Procedural Review Voting Sheet
2014 Cycle 3

REGION: Japan
COMMITTEE: Information and Control Committee
EVENT: Japan Standards Summer 2014
DATE OF MEETING: 2014/06/20
PLACE OF MEETING: SEMI Japan, Tokyo
COMMITTEE CO-CHAIRS: Takayuki Nishimura/Dainippon Screen MFG., Mitsuhiro Matsuda/Hitachi Kokusai Electric
SEMI STAFF: Chie Yanagisawa

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

I. Document Number & Title

Document 5486A	New Standard: Specification for Predictive Carrier Logistics (PCL)

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	50	÷	82	=	61.0%	>=60%
Lilac & Others	33					

Total Vote	83					
Reject	1					
Accept	23					

A&R		Not approved
	Reason:	

III. Rejects
Reject 1 (Hoffmann, Christian / PEER Group GmbH)
Negative 1 of Reject 1

<table>
<tr><td rowspan="4">Negative</td><td>Referenced Section</td><td colspan="3">*TF/Committee to fill in if necessary</td></tr>
<tr><td></td><td colspan="3"></td></tr>
<tr><td rowspan="2">Reason</td><td colspan="3">*Original negative comment and justification should be included.</td></tr>
<tr><td colspan="3">Much too complicated for most of the general use cases and equipment architectures.
As simpler solution to be proposed for standardization (e.g., a simpler state model enhancement) with application notes for tool types with specific requirements or features.
The implementation of the proposed solution is too much effort for most OEMs with little added value for the fabs.</td></tr>
<tr><td colspan="2" rowspan="2">Withdrawal</td><td>X</td><td>No withdrawal made</td><td>GO TO "Related" section</td></tr>
<tr><td></td><td>Withdrawal document received by staff on XXXX</td><td>GO TO "Final" → (A)</td></tr>
<tr><td rowspan="9">Related</td><td rowspan="5">Motion and Reason</td><td></td><td colspan="2">"Related" is mutually agreed upon.</td></tr>
<tr><td>X</td><td colspan="2">*This motion can be appended to the motion for Persuasive (See Persuasive Section)</td></tr>
<tr><td></td><td colspan="2">Negative is related (needs over 1/3 votes to pass)</td></tr>
<tr><td></td><td colspan="2">Negative is not related (needs 2/3 or more votes to pass)</td></tr>
<tr><td style="background:black;"></td><td>Reason</td><td>XXXX</td></tr>
<tr><td>Motion by/2nd by</td><td colspan="3">Name (Company)/Name (Company)</td></tr>
<tr><td>Discussion</td><td colspan="3"></td></tr>
<tr><td rowspan="4">Result of Vote (check ONE)</td><td colspan="3">XX-XX</td></tr>
<tr><td></td><td>[Negative is related] > 1/3</td><td rowspan="2">GO TO "Persuasive"</td></tr>
<tr><td></td><td>[Negative is not related] < 2/3</td></tr>
<tr><td></td><td>2/3=< [Negative is not related]</td><td>GO TO "Final" → (B)</td></tr>
<tr><td rowspan="8">Persuasive</td><td rowspan="3">Motion and Reason</td><td></td><td colspan="2">Negative is related and persuasive (needs over 1/3 votes to pass)</td></tr>
<tr><td>X</td><td colspan="2">Negative is related and not persuasive (needs 2/3 or more votes to pass)</td></tr>
<tr><td style="background:black;"></td><td>Reason</td><td>Neither technical reason nor alternative is given.
TF recognizes that current concept is the simplest solution to achieve the scope.</td></tr>
<tr><td>Motion by/2nd by</td><td colspan="3">Terry Asakawa (Tokyo Electron) / Yoshihisa Takasaki (Dainippon Screen Mfg.)</td></tr>
<tr><td>Discussion</td><td colspan="3">None</td></tr>
<tr><td rowspan="3">Result of Vote (check ONE)</td><td colspan="3">11-0</td></tr>
<tr><td></td><td>[Negative is related and persuasive] > 1/3</td><td rowspan="2">GO TO "Final" → (E)</td></tr>
<tr><td></td><td>[Negative is related and not persuasive] < 2/3</td></tr>
</table>

			2/3=<[Negative is related and not persuasive] <90%	**GO TO "Final" →** **(C)**
		X	90% =< [Negative is related and not persuasive]	**GO TO** "**Not Significant Finding Option"**

Not Significant Finding Option	**This option can only be used "if the committee finds a negative not persuasive by a vote equal to or greater than 90% of the persons voting on the action". (Regulations ¶ 9.5.3.3.2)**			
	■	X	It is mutually agreed upon to term the negative "not significant"	**GO TO →** **(D)**
	■		It is mutually agreed upon to term the negative "significant"	**GO TO →** **(C)**
	Motion		The negative is "not significant".	
	Motion by/2nd by		Name (Company)/Name (Company)	
	Vote		XX-XX Motion passed with simple majority	**GO TO → (D)**
			XX-XX Motion failed with simple majority	**GO TO → (C)**

Final		Negative is:		
		(A)	withdrawn (counted under **h** in disposition)	
		(B)	not related (counted under **i** in disposition)	
		(C)	related and not persuasive (significant)	
	X	**(D)**	not significant (counted under **j** in disposition)	
		(E)	related and persuasive	**DOCUMENT FAILS**
		Comment generated. See comment #x		

A&R		**Not approved**
	Reason:	

Disposition of Reject 1

1	Original number of Negatives	**(g)**
0	# of Negatives withdrawn	**(h)**
0	# of Negatives found not related	**(i)**
1	# of Negatives found not significant	**(j)**

Final	X	**g**-(**h**+**i**+**j**)=0	☐ Reject **is Not Valid and is not** included in the denominator of § VI. Approval Conditions Check
		g-(**h**+**i**+**j**)>0	☐ Reject **is** included in the denominator of § VI. Approval Conditions Check
		Reject without a Negative	☐**Not Valid**

Note: If all of the negative material included with a reject vote is withdrawn, determined to be not related, or determined to be not significant, the reject vote is not valid. (Regulations ¶ 9.4.3.3)

A&R		Not approved
		Reason:

Reject 2 (Teichmann, Eberhard / PEER Group GmbH)
Negative 1 of Reject 2

<table>
<tr><td rowspan="2">Negative</td><td>Referenced Section</td><td colspan="3">*TF/Committee to fill in if necessary</td></tr>
<tr><td rowspan="2">Reason</td><td colspan="3">*Original negative comment and justification should be included.</td></tr>
<tr><td></td><td colspan="3">This proposal is too complex to provide an comprehensive answer in an acceptable time frame.
From my point of view will nobody implement it - perhaps apart from a single prototype.
The problem could be solved much more easily, robust and elegantly if most of the computation will be up to the factory host – it would also be easier to let the tool just tell us an estimation of how long each PJ/CJ will take.</td></tr>
<tr><td colspan="2" rowspan="2">Withdrawal</td><td>X</td><td>No withdrawal made</td><td>GO TO "Related" section</td></tr>
<tr><td></td><td>Withdrawal document received by staff on XXXX</td><td>GO TO "Final" → (A)</td></tr>
<tr><td rowspan="11">Related</td><td rowspan="5">Motion and Reason</td><td>X</td><td colspan="2">"Related" is mutually agreed upon.</td></tr>
<tr><td>X</td><td colspan="2">*This motion can be appended to the motion for Persuasive (See Persuasive Section)</td></tr>
<tr><td></td><td colspan="2">Negative is related (needs over 1/3 votes to pass)</td></tr>
<tr><td></td><td colspan="2">Negative is not related (needs 2/3 or more votes to pass)</td></tr>
<tr><td>■</td><td>Reason</td><td>XXXX</td></tr>
<tr><td>Motion by/2nd by</td><td colspan="3">Name (Company)/Name (Company)</td></tr>
<tr><td>Discussion</td><td colspan="3"></td></tr>
<tr><td rowspan="4">Result of Vote (check ONE)</td><td colspan="3">XX-XX</td></tr>
<tr><td></td><td>[Negative is related] > 1/3</td><td rowspan="2">GO TO "Persuasive"</td></tr>
<tr><td></td><td>[Negative is not related] < 2/3</td></tr>
<tr><td></td><td>2/3=< [Negative is not related]</td><td>GO TO "Final" → (B)</td></tr>
<tr><td rowspan="2">Persuasive</td><td rowspan="2">Motion and Reason</td><td></td><td colspan="2">Negative is related and persuasive (needs over 1/3 votes to pass)</td></tr>
<tr><td>X</td><td colspan="2">Negative is related and not persuasive (needs 2/3 or more votes to pass)</td></tr>
</table>

		Reason	**Purpose of this Standard is to provide a communication method to use predictions from equipment instead of predictions made by the host, because, in general, the predictions provided from equipment itself are more accurate than the assumptions made by the host as they may consider whatever distributions happened, happening, and may happen in the equipment.** **Also, it should be a big burden for huge manufacturing system to maintain equipment model, which is used to generate predictions for each one of equipment in the host system, upon every improvement made by the equipment. Use of the predictions from equipment eliminates the maintenance efforts of equipment model.**	
	Motion by/2nd by		Terry Asakawa (Tokyo Electron) / Yuko Toyoshima (Hitachi High-Technologies)	
	Discussion		None	
	Result of Vote (check ONE)		11-0	
			[Negative is related and persuasive] > 1/3	**GO TO "Final" → (E)**
			[Negative is related and not persuasive] < 2/3	
			2/3=<[Negative is related and not persuasive] <90%	**GO TO "Final" → (C)**
		X	90% =< [Negative is related and not persuasive]	**GO TO** "Not Significant Finding Option"

Not Significant Finding Option

This option can only be used "if the committee finds a negative not persuasive by a vote equal to or greater than 90% of the persons voting on the action". (Regulations ¶ 9.5.3.3.2)				
		X	It is mutually agreed upon to term the negative "not significant"	**GO TO → (D)**
			It is mutually agreed upon to term the negative "significant"	**GO TO → (C)**
	Motion		The negative is "not significant".	
	Motion by/2nd by		Name (Company)/Name (Company)	
	Vote		XX-XX Motion passed with simple majority	**GO TO → (D)**
			XX-XX Motion failed with simple majority	**GO TO → (C)**

Final	Negative is:			
		(A)	withdrawn (counted under **h** in disposition)	
		(B)	not related (counted under **i** in disposition)	
		(C)	related and not persuasive (significant)	
	X	**(D)**	not significant (counted under **j** in disposition)	
		(E)	related and persuasive	**DOCUMENT FAILS**
			Comment generated. See comment #x	

A&R		**Not approved**	
	Reason:		

A&R Ballot Report Template Revision 7.7

Disposition of Reject 2

1	Original number of Negatives	**(g)**
0	# of Negatives withdrawn	**(h)**
0	# of Negatives found not related	**(i)**
1	# of Negatives found not significant	**(j)**

Final	X	**g**-(**h+i+j**)=0	☐ Reject **is Not Valid and is not** included in the denominator of § VI. Approval Conditions Check
		g-(**h+i+j**)>0	☐ Reject **is** included in the denominator of § VI. Approval Conditions Check
		Reject without a Negative	☐**Not Valid**

Note: If all of the negative material included with a reject vote is withdrawn, determined to be not related, or determined to be not significant, the reject vote is not valid. (Regulations ¶ 9.4.3.3)

A&R		**Not approved**
	Reason:	

IV. Comments

Comment 1

	Referenced Section	*TF/Committee to fill in if necessary
Comment	From	**Jan Rothe / GLOBALFOUNDRIES**
	Comment	**I am in full agreement with the concepts proposed in this standard ballot yet am not sure all the technical concepts are necessary in their current form. Some of the specifications proposed in the ballot may exceed what typical users need and a simpler form may be needed therefore. I trust the task force will not accept a ballot that goes beyond the necessary complexity.**
	Discussion	**TF leader confirmed with voter that the point of complexity is the optional PEC concept.** **As SPJ which was in #5486 is already obsoleted in #5486A, PEC option is not a concept which is the must, and may be redundant to explain optional multiple carrier flow capability.** **TF agreed to submit a line item revision ballot to remove optional PEC concept immediately after publication, as a new business.** **The proposed draft document to remove PEC is shown and reviewed.**

Action proposed	X	The committee agreed to do one of the following actions.	
		*No motion is required in this step.	
			No further action was taken by the committee.
			Refer to the task force for more consideration.
		X	New Business
			Other

Editorial Change		
		Case 1: No vote in this section :
		To be included and voted on in § 5. Summary of Editorial Changes.
		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 (or failed)
A&R	**Not approved**
	Reason:

V. Summary of Editorial Changes

None

VI. Approval Conditions Check

APPROVAL CONDITION 1: All negatives have been discussed and were withdrawn, found not related, or not persuasive. (Regulations ¶ 9.6.2)

APPROVAL CONDITION 2: At least 90% of the sum of the valid accept and reject votes must be accept. (Regulations ¶ 9.6.3)
Note: if both approval conditions are not satisfied, the document fails.

		Accepts		(Accepts + Valid Rejects)			
Approval Rate	=	**23**	/	**23**	=	**100.0%**	>=90%

A&R		Not approved
		Reason:

VII. Safety Check

See § 14 of the Regulations for further information

Motion:	X	This is not a Safety Document: when all safety-related information is removed, the document is still technically sound and complete.
		This is a Safety Document: when all safety-related information is removed, the document is not technically sound and complete.
		Safety Checklist (Regulations ¶ 14.3) is complete and has been included with the document throughout the balloting process.

Motion by/2nd by	Terry Asakawa (Tokyo Electron) / Yuko Toyoshima (Hitachi High-Technologies)
Discussion	None
Vote	11-0 Motion passed

A&R		Not approved
		Reason:

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	Motion Passed
	Motion Failed

A&R		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	X	This document passed committee review as balloted and will be forwarded to the A&R for procedural review.
		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	Terry Asakawa (Tokyo Electron) / Yuko Toyoshima (Hitachi High-Technologies)
Discussion	None
Vote	11-0

Final Action	X	Motion passed
		Motion failed

A&R		**Approved**
		Not approved
	Reason:	