

Procedural Review Voting Sheet 2014 Cycle 5

REGION: Japan
COMMITTEE: Micropatterning Japan TC Chapter
EVENT: Japan Standards Fall Meetings 2014
DATE OF MEETING: 2014/10/8
PLACE OF MEETING: SEMI Japan Office, Tokyo
COMMITTEE CO-CHAIRS: Morihisa Houga, Dainippon Printing
SEMI STAFF: Naoko Tejima

A&R Voter: Name/Company
Date: 200X/MM/DD

I. Document Number & Title

Document 5229	Document Title Revision to SEMI P44-0211, Specification for Open Artwork System Interchange Standard (OASIS) Specific to Mask Tools
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II. Tally (Staff to fill in)

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

A minimum of 60% of the voting interests that have voting members within the technical committee must return votes. (Regulations ¶ 9.6.1)

	Return		Distribution		Return Rate	
Yellow	30	÷	49	=	61.2%	>=60%
Lilac & Others	29					
Total Vote	59					
Reject	0					
Accept	22					

A&R		Not approved
		Reason:

III. Rejects

None

IV. Comments

Comment 1-1

Comment	Referenced Section	*TF/Committee to fill in if necessary	
	From	Bhardwaj Durvasula, Mentor Graphics	
	Comment	Not all instances of 'should' have been replaced with 'must'. I do not know if this is intentional.	
	Discussion	No change is necessary. This comment is discussed in Comment 2.	
Action proposed	x	The committee agreed to do one of the following actions.	
		*No motion is required in this step.	
		x	No further action was taken by the committee.
			Refer to the task force for more consideration.
		New Business	
		Other	
	Editorial Change		
	Action proposed		Case 1: No vote in this section :
			To be included and voted on in <u>4. Summary of Editorial Changes</u>.
			Case 2: Voted in this section :
			Original section number and at least one full sentence are required in “FROM” and “TO” fields.
		1	FROM: Section xxx
			To: Section xxx
Justification (If necessary)			
2		FROM: Section xxx	
	To: Section xxx		
	Justification (If necessary)		
Motion by/2nd	Name (Company)/ Name (Company)		
Vote	XX-XX Motion passed		
A&R		Not approved	
		Reason:	

Comment 1-2

Comment	Referenced Section	*TF/Committee to fill in if necessary		
	From	Bhardwaj Durvasula, Mentor Graphics		
	Comment	Section 6.3.2.10.1 of 5229.pdf revision has a typo: 'OASAIS.MASK' should be 'OASIS.MASK'		
	Discussion	Editorial correction		
Action proposed	x	The committee agreed to do one of the following actions.		
		*No motion is required in this step.		
		<input type="checkbox"/>	No further action was taken by the committee.	
		<input type="checkbox"/>	Refer to the task force for more consideration.	
		<input type="checkbox"/>	New Business	
	<input type="checkbox"/>	Other		
	Editorial Change			
	Action proposed		Case 1: No vote in this section :	
			To be included and voted on in <u>4. Summary of Editorial Changes</u>.	
		x	Case 2: Voted in this section :	
			Original section number and at least one full sentence are required in “FROM” and “TO” fields.	
1		FROM: Section 6.3.2.10.1 'OAS A IS.MASK'		
		To: Section 6.3.2.10.1 'OAS A IS.MASK'		
	Justification Error correction			
2	FROM: Section xxx			
	To: Section xxx			
	Justification (if necessary)			
Motion by/2nd	Toshio Suzuki (Dai Nippon Printing) / Masao Otaki (-)			
Vote	2-0 Motion passed			
A&R	Not approved			
	Reason:			

Comment 2

Comment	Referenced Section	*TF/Committee to fill in if necessary
	From	Harry Dole, Synopsys / Bala Thumma, Synopsys
	Comment	<p>The specification has two main problems. They must be fixed ASAP. I am approving this specification under the assumption that they will be corrected soon. The issues are the following:</p> <p>1. There is one inconsistency between the description of the P44_LOCALIZATION property (6.3.2.10.1) and the example provided in Appendix 1 in what regards to <localized-cell-volume>. The appendix has the expected value, so the wording on section 6.3.2.10.1 must be corrected from “Furthermore, it declares the aggregate volume (bytes) for all localized and common cells” to something like “Furthermore, it declares the maximum volume (bytes) across all localized areas and common cells”</p> <p>The current definition found on 6.3.2.10.1 for <localized-cell-volume> as an aggregate is suspicious given that it is not aligned with the one associated to <localization-width> and <localization-height> that are not aggregates. The example included in the appendix has the expected meaning (see Record Serial Number 12, for P44_LOCALIZATION property): <localized-cell-volume> has the value: O(57)-O(32) which is the biggest cell volume of the two localization areas present in the file. It is not an aggregate but the maximum cell volume of any localization area.</p> <p>2. All the corrections suggested by Juan Canepa and approved informally in the working group meetings were not incorporated in the current spec. This document is attached for further review.</p>
	Discussion	Editorial changes and corrections are needed.
Action proposed	<input checked="" type="checkbox"/>	The committee agreed to do one of the following actions.
		*No motion is required in this step.
	<input type="checkbox"/>	No further action was taken by the committee.
	<input type="checkbox"/>	Refer to the task force for more consideration.
	<input type="checkbox"/>	New Business
	<input type="checkbox"/>	Other
	Editorial Change	
<input type="checkbox"/>	Case 1: No vote in this section :	
	To be included and voted on in <u>4. Summary of Editorial Changes.</u>	
<input checked="" type="checkbox"/>	Case 2: Voted in this section :	
	Original section number and at least one full sentence are required in “FROM” and “TO” fields.	

1	<p>FROM: Section 6.3.2.10.1 This property declares the largest bounding width and height discovered across all localized areas. Furthermore, it declares the aggregate volume (bytes) for all localized and common cells, the number of localized areas and the byte-offset from the beginning of the OASIS.MASK file (byte 0) to the CELLNAME or CBLOCK record of the top cell. Its value list consists of the following six fields:</p> <p>To: Section 6.3.2.10.1 This property declares the largest bounding width and the largest bounding height discovered across all localized areas. Each can be from different localization areas. Furthermore, it declares the aggregate volume (bytes) for all localized and common cells, this property declares the largest discovered localized area cell volume (bytes), the cell volume for localized common cells, the number of localized areas and the byte-offset from the beginning of the OASIS.MASK file (byte 0) to the CELLNAME or CBLOCK record of the top cell. Its value list consists of the following six fields:</p> <p>Justification Sentences added for clarification. No technical change is included. Addition of notes is editorial</p>
2	<p>FROM: Section 6.3.2.2.2 The absence of a P44_FORMAT property in an OASIS.MASK file must be treated as a fatal error. A value of the format type which is not "1", should also be treated as a fatal error.</p> <p>To: Section 6.3.2.2.2 The absence of a P44_FORMAT property in an OASIS.MASK file must be treated as a fatal error. A value of the format type which is not "1", should must also be treated as a fatal error.</p> <p>Justification Editorial correction</p>
3	<p>FROM: Section 6.3.2.3.2 The absence of a P44_CHIP_WINDOW property in an OASIS.MASK file should be treated as a fatal error. A value of <x2> which is not larger than <x1>, must be treated as a fatal error. A value of <y2> which is not larger than <y1>, must also be treated as a fatal error. A geometric figure outside the window defined by this property should be treated as a fatal error.</p> <p>To: Section 6.3.2.3.2, The absence of a P44_CHIP_WINDOW property in an OASIS.MASK file should must be treated as a fatal error. A value of <x2> which is not larger than <x1>, must be treated as a fatal error. A value of <y2> which is not larger than <y1>, must also be treated as a fatal error. A geometric figure outside the window defined by this property should must be treated as a fatal error.</p> <p>Justification Editorial correction</p>
4	<p>FROM: Section 6.3.2.4.2 A value of the version which is not "2.0", should also also be treated as a fatal error.</p> <p>To: Section 6.3.2.4.2 A value of the version which is not "2.0", should must also also be treated as a fatal error.</p> <p>Justification Editorial correction</p>
5	<p>FROM: Section 6.3.2.6.2 The absence of a P44_TOP_CELL_NUMBER property in an OASIS.MASK file should be treated as a fatal error.</p>

	<p>To: Section 6.3.2.6.2 The absence of a P44_TOP_CELL_NUMBER property in an OASIS.MASK file should must be treated as a fatal error</p>
	<p>Justification Editorial correction</p>
6	<p>FROM: Section 6.3.2.10.2 If CBLOCK is used for CELLNAME records in a localized OASIS.MASK file, the CELLNAME record of the top cell and the other CELLNAME records should not be compressed in the same CBLOCK record so that the value of the <topcellname-offset> field can be defined.</p>
	<p>To: Section 6.3.2.10.2 If CBLOCK is used for CELLNAME records in a localized OASIS.MASK file, the CELLNAME record of the top cell and the other CELLNAME records should must not be compressed in the same CBLOCK record so that the value of the <topcellname-offset> field can be defined.</p>
	<p>Justification Editorial correction</p>
7	<p>From: 6.3.2.4.2 The absence of a P44_VERSION property in an OASIS.MASK file must also be treated as a fatal error. A value of the version which is not "2.0", should also also be treated as a fatal error.</p>
	<p>To: End of Section 6.3.2.4.2, add one sentence The absence of a P44_VERSION property in an OASIS.MASK file must also be treated as a fatal error. A value of the version which is not "2.0", should also also be treated as a fatal error. The absence of a P44_LOCALIZATION_AREA property for each localization area must be treated as a fatal error when an OASIS.MASK file is localized.</p>
	<p>Justification Error correction & Sentence added for clarification.</p>
8	<p>From: 6.3.3.5.7 It is a fatal error if the bounding box, the byte offset and the data volume defined by this property do not match their values in the OASIS.MASK file.</p>
	<p>To: End of Section 6.3.3.5.7, add one sentence It is a fatal error if the bounding box, the byte offset and the data volume defined by this property do not match their values in the OASIS.MASK file. The absence of a P44_COMMON_CELL property must be treated as a fatal error when an OASIS.MASK file is localized and a common cell is placed in the file.</p>
	<p>Justification Sentence added for clarification.</p>
9	<p>FROM: Section 6.3.3.3.1 This property declares the byte offset from the beginning of the corresponding CELL record to the first geometry record or the CBLOCK record to which geometry records are stored in the cell. In case that this property is present, all PLACEMENT records in each cell are gathered and appear before geometry records (RECTANGLE/TRAPEZOID/CTRAPEZOID). If the CBLOCK record is used for the CELL record with this property, then a single CBLOCK record cannot contain the PLACEMENT records and geometry records together.</p>

	<p>To: Section 6.3.3.3.1 This property declares the byte offset from the beginning of the corresponding CELL record to the first geometry record, the first TEXT record, or the CBLOCK record to which geometry and TEXT records are stored in the cell. In case that this property is present, all PLACEMENT records in each cell are gathered and appear before geometry records (RECTANGLE/TRAPEZOID/CTRAPEZOID) and TEXT records. If the CBLOCK record is used for the CELL record with this property, then a single CBLOCK record cannot contain the PLACEMENT records and with geometry records and TEXT records together.</p>
	<p>Justification Words added for clarification</p>
10	<p>FROM: Section 6.3.3.3.5 EXCEPTION HANDLING — It is a fatal error if the byte offset defined by this property does not indicate the first geometry record or the CBLOCK record to which geometry record are stored.</p> <p>To: Section 6.3.3.3.5 EXCEPTION HANDLING — It is a fatal error if the byte offset defined by this property does not indicate the first geometry record, the first TEXT record, or the CBLOCK record to which geometry record are stored.</p>
	<p>Justification Words added for clarification</p>
11	<p>FROM: Table 5, No.3 1) All PLACEMENT records in each cell are gathered and appear before geometry records (RECTANGLE/TRAPEZOID/CTRAPEZOID). 2) When a CBLOCK record is used for a CELL record, a single CBLOCK record cannot contain both PLACEMENT records and with geometry records.</p> <p>To: Table 5, No.3 1) All PLACEMENT records in each cell are gathered and appear before geometry records (RECTANGLE/TRAPEZOID/CTRAPEZOID) and TEXT records. 2) When a CBLOCK record is used for a CELL record, a single CBLOCK record cannot contain both PLACEMENT records and with geometry records and TEXT records.</p>
	<p>Justification Words added for clarification</p>
Motion by/2nd	Toshio Suzuki (Dai Nippon Printing) / Masao Otaki (-)
Vote	2-0 Motion passed
A&R	Not approved
	Reason:

V. Summary of Editorial Changes

Note: Original section number and at least one full sentence are required in “FROM” and “TO” fields.

1	FROM: Section 6.3.2.2.1 This property declares the format type of mask restrictions.
	TO: Section 6.3.2.2.1 This property declares the format type indicating the levels of mask restrictions.
	Justification Words added for clarification
2	FROM: Section 6.3.2.4.1 Its value consists of a single a-string (or implied a-string) record. The value is “2.0” with this specification.
	TO: Section 6.3.2.4.1 Its value consists of a single a-string (or implied a-string) representing the SEMI standard number of this specification in the form of P44-MMY .
	Justification Version number change for clarification. “MMYY” is the designation number of SEMI Standards.
3	FROM: Section 6.3.2.4.2 The absence of a P44_VERSION property in an OASIS.MASK file must also be treated as a fatal error. A value of the version which is not “2.0” , should also also be treated as a fatal error.
	TO: Section 6.3.2.4.2 The absence of a P44_VERSION property in an OASIS.MASK file must also be treated as a fatal error. A value of the version which is not “the form of P44-MMY” , should also also be treated as a fatal error.
	Justification Version number change for clarification. “MMYY” is the designation number of SEMI Standards.
4	FROM: Section 6.3.3.4.3 Cell-offset and cell-volume is zero where there is no placement of localized cells (but placements of common cells) in the localization area.
	TO: Section 6.3.3.4.3 Cell-offset and cell-volume is are zero where there is no placement of localized cells (but placements of common cells) in the localization area.
	Justification Grammatical error correction
5	FROM: Section 6.3.3.4.4 Cellname-offset and cellname-volume is zero where there is no placement of localized cells (but placements of common cells) in the localization area.
	TO: Section 6.3.3.4.4 Cellname-offset and cellname-volume is are zero where there is no placement of localized cells (but placements of common cells) in the localization area.
	Justification Grammatical error correction
6	FROM: Table 2, No.20 Propriety of reference-number field: 'A'
	TO: Table 2, No.20 Propriety of reference-number field: -A' 'M'
	Justification Error correction
7	FROM: Table 3, No.2 Comment of Flags: Fixed to 000 (except a empty cell) Fixed to 010 (empty cell) Restriction Item: Lower-left-x, Lower-left-y Width and Height (except a top cell) Width and Height (top cell)

	<p>TO: Table 3, No.2 Comment of Flags: Fixed to 000 (except a empty cell) for all non-empty cells. Fixed to 010 (empty cell) for an empty top cell. Restriction Item: Lower-left-x, Lower-left-y Note: The lower-left corner max can cause PLACEMENT and figure records to exceed bounding box width and height max. Suggest keeping 'Coordinate value as the max and min restriction. This will include the upper-right coordinates which define the outer limits of S_BOUNDING_BOX. Width and Height (except a the top cell) Width and Height (top cell) Note: See above note</p>
	<p>Justification Word change and addition for clarification</p>
8	<p>FROM: Table 4, No.3 Comment: Fixed to 2.0</p>
	<p>TO: Table 4, No.3 Comment: Fixed to 2.0 P44-MMY</p>
	<p>Justification Version number change for clarification. "MMYY" is the designation number of SEMI Standards.</p>
9	<p>FROM: Table 4, No.13 Restriction Item: Placement record count Minimum of Placement Count: 1 Comment: This property must be defined when an OASIS.MASK file is localized.</p>
	<p>TO: Table 4, No.13 Restriction Item: Placement record count Note: Any empty top cell has no (0) PLACEMENT records. Therefore the restriction minimum should be zero (0) Minimum of Placement Count: 0 Comment: This property must be defined when an OASIS.MASK file is localized. PLACEMENT record minimum is 1 except for the top cell which is 0 when the top cell is empty.</p>
	<p>Justification Note addition for clarification</p>
10	<p>FROM: Appendix 1 SAMPLE OASIS.MASK FILE Record Serial Number 1: cellname-offset=O(59) Record Serial Number 6: property-value={type=10, value="2.0"} Record Serial Number 10: prop-info-byte={UUUU=6, V=0, C=1, N=1, S=0}, Record Serial Number 12: property-value={type=8, value=2000000}, {type=8, value=2000000} Record Serial Number 56: height=16000, Record Serial Number 83: x=-500000,</p>
	<p>TO: Appendix 1 Record Serial Number 1: cellname-offset=O(59 89) Record Serial Number 6: property-value={type=10, value="2.0 P44-MMY"} Record Serial Number 10: prop-info-byte={UUUU=6 3, V=0, C=1, N=1, S=0}, Record Serial Number 12: property-value={type=8, value=2000000 1510000}, {type=8, value=2000000 990000} Record Serial Number 56: height=16000 160000, Record Serial Number 83: x=-500000 -400000,</p>
	<p>Justification Error correction</p>
Motion	To approve the above editorial changes
Motion by/2nd by	Toshio Suzuki (Dai Nippon Printing) / Masao Otaki (-)
Discussion	None
Vote	2-0 Motion passed

VIII. Intellectual Property Check

Note: This ballot may be all or part of a Standard or Safety Guideline. This IP check applies to the entire Standard or Safety Guideline. See § 15 of the Regulations for further information

X	The meeting chair asked those present in person or by electronic link, if they were aware of any potentially material patented technology or copyrighted items* in the Standard or Guideline.	
X	No potentially material patented technology or copyrighted items are known	GO TO SECTION IX
	Potentially material patented technology or copyrighted items are known but a Letter of Assurance (LOA) or copyright release for such material has been obtained or presented to the committee.	GO TO SECTION IX
	Potentially material patented technology or copyrighted items are known but an LOA or copyright release for some of the material(s) has NOT been obtained or presented to the committee	
MOTION		Ask ISC for special permission to publish
		Quit activity
		Wait for LOA for patented technology or release of copyrighted items.
Motion by/2nd by		Name (Company)/ Name (Company)
Discussion		XXXX
Vote		XX-XX
Final Action		<input type="checkbox"/> Motion Passed
		<input type="checkbox"/> Motion Failed
A&R	<input type="checkbox"/>	Not approved
		Reason:

* Note: Such potentially material patented technology or copyrighted items might have become known since the Standard or Safety Guideline was last reviewed, or might become relevant due to this ballot.

IX. Action for this document

Motion		This document passed committee review as balloted and will be forwarded to the A&R for procedural review.
	X	This document passed committee review with editorial changes and will be forwarded to the A&R for procedural review.
		This document failed committee review and will be returned to the task force for rework.
		This document failed committee review and work will be discontinued.
Motion by/2nd by		Toshio Suzuki (Dai Nippon Printing) / Masao Otaki (-)
Discussion		None
Vote		2 -0 Motion passed
Final Action		<input checked="" type="checkbox"/> Motion passed
		<input type="checkbox"/> Motion failed
A&R	<input type="checkbox"/>	Approved
	<input type="checkbox"/>	Not approved
		Reason: