

Record of Letter Ballot Review by TC Chapter for Procedural Review

Region/Locale: **North America**
 Global Technical Committee: **Microlithography**
 TC Chapter Cochairs: **Bryan Barnes (NIST)**
 Standards Staff: **Kevin Nguyen**

| | Scheduled in Background Statement | Actual |
|--|-----------------------------------|---------------|
| Date | July 14, 2021 | July 14, 2021 |
| Location | OVTCCM | OVTCCM |
| Reason for Change of Date and/or Location (if changed) | | |

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

I. Document Number and Title

| Document Number | Document Title |
|-----------------|---|
| 6808 | Reapproval of SEMI P40-1109 (Reapproved 0416) Specification for Mounting Requirements for Extreme Ultraviolet Lithography Masks |

II. Tally

Standards staff to fill in.

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

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

Voting Tally:

| Voting Interest: | Returned Votes | | Distribution | | Return Rate | |
|---------------------------|----------------|---|---------------------------|---|-------------|------|
| Letter Ballot | 25 | ÷ | 41 | = | 61.0% | ≥60% |
| Intercommittee Ballot | 40 | | | | | |
| Voting Interest Reject(s) | 0 | | Total Voters with Rejects | | 0 | |
| Voting Interest Accept(s) | 17 | | | | | |

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

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APPROVAL CONDITION 1: All Negatives have been discussed and were withdrawn, found not related, found not persuasive, or addressed by a technical change.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 ¶ 9.7.1.2*)

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 | = | 17 | / | 17 | = | 100.0% | | ≥90% | |
| | | | | | | | | | |
| | | | | | | | | | |

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

Note: See *Regulations § 9.7.2* for further information.

Globally Approved (No Ratification Ballot needed):

The Letter Ballot meets the Letter Ballot approval conditions for the global technical committee.

Need a Ratification Ballot:

The Letter Ballot meets the Letter Ballot approval conditions for the TC Chapter and a Ratification Ballot will be issued to validate technical changes.

VIII. Safety Check

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

| | | |
|------------------------------|---|--|
| Motion | x | 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>) |
| | | 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 | | By: Wesley Erck / Wes Erck & Associates Second: Amanda Bowhill / Mentor, a Siemens Business |
| Discussion | | None |
| Vote | | Y-5 N-0; 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.

| | | | | |
|---|---|--|--|---|
| x | The TC Chapter meeting chair asked those participating, if they were aware of any patented technology that might be relevant (see <i>Regulations ¶¶ 16.3.1.1</i>) to the Standard or Safety Guideline; or, any copyrighted items or trademarks that are used/reproduced (see <i>Regulations ¶¶ 16.4.1.2</i>) in the Standard or Safety Guideline. (Also see, <i>Regulations § 8.8</i>) | | | |
| 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 | | 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 | MOTION | 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 | <input checked="" type="checkbox"/> | This Document passed TC Chapter review as balloted and will be forwarded to the ISC A&R SC for procedural review. |
| | <input type="checkbox"/> | This Document passed TC Chapter review with editorial changes and will be forwarded to the ISC A&R SC for procedural review. |
| | <input type="checkbox"/> | This Document passed TC Chapter review with technical changes and with or without editorial changes and will be forwarded to the ISC A&R SC for procedural review. A Ratification Ballot will be issued to verify the technical changes. |
| | <input type="checkbox"/> | This Document failed TC Chapter review and will be returned to the TF for rework. |
| | <input type="checkbox"/> | This Document failed TC Chapter review and work will be discontinued. |
| Motion by/ 2nd by | By: Harry Levinson / HJL Lithography Second: Amanda Bowhill / Mentor, a Siemens Business | |
| Discussion | None | |
| Vote | Y-5 N-0 | |
| Final Action | <input checked="" type="checkbox"/> | Motion passed |
| | <input type="checkbox"/> | 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.