

Document 6332A

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

❑ Motion 1

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

(The second sentence of 1.2 is not written to describe the purpose of the Document or explain the purpose.)

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

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

Proposed Changes

Section 1: Purpose

BEFORE

1.2 To permit common processing equipment, standardized panel (largest external) dimensions (whether with or without process carrier) are essential. As this technology has developed, numerous panel sizes are being investigated delaying the introduction of the technology and requiring customization of equipment and processes for each panel size.

AFTER

1.2 To permit common processing equipment, standardized panel (largest external) dimensions (whether with or without process carrier) are essential. ~~As this technology has developed, numerous panel sizes are being investigated delaying the introduction of the technology and requiring customization of equipment and processes for each panel size.~~

1.3 To accelerate the adoption of panel level packaging by eliminating the need to customize equipment and processes for a variety of panel sizes.

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: **Cristina/ASM-NEXX**
- Discussion / None: None
- Tally: **5-0**
- **Motion passed**

Continue:

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

Motions 1-3 for Ratification Ballot (Reject 2, Negative 1)

❑ Motion 1

To find **UAA Reject 2, Negative 1** related & technically persuasive.

(In the requirement of 6.1, change 'will' to 'shall'.)

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

Motions 1-3 for Ratification Ballot (Reject 2, 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: **Cristina/ASM-NEXX**
- 2nd by: **Stefan/Intel**
- Discussion / None: **None**
- Tally: **5-0**
- **Motion passed**

Proposed Changes

Section 6.1: Requirements

BEFORE

6.1 Panel material purchased or fabricated according to this specification will have the largest external dimensions of:

AFTER

6.1 Panel material purchased or fabricated according to this specification shall ~~will~~ have the largest external dimensions of:

Motions 1-3 for Ratification Ballot (Reject 2, 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: **Cristina/ASM-NEXX**
- 2nd by: **Stefan/Intel**
- Discussion / None: **None**
- Tally: **5-0**
- **Motion passed**

Continue:

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

Motions 1-3 for Ratification Ballot (Reject 2, Negative 2)

❑ Motion 1

To find **UAA Reject 2, Negative 2** related & technically persuasive.
(in the requirement of 6.2, change 'is' to 'shall be'.)

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

Motions 1-3 for Ratification Ballot (Reject 2, Negative 2)

❑ 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: **Cristina/ASM-NEXX**
 - 2nd by: **Stefan/Intel**
 - Discussion / None: **None**
 - Tally: **5-0**
 - **Motion passed.**

Proposed Changes

Section 6.2: Requirements

BEFORE

6.2 For conveyor based equipment, the shorter edge of the panel (e.g., 510 mm) if appropriate) is the leading edge.

AFTER

6.2 For conveyor based equipment, the shorter edge of the panel (e.g., 510 mm x 515 mm) ~~if appropriate) is~~ shall be the leading edge. (not applicable to square 600 mm x 600 mm panel).

Motions for Ratification Ballot

❑ 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: **Cristina/ASM-NEXX**
- 2nd by: **Stefan/Intel**
- Discussion / None: **None**
- Tally: **5-0**
- **Motion passed.**

Continue:

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

Motion

UAA Commenter 2, Comment 1

❑ Motion to find UAA Comment #1 to be a negative.

Comment:

C1: the distinction between the definitions in 5.2.2 and 5.2.3 is unclear to me.

- Motion by: Cristina/ASM-NEXX
- 2nd by: Stefan/Intel
- Discussion / None: None
- Tally: 5-0
- Motion passed.

Motion

UAA Commenter 2, Comment 1

❑ Motion 1

To find **UAA, Comment 1** related & technically persuasive.

(C1: the distinction between the definitions in 5.2.2 and 5.2.3 is unclear to me.)

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

Motions 1-3 for Ratification Ballot (Reject 2, Negative 2)

❑ 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: **Cristina/ASM-NEXX**

➤ 2nd by: **Stefan/Intel**

➤ Discussion / None: **None**

➤ Tally: **5-0**

➤ **Motion passed.**

BEFORE

New Standard: SPECIFICATION FOR PANEL SUBSTRATE CHARACTERISTICS FOR PANEL LEVEL PACKAGING (PLP) APPLICATIONS

5 Terminology

5.1 *Abbreviations and Acronyms*

5.1.1 *FO-PLP* — fan-out panel level packaging

5.1.2 *PLP* — panel level packaging

5.2 *Definitions*

5.2.1 *process carrier* — a device or material, usually Si, ceramic, glass, or metal, that provides temporary mechanical support to hold one or more panels during processing.

NOTE 1: In front end applications and most SEMI Standards, the term “carrier” is understood to mean any cassette, box or pod that is used to transport and store substrates. In most back end or packaging applications, the same term “carrier” is used to describe

the material that provides temporary mechanical support for the substrate during processing. To minimize confusion, the term “process carrier” is used in this Standard for the back-end application.

5.2.2 *panel* — the rectangular base material to implement panel level packaging processes.

5.2.3 *panel substrate* — the rectangular starting material (often epoxy or glass) that can be used to implement panel level packaging processes.

5.2.4 *PLP substrate* — an alternative definition of ¶ 5.2.3.

5.2.5 *PLP substrate carrier* — an alternative definition of ¶ 5.2.1.

AFTER

New Standard: SPECIFICATION FOR PANEL ~~SUBSTRATE~~ CHARACTERISTICS FOR PANEL LEVEL PACKAGING (PLP) APPLICATIONS

5 Terminology

5.1 Abbreviations and Acronyms

~~5.1.1 FO-PLP — fan-out panel level packaging~~

~~5.1.2~~ 5.1.1 PLP — panel level packaging

5.2 Definitions

5.2.1 *process carrier* — a device or material, usually Si, ceramic, glass, or metal, that provides temporary mechanical support to hold one or more panels during processing.

NOTE 1: In front end applications and most SEMI Standards, the term “carrier” is understood to mean any cassette, box or pod that is used to transport and store substrates. In most back end or packaging applications, the same term “carrier” is used to describe

the material that provides temporary mechanical support for the substrate during processing. To minimize confusion, the term “process carrier” is used in this Standard for the back-end application.

5.2.2 *panel* — the rectangular base material to implement panel level packaging processes.

~~5.2.3 *panel substrate* — the rectangular starting material (often epoxy or glass) that can be used to implement panel level packaging processes.~~

~~5.2.4 *PLP substrate* — an alternative definition of ¶ 5.2.3.~~

~~5.2.5 *PLP substrate carrier* — an alternative definition of ¶ 5.2.1.~~

Motions for Ratification Ballot

❑ 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: **Cristina/ASM-NEXX**
- 2nd by: **Stefan/Intel**
- Discussion / None: **None**
- Tally: **5-0**
- **Motion passed.**

Continue to:

- Safety Check
- IP Check
- Action for Document
Passing TC Review

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: **Cristina/ASM-NEXX**
- 2nd by: **Stefan/Intel**
- Discussion / None: **None**
- Tally: **5-0**
- **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)

X The question is NOT answered in affirmative (No potentially material patented technology or use/reproduction of copyrighted items/trademarks is known.) **No motion needed**

☐ The question is answered in affirmative.

- **See A&R form for further action.**



Microsoft Word
Document

Action for Document Passing TC 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.

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