

Record of Letter Ballot Review by TC Chapter for Procedural Review

Region/Locale: **Japan**

Global Technical Committee: **Facilities**

TC Chapter Cochairs: **Hiromichi Enami / i-ZOOM, Isao Suzuki / Consultant, Masafumi Kitano / Fujikin**

Standards Staff: **Mami Nakajo**

| | Scheduled in Background Statement | Actual |
|--|--|--------------------------|
| Date | TBD | 12/11/2020 |
| Location | TBD | SEMI Japan office |
| Reason for Change of Date and/or Location (if changed) | Force majeure caused by the corona virus. | |

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

I. Document Number and Title

| | |
|--|---|
| Document Number 6395B | Document Title Revision to SEMI F1-0812, Specification for Leak Integrity of High Purity Gas Piping Systems and Components |
|--|---|

II. Tally

Standards staff to fill in.

Voting Tally: As-cast tally after close of voting period

Note: A minimum of 60% of the Voting Interests that have TC Members within the global technical committee that issued the Letter Ballot must return Votes. (Regulations ¶ 9.6.2.1.1)

Voting Tally (with example values):

| Voting Interest: | Returned Votes | | Distribution | | Return Rate | |
|---------------------------|----------------|---|---------------------------|---|--------------|------|
| Letter Ballot | 66 | ÷ | 107 | = | 61.7% | ≥60% |
| Intercommittee Ballot | 52 | | | | | |
| | | | | | | |
| Voting Interest Reject(s) | 0 | | Total Voters with Rejects | | 0 | |
| Voting Interest Accept(s) | 45 | | | | | |
| | | | | | | |

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

III. Rejects

None

IV. Other Technical Issues

None

V. Comments

V- (i) Voters' Comments

Commenter 1 (**Supika Mashiro/TEL**) - Comment 1

| | | | |
|-------------------|---|--|--|
| Comment | *TF/TC Chapter to fill in section/paragraph #, if necessary. | | |
| | The Limitation sections need to be revised in future time to comply with the guidance given in the Procedure Manual regarding how to write Limitations. | | |
| Action | The TC Chapter agreed to do one of the following actions. | | |
| | *No motion is required in this step. | | |
| | <input type="checkbox"/> | Already addressed by Commenter #, Comment # | |
| | <input checked="" 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 type="checkbox"/> | Editorial Change | |
| | Options for editorial change (check one) | <input type="checkbox"/> | Case 1: No vote in this section: To be included and voted on as a group in § VI. <i>Editorial Changes Other than Those Voted on in § V.</i> |
| | | <input type="checkbox"/> | Case 2: Voted in this section: Original section number and at least one full sentence are required in "FROM" and "TO" fields. |
| | | <input type="checkbox"/> | |
| | | <input type="checkbox"/> | |
| Editorial 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 | | To approve above editorial change(s) | |

| | |
|------------------------------|--|
| Motion by/2 nd by | Name (Company)/Name (Company) |
| Discussion | XXXX |
| Vote | XX Y-XX N; Motion <i>passed/failed</i> . |

This table is needed for each Comment accompanied a Vote

Commenter 2 (Mohamed Saleem/ Brooks Instrument Division) - Comment 2

| | | | |
|------------------------------|---|---|--|
| Comment | *TF/TC Chapter to fill in section/paragraph #, if necessary. | | |
| | In section R1-1.2, replace 'In a measurement required...' with 'If a measurement required...' Same section, modify the second sentence from '...in the higher sensitivity of SEMI F1...' to '...in the higher sensitivity SEMI F1...' Same section, in the units 10-11 Pa.m ³ /s, '-11' must be superscripted. | | |
| Action | The TC Chapter agreed to do one of the following actions. | | |
| | *No motion is required in this step. | | |
| | <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"/> | Case 1: No vote in this section: To be included and voted on as a group in § VI. <i>Editorial Changes Other than Those Voted on in § V.</i> |
| | | <input checked="" type="checkbox"/> | Case 2: Voted in this section: Original section number and at least one full sentence are required in "FROM" and "TO" fields. |
| | | | |
| | | | |
| Editorial Changes | 1 | FROM: Section/Paragraph R1-1.2 In a measurement required... ...in the higher sensitivity of SEMI F1... | |
| | | TO: Section/Paragraph R1-1.2 If a measurement required... ...in the higher sensitivity SEMI F1... | |
| | | Justification (If necessary) | |
| | 2 | FROM: Section/Paragraph R1-1.2 10-11 Pa·m ³ /s | |
| | | TO: Section/Paragraph R1-1.2 10 ⁻¹¹ Pa·m ³ /s | |
| | | Justification (If necessary) | |
| Motion | | To approve above editorial change(s) | |
| Motion by/2 nd by | | Supika Mashiro (Tokyo Electron) / Hiromichi Enami (i-ZOOM), | |
| Discussion | | None | |

| | |
|------|--------------------------------|
| Vote | 2Y-0 N; Motion <i>passed</i> . |
|------|--------------------------------|

This table is needed for each Comment accompanied a Vote

Commenter 3 (Tsukasa Fukunaga/ INFICON AG) - Comment 3

| | | | | |
|---|---|---|--|--|
| Comment | *TF/TC Chapter to fill in section/paragraph #, if necessary. | | | |
| | § § 9.1 -- Missing links for'§§ 8.4 through 8.6.', which seems to be §§9.3 through 9.5. | | | |
| Action | The TC Chapter agreed to do one of the following actions. | | | |
| | *No motion is required in this step. | | | |
| | <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"/> | Case 1: No vote in this section: To be included and voted on as a group in § VI. <i>Editorial Changes Other than Those Voted on in § V.</i> | |
| | | <input checked="" type="checkbox"/> | Case 2: Voted in this section: Original section number and at least one full sentence are required in "FROM" and "TO" fields. | |
| | Editorial Changes | 1 | FROM: Section/Paragraph 9.1 '§§ 8.4 through 8.6.' | |
| | | | TO: Section/Paragraph 9.1 '§§9.3 through 9.5' | |
| Justification (If necessary) Section reference shifted due to insertion of a section | | | | |
| 2 | | FROM: Section/Paragraph xxx | | |
| | | TO: Section/Paragraph xxx | | |
| | | Justification (If necessary) | | |
| Motion | | To approve above editorial change(s) | | |
| Motion by/2 nd by | | Supika Mashiro (Tokyo Electron) / Hiromichi Enami (i-ZOOM), | | |
| Discussion | | None | | |
| Vote | | 2Y-0 N; Motion <i>passed</i> . | | |

This table is needed for each Comment accompanied a Vote

Commenter 4 (**Mitsuhiro Matsuda/ KOKUSAI ELECTRIC**) - Comment 4

| | | | |
|------------------------------|--|--|--|
| Comment | *TF/TC Chapter to fill in section/paragraph #, if necessary. | | |
| | Comment 1 to Document 6395B Referenced Section/ Paragraph: Background TC Chapter CoChairs are incorrect. You don't have to do any action in this time. But Letter Ballot author and SEMI Standards Staff shall check carefully at the future Letter Ballot. | | |
| Action | The TC Chapter agreed to do one of the following actions. | | |
| | *No motion is required in this step. | | |
| | <input type="checkbox"/> | Already addressed by Commenter #, Comment # | |
| | <input checked="" 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 type="checkbox"/> | Editorial Change | |
| | Options for editorial change (check one) | <input type="checkbox"/> | Case 1: No vote in this section: To be included and voted on as a group in § VI. <i>Editorial Changes Other than Those Voted on in § V.</i> |
| | | <input type="checkbox"/> | Case 2: Voted in this section: Original section number and at least one full sentence are required in "FROM" and "TO" fields. |
| | | <input type="checkbox"/> | |
| | | <input type="checkbox"/> | |
| Editorial 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 | | To approve above editorial change(s) | |
| Motion by/2 nd by | | Name (Company)/Name (Company) | |
| Discussion | | XXXX | |
| Vote | | XX Y-XX N; Motion passed/failed. | |

This table is needed for each Comment accompanied a Vote

V-(ii) Comments Created by Handling Negative None

VI. Editorial Changes Other than Those Voted on in § V None

VII. Approval Conditions Check

VII. - (i). Approval Rate

APPROVAL CONDITION 1: All Negatives have been discussed and were withdrawn, found not related, found not persuasive, or addressed by a technical change. (*Regulations ¶ 9.6.2.1.2*)

APPROVAL CONDITION 2: At least 90% of the sum of valid Voting Interest Accept and Voting Interest Reject Votes must be Accept. (*Regulations ¶ 9.6.2.1.3*)

Note: If both approval conditions are not satisfied, the Document fails.

| | | | | | | | | |
|---------------|---|---------|---|---------------------------------|---|--------|---|-----|
| | | | | | | | | |
| | | Accepts | | (Accepts + Valid Rejects) | | | | |
| Approval Rate | = | 45 | / | 45 | = | 100.0% | ≥ | 90% |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |

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

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

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

VIII. Safety Check

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

| | |
|-------------------------------------|---|
| <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>) |
|-------------------------------------|---|

| | | |
|--------|------------------------------|---|
| Motion | | This is a Safety Document , when all safety-related information is removed, the Document is not technically sound and complete. (<i>Regulations ¶ 8.7.2</i>) |
| | | Safety Checklist (<i>Regulations ¶ 15.3</i>) is complete and has been included with the Document throughout the balloting process. (<i>Regulations ¶ 15.1.2</i>) |
| | Motion by/2 nd by | Supika Mashiro (Tokyo Electron) / Hiromichi Enami (i-ZOOM), |
| | Discussion | None |
| | Vote | 2Y-0 N; Motion <i>passed</i> . |

IX. Intellectual Property (IP) Check

Note: This Letter Ballot may cover all or part of a Standard or Safety Guideline. Regardless of the coverage, this IP check applies to the entire Standard or Safety Guideline*. See *Regulations* § 16 for further information.

| | | | | | |
|---|--|---|--|--|---|
| X | The TC Chapter meeting chair asked those participating, if they were aware of any patented technology that might be relevant (see <i>Regulations</i> ¶ 16.3.1.1) to the Standard or Safety Guideline; or, any copyrighted items or trademarks that are used/reproduced (see <i>Regulations</i> ¶ 16.4.1.2) in the Standard or Safety Guideline. (Also see, <i>Regulations</i> § 8.8) | | | | |
| | X | The question is NOT answered in affirmative (No potentially material patented technology or use/reproduction of copyrighted items/trademarks is known.) | GO TO SECTION X. | | |
| | | The question is answered in affirmative | Is any of the known IPs a patented technology? | Yes, at least one of them is a patented technology | GO TO IX (a) "Patented Technology" subsection |
| | | | | No | GO TO IX (b) "Copyright items" subsection |

IX(a) Patented Technologies subsection

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

| | | | | |
|------------------|---|------------------|--|---|
| # Fill number | (l) Known Patented Technology that might be relevant to the Standard/Safety Guideline | # Fill number | (m) Number of patented technologies first became known to the TC Chapter on or after the day of the issuance of this Letter Ballot | Postpone assessment of such patented technologies to be performed at the next scheduled TC Chapter meeting. |
| | | # Fill number | (n) Number of patented technologies first became known to the TC Chapter before the day of the issuance of this Letter Ballot | GO TO IX (a2) |

IX(a2) Assessment of disclosed patented technologies

| Disclosed patented technology #1 (Brief description, e.g., patent title and number): | | | Date of Assessment (If different from the date of Letter Ballot adjudication) MM/DD/YYYY | | |
|---|--|-----------------------|---|-----|--|
| Is disclosed patented technology #1 found to be "might be material" to the Standard/Safety Guideline? | | YES (It is a PMPT) | Is the use of this PMPT technically justified? | YES | PROCEED to assess NEXT one, or if this is the last one, GO TO IX(a3) |
| | | | | NO | The Document is failed and returned to the TF |
| | | NO | No further action is needed for patented technology #1 | | |

This table is needed for each disclosed patented technology.

IX(a3) LOA status check of PMPT of which inclusion assessed to be justified

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

This table is needed for each PMPT of which inclusion assessed to be justified.

IX(b1) Total numbers of copyrighted items to be dealt with

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

IX(b2) Assessment of disclosed copyrighted items

| Disclosed copyrighted item #1 (Brief description of its use in the Document): | | | | | |
|---|--|-----|---|-----|--|
| Is disclosed copyrighted item #1 used or reproduced in the Standard/Safety Guideline? | | YES | Is the use/reproduction of this copyrighted item technically justified? | YES | PROCEED to assess NEXT one, or if this is the last one, GO TO IX(b3) |
| | | | | NO | The Document is failed and returned to the TF |
| | | NO | No further action is needed for copyrighted item #1 | | |

This table is needed for each disclosed copyrighted item.

IX(b3) Copyright release status check of copyrighted item of which inclusion assessed to be justified

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

| | | | | | |
|--|--|--|--|-----------------------------------|--|
| | | | | Quit activity. | The Document is failed and returned to the TF |
| | | | | Wait for copyright release letter | PROCEED to check NEXT one, or if this is the last one, GO TO IX(c) |
| | | | | Motion by/ 2 nd by | Name (Company)/Name (Company) |
| | | | | Discussion | XXXX |
| | | | | Vote | XX Y-XX N; Motion passed (or failed) |

This table is needed for each copyrighted item of which use/reproduction assessed to be justified.

IX(c) Assessment of disclosed (identified) trademark

| | | | | | |
|--|--|-----|---|-----|---|
| Is there any trademark in the Standard/Safety Guideline? | | YES | Is every instance of trademark use technically justified? | YES | GO TO IX(d) |
| | | | | NO | The Document is failed and returned to the TF |
| | | NO | GO TO IX(d) | | |

IX(d) IP check completion condition check

| | | | |
|---|--|-----|--|
| The co-chair checks if any Patented Technologies first become known to the TC Chapter on or after the day of the issuance of this Letter Ballot? i.e., m>0 in IX(a1) | | YES | Sections IX(a2) and IX(a3) shall be completed and recorded for such patented technologies at next scheduled meeting of the TC Chapter. Until then, the TC Chapter shall NOT go to X (making motion to pass/fail this Document) (see Regulations ¶ 16.4.1.2) Until then this Letter Ballot Review is on hold. |
| | | NO | GO TO X |

X. Action for This Document

| | | |
|-------------------------------|---|--|
| Motion | | 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. |
| | | This Document passed TC Chapter review with technical changes and with or without editorial changes and will be forwarded to the ISC A&R SC for procedural review. A Ratification Ballot will be issued to verify the technical changes. |
| | | This Document failed TC Chapter review and will be returned to the TF for rework. |
| | | This Document failed TC Chapter review and work will be discontinued. |
| Motion by/ 2 nd by | | Supika Mashiro (Tokyo Electron) / Hiromichi Enami (i-ZOOM), |
| Discussion | | None |
| Vote | | 2 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.