

STANDARDS NEW ACTIVITY REPORT FORM (SNARF)

Date Prepare	ed: May 4, 2023	Revised (if Applicable):
SNARF for:		15 (Reapproved 0222), Guide for Metrology for Measuring s Variation (TTV), Bow, Warp/Sori, and Flatness of Bonded
Originating	Global Technical Commit	tee: 3D Packaging & Integration (3DP&I)
Originating	TC Chapter: North America	a
Task Force	(TF) in which work is to be	e carried out: 3DP&I Inspection and Metrology
Submitted b	by: Steve Martell	Company: Nordson SONOSCAN
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Refer to <i>Proc</i>		ore information on properly filling out the SNARF.
Document is imp	olemented.) previously had a PCR to fix	NOTE 1 and failed. This ballot is to remove NOTE 1 and make appliance with SEMI Regulations, Procedure Manual, and Style
	ffect on industry. Check one fect on entire industry or on i	of the following: multiple important industry sectors
-	relevant sectors:	
-	fect on an industry sector relevant sector:	
	fect on a few companies relevant companies:	
☑ 4: Slight e	effect or effect not determinat	ole
🗹 I: No Diffic	culty – Proven concepts and	ity. Check one of the following: techniques exist or quick agreement is anticipated known requirements exist, but developing consensus is possible
□ III: Difficult	t – Limited expertise and reso	ources exist and/or achieving consensus is difficult
☐ IV: Extreme	ely Difficult – Expertise and r	esources are scarce and/or achieving consensus is very difficult
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2. Scope:

a: Describe the technical areas to be covered or addressed by this Document development activity.

(For Subordinate Standards, list common concepts or criteria that the Subordinate Standard inherits from the Primary Standard, as well as differences from the Primary Standard.)

Revise throughout to bring the document to compliance with SEMI *Regulations*, *Procedure Manual*, and *Style Manual*.

Additional improvements throughout as required.

b: Expected result of activity	
\square New Standard or Safety Guideline (including	$\hfill \square$ Line-item revision to two or more existing Standards
replacement of an existing Standard or Safety	or Safety Guidelines
Guideline)	\square Reapproval of a Standard or Safety Guideline
☐ New Subordinate Standard to an existing Standard or to a new Primary Standard to be developed concurrently	☐ Removal of a Standard or Safety Guideline
with this new Subordinate Standard	$\hfill\square$ Withdrawal of a Standard or Safety Guideline
□ New Preliminary Standard	☐ Reinstatement of a Standard or Safety Guideline
☑ Major revision to an existing Standard or Safety	☐ Publication of an existing Standard or Safety
Guideline	Guideline as an American National Standard
$\hfill \Box$ Line-item revision to an existing Standard or Safety	☐ New Auxiliary Information
Guideline	\square Modification of existing Auxiliary Information
For a new Subordinate Standard, identify the Primary S	Standard here:
For revision of existing Standard(s) or Safety Guideline(s), be revised here: SEMI 3D4, and identify which par	identify the Standard(s) or Safety Guideline(s) that are to ts of the Standard(s) or Safety Guideline(s) that are to be
revised. (Check all that apply.)	
☑ Modification of an existing part of Standard(s) or S Complementary Files, and Supplementary Materials	afety Guideline(s) including Appendices,
$\hfill \square$ Addition of one or more Appendices or Complemen	tary Files to an existing Standard or Safety Guideline
$\hfill \square$ Addition of one or more Related Information section Guideline	s or Various Materials to an existing Standard or Safety
$\ \square$ Revision or addition of one or more Subordinate St	andards to an existing Primary Standard

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For Standards, identify the Standard Subtype below	w:
☐ Classification	☑ Guide
□ Practice	☐ Specification
☐ Test Method	☐ Terminology
☐ Miscellaneous (describe:)	
3. Projected Timetable for Completion:	
a: General Milestones	
a. Activity Start: May 2023	b. 1st Draft by: May 2023
c. (Optional) Informational Ballot by:	d. Letter Ballot by: June 2023
e: TC Chapter Approval By: July 2023	_
	_
4. Liaisons:	
a: List SEMI Global Technical Committees, TC Chapters, Regions/Locales that should be kept informed regarding (Refer to SEMI Standards organization charts and global technical bits List any planned Type I Liaisons with external nonproducements from Standards staff for feedback during the issued (refer to Procedure Manual § 7).	the progress of this activity. chnical committee charters and scopes as needed.) offit organizations (e.g., SDO) that should receive Draft
c: Intercommittee Ballots (check one): ✓ will be issued – identify the recipient global technica	ul committee(s): Silicon Wafer
□ will not be issued	
5. Safety Considerations:	
The resulting Document is expected (Check one): ☐ to be a Safety Guideline	
☑ NOT to be a Safety Guideline	
NOTE FOR 'to be a Safety Guideline': When all safety-related infor technically sound and complete – Refer to § 15.1 of the <i>Regulation</i> . NOTE FOR 'NOT to be a Safety Guideline': When all safety-related technically sound and complete.	s for special procedures to be followed.
6. Intellectual Property Considerations:	
a: For a new Standard or Safety Guideline and for any pastandards and Safety Guidelines (Check one): ✓ the use of patented technology is NOT required. □ patented technology is intended to be included in t	
(If the second box is checked, check one):	The second community of the second community of

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 □ Letter of Intent received □ Letter of Intent not received b: For Revision, Reapproval, Reinstatement, or Withdrawal of existing Standard(s) and Safety Guideline(s) (Check one): ✓ there is no known material patented technology necessary to use or implement the Standard(s) and Safety Guideline(s) □ there is previously known material patented technology necessary to use or implement the Standard(s) and Safety Guideline(s)
c: The body of the Document and any Appendices, Complementary Files, Related Information sections, or Various Materials that may or may not be a part of the Document by reference (Check one):
□ will incorporate Copyrighted Item
the incorporation of Copyrighted Item will NOT be required
NOTE FOR 'the use of patented technology or the incorporation of Copyrighted Item(s) is NOT required': If in the course of developing the Document, it is determined that the use of patented technology or Copyrighted Item(s) is necessary for the
Document, the provisions of <i>Regulations</i> § 16 must be followed. NOTE FOR 'will incorporate Copyrighted Item': A copyright release letter must be obtained from the copyright owner prior to publication.
7. Comments, Special Circumstances:
8. TC Member Review (Check one):
□ took place between (<i>put dates here:</i> MM/DD/YYYY and MM/DD/YYYY) before approval at the TC Chapter Meeting, or
▼ took place between (<i>put dates here:</i> 05/12/2023 and 05/26/2023) before approval by the GCS, or
is not required for this SNARF. NOTE FOR 'TC Member Review': A TC Member Review is required by the <i>Regulations</i> for a period of at least two weeks before approval of a new, or a major revision of an existing, Standard or Safety Guideline. (Refer to <i>Regulations</i> ¶ 8.2.1)
9. Approval Dates: TC Chapter or GCS: Recorded in TC Chapter Minutes:

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