

Document 6075A

Motions 1-3 for Ratification Ballot (Reject 1, Negative 1)

❑ Motion 1

To find **SEC Reject 1, Negative 1** related & technically persuasive.

(The term 'Fan Out' is/will be removed from PLP Panel and Panel FOUP standards because of a customer's input in 2018 NA fall (refer to the document 6332A). Thus I suggest applying the same change to this document, in section 7.2.)

- Motion by: **Cristina Chu/ASM-NEXX**
- 2nd by: **Ilona Schmidt/Corning**
- Discussion: Reviewed and clarified 7.2.
- Tally: **5** – 0
- **Motion passed.**

- Is a technical change(s) recommended?
 - No, ballot fails.
 - Yes, make sure to list the technical change (“From: ...” and “To: ...”)
- The Task Force recommends a technical change to be made.

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Motions 1-3 for Ratification Ballot (Reject 1, Negative 1)

☐ Motion 2

☐ The TF leader presents the technical change on the next slide.

Does the proposed change(s) address the Negative?

- If Yes; move on to motion and voting.
 - If No; ballot fails
- Motion by: **Bevan/BW&A/ITRI**
 - 2nd by: **Stefan/Intel**
 - Discussion: None
 - Tally: **5-0**
 - **Motion passed.**

Proposed change

SEC Reject 1, Negative 1

BEFORE

7.2 Glass Carrier Wafers or Panels for Fan-Out Processes

7.2.1 Glass carrier wafers or panels are designed to provide support to silicon wafers during the Fan-Out processes. The carrier wafer or panel will be temporarily bonded to the silicon wafer. After the Fan-Out processes are finished, the glass carrier wafer or panel will be removed and may be reused.

AFTER

7.2 Glass Carrier Wafers ~~or Panels~~ for Fan-Out Processes

7.2.1 Glass carrier wafers ~~or panels~~ are designed to provide support to reconstituted ~~silicon~~ wafers during the Fan-Out processes. The carrier wafer ~~or panel~~ will be temporarily bonded to the silicon wafer. After the Fan-Out processes are finished, the glass carrier wafer ~~or panel will~~ may be removed and may be reused.

7.3 Glass Panels for Panel Level Processes

~~7.2.1~~ 7.3.1 Glass panels are designed to provide support to reconstituted wafer or dice during the panel level processes, such as Fan-Out. The glass panel will be temporarily bonded. After the panel level processes are finished, the panel will be removed and may be reused.

~~7.3~~ 7.4 Glass Substrates for 3DS-IC Applications

Motions 1-3 for Ratification Ballot (Reject 1, Negative 1)

❑ Motion 3

Does the members of the TC Chapter agree to incorporate the technical change(s).

- If Yes; move on to motion and voting.
- If No; ballot fails
- Motion by: **Stefan/Intel**
- 2nd by: **Bevan/BW&A**
- Discussion: None
- Tally: **5-0**
- **Motion passed.**

Continue:

- For each Negative
- Or if no more negatives, move to Safety Check

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UAA Comment 2

Motion to find UAA Comment 2 to be a technical change.

Comment:

in 2.4, should the phrase 'but limited to' be 'but not limited to'?

- Motion by: **Cristina/ASM-NEXX**
- 2nd by: **Bevan/BW&A**
- Discussion: None
- Tally: **5-0**
- **Motion passed.**

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Motions 1-3 for Ratification Ballot (Reject 1, Negative 1)

❑ Motion 1

To find **UAA Comment 2** related & technically persuasive.

(in 2.4, should the phrase 'but limited to' be 'but not limited to'?

- Motion by: **Ilona/Corning**
- 2nd by: **Cristina/ASM-NEXX**
- Discussion / None: None
- Tally: **5-0**
- **Motion passed.**

- Is a technical change(s) recommended?
 - No, ballot fails.
 - Yes, make sure to list the technical change (“From: ...” and “To: ...”)
- The Task Force recommends a technical change to be made.

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Motions 1-3 for Ratification Ballot (Reject 1, Negative 1)

☐ Motion 2

☐ The TF leader presents the technical change on the next slide.

Does the proposed change(s) address the Negative?

- If Yes; move on to motion and voting.
- If No; ballot fails
- Motion by: **Ilona/Corning**
- 2nd by: **Bevan/BW&A**
- Discussion / None: None
- Tally: **5-0**
- **Motion passed.**

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Motions 1-3 for Ratification Ballot (Comment 2)

BEFORE

2.4 The glass base material may be processed further to a substrate with openings, such as but limited to through vias and blind vias.

AFTER

2.4 The glass base material may be processed further to a substrate with openings, such as but **not** limited to through vias and blind vias.

Motions 1-3 for Ratification Ballot (Reject 1, Negative 1)

❑ Motion 3

Does the members of the TC Chapter agree to incorporate the technical change(s).

- If Yes; move on to motion and voting.
- If No; ballot fails
- Motion by: **Ilona/Corning**
- 2nd by: **Cristina/ASM-NEXX**
- Discussion / None: None
- Tally: **5-0**
- **Motion passed.**

Continue:

- For each Negative
- Or if no more negatives, move to Safety Check

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UAA Comment 3

Comment 3: In 5.2.1, delete 'glass is' from the definition

The TF requests the TC Chapter to make this editorial change.

FROM:

5.2.1.1 *Glass* —glass is an amorphous solid, which means it has no crystalline structure, and that exhibits a glass transition from a brittle and solid state to a viscous liquid.

TO:

5.2.1.1 *Glass* —~~glass is~~ an amorphous solid, which means it has no crystalline structure, and that exhibits a glass transition from a brittle and solid state to a viscous liquid.

☐ Motion to approve above editorial change(s)

- Motion by: Stefan/Intel
- 2nd by: Ilona/Corning
- Discussion / None: None
- Tally: 5-0
- Motion passed.

Continue:

- To Safety Check
- IP Check
- Action for Document

Safety Check

☐ **This is not a Safety Document**, when all safety-related information is removed, the Document is still technically sound and complete.
(*Regulations* ¶ 8.7.1)

- Motion by: **Bevan/BW&A**
- 2nd by: **Mike/Intel**
- Discussion / None: None
- Tally: 2-0
- **Motion passed.**

IP Check

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

- ☐ The question is NOT answered in affirmative (No potentially material patented technology or use/reproduction of copyrighted items/trademarks is known.) **If no, no motion is needed.**
- ☐ The question is answered in affirmative.
 - **See A&R form for further action.**



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Document

Action for Document Passing TC Review

❑ This Document passed TC Chapter review with technical changes and with 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.

- Motion by: **Ilona/Corning**
- 2nd by: **Cristina/ASM-NEXX**
- Discussion / None: None
- Tally: **5-0**
- **Motion passed.**