | | | | | |
| | | | | | | → (B) | | | | | | |
| | | <u> </u> | | | | | | | | | | |
| | | x | Negative is related and persu | asive. <mark>(Needs >1/3</mark> | 8 votes | to pass.) | | | | | | |
| | Motion and | х | | | | • • | | | | | | |
| | Motion and Reason (check one) | x | Negative is related and persur Negative is related and not pe | | | • • | | | | | | |
| | Reason | X | | ersuasive. (Needs à | | • • | | | | | | |
| | Reason (check one) Motion by/ | | Negative is related and not pe Reason XXXX | ersuasive. (Needs à | ≥2/3 vo | tes to pass.) | | | | | | |
| Persu | Reason (check one) Motion by/ 2 nd by | Shoj | Negative is related and not pe Reason XXXX ji Komatsu (Acteon) / Tsukasa | ersuasive. (Needs à | ≥2/3 vo | tes to pass.) | | | | | | |
| Persuasi | Reason (check one) Motion by/ | Shoj | Negative is related and not pe Reason XXXX ji Komatsu (Acteon) / Tsukasa | ersuasive. (Needs à | ≥2/3 vo | tes to pass.) | | | | | | |
| Persuasive | Reason (check one) Motion by/ 2 nd by | Shoj | Negative is related and not pe Reason XXXX ji Komatsu (Acteon) / Tsukasa | ersuasive. (Needs à | ≥2/3 vo | tes to pass.) | | | | | | |
| Persuasive | Reason (check one) Motion by/ 2 nd by | Shoj none 6 Y- | Negative is related and not per Reason XXXX ji Komatsu (Acteon) / Tsukasa e 0 N; Motion passed [Negative is related and | ersuasive. (Needs à | ≥2/3 vo | tes to pass.) /mer) GO TO "Address by | | | | | | |
| Persuasive | Reason (check one) Motion by/ 2 nd by Discussion Result of Vote | Shoj | Negative is related and not performed and not performed and not performed and not persuasive.] > 1/3 | ersuasive. (Needs Fukunaga (Shin-E Is a technical change | ≥ 2/3 vo tsu Pol | tes to pass.) /mer) | | | | | | |
| Persuasive | Reason (check one) Motion by/ 2 nd by Discussion | Shoj none 6 Y- | Negative is related and not performed and not performed and not performed and not persuasive.] > 1/3 | ersuasive. (Needs Fukunaga (Shin-E | ≥ 2/3 vo tsu Pol | tes to pass.) /mer) GO TO "Address by Technical Change Option" | | | | | | |
| Persuasive | Reason (check one) Motion by/ 2 nd by Discussion Result of Vote | Shoj none 6 Y- | Negative is related and not performed and not performed and not performed and persuasive.] > 1/3 | Fukunaga (Shin-E | ≥ <mark>2/3 vo</mark> itsu Poly X Y | tes to pass.) /mer) GO TO "Address by Technical Change Option subsection | | | | | | |

| 1 | 1 | | | | / ~ [] | le setive is related | | | | | |
|-----------------------------------|--|----------------|------------------------------|--|---|--|--|--|--|--|--|
| | | | | | | Vegative is related persuasive.] GO TO "Not Significant I | Finding Option" subsection | | | | |
| | | | | je Recon | nme | ndations | | | | | |
| | Origi fields | | section/ | paragra | ph n | umber and at least one full sentence are requ | uired in "FROM" and "TO" | | | | |
| | neius | | ROM: | Section/ | Para | graph 2.1 | | | | | |
| | | | | | | ifies the Panel FOUPs by the relevant SEMI Standard | 1 (SEMI Draft Document 6618) for | | | | |
| | | | | | | el and 6 slots. | (| | | | |
| | | | TO: Section/Paragraph 2.1 | | | | | | | | |
| | | | | | | | o the combination of 6 slots | | | | |
| | Fe | | 2.1 <u>111</u> Panel F | s document specifies the dimensions that are specific to the combination of 6-slots OUP for 600 mm x 600 mm panel. Common dimensions are defined in the Primary | | | | | | | |
| | chn | | | tandard. This Document specifies the Panel FOUPs by the relevant SEMI Standard (SEMI) | | | | | | | |
| | Technical Changes | Ŧ |)raft D | ocumen | t 661 | 8) for 600 mm × 600 mm panel and 6 slots. | | | | | |
| | | | Justification (If necessary) | | | | | | | | |
| Add | ang | H | ROM | Section/ | Section/Paragraph XXX | | | | | | |
| Address | es | Ιľ | | Coolion | uru | 3 | | | | | |
| s by | | ╎┝ | | ction/Pa | aara | anh yyy | | | | | |
| / Te | | 2 | 10.00 | | agit | | | | | | |
| chr | | ╎┝ | Justification (If necessary) | | | | | | | | |
| lica | | | oustine | ation (ii | need | 25501 y) | | | | | |
| - Ch | Motio | | | | Noo | ative is addressed by the technical change(s). | | | | | |
| by Technical Change Option | | | uond | _ | Shoji Komatsu (Acteon) / Tsukasa Fukunaga (Shin-Etsu Polymer) | | | | | | |
| e O | | | //2 nd by | / | the technical change that was incorporated to address Negative 2 can also | | | | | | |
| ptio | Disc | ussio | on | | address this Negative. | | | | | | |
| ň | | | | | <mark>6</mark> Y- | | | | | | |
| | | Res | ult of V | ote | x | $2/3 \leq$ [Negative is addressed by the technical | GO TO "Incorporation of the Technical Change" | | | | |
| | | | eck on | | ^ | change(s).] | subsection | | | | |
| | | | | | | [Negative is not addressed by the technical change(s).] < 2/3 | GO TO "Final" subsection \rightarrow (E) | | | | |
| | <u> </u> | Mot | ion | | To i | ncorporate the technical change(s). | | | | | |
| | nco Tec | Mot | ion by/ | 2 nd by | | ji Komatsu (Acteon) / Tsukasa Fukunaga (Sh | in-Etsu Polymer) | | | | |
| | ncorporati Technical | | cussion | | non | e | | | | | |
| | ratio Sal C | | | | <mark>6</mark> Y- | 0 N; Motion passed | | | | | |
| | Incorporation of the Technical Change | | esult o | | X | 90% ≤ [Agree to incorporate.] | GO TO "Final" subsection → (F) | | | | |
| | :he Je | | (check | one) | | [Disagree to incorporate.]>10% | GO TO "Final" subsection → (E) | | | | |
| No Fin | This great | | | | | "if the TC Chapter finds a Negative not pers ons voting on the action". (<i>Regulations</i> ¶ 9.6. | | | | | |
| t Sigr ding | Us | e of | "Not | | mute nifica | ually agreed upon to term the Negative "not nt". | GO TO "Final" subsection \rightarrow (D) | | | | |
| Not Significant Finding Option | sig findi | gnifi ing o | cant ption" | | mute nifica | ually agreed upon to term the Negative ant". | GO TO "Final" subsection \rightarrow (C) | | | | |
| | (Cr | IECK | one) | Wh | ether | or not the Negative is "not significant" is decide | d by a vote. | | | | |
| | | | | | | | | | | | |

| | Motion | The | he Negative is "not significant". | | | | | | | |
|-------|----------------------------------|-------------------------------|-----------------------------------|---|--|--|--|--|--|--|
| | Motion by/ 2 nd by | Name (Company)/Name (Company) | | | | | | | | |
| | Vote | | XX Y-XX N; M | otion passed with simple majority | GO TO "Final" subsection \rightarrow (D) | | | | | |
| | vole | | XX Y-XX N; M | otion failed with simple majority | GO TO "Final" subsection \rightarrow (C) | | | | | |
| | | | (A) | Withdrawn (counted under h in d | isposition) | | | | | |
| | | | (B) | Not related (counted under i in di | isposition) | | | | | |
| | (check if | | (C) | Related and not persuasive (signif | icant) | | | | | |
| Final | applicable) | | (D) | Not significant (counted under j in | n disposition) | | | | | |
| ıal | | | (E) | Related and persuasive and not addressed by technical change | DOCUMENT FAILS | | | | | |
| | | Х | (F) | Addressed by technical change (co | ounted under k disposition) | | | | | |
| | (check if applicable) | | Comment gen | erated. See Section V-(ii) Comment # | ¥ X. | | | | | |

Disposition of Voting Interest Reject 1

Check only when the Document has not been failed.

| 3 | Original | num | ber (#) of Negatives | | (g) | | | | |
|---|---|------|--|---|---|--|--|--|--|
| 1 | Number | of N | egatives withdrawn | (h) | | | | | |
| 0 | Number | of N | egatives found not related | | (i) | | | | |
| 0 | Number of Negatives found not significant (j) | | | | | | | | |
| 2 | | | egatives addressed by technic t significant) | al change <mark>(Negative</mark> | (k) | | | | |
| | | Х | g - (h + i + j + k) = 0 | Reject is Not Valid and denominator of § VI. A | is not included in the pproval Conditions Check | | | | |
| | Final | | g - (h + i + j + k) >0 | Reject is included in th Approval Conditions C | - | | | | |
| | | | 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

| INCY | ative 1 | | |
|-------------|---|---|--|
| | Referenced | *TF/TC Chapter to fill in, including text in the ballot if ne | cessary. |
| | Section/ Paragraph | Paragraph 15 and Figure 18 and 19 | |
| Negative | Paragraph Negative Text | *Original complete Negative text (e.g., issue, justification copied. Please see negative of doc. 6618 also apply here <doc.6618> This negative ballot accepts the proposed standard in its en provided, that the paragraph 15.2.1 and figures 18 and 19 a below. Rationale: In this company's 50 years of experience, perform moves with its conveyors, the above additions to the standard serving its customers with guarantied clean, high flow rate, follows the physical necessities of avoiding conveyor rail tra- bottom surface (as have learned with the 300 mm FOUP), r contacts, and the necessities of safety at high acceleration and The conveyor rail designs as included in the existing propose for low speed, short distance moves of the carrier, in and in handling means, and thus we confirm their acceptance. 15.2.1 Conveyor Rail Surface Dimensions – For Clean trans applications exceeding intra tool move dimensions the Com- inadequate due to its inherent tendency for contaminant transurface = bottom stacking surface), and its inadequate guid track due to mass and velocity of movement). Consequently y1, x5 and z10 should be used, z12 below the HP. Fig.18a a LEFT SIDE DEP RIGHT SIDE Surface at z1D=BU</doc.6618> | tirety, without exceptions as is, are added to the standard, as ming 100 Million plus annual and will enable it to continue long distance conveyors. This insport on a shared carrier ninimizing conveyor and carrier and speed of the carrier. Sed standard, may be adequate vicinity of process tool sets with sport applications and veyor rail as described in 15.2 is insfer (unprotected transport ing edge height (jumping the v the conveyor rail defined by x1, |
| | | ylcsbl b b b b b b b b b b b b b b b b b b | CE vieweak CE vieweak SIDE CONVEYOR SURFACE Figure 19a Side Conveyor Rail - Section at FP |
| TFi | nput <mark>(optional)</mark> | | |
| | \ | No Negative withdrawal made by Voter. | GO TO "Related" subsection |
| | Withdrawal (<mark>check one)</mark> | X Withdrawal document received by Standards staff on 05/07/2020 | GO TO "Final" subsection \rightarrow (A) |
| Relat ed | Motion and Reason | 'Related' is mutually agreed upon. (Needs no motion.) | GO TO "Porsuasivo" |
| lat 1 | (check one) | Negative is not related. (Needs ≥2/3 votes to pass.) | |

| | | | | | Reason | xxx | x | | | | | | |
|------------------------------------|-------------------|----------------------------|----------------|----------------------------------|--|----------------------------------|--|----------------------|-------|---|--|--|--|
| | | otior 2 nd I | n by/ by | Nam | Name (Company)/Name (Company) | | | | | | | | |
| | Dis | scus | sion | | | | | | | | | | |
| | | | | XX Y-XX N; Motion passed/failed. | | | | | | | | | |
| | | | f Vote one) | | [Negative is not relate | GO TO "Persuasive" subsection | | | | | | | |
| | (0.1 | | , | | 2/3 ≤ [Negative is not | | GO TO "Final" subsection → (B) | | | | | | |
| | Me | tion | and | | Negative is related a | nd pers | uasive. <mark>(Needs</mark> >1/ | <mark>/3 vo</mark> f | tes t | o pass.) | | | |
| | F | Reas | | | Negative is related a | nd not p | persuasive. (Needs | s ≥2/3 | vot | es to pass.) | | | |
| | | | , | | Reason | x | | | | | | | |
| σ | | otior 2 nd I | n by/ by | Nam | lame (Company)/Name (Company) | | | | | | | | |
| Persuasive | Dis | scus | sion | | | | | | | | | | |
| Jasi | | | | XX ۱ | Y-XX N; Motion passe | ed/failed | l | | | | | | |
| ve | Ros | ult o | f Vote | | [Negative is related and persuasive.] > 1/3 | | Is a technical change recommended? | | Y | GO TO "Address by Technical Change Option" subsection | | | |
| | | | one) | | [Negative is related a persuasive.] < 2/3 | and not | (check one) | | Ν | GO TO "Final" subsection → (E) | | | |
| | | | | | 2/3 ≤ [Negative is relation and not persuasive.] | | GO TO "Final" s | ubse | ectio | n → (C) | | | |
| | | | | | 90% ≤ [Negative is re and not persuasive.] | | | | | | | | |
| A | | nal s | | | ecommendations Igraph number and a | at least | one full sentence | are i | requ | ired in "FROM" and "TO" | | | |
| ddres | | F | ROM: | Secti | ion/Paragraph 1.1 | | | | | | | | |
| s by T | | 1 | TO: Se | ction | /Paragraph 1.1 | | | | | | | | |
| echn | 「ech | ╞ | lustific | ation | n (If necessary) | | | | | | | | |
| lical | nical | | | | | | | | | | | | |
| Chang | Technical Changes | | ROM: | Secti | ion/Paragraph XXX | | | | | | | | |
| Address by Technical Change Option | es | 2 | TO: See | ction | /Paragraph xxx | | | | | | | | |
| ă | | | Justific | atior | n (If necessary) | | | | | | | | |

| | Motic | on | | | Neg | ative is a | ddressed by the technical change(s). | | | | | |
|-----------------------------------|---|---------------------------------------|-------------------|-----------------------------------|----------------------------------|---|---|--|--|--|--|--|
| | Motic | on by/2 nd by | / | | Nam | ne (Comp | oany)/Name (Company) | | | | | |
| | Discu | ussion | | | | | | | | | | |
| | | | | | XX Y-XX N; Motion passed/failed. | | | | | | | |
| | | Result of V (check on | | | | | egative is addressed by the technical | GO TO "Incorporation of the Technical Change" subsection | | | | |
| | | • | - | | | | e is not addressed by the technical s).] < 2/3 | GO TO "Final" subsection \rightarrow (E) | | | | |
| | - | Motion | | | To i | ncorpora | te the technical change(s). | | | | | |
| | nco Tec | Motion by/ | 2 nd k | ру | Nam | ne (Comp | pany)/Name (Company) | | | | | |
| | Technical Change Result of Vote (check one) | | | | | | | | | | | |
| | al Cr | | | | XX۱ | Y-XX N; Ⅰ | Motion passed/failed. | | | | | |
| | ר hang | Result o | | | | 90% ≤ [A | Agree to incorporate.] | GO TO "Final" subsection → (F) | | | | |
| | he e | (check | one) | | | [Disagre | e to incorporate.]>10% | GO TO "Final" subsection \rightarrow (E) | | | | |
| No | | | | | | | C Chapter finds a Negative not persing on the action". (<i>Regulations</i> ¶ 9.6 | | | | | |
| t Sigi | | | | | mutu ificar | | eed upon to term the Negative "not | GO TO "Final" subsection \rightarrow (D) | | | | |
| Not Significant Finding Option | significant finding option" (check one) | | | | mutu nifica | | eed upon to term the Negative | GO TO "Final" subsection → (C) | | | | |
| Fin | | , | | Whe | ether | er or not the Negative is "not significant" is decided by a vote. | | | | | | |
| din | l | Motion | The | he Negative is "not significant". | | | | | | | | |
| g | | otion by/ 2 nd by | Nam | ne (C | Company)/Name (Company) | | | | | | | |
| | | Vote | | xx | Y-XX | (N ; Motio | on passed with simple majority | GO TO "Final" subsection \rightarrow (D) | | | | |
| | | vote | | xx ' | Y-XX | (N ; Motio | on failed with simple majority | GO TO "Final" subsection \rightarrow (C) | | | | |
| | | | Х | | (/ | A) | Withdrawn (counted under h in disp | oosition) | | | | |
| | | | | | (| B) | Not related (counted under i in disp | osition) | | | | |
| | ((| check if | | | (| C) | Related and not persuasive (significa | nt) | | | | |
| Final | | plicable) | | | (| D) | Not significant (counted under j in d | isposition) | | | | |
| a | | | | | (| E) | Related and persuasive and not addressed by technical change | DOCUMENT FAILS | | | | |
| | | | | | (| F) | Addressed by technical change (cour | nted under k disposition) | | | | |
| | àp | check if plicable) is needed fo | | | | • | nted. See Section V-(ii) Comment # X | | | | | |

Disposition of Voting Interest Reject 2

Check only when the Document has not been failed.

| 1 | Original | num | ber (#) of Negatives | | (g) | | | | | | | |
|---|----------|---|--|--|--|--|--|--|--|--|--|--|
| 1 | Number | Number of Negatives withdrawn (h) | | | | | | | | | | |
| 0 | Number | Number of Negatives found not related (i) | | | | | | | | | | |
| 0 | Number | of N | egatives found not significant | | (j) | | | | | | | |
| 0 | | | egatives addressed by technic t significant) | al change <mark>(Negative</mark> | (k) | | | | | | | |
| | | х | g - (h + i + j + k) = 0 | Reject is Not Valid and denominator of § VI. A | l is not included in the proval Conditions Check | | | | | | | |
| | Final | | g - (h + i + j + k) >0 | ne denominator of § VI. 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)

Voting Interest Reject 3 (Voting Interest Name: NCAP) Voter Reject 1 (Voter: Xu Yan/ National Center for Advanced Packaging Co., Ltd)

Negative 1

| | Referenced Section/ | | *TF/TC Chapter to fill in, including text in the ballot if necessary. | | | | | | | | | |
|----------|----------------------------------|-------------|---|-------------------------------------|--|--|--|--|--|--|--|--|
| Veg | Paragraph | NONE | | | | | | | | | | |
| Negative | Negative Text | *Ori cop | | ve text (e.g., issue, justification | , suggestion) should be | | | | | | | |
| | Negative Text | Trar | nsportation cost and box | cost will increase | | | | | | | | |
| TF | input <mark>(optional)</mark> | | | | | | | | | | | |
| | Withdrawal | | No Negative withdrawa | I made by Voter. | GO TO "Related" subsection | | | | | | | |
| | (check one) | х | Withdrawal document r August/27/2020 | eceived by Standards staff on | GO TO "Final" subsection \rightarrow (A) | | | | | | | |
| | Motion and | | 'Related' is mutually ag | reed upon. (Needs no motion.) | GO TO "Persuasive" subsection | | | | | | | |
| Re | Reason (check one) | | Negative is not related. | (Needs ≥2/3 votes to pass.) | | | | | | | | |
| lated | | | Reason | | | | | | | | | |
| | Motion by/ 2 nd by | Nam | ne (Company)/Name (Co | ompany) | | | | | | | | |

| | Di | scu | ssion | | | | | | | | | | |
|------------------------------------|-------------------------------|-------------------------|-------------------------------------|------------------------|---|--------|--|-----------------------------------|-----|---|--|--|--|
| | | | | XX Y-XX | (N ; Motion passed/ | failed | | | | | | | |
| | | | of Vote cone) | [Ne | gative is not related | | GO TO "Persuasive" subsection | | | | | | |
| | | | | 2/3 | ≤ [Negative is not re | elated | | GO TO "Final" subsection → (B) | | | | | |
| | | _ | | Neç | gative is related and persuasive. (Needs >1/3 votes to pass.) | | | | | | | | |
| | | Rea | n and son <mark>k one)</mark> | Neç | Negative is related and not persuasive. (Needs ≥2/3 votes to pass.) | | | | | | | | |
| | | | , | Rea | eason | | | | | | | | |
| P | | otio 2 nd | on by/ by | Name (C | Company)/Name (Co | ompar | ıy) | | | | | | |
| ersu | Di | scu | ssion | | | | | | | | | | |
| Persuasive | | | | XX Y-X> | (N ; Motion passed/ | failed | | | | | | | |
| ve | pe | | | | gative is related and suasive.] > 1/3 | ł | Is a technical change recommended? | Ŋ | 1 | GO TO "Address by Fechnical Change Option" subsection | | | |
| | Result of Vote (check one) | | | per | gative is related and suasive.] < 2/3 | | (check one) | ٢ | 1 | GO TO "Final" subsection → (E) | | | |
| | | | | | Sector | | GO TO "Final" s | ubsect | ion | → (C) | | | |
| | | | | 90% | 90% ≤ [Negative is related and not persuasive.] GO TO "Not Significant Finding Option" subsection | | | | | | | | |
| | | inal | | | nmendations ph number and at l | east | one full sentence | are red | qui | red in "FROM" and "TO" | | | |
| 1 | | | FROM: | Section/ | Paragraph 1.1 | | | | | | | | |
| Address by Technical Change Option | _ | 1 | TO: See | ction/Pa | ragraph 1.1 | | | | | | | | |
| s by T | echni | | Justific | cation (If necessary) | | | | | | | | | |
| echni | Technical Changes | - | FROM: | Section/ | Paragraph XXX | | | | | | | | |
| cal (| lang | | | | | | | | | | | | |
| Chang | es | 2 | TO: Se | ction/Pa | ragraph xxx | | | | | | | | |
| e Opti | | | Justific | ation <mark>(If</mark> | necessary) | | | | | | | | |
| on | Moti | on | | | Negative is address | sed by | y the technical cha | nge(s). | | | | | |
| | Moti | on k | oy/2 nd by | / | Name (Company)/I | Name | (Company) | | | | | | |
| | Disc | uss | ion | | | | | | | | | | |

| | | | | | XX | Y-XX N; № | lotion passed/failed. | | | | |
|---------------------------|--|--------------------------|-------------------|----------------|---|------------------------------|--|--|--|--|--|
| | | Result of V (check on | | | | 2/3 ≤ [Ne change(s | egative is addressed by the technical s).] | GO TO "Incorporation of the Technical Change" subsection | | | |
| | | | | | | [Negative change(s | e is not addressed by the technical (a).] < 2/3 | GO TO "Final" subsection → (E) | | | |
| | | Motion | | | To incorporate the technical change(s). | | | | | | |
| | lnco Tec | Motion by/ | 2 nd k | у | Name (Company)/Name (Company) | | | | | | |
| | Incorporation of the Technical Change | Discussion | | | | | | | | | |
| | | | | | XX V | Y-XX N; № | lotion passed/failed. | | | | |
| | h of th | Result o | - | | | 90% ≤ [A | gree to incorporate.] | GO TO "Final" subsection → (F) | | | |
| | le e | (check | one | | | [Disagree | e to incorporate.]>10% | GO TO "Final" subsection \rightarrow (E) | | | |
| No | | | | | | | C Chapter finds a Negative not pers g on the action". (<i>Regulations</i> ¶ 9.6. | | | | |
| ot Sigr | Us | e of "Not | | | mutu nificai | | ed upon to term the Negative "not | GO TO "Final" subsection → (D) | | | |
| Not Significant Option | sig findi <mark>(ch</mark> | | | mutu nifica | | ed upon to term the Negative | GO TO "Final" subsection → (C) | | | | |
| Fin | | | | Whe | ether | or not the | e Negative is "not significant" is decide | d by a vote. | | | |
| Finding | | Motion | The | Neg | egative is "not significant". | | | | | | |
| 9 | | | | | | (Company)/Name (Company) | | | | | |
| | | Vote | | XX | Y-XX | (N ; Motio | n passed with simple majority | GO TO "Final" subsection \rightarrow (D) | | | |
| | Vote | | | XX | Y-XX | (N ; Motio | n failed with simple majority | GO TO "Final" subsection → (C) | | | |
| | | | Х | | (4 | A) | Withdrawn <mark>(counted under h in disp</mark> | osition) | | | |
| | | | | | (| B) | Not related (counted under i in disp | osition) | | | |
| | (| check if | | | (| C) | Related and not persuasive (significar | nt) | | | |
| Final | | plicable) | | | (| D) | Not significant <mark>(counted under j in di</mark> | isposition) | | | |
| a | | | | | | E) | Related and persuasive and not addressed by technical change | DOCUMENT FAILS | | | |
| | | | | | (| F) | Addressed by technical change (cour | nted under k disposition) | | | |
| | (check if applicable) | | | | nmei | nt genera | ted. See Section V-(ii) Comment # X. | | | | |

Disposition of Voting Interest Reject 3

Check only when the Document has not been failed.

| | 1 | Original | riginal number (#) of Negatives (g) | | | | | | | | | | | |
|---|-------|----------|---|--|---|--|--|--|--|--|--|--|--|--|
| - | 1 | Number | er of Negatives withdrawn (h) | | | | | | | | | | | |
| (| 0 | Number | Number of Negatives found not related (i) | | | | | | | | | | | |
| (| 0 | Number | Number of Negatives found not significant (j) | | | | | | | | | | | |
| (| 0 | | | egatives addressed by technic t significant) | al change <mark>(Negative</mark> | (k) | | | | | | | | |
| | | | x | g - (h + i + j + k) = 0 | Reject is Not Valid and denominator of § VI. A | is not included in the proval Conditions Check | | | | | | | | |
| | Final | | | g - (h + i + j + k) >0 | Reject is included in the Approval Conditions C | ne denominator of § VI. Sheck | | | | | | | | |
| | | | | | | | | | | | | | | |

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)

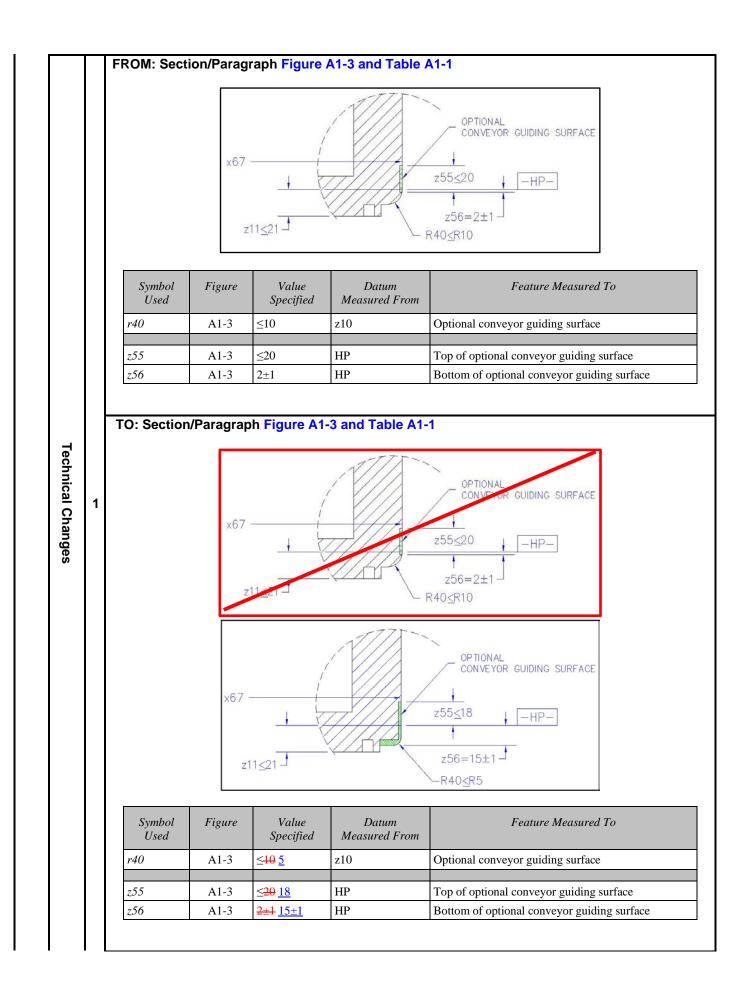
IV. Other Technical Issues

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)

Issue 1

| - | Origin | *TF/TC Chapter to choose Withdrawn Negative from George W Horn/Middlesex Industries SA | | | | | | | | | | |
|-----------|-----------------------|--|---|-------------------------------|--|--|--|--|--|--|--|--|
| ech | Referenced | *TF/ | /TC Chapter to fill in including text in the ballot as appro | opriate. | | | | | | | | |
| Technical | Section/ Paragraph | Fig | ure A1-3 and Table A1-1 | | | | | | | | | |
| Issue | | | iginal Comment text, if applicable, and problem stateme I suggestion, should be copied. | ent, including justification | | | | | | | | |
| le | Reason | for I | 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. | | | | | | | | | |
| Hand | dle technical issu | le ide | entified above as a Negative. | | | | | | | | | |
| Re | Motion and | × | 'Related' is mutually agreed upon. (Needs no motion.) | GO TO "Persuasive" subsection | | | | | | | | |
| Related | Reason | | Negative is not related and assigned to TF. (Needs ≥2/3 v | otes to pass.) | | | | | | | | |
| ed | (check one) | | Negative is not related and placed on agenda of current To business. (Needs ≥2/3 votes to pass.) | C Chapter meeting as new | | | | | | | | |

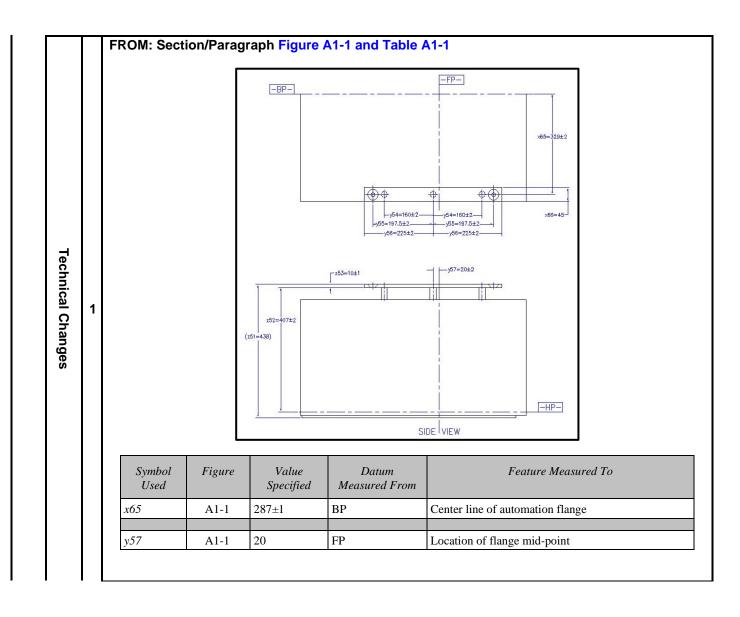
| | | | Reason | | | | | | | | | | |
|------------|-------------------------------------|---|---|-------------------------------|--|--------|-------|---|--|--|--|--|--|
| | Motion by/ 2nd by | Nar | me (Company)/Name (C | ompany | () | | | | | | | | |
| | Discussion | | | | | | | | | | | | |
| | | XX | Y-XX N; Motion passed | /failed. | | | | | | | | | |
| | Result of Vote | | [Negative is not related | GO TO "Persuasive" subsection | | | | | | | | | |
| | (check one) | | $2/3 \leq$ [Negative is not r | | | | | GO TO "Final" | | | | | |
| | | | 2/3 ≤ [Negative is not current TC Chapter me | | | genda | a of | subsection \rightarrow (B) | | | | | |
| | | х | Negative is related and | bass.) | | | | | | | | | |
| | Motion and Reason (check one) | | Negative is related and | l not pe | rsuasive. <mark>(Needs</mark> ≥2 | 2/3 vo | otes | to pass.) | | | | | |
| | | | Reason | XXXX | | | | | | | | | |
| Persuasive | Motion by/ 2 nd by | Shoji Komatsu (Acteon) / Tsukasa Fukunaga (Shin-Etsu Polymer) | | | | | | | | | | | |
| asiv | Discussion | none | | | | | | | | | | | |
| 'e | | <mark>6</mark> Y | -0 N ; Motion passed | | | | | | | | | | |
| | Result of Vote | х | [Negative is related and persuasive.] > 1/3 | d | Is a technical change recommended? | х | Y | GO TO "Address by Technical Change Option" subsection | | | | | |
| | (check one) | | [Negative is related and persuasive.] < 2/3 | d not | (check one) | | Ν | GO TO "Final" subsection → (E) | | | | | |
| | | | 2/3 ≤ [Negative is relate and not persuasive.] < | | GO TO "Final" su | Ibse | ction | → (C) | | | | | |
| Add | | | ecommendations agraph number and at | least oi | ne full sentence are | e req | uireo | d in "FROM" and "TO" | | | | | |

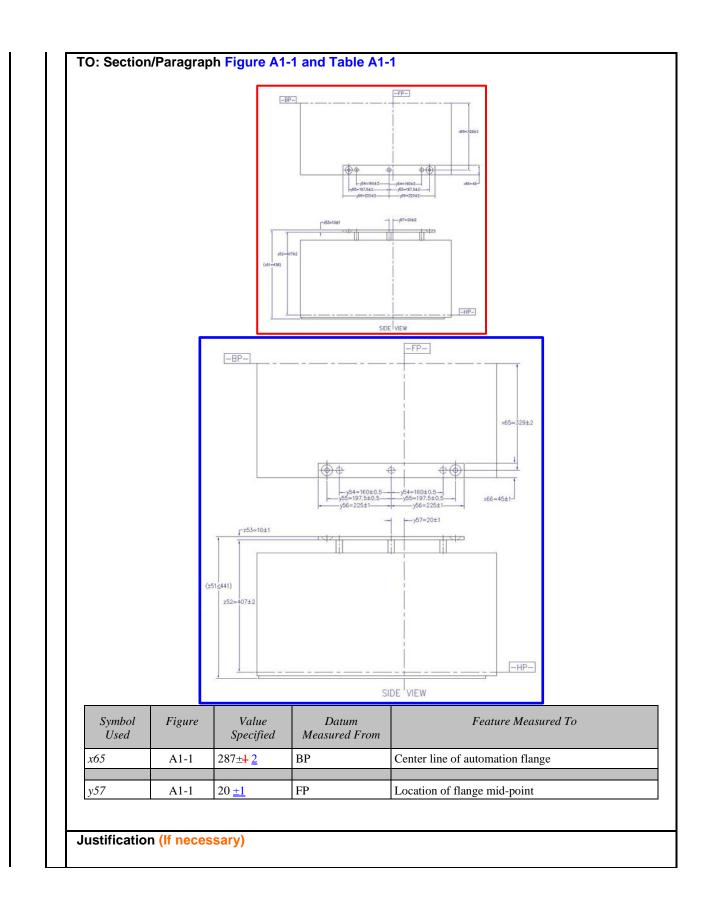


| | | | Justifi | catio | on (I | f ne | cessary) | | | | | | |
|-------------------|--|---|----------------------|------------------|---------------------|---|---|---|--|--|--|--|--|
| | | | FROM: | Sec | tion | /Par | Paragraph XXX | | | | | | |
| | | 2 | TO: Se | ectio | n/Pa | arag | raph xxx | | | | | | |
| | | | Justifi | catio | on <mark>(</mark> l | f ne | cessary) | | | | | | |
| | Moti | on | | | | Negative is addressed by the technical change(s). | | | | | | | |
| | Moti | on l | by/2 nd b | у | | Sł | noji Komat | su (Acteon) / Tsukasa Fukunaga (Shin | -Etsu Polymer) | | | | |
| | Disc | uss | ion | | | none | | | | | | | |
| | | | | | | 6 Y-0 N; Motion passed | | | | | | | |
| | | Result of Vote (check one) | | | | | 2/3 ≤ [Ne change(s) | gative is addressed by the technical).] | GO TO "Incorporation of the Technical Change" subsection | | | | |
| | | | | | | | [Negative is not addressed by the technical change(s).] < $2/3$ GO TO "Final" subsection \rightarrow (E | | | | | | |
| | | Mo | otion | | | To incorporate the technical change(s). | | | | | | | |
| | nco Tec | М | otion by | /2 nd | by | Shoji Komatsu (Acteon) / Tsukasa Fukunaga (Shin-Etsu Polymer) | | | | | | | |
| | rpor hnic | Di | scussio | n | | none | | | | | | | |
| | atio :al (| | | | | 6 Y-0 N; Motion passed | | | | | | | |
| | ncorporation of th Technical Change | Motion by/2 nd by Discussion Result of Vote (check one) | | | | | 90% ≤ [A | gree to incorporate.] | GO TO "Final" subsection → (F) | | | | |
| | าe e | freek one) | | | | | [Disagree | to incorporate.] >10% | GO TO "Final" subsection → (E) | | | | |
| | | | | | | | (B) | Not related | | | | | |
| | | | | | | | (C) | Related and not persuasive | | | | | |
| [] 322 | (ch | eck | one) | | | | (E) | Related and persuasive and not addressed by technical change | DOCUMENT FAILS | | | | |
| - | | | | Х | | | (F) | Addressed by technical change | | | | | |
| | • | | ck if able) | | Сс | omm | ent genera | ted. See Section V-(ii) Comment # X. | | | | | |

Issue 2

| | | | /TC Chapter to choose | | | | | | | | | | | | |
|-----------------|----------------------------------|---|---|-------------------------------|--|--------|--------|---|--|--|--|--|--|--|--|
| Te | Origin | A re | eason not addressed by | a Vote | response | | | | | | | | | | |
| chi | Referenced | *TF | /TC Chapter to fill in in | ncludin | g text in the ballot a | as ap | prop | oriate. | | | | | | | |
| nical | Section/ Paragraph | Tab | ole 1, Figure A1-1 and 1 | Table A | 1-1 | | | | | | | | | | |
| Technical Issue | | *Original Comment text, if applicable, and problem statement, including justification and suggestion, should be copied. | | | | | | | | | | | | | |
| Û | Reason | I found some mistakes regarding y70 in Table 1 and tolerances in Appendix 1. | | | | | | | | | | | | | |
| Hand | dle technical issu | le ide | entified above as a Neg | gative. | | | | | | | | | | | |
| | | х | 'Related' is mutually ag | greed up | oon. <mark>(Needs no mo</mark> t | tion.) | | GO TO "Persuasive" subsection | | | | | | | |
| | Motion and | | Negative is not related | and as | signed to TF. (Need | ls ≥2/ | /3 vo | | | | | | | | |
| | Reason (check one) | | Negative is not related and placed on agenda of current TC Chapter meeting as business. (Needs ≥2/3 votes to pass.) | | | | | | | | | | | | |
| | (, | | Reason | | | | | | | | | | | | |
| Reli | Motion by/ 2nd by | Nar | Name (Company)/Name (Company) | | | | | | | | | | | | |
| Related | Discussion | | | | | | | | | | | | | | |
| | Result of Vote (check one) | XX | XX Y-XX N; Motion passed/failed. | | | | | | | | | | | | |
| | | | [Negative is not related | GO TO "Persuasive" subsection | | | | | | | | | | | |
| | | | $2/3 \le$ [Negative is not r | | | | | | | | | | | | |
| | | | 2/3 ≤ [Negative is not current TC Chapter me | | | genda | a of | GO TO "Final" subsection → (B) | | | | | | | |
| | | x | Negative is related and | | | /otes | s to p | pass.) | | | | | | | |
| | Motion and Reason | | Negative is related and | d not pe | rsuasive. <mark>(Needs</mark> ≥2 | 2/3 vo | otes | to pass.) | | | | | | | |
| | (check one) | | Reason | xxxx | | | | | | | | | | | |
| Persuasive | Motion by/ 2 nd bv | Sho | oji Komatsu (Acteon) / Ts | sukasa | Fukunaga (Shin-Ets | u Po | lyme | r) | | | | | | | |
| las | Discussion | non | e | | | | | | | | | | | | |
| ive | | | -0 N; Motion passed | | | | | | | | | | | | |
| | Result of Vote | x | [Negative is related an persuasive.] > 1/3 | d | ls a technical change | x | Y | GO TO "Address by Technical Change Option" subsection | | | | | | | |
| | (check one) | | [Negative is related an persuasive.] < 2/3 | d not | recommended? (check one) | | N | GO TO "Final" subsection → (E) | | | | | | | |
| | | | 2/3 ≤ [Negative is related and not persuasive.] < | | GO TO "Final" subsection \rightarrow (C) | | | | | | | | | | |
| Add | | | ecommendations | | ne full sentence are | e req | uireo | d in "FROM" and "TO" | | | | | | | |





| 1 | l | | FROM: | Sect | tion/ | Par | agraph Ta | ble1 | | | | | |
|----------|--|-----|------------------------|------------------|--------------------|--|---------------------------|---------------------------|---|---------------------|--|--|--|
| | | | | | | | | | | | | | |
| | | | | | Refer Fig | gure van | | ue Specified | Datum Measured From | Feature Measured To | | | |
| | | | y70 | | 27, 2 | 9 | 351.5 | | FP | | cally correct panel or process ar end position | | |
| | | | | | | | | | | | | | |
| | | 2 | TO: Se | ction | | | aph <mark>Table</mark> | 1 | | | | | |
| | | | y70 | | 27, 2 | 9 | 351.5 357.5 | 5 | FP | | cally correct panel or process ar end position | | |
| | | | L | | | | | 3 | | | | | |
| | | | Justifi | catio | n <mark>(lf</mark> | neo | cessary) | | | | | | |
| | Moti | on | | | | Ne | egative is a | ddressed by | / the technical change | e(s). | | | |
| | | | oy/2 nd b | v | | Negative is addressed by the technical change(s). Shoji Komatsu (Acteon) / Tsukasa Fukunaga (Shin-Etsu Polymer) | | | | | | | |
| | | | | y | | none | | | | | | | |
| | Disc | uss | ion | | | | | | | | | | |
| | | | | | | 6 | | ion passed | GO TO "Incorporation of | | | | |
| | | | sult of Ve heck one | | | X | 2/3 ≤ [Ne change(s | gative is ado).] | the Technical Change" subsection | | | | |
| | | • | | | | | [Negative change(s | is not addre).] < 2/3 | GO TO "Final" subsection → (E) | | | | |
| | _ | М | otion | | | To incorporate the technical change(s). | | | | | | | |
| | Inco Tec | М | otion by | /2 nd | by | Shoji Komatsu (Acteon) / Tsukasa Fukunaga (Shin-Etsu Polymer) | | | | | | | |
| | rpor hnic | Di | scussio | n | | none | | | | | | | |
| | atio al C | | | | | 6 | Y- 0 N; Mot | tion passed | | | | | |
| | Incorporation of the Technical Change | 1 | Result o | | е | X | 90% ≤ [A | gree to inco | rporate.] | | GO TO "Final" subsection → (F) | | |
| | he e | | (check | one) | | | [Disagree | to incorpora | ate.] >10% | | GO TO "Final" subsection → (E) | | |
| | | | | | | | (B) | Not related | b | | | | |
| | (1) | | | | | | (C) | | nd not persuasive | | | | |
| Final | (check one) | | | | | (E) | | addressed | nd persuasive and no I by technical change | | DOCUMENT FAILS | | |
| — | (check if | | | | | | (F) | Addressed | | | | | |
| | | | ck if able) | | Cor | nm | ent genera | ted. See Se | ction V-(ii) Comment | # X. | | | |

V. Comments

V- (i) Voters' Comments Commenter 1 (Larry Hartsough/UA Associates) - Comment 1

| | | | | nisough/oA Associates) - comment 1 | | | | | | | | |
|--------------|--|---|-------|---|--|--|--|--|--|--|--|--|
| 5 | *TF | /TC Chapte | er to | fill in section/paragraph #, if necessary. | | | | | | | | |
| Comment | Comments: 1. The Referenced Documents and Standards section and the Terminology section are not required; see PM3.8.3.2. They could be omitted from the Subordinate Specifications if the TC Chapter so desires. Unless, of course, there are refs/terms used there that are not in the Primary. Removal could be considered a Type 1 editorial change, I think. | | | | | | | | | | | |
| | The | he TC Chapter agreed to do one of the following actions. | | | | | | | | | | |
| | *No | No motion is required in this step. | | | | | | | | | | |
| A | | Already addressed by Commenter #, Comment # | | | | | | | | | | |
| Action | | No further | actio | on was taken by the TC Chapter. | | | | | | | | |
| Γ | | Refer to the | ne TF | for more consideration. | | | | | | | | |
| | | New Busi | ness | | | | | | | | | |
| | Х | Editorial C | Chang | | | | | | | | | |
| | | Options | | Case 1: No vote in this section: | | | | | | | | |
| | | for editorial | | To be included and voted on as a group in § VI. Editorial Changes Other than Those Voted on in § V. | | | | | | | | |
| | | change | | Case 2: Voted in this section: | | | | | | | | |
| | | (check one) | Х | Original section number and at least one full sentence are required in "FROM" and "TO" fields. | | | | | | | | |
| | | FROM: S | ectio | on/Paragraph 3, 3.1 and NOTE 1 | | | | | | | | |
| | | 3. Referenced Standards and Documents | | | | | | | | | | |
| | | 3.1 SEMI Standards and Safety Guidelines | | | | | | | | | | |
| Ed | | SEMI 3D20 — Specification for Panel Characteristics for Panel Level Packaging (PLP) Applications NOTE 1: The SEMI Physical Interfaces & Carriers Global Technical Committee is developing a Specification for Panel FOUP and Panel FOUP Load Ports intended to be used in conjunction with this Document. | | | | | | | | | | |
| Editori | 1 | TO: Sect | ion/F | Paragraph 3, 3.1 and NOTE 1 | | | | | | | | |
| rial Changes | | | | Standards and Documents | | | | | | | | |
| hanı | | 3.1 SEMI S | Stand | ards and Safety Guidelines | | | | | | | | |
| nes | | | | Specification for Panel Characteristics for Panel Level Packaging (PLP) Applications | | | | | | | | |
| | | | | • SEMI Physical Interfaces & Carriers Global Technical Committee is Specification for Panel FOUP and Panel FOUP Load Ports intended to | | | | | | | | |
| | | | | ajunction with this Document. | | | | | | | | |
| | | Justifica | tion | (If necessary) | | | | | | | | |
| | 2 | FROM: S | ectio | on/Paragraph | | | | | | | | |

| | | TO: Section/Paragraph | | | | | | | | |
|------------------------------|------------|-------------------------|--|--|--|--|--|--|--|--|
| Justification (If necessary) | | | | | | | | | | |
| М | otion | ı | To approve above editorial change(s) | | | | | | | |
| М | otion | n by/2 nd by | Shoji Komatsu (Acteon) / Tsukasa Fukunaga (Shin-Etsu Polymer) | | | | | | | |
| D | Discussion | | There was a discussion if it was OK to delete Terminology section by the editorial change during Ballot Review. The TC Chapter chose safer option. | | | | | | | |
| V | ote | | 6 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

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 | = | 39 | 1 | 39 |] = | 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

X

Note: See Regulations § 15 for further information.

| | x | Th is s | is is not a still technica | Safety Document , when all safety-related information is removed, the Document ally sound and complete. (<i>Regulations</i> ¶ 8.7.1) ety Document , when all safety-related information is removed, the Document is not und and complete. (<i>Regulations</i> ¶ 8.7.2) | | | | | | | |
|--|---|------------|-----------------------------------|---|--|--|--|--|--|--|--|
| Motion | | | | | | | | | | | |
| | | | | cklist (<i>Regulations</i> ¶ 15.3) is complete and has been included with the Document the balloting process. (<i>Regulations</i> ¶ 15.1.2) | | | | | | | |
| Motion by/2 nd by Shoji Komatsu (Acteon) / Tsukasa Fuku | | | | Shoji Komatsu (Acteon) / Tsukasa Fukunaga (Shin-Etsu Polymer) | | | | | | | |
| Discussion None | | | | None | | | | | | | |
| Vote 6 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.

| Х | that r copyr | 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.) | GO TO SECTION X. | | | | | | | |
| | | The question is answered in affirmative | Is any of the known IPs a patented | | Yes, at least one of them is a patented technology | GO TO IX (a) "Patented Technology" subsection | | | | |
| | | | technology? | | No | GO TO IX (b) "Copyright items" subsection | | | | |

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

| # Fi | | (I) Known Patented Technology that might be relevant to | # Fill | (m) Number of patented technologies first became known to the TC Chapter on or after the day of the issuance of this Letter Ballot | performed at the next |
|---------|-------|---|----------------------|---|-----------------------|
| | umber | the Standard/Safety Guideline | " Fill | (n) Number of patented technologies first became known to the TC Chapter before the day of the issuance of this Letter Ballot | GO TO IX (a2) |

IX(a2) Assessment of disclosed patented technologies

| Disclosed patented techno (<i>Brief description, e.g., pate</i> | Date of Assessment (If different from the date of Letter Ballot adjudication) MM/DD/YYYY | | | | | | |
|---|--|----|------------|-------------------------|-------|------------|---|
| Is disclosed patented | nd to be " to the | | | e of this echnically | YES | | PROCEED to assess NEXT one, or if this is the last one, GO TO IX(a3) |
| technology #1 found to be "might be material" to the Standard/Safety Guideline? | | | justified? | | | NO | The Document is failed and returned to the TF |
| | | NO | No furth | er action is nee | ded f | or patente | d 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 | | | | | | | |
|--|--|-----|---|------|------------------------|--|--|
| | | YES | PROCEED to check NEXT one, or if this is the last one, GO TO IX(b) | | | | |
| Has an LOA for this patented technology | | NO | MC | | Ask ISC for sp | ecial permission to publish. | |
| been received from every owner ? | | | MOTION | | 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) | |
| | | | Mo | tion | by/ 2 nd by | Name (Company)/Name (Company) | |
| | | | Discussion | | | XXXX | |
| | | | | | | 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

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

IX(b2) Assessment of disclosed copyrighted items

| Disclosed copyrighted item (Brief description of its use | e Docume | nt): | | | |
|--|----------|--|-------|------------|---|
| Is disclosed copyrighted | YES | Is the use/reproduction of | | YES | PROCEED to assess NEXT one, or if this is the last one, GO TO IX(b3) |
| item #1 used or reproduced in the Standard/Safety Guideline? | - | this copyrighted item technically justified? | | NO | The Document is failed and returned to the TF |
| | NO | No further action is nee | ded f | or copyrig | nted 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 | | | | | ED to assess NEXT one, or the last one, GO TO IX(c) | | | | | |
| from its owner ?. | | NO | Μ | | 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) | |
| Moti | | | Name (Company)/Name (Company) | |
| Dis | cuss | sion | 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

| | | YES | Is every instance of trademark use technically justified? | | YES | GO TO IX(d) | |
|--|--|-----|---|--|-----|---|--|
| Is there any trademark in the Standard/Safety Guideline? | | | | | | 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 <i>Regulations</i> ¶ 16.4.1.2) Until then this Letter Ballot Review is on hold. |
|--|-----|--|
| | NO | GO TO X |

X. Action for This Document

| | | | ument passed TC Chapter review as balloted and will be forwarded to the ISC A&R rocedural review. | | | | | |
|--------------|--|---|---|--|--|--|--|--|
| M | | | Document passed TC Chapter review with editorial changes and will be forwarded to the A&R SC for procedural review. | | | | | |
| Motion | x | editorial ch | his Document passed TC Chapter review with technical changes and with or without ditorial changes and will be forwarded to the ISC A&R SC for procedural review. A atification 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 Docu | is Document failed TC Chapter review and work will be discontinued. | | | | | |
| I | Motion by/ 2 nd by Shoji Komatsu (Acteon) / Tsukasa Fukunaga (Shin-Etsu Polymer) | | | | | | | |
| 0 | Discussion None | | | | | | | |
| | Vote 6 Y-0 N | | | | | | | |
| Final Action | | 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.