

Record of Line-item Letter Ballot Review by TC Chapter for Procedural Review

Region/Locale: [Japan](#)

Global Technical Committee: [Liquid Chemical](#)

TC Chapter Cochairs: [Hiroshi Tomita / Toshiba Memory](#), [Hiroyuki Araki / SCREEN Semiconductor Solutions](#)

Standards staff: [Mizue Iwamura, SEMI Japan](#)

| | Scheduled in Background Statement | Actual |
|----------|------------------------------------------|------------------------------------------|
| Date | 4/23/2018 | 4/23/2018 |
| Location | SEMI Japan, Tokyo, Japan | SEMI Japan, Tokyo, Japan |

[Document Information](#)

I. Document Number, Title, Lists of Line Items

| | |
|------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Document Number 6320 | Document Title Line Item Revision to SEMI C77-0912: TEST METHOD FOR DETERMINING THE COUNTING EFFICIENCY OF LIQUID-BORNE PARTICLE COUNTERS FOR WHICH THE MINIMUM DETECTABLE PARTICLE SIZE IS BETWEEN 30 nm AND 100 nm |
| List of Line Items | Line Item 1 Line Item Title Correct the expressional accuracy in 6.4.1. |
| | Line Item 2 Line Item Title Correct the grammatical mistakes in Figure 1. |
| | Line Item 3 Line Item Title Correct the expression which may be misunderstood in 7.2.4 and Table 1. |
| | Line Item 4 Line Item Title Correct the mistake of the superscript notation and the numerical row in 7.2.4. |
| | Line Item 5 Line Item Title Specify the meaning of CV value in 7.5.3.1 |
| | Line Item 6 Line Item Title Adjust the expression of temperature to the notation of SI unit in 6.2.2 and 6.5.2. |

Line Item 1 Adjudication

II. Tally (Standards staff to fill in)

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

A minimum of 60% of the Voting Interests that have TC Members within the global technical committee that issued the Letter Ballot must return Votes. (Regulations ¶ 9.7.1.1)

Voting Tally:

| Voting Interest: | Returned Votes | | Distribution | | Return Rate | |
|---------------------------|----------------|---|---------------------------|---|-------------|-------|
| Letter Ballot | 55 | ÷ | 83 | = | 66.3% | >=60% |
| Intercommittee Ballot | 31 | | | | | |
| Voting Interest Reject(s) | 0 | | Total Voters with Rejects | | | 0 |
| Voting Interest Accept(s) | 36 | | | | | |
| | | | | | | |

III. Rejects

There are no rejects on Line Item 1 of #6320.

IV. Other Technical Issues

There are no other technical issues on Line Item 1 of #6320.

V. Comments

There are no comments on Line Item 1 of #6320.

V-(ii) Comments Created by handling Negative

There are no comments created by handling negative on Line Item 1 of #6320.

VI. Editorial Changes other than those dealt with in Section V.

There are no editorial changes on Line Item 1 of #6320.

VII. Approval Conditions Check

VII-(i). Approval Rate

APPROVAL CONDITION 1: All Negatives have been discussed and were withdrawn, found not related, found not persuasive, or addressed by a Technical Change. (Regulations ¶ 9.7.1.2)

APPROVAL CONDITION 2: At least 90% of the sum of valid Voting Interest Accept and Voting Interest Reject Votes must be Accept. (Regulations ¶ 9.7.1.3)

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

| | | | | | | | | | |
|---------------|---|---------|---|------------------------------|---|--------|--|-------|--|
| | | | | | | | | | |
| | | Accepts | | (Accepts + Valid Rejects) | | | | | |
| Approval Rate | = | 36 | / | 36 | = | 100.0% | | >=90% | |
| | | | | | | | | | |
| | | | | | | | | | |

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

See § 9.7.2 of the *Regulations* for further information

Line Item 1 meets the Letter Ballot Approval Conditions for the global technical committee

Line Item 1 meets the Letter Ballot Approval Conditions for the TC Chapter and a Ratification Ballot will be issued to verify Technical Changes

Line Item 2 Adjudication

II. Tally (Standards staff to fill in)

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

A minimum of 60% of the Voting Interests that have TC Members within the global technical committee that issued the Letter Ballot must return Votes. (Regulations ¶ 9.7.1.1)

Voting Tally:

| Voting Interest: | Returned Votes | | Distribution | | Return Rate | |
|---------------------------|----------------|---|--------------|---|---------------------------|-------|
| Letter Ballot | 55 | ÷ | 83 | = | 66.3% | >=60% |
| Intercommittee Ballot | 31 | | | | | |
| Voting Interest Reject(s) | 0 | | | | Total Voters with Rejects | 0 |
| Voting Interest Accept(s) | 34 | | | | | |
| | | | | | | |
| | | | | | | |

III. Rejects

There are no rejects on Line Item 2 of #6320.

IV. Other Technical Issues

There are no other technical issues on Line Item 2 of #6320.

V. Comments

There are no comments on Line Item 2 of #6320.

V-(ii) Comments Created by handling Negative

There are no comments created by handling negative on Line Item 2 of #6320.

VI. Editorial Changes other than those dealt with in Section V.

There are no editorial changes on Line Item 2 of #6320.

VII. Approval Conditions Check

VII-(i). Approval Rate

APPROVAL CONDITION 1: All Negatives have been discussed and were withdrawn, found not related, found not persuasive, or addressed by a Technical Change. (Regulations ¶ 9.7.1.2)

APPROVAL CONDITION 2: At least 90% of the sum of valid Voting Interest Accept and Voting Interest Reject Votes must be Accept. (Regulations ¶ 9.7.1.3)

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

| | | | | | | | | | |
|---------------|---|---------|---|------------------------------|---|--------|--|-------|--|
| | | | | | | | | | |
| | | Accepts | | (Accepts + Valid Rejects) | | | | | |
| Approval Rate | = | 34 | / | 34 | = | 100.0% | | >=90% | |
| | | | | | | | | | |
| | | | | | | | | | |

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

See § 9.7.2 of the *Regulations* for further information

Line Item 2 meets the Letter Ballot Approval Conditions for the global technical committee

Line Item 2 meets the Letter Ballot Approval Conditions for the TC Chapter and a Ratification Ballot will be issued to verify Technical Changes

Line Item 3 Adjudication

II. Tally (Standards staff to fill in)

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

A minimum of 60% of the Voting Interests that have TC Members within the global technical committee that issued the Letter Ballot must return Votes. (Regulations ¶ 9.7.1.1)

Voting Tally:

| Voting Interest: | Returned Votes | | Distribution | | Return Rate | |
|---------------------------|----------------|---|--------------|---|---------------------------|-------|
| Letter Ballot | 55 | ÷ | 83 | = | 66.3% | >=60% |
| Intercommittee Ballot | 31 | | | | | |
| Voting Interest Reject(s) | 0 | | | | Total Voters with Rejects | 0 |
| Voting Interest Accept(s) | 35 | | | | | |
| | | | | | | |
| | | | | | | |

III. Rejects

There are no rejects on Line Item 3 of #6320.

IV. Other Technical Issues

There are no other technical issues on Line Item 3 of #6320.

V. Comments

There are no comments on Line Item 3 of #6320.

V-(ii) Comments Created by handling Negative

There are no comments created by handling negative on Line Item 3 of #6320.

VI. Editorial Changes other than those dealt with in Section V.

There are no editorial changes on Line Item 3 of #6320.

VII. Approval Conditions Check

VII-(i). Approval Rate

APPROVAL CONDITION 1: All Negatives have been discussed and were withdrawn, found not related, found not persuasive, or addressed by a Technical Change. (Regulations ¶ 9.7.1.2)

APPROVAL CONDITION 2: At least 90% of the sum of valid Voting Interest Accept and Voting Interest Reject Votes must be Accept. (Regulations ¶ 9.7.1.3)

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

| | | | | | | | | | |
|---------------|---|---------|---|------------------------------|---|--------|--|-------|--|
| | | | | | | | | | |
| | | Accepts | | (Accepts + Valid Rejects) | | | | | |
| Approval Rate | = | 35 | / | 35 | = | 100.0% | | >=90% | |
| | | | | | | | | | |
| | | | | | | | | | |

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

See § 9.7.2 of the *Regulations* for further information

Line Item 3 meets the Letter Ballot Approval Conditions for the global technical committee

Line Item 3 meets the Letter Ballot Approval Conditions for the TC Chapter and a Ratification Ballot will be issued to verify Technical Changes

Line Item 4 Adjudication

II. Tally (Standards staff to fill in)

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

A minimum of 60% of the Voting Interests that have TC Members within the global technical committee that issued the Letter Ballot must return Votes. (Regulations ¶ 9.7.1.1)

Voting Tally:

| Voting Interest: | Returned Votes | | Distribution | | Return Rate | |
|---------------------------|----------------|---|--------------|---|---------------------------|-------|
| Letter Ballot | 55 | ÷ | 83 | = | 66.3% | >=60% |
| Intercommittee Ballot | 31 | | | | | |
| Voting Interest Reject(s) | 0 | | | | Total Voters with Rejects | 0 |
| Voting Interest Accept(s) | 35 | | | | | |
| | | | | | | |
| | | | | | | |

III. Rejects

There are no rejects on Line Item 4 of #6320.

IV. Other Technical Issues

There are no other technical issues on Line Item 4 of #6320.

V. Comments

There are no comments on Line Item 4 of #6320.

V-(ii) Comments Created by handling Negative

There are no comments created by handling negative on Line Item 4 of #6320.

VI. Editorial Changes other than those dealt with in Section V.

There are no editorial changes on Line Item 4 of #6320.

VII. Approval Conditions Check

VII-(i). Approval Rate

APPROVAL CONDITION 1: All Negatives have been discussed and were withdrawn, found not related, found not persuasive, or addressed by a Technical Change. (Regulations ¶ 9.7.1.2)

APPROVAL CONDITION 2: At least 90% of the sum of valid Voting Interest Accept and Voting Interest Reject Votes must be Accept. (Regulations ¶ 9.7.1.3)

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

| | | | | | | | | | |
|---------------|---|---------|---|------------------------------|---|--------|--|-------|--|
| | | | | | | | | | |
| | | Accepts | | (Accepts + Valid Rejects) | | | | | |
| Approval Rate | = | 35 | / | 35 | = | 100.0% | | >=90% | |
| | | | | | | | | | |
| | | | | | | | | | |

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

See § 9.7.2 of the *Regulations* for further information

Line Item 4 meets the Letter Ballot Approval Conditions for the global technical committee

Line Item 4 meets the Letter Ballot Approval Conditions for the TC Chapter and a Ratification Ballot will be issued to verify Technical Changes

Line Item 5 Adjudication

II. Tally (Standards staff to fill in)

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

A minimum of 60% of the Voting Interests that have TC Members within the global technical committee that issued the Letter Ballot must return Votes. (Regulations ¶ 9.7.1.1)

Voting Tally:

| Voting Interest: | Returned Votes | | Distribution | | Return Rate | |
|---------------------------|----------------|---|--------------|---|---------------------------|-------|
| Letter Ballot | 55 | ÷ | 83 | = | 66.3% | >=60% |
| Intercommittee Ballot | 31 | | | | | |
| Voting Interest Reject(s) | 0 | | | | Total Voters with Rejects | 0 |
| Voting Interest Accept(s) | 36 | | | | | |
| | | | | | | |
| | | | | | | |

III. Rejects

There are no rejects on Line Item 5 of #6320.

IV. Other Technical Issues

There are no other technical issues on Line Item 5 of #6320.

V. Comments

There are no comments on Line Item 5 of #6320.

V-(ii) Comments Created by handling Negative

There are no comments created by handling negative on Line Item 5 of #6320.

VI. Editorial Changes other than those dealt with in Section V.

There are no editorial changes on Line Item 5 of #6320.

VII. Approval Conditions Check

VII-(i). Approval Rate

APPROVAL CONDITION 1: All Negatives have been discussed and were withdrawn, found not related, found not persuasive, or addressed by a Technical Change. (Regulations ¶ 9.7.1.2)

APPROVAL CONDITION 2: At least 90% of the sum of valid Voting Interest Accept and Voting Interest Reject Votes must be Accept. (Regulations ¶ 9.7.1.3)

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

| | | | | | | | | | |
|---------------|---|---------|---|------------------------------|---|--------|--|-------|--|
| | | | | | | | | | |
| | | Accepts | | (Accepts + Valid Rejects) | | | | | |
| Approval Rate | = | 36 | / | 36 | = | 100.0% | | >=90% | |
| | | | | | | | | | |
| | | | | | | | | | |

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

See § 9.7.2 of the *Regulations* for further information

Line Item 5 meets the Letter Ballot Approval Conditions for the global technical committee

Line Item 5 meets the Letter Ballot Approval Conditions for the TC Chapter and a Ratification Ballot will be issued to verify Technical Changes

Line Item 6 Adjudication

II. Tally (Standards staff to fill in)

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

A minimum of 60% of the Voting Interests that have TC Members within the global technical committee that issued the Letter Ballot must return Votes. (Regulations ¶ 9.7.1.1)

Voting Tally:

| Voting Interest: | Returned Votes | | Distribution | | Return Rate | |
|---------------------------|----------------|---|--------------|---|---------------------------|-------|
| Letter Ballot | 55 | ÷ | 83 | = | 66.3% | >=60% |
| Intercommittee Ballot | 31 | | | | | |
| Voting Interest Reject(s) | 0 | | | | Total Voters with Rejects | 0 |
| Voting Interest Accept(s) | 34 | | | | | |
| | | | | | | |
| | | | | | | |

III. Rejects

There are no rejects on Line Item 6 of #6320.

IV. Other Technical Issues

There are no other technical issues on Line Item 6 of #6320.

V. Comments

There are no comments on Line Item 6 of #6320.

V-(ii) Comments Created by handling Negative

There are no comments created by handling negative on Line Item 6 of #6320.

VI. Editorial Changes other than those dealt with in Section V.

There are no editorial changes on Line Item 6 of #6320.

VII. Approval Conditions Check

VII-(i). Approval Rate

APPROVAL CONDITION 1: All Negatives have been discussed and were withdrawn, found not related, found not persuasive, or addressed by a Technical Change. (Regulations ¶ 9.7.1.2)

APPROVAL CONDITION 2: At least 90% of the sum of valid Voting Interest Accept and Voting Interest Reject Votes must be Accept. (Regulations ¶ 9.7.1.3)

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

| | | | | | | | | | |
|----------------------|----------|----------------|----------|--------------------------------------|----------|---------------|--|-----------------|--|
| | | | | | | | | | |
| | | Accepts | | (Accepts + Valid Rejects) | | | | | |
| Approval Rate | = | 34 | / | 34 | = | 100.0% | | >=90% | |
| | | | | | | | | | |
| | | | | | | | | | |

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

See § 9.7.2 of the Regulations for further information

Line Item 6 meets the Letter Ballot Approval Conditions for the global technical committee

Line Item 6 meets the Letter Ballot Approval Conditions for the TC Chapter and a Ratification Ballot will be issued to verify Technical Changes

Checks for Entire Document Including All Approved Line Items

VIII. Safety Check

This Safety check applies to the entire Standard or Safety Guideline including all the approved Line Items. See § 15 of the Regulations for further information.

| | | |
|-------------------------|-------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Motion- | <input checked="" type="checkbox"/> | This is not a Safety Document , when all safety-related information is removed, the Document is still technically sound and complete. (<i>Regulations ¶ 8.7.1</i>) |
| | <input type="checkbox"/> | This is a Safety Document , when all safety-related information is removed, the Document is not technically sound and complete. (<i>Regulations ¶ 8.7.2</i>) |
| | <input type="checkbox"/> | Safety Checklist (<i>Regulations ¶ 15.3</i>) is complete and has been included with the Document throughout the balloting process. (<i>Regulations ¶¶ 15.1.2</i>) |
| Motion by/2nd by | | Kaoru Kondo (Rion) / Hiroyuki Araki (SCREEN Semiconductor Solutions) |
| Discussion | | None |
| Vote | | 7-0; Motion passed |

IX. Intellectual Property (IP) Check

Note: This IP check applies to the entire Standard or Safety Guideline including all the approved Line Items. See § 16 of the Regulations for further information.

| | | |
|-------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------|
| <input checked="" type="checkbox"/> | The TC Chapter meeting chair asked those participating, if they were aware of any potentially material patented technology or copyrighted items* in the Standard or Guideline. (<i>Regulations ¶ 8.8.1</i>) | |
| <input checked="" type="checkbox"/> | No potentially material patented technology or reproduction of copyrighted items are known. | GO TO SECTION IX |
| <input type="checkbox"/> | Potentially material patented technology or reproduction of copyrighted items are known, but a Letter of Assurance (LOA) or copyright release letter for such items has been obtained or presented to the TC Chapter. | GO TO SECTION IX |
| <input type="checkbox"/> | Potentially material patented technology or reproduction of copyrighted items are known and use of such materials is technically justified by the TC Chapter, but an LOA or copyright release letter for some of the item(s) has NOT been obtained or presented to the TC Chapter. | |
| MOTION | <input type="checkbox"/> | Ask ISC for special permission to publish. |
| | <input type="checkbox"/> | Quit activity. |
| | <input type="checkbox"/> | Wait for LOA for patented technology or release of copyrighted items. |
| Motion by/2nd by | | Name (Company)/Name (Company) |
| Discussion | | XXXX |
| Vote | | XX-XX |
| Final Action | <input type="checkbox"/> | Motion Passed |
| | <input type="checkbox"/> | Motion Failed |

* Note: Such potentially material patented technology or copyrighted items might have become known since the Standard or Safety Guideline was last reviewed, or might become relevant due to this Letter Ballot.

X. Action for this document

| | | |
|------------------------------------------------------|---------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Motion (Check all applicable items) | <input checked="" type="checkbox"/> | Line item(s) 1, 2, 3, 4, 5 and 6 passed TC Chapter review as balloted and will be forwarded to the A&R for procedural review. |
| | <input type="checkbox"/> | Line item(s) [X], [X] and [X] passed TC Chapter review with editorial changes and will be forwarded to the A&R for procedural review. |
| | <input type="checkbox"/> | Line item(s) [X], [X] and [X] passed TC Chapter review with Technical Changes and with or without editorial changes and will be forwarded to the A&R SC for procedural review. A Ratification Ballot will be issued to verify the Technical Changes. |
| | <input type="checkbox"/> | Line item(s) [X], [X] and [X] failed TC Chapter review and will be returned to the task force for rework. |
| | <input type="checkbox"/> | Line item(s) [X], [X] and [X] failed TC Chapter review and work will be discontinued. |
| Motion by/ 2nd by | Kaoru Kondo (Rion) / Mitsuyoshi Takeshita (PMS Division / Spectris) | |
| Discussion | None. | |
| Vote | 7-0 | |
| Final Action | <input checked="" type="checkbox"/> | Motion passed |
| | <input type="checkbox"/> | Motion failed |

Standards staff to record the result of the A&R procedural review here:

| | | |
|----------------|--------------------------|----------------------------------------------------------------------------------------------|
| A&R | <input type="checkbox"/> | Line item(s) [X], [X] and [X] are approved for publication |
| | <input type="checkbox"/> | Line item(s) [X], [X] and [X] are approved pending for acceptance of the Ratification Ballot |
| | <input type="checkbox"/> | Line item(s) [X], [X] and [X] are Not approved |
| | Reason: | |