

**Ballot Results
 Inspection & Metrology Task Force
 3D Packaging & Integration Cycle 06-2019**

- 1. Doc. 6557: Reapproval of SEMI 3D11-1214, Terminology for Through Glass Via and Blind Via in Glass Geometrical Metrology**

1	
As Cast Ballot Tally Summary For Document 6557	
Return Percentage: 61.54%	TC Voting Interest Returns: 56
	TC Voting Interest Distribution: 91
Total Voting Interests/Votes Received: 97/126	
Number of Accepts: 45	Number of Rejects: 0
Accept %: 100.00%	
Total Comments: 0	Total Rejects: 0
<i>Comment Issuer(s):</i>	<i>Reject Issuer(s):</i>

- 2. Doc. 6558: Reapproval of SEMI 3D12-0315, Guide for Measuring Flatness and Shape of Low Stiffness Wafers**

2	
As Cast Ballot Tally Summary For Document 6558	
Return Percentage: 61.54%	TC Voting Interest Returns: 56
	TC Voting Interest Distribution: 91
Total Voting Interests/Votes Received: 97/126	
Number of Accepts: 46	Number of Rejects: 1
Accept %: 97.87%	
Total Comments: 1	Total Rejects: 1
<i>Comment Issuer(s):</i> <i>Lee, Li-Heng (ITRI)</i>	<i>Reject Issuer(s):</i> <i>Wagner, Peter (PWC)</i>

Accept Comments
Lee, Li-Heng (ITRI)

5.3.6 and 5.3.9 may need more clear definition, e.g. a graphic depiction

*Reject
Wagner, Peter (PWC)*

Negatives:

1. §§ 5.2.2, 5.2.4-5.2.6: Why are these acronyms defined here? They are already defined in SEMI M59, which is referenced in § 5.1.
2. § 5.3.1: This is superfluous, “aspect ratio” is already defined in COT. The document also should have a reference to COT.
3. §5.3.1.1: Again superfluous, it is an explanation not a definition.
4. § 5.3.2: This is not a definition of the CWS, it is an explanation of a measuring method.
5. §5.3.3: What is an “incomplete surface”? Why is this definition of “coplanarity” needed? In section 5.2 metrics for flatness are already introduced.
6. §§ 5.3.4 and 5.3.5: These are general terms and do not need to be defined here.
7. § 5.3.7: Which scan is meant here?
8. § 5.3.8: This is not a definition of the term, it is a description of a measurement technique.
9. § 5.3.11: I do not think that this term needs to be defined here. In its general meaning it is much more than a method for measuring a surface. Anyhow, the second sentence has to be removed. It is an explanation and not a definition.
10. § 5.3.13: How can a “wire grid” be a “mounting surface”? What is a “precise” monofilament?

Comments:

1. §1.3, first sentence: Is “these wafers are then extremely low stiffness” grammatically correct?

TF will fail the document on Negative #5 because the TF agreed that “incomplete surface” needs to be defined. This is a technical change. The TF will fail the document, abolish SNARF 6558, reissue new SNARF for Line Item ballot to fix these changes.