Record of Letter Ballot Review by TC Chapter for Procedural Review

Region/Locale: Japan
Global Technical Committee: Information & Control
TC Chapter Cochairs: Takayuki Nishimura / SCREEN Semiconductor Solutions, Mitsuhiro Matsuda / Hitachi Kokusai Electric
Standards staff: Chie Yanagisawa

	Scheduled in Background Statement	Actual
Date	**06/16/2016**	**06/16/2016**
Location	**SEMI Japan Office**	**SEMI Japan Office**

I. Document Number and Title

Document Number	Document Title
5601A	**Specification for Wafer Job Management (WJM)**

II. Tally (Standards staff to fill in)

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

A minimum of 60% of the Voting Interests that have TC Members within the global technical committee that issued the Letter Ballot must return Votes. (*Regulations* ¶ 9.7.1.1)

Voting Tally (with example values):

Voting Interest:	Returned Votes		Distribution		Return Rate	
Letter Ballot	**61**	÷	**98**	=	**62.2%**	>=60%
Intercommittee Ballot	**18**					
Voting Interest Reject(s)	**5**				**Total Voter with Rejects**	**6**
Voting Interest Accept(s)	**26**					

A&R Ballot Report Template Revision 1.06

III. Rejects
Voting Interest Reject 1 (Voting Interest Name: ASML Netherlands BV)
Voting Interest Reject 1- Voter Reject 1 (Voter: Thomas Hoogenboom / ASML Netherlands BV)

Negative 1 of Voting Interest Reject 1- Voter Reject 1

<table>
<tr>
<td rowspan="4">Negative</td>
<td>Referenced Section/ Paragraph</td>
<td colspan="3">*TF/TC Chapter to fill in including text in the ballot if necessary.</td>
</tr>
<tr>
<td></td>
<td colspan="3"></td>
</tr>
<tr>
<td rowspan="2">Negative Text</td>
<td colspan="3">*Original complete Negative text (e.g., issue, justification, suggestion) should be copied.</td>
</tr>
<tr>
<td colspan="3">I think the objective of the new standard is a valid one.
However I object to the use of the term 'wafer' instead of the more general term 'substrate' as used in all other similar standards.
It would be a pity if this extension of the current automation model would not be applicable to (say) flat panel displays or other substrate types.
If the term 'wafer' is replaced by 'substrate' throughout the proposed new standard I will withdraw my negative.</td>
</tr>
<tr>
<td colspan="2">TF input (optional)</td>
<td colspan="3"></td>
</tr>
<tr>
<td colspan="2" rowspan="2">Withdrawal (check one)</td>
<td>X</td>
<td>No Negative withdrawal made by Voter.</td>
<td>GO TO "Related" subsection</td>
</tr>
<tr>
<td></td>
<td>Withdrawal document received by Standards staff on MM/DD/YYYY.</td>
<td>GO TO "Final" subsection → (A)</td>
</tr>
<tr>
<td rowspan="8">Related</td>
<td rowspan="3">Motion and Reason (check one)</td>
<td>X</td>
<td>'Related' is mutually agreed upon. (Needs no Motion.)</td>
<td>GO TO "Persuasive" subsection</td>
</tr>
<tr>
<td></td>
<td>Negative is not related. (Needs ≥2/3 votes to pass.)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Reason   XXXX</td>
<td></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="3">Result of Vote (check one)</td>
<td colspan="3">XX-XX; Motion passed/failed.</td>
</tr>
<tr>
<td></td>
<td>[Negative is not related.] <2/3</td>
<td>GO TO "Persuasive" subsection</td>
</tr>
<tr>
<td></td>
<td>2/3≤ [Negative is not related.]</td>
<td>GO TO "Final" subsection → (B)</td>
</tr>
<tr>
<td rowspan="2">Persuasive</td>
<td rowspan="2">Motion and Reason (check one)</td>
<td></td>
<td>Negative is related and persuasive. (Needs >1/3 votes to pass.)</td>
<td></td>
</tr>
<tr>
<td>X</td>
<td>Negative is related and not persuasive. (Needs ≥2/3 votes to pass.)</td>
<td></td>
</tr>
</table>

		Reason	**The negative is related but not persuasive.** **This document is consistent with the SNARF #5601 which focuses on "Wafer Job Management" and does not discuss on other substrates.** **However, the document is not explicitly excluding applications to other cases.** **Extension to other substrates may be proposed as a new business.**	

Motion by/2nd by	Yoshihisa Takasaki (SCREEN Semiconductor Solutions) / Naoko Murata (Tokyo Electron)
Discussion	None

Result of Vote (check one)	9-0; Motion passed.				
		[Negative is related and persuasive.] >1/3	Is a Technical Change Recommended ? (Y/N)	Y	**GO TO "Address by Technical Change Option" subsection**
		[Negative is related and not persuasive.] <2/3		N	**GO TO "Final" subsection → (E)**
		2/3≤ [Negative is related and not persuasive.] <90%	**GO TO "Final" subsection → (C)**		
	X	90% ≤ [Negative is related and not persuasive.]	**GO TO "Not Significant Finding Option" subsection**		

Address by Technical Change Option

Technical Change Recommended by the TF

Note: Original section/paragraph number and at least one full sentence are required in "FROM" and "TO" fields.

Technical Change

	1	**FROM: Section/Paragraph XXX**
		TO: Section/Paragraph xxx
		Justification (If necessary)
	2	**FROM: Section/Paragraph XXX**
		TO: Section/Paragraph xxx
		Justification (If necessary)

Motion	Negative is addressed by the Technical Change.
Motion by/2nd by	Name (Company)/Name (Company)
Discussion	

Result of Vote (check one)	XX-XX; Motion passed/failed.		
		2/3≤ [Negative is addressed by the Technical Change.]	**GO TO "Incorporation of the Technical Change" subsection**
		[Negative is not addressed by the Technical Change.] < 2/3	**GO TO "Final" subsection → (E)**

	Motion	To incorporate the Technical Change.

	Motion by/2nd by		Name (Company)/Name (Company)		
	Discussion				
	Result of Vote (check one)		XX-XX; Motion passed/failed.		
			90% ≤ [Agree to incorporate.]		**GO TO "Final" subsection → (F)**
			[Disagree to incorporate.]>10%		**GO TO "Final" subsection → (E)**

Not Significant Finding Option	**This option can only be used "if the TC Chapter finds a Negative not persuasive by a vote equal to or greater than 90% of the persons voting on the action". (Regulations ¶ 9.6.4.4.2)**				
	Use of "Not significant finding option" (check one)	X	It is mutually agreed upon to term the Negative "not significant".		**GO TO "Final" subsection → (D)**
			It is mutually agreed upon to term the Negative "significant".		**GO TO "Final" subsection → (C)**
			Whether or not the Negative is "not significant" is decided by a vote.		
	Motion		The Negative is "not significant".		
	Motion by/2nd by		Name (Company)/Name (Company)		
	Vote		XX-XX; Motion passed with simple majority		**GO TO "Final" subsection → (D)**
			XX-XX; Motion failed with simple majority		**GO TO "Final" subsection → (C)**

Final	**(check if applicable)**		**(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 and not addressed by Technical Change	**DOCUMENT FAILS**
			(F)	addressed by Technical Change (counted under **k** disposition)	
	(check if applicable)		Comment generated. See Section V-(ii) Comment # X.		

Disposition of Voting Interest 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)**
0	# of Negatives addressed by Technical Change (Negative becomes not significant)				**(k)**
	Final	X	**g** - (**h** + **i** +**j** + **k**) = 0	Reject **is Not Valid and is not** included in the denominator of § VI. *Approval Conditions Check*	
			g - (**h** + **i** +**j** + **k**) >0	Reject **is** included in the denominator of § VI. *Approval Conditions Check*	
			Reject without a Negative	**Not Valid**	

Voting Interest Reject 2 (Voting Interest Name: Cimetrix Incorporated)

Voting Interest Reject 2- Voter Reject 1 (Voter: Brian Rubow / Cimetrix Incorporated)

Negative 1 of Voting Interest Reject 2- Voter Reject 1

<table>
<tr>
<td rowspan="2">Negative</td>
<td>Referenced Section/ Paragraph</td>
<td colspan="3">*TF/TC Chapter to fill in including text in the ballot if necessary.</td>
</tr>
<tr>
<td>Negative Text</td>
<td colspan="3">*Original complete Negative text (e.g., issue, justification, suggestion) should be copied.
Reason #1 This ballot duplicates what is already possible and available in other SEMI standards.
Rather than introducing a new specification, it is far more productive to add clarifying examples and minor enhancements to existing standards.
Duplicating efforts in an additional specification makes implementing the specification more difficult by introducing yet another document for users to study and coordinate.
This ballot only introduces technical confusion, and yet more mapping that users have to decipher.</td>
</tr>
<tr>
<td colspan="2">TF input (optional)</td>
<td colspan="3"></td>
</tr>
<tr>
<td rowspan="2"></td>
<td rowspan="2">Withdrawal (check one)</td>
<td>X</td>
<td>No Negative withdrawal made by Voter.</td>
<td>GO TO "Related" subsection</td>
</tr>
<tr>
<td></td>
<td>Withdrawal document received by Standards staff on MM/DD/YYYY.</td>
<td>GO TO "Final" subsection → (A)</td>
</tr>
<tr>
<td rowspan="8">Related</td>
<td rowspan="3">Motion and Reason (check one)</td>
<td>X</td>
<td>'Related' is mutually agreed upon. (Needs no Motion.)</td>
<td>GO TO "Persuasive" subsection</td>
</tr>
<tr>
<td></td>
<td>Negative is not related. (Needs ≥2/3 votes to pass.)</td>
<td></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="3">Result of Vote (check one)</td>
<td colspan="3">XX-XX; Motion passed/failed.</td>
</tr>
<tr>
<td></td>
<td>[Negative is not related.] <2/3</td>
<td>GO TO "Persuasive" subsection</td>
</tr>
<tr>
<td></td>
<td>2/3≤ [Negative is not related.]</td>
<td>GO TO "Final" subsection → (B)</td>
</tr>
<tr>
<td rowspan="2">Persuasive</td>
<td rowspan="2">Motion and Reason (check one)</td>
<td></td>
<td>Negative is related and persuasive. (Needs >1/3 votes to pass.)</td>
<td></td>
</tr>
<tr>
<td>X</td>
<td>Negative is related and not persuasive. (Needs ≥2/3 votes to pass.)</td>
<td></td>
</tr>
</table>

	Reason		**The negative is related but not persuasive.** **The negative does not disclose any alternatives which can achieve the new functionalities this document provides.** **See 1.1 The purpose of this Standard is to provide a communication method which observes and/or controls every single wafer (including its related information) on equipment individually (and independently rather than a member of a lot) through single management point from the host.** **Also, 7.3.1 SPOWM (Single Point of Wafer Management) — A capability which observes and/or controls wafers (including its related information) on equipment from the host through single management point called WFJ.**

Motion by/2nd by	Yoshihisa Takasaki (SCREEN Semiconductor Solutions) / Naoko Murata (Tokyo Electron)
Discussion	None

Result of Vote (check one)		[Negative is related and persuasive.] >1/3	Is a Technical Change Recommended? (Y/N)	Y	**GO TO "Address by Technical Change Option" subsection**
		[Negative is related and not persuasive.] <2/3		N	**GO TO "Final" subsection → (E)**
		2/3≤ [Negative is related and not persuasive.] <90%	**GO TO "Final" subsection → (C)**		
	X	90% ≤ [Negative is related and not persuasive.]	**GO TO "Not Significant Finding Option" subsection**		

9-0; Motion passed.

Address by Technical Change Option	**Technical Change Recommended by the TF** **Note: Original section/paragraph number and at least one full sentence are required in "FROM" and "TO" fields.**		
	Technical Change	1	**FROM: Section/Paragraph XXX**
			TO: Section/Paragraph xxx
			Justification (If necessary)
		2	**FROM: Section/Paragraph XXX**
			TO: Section/Paragraph xxx
			Justification (If necessary)

Motion	Negative is addressed by the Technical Change.
Motion by/2nd by	Name (Company)/Name (Company)
Discussion	

Result of Vote (check one)		2/3≤ [Negative is addressed by the Technical Change.]	**GO TO "Incorporation of the Technical Change" subsection**

XX-XX; Motion passed/failed.

			[Negative is not addressed by the Technical Change.] < 2/3	**GO TO "Final" subsection → (E)**
	Incorporation of the Technical Change	**Motion**	To incorporate the Technical Change.	
		Motion by/2nd by	Name (Company)/Name (Company)	
		Discussion		
		Result of Vote (check one)	XX-XX; Motion passed/failed.	
			90% ≤ [Agree to incorporate.]	**GO TO "Final" subsection → (F)**
			[Disagree to incorporate.]>10%	**GO TO "Final" subsection → (E)**
Not Significant Finding Option			**This option can only be used "if the TC Chapter finds a Negative not persuasive by a vote equal to or greater than 90% of the persons voting on the action". (*Regulations* ¶ 9.6.4.4.2)**	
	Use of "Not significant finding option" (check one)	X	It is mutually agreed upon to term the Negative "not significant".	**GO TO "Final" subsection → (D)**
			It is mutually agreed upon to term the Negative "significant".	**GO TO "Final" subsection → (C)**
			Whether or not the Negative is "not significant" is decided by a vote.	
	Motion		The Negative is "not significant".	
	Motion by/2nd by		Name (Company)/Name (Company)	
	Vote		XX-XX; Motion passed with simple majority	**GO TO "Final" subsection → (D)**
			XX-XX; Motion failed with simple majority	**GO TO "Final" subsection → (C)**
Final	**(check if applicable)**		**(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 and not addressed by Technical Change — **DOCUMENT FAILS**
			(F)	addressed by Technical Change (counted under **k** disposition)
	(check if applicable)		Comment generated. See Section V-(ii) Comment # X.	

Negative 2 of Voting Interest Reject 2- Voter Reject 1

Negative	**Referenced Section/ Paragraph**	*TF/TC Chapter to fill in including text in the ballot if necessary.
	Negative Text	*Original complete Negative text (e.g., issue, justification, suggestion) should be copied.

		Reason #2 The ballot is very difficult to read and understand. **There are so many acronyms that a reader gets lost trying to interpret everything.** **For example, this ballot refers to an E157 MPT. E157 does not define any acronym called 'MPT'.** **There are many more such undefined acronyms throughout like W2W, APC which are not defined.** **Please just write words out so that a reader can comprehend it.**

TF input (optional)	

Withdrawal (check one)	X	No Negative withdrawal made by Voter.	**GO TO** "Related" **subsection**
		Withdrawal document received by Standards staff on MM/DD/YYYY.	**GO TO "Final" subsection → (A)**

Related

Motion and Reason (check one)	X	'Related' is mutually agreed upon. **(Needs no Motion.)**		**GO TO "Persuasive" subsection**
		Negative is not related. **(Needs ≥2/3 votes to pass.)**		
	■	Reason	XXXX	

Motion by/2nd by	Name (Company)/Name (Company)
Discussion	

Result of Vote (check one)	XX-XX; Motion passed/failed.	
	[Negative is not related.] <2/3	**GO TO "Persuasive" subsection**
	2/3≤ [Negative is not related.]	**GO TO "Final" subsection → (B)**

Persuasive

Motion and Reason (check one)	X	Negative is related and persuasive. **(Needs >1/3 votes to pass.)**	
		Negative is related and not persuasive. **(Needs ≥2/3 votes to pass.)**	
	■	Reason	**The negative is related and persuasive regarding the acronym 'MPT' of E157.** **TF proposes to delete 'MPT' by ratification ballot.** **Both W2W and APC are defined in COT (Compilation Of Terms).**

Motion by/2nd by	Yoshihisa Takasaki (SCREEN Semiconductor Solutions) / Naoko Murata (Tokyo Electron)
Discussion	None

Result of Vote (check one)	9-0; Motion passed.			
	X	[Negative is related and persuasive.] >1/3	Is a Technical Change Recommended? (Y/N)	Y	**GO TO "Address by Technical Change Option" subsection**
		[Negative is related and not persuasive.] <2/3		N	**GO TO "Final" subsection → (E)**
		2/3≤ [Negative is related and not persuasive.] <90%	**GO TO "Final" subsection → (C)**	
		90% ≤ [Negative is related and not persuasive.]	**GO TO "Not Significant Finding Option" subsection**	

Technical Change Recommended by the TF

Note: Original section/paragraph number and at least one full sentence are required in "FROM" and "TO" fields.

Technical Change

1

~~FROM: Section/Paragraph~~

- 7.8.4 *SEMI E157* ~~MPT~~ — SEMI E157 ~~MPT~~ may be used as a trigger source to report process data synchronized with recipe steps through WJ. StepID, StepCount, and ModuleID may be used for correlation.

- Table 19 WFJOBJ Attribute Definition

Attribute Name	Definition	Access#1	Read	Form	
E157WID	Indicates which ID of SEMI E157 ~~MPT~~ is actually used by the equipment. (Adopted from: SubstID, UserAssignedID, DefaltID) Null is used while any of above IDs is not assigned.	RO	O	Enumerated SubstID, DefaltID, UserAssignedID	

#1 Even though a value may be marked as RO (read only), the initial value for the attribute may be provided by the host.

~~TO: Section/Paragraph~~

Justification (If necessary)

2

FROM: Section/Paragraph XXX

TO: Section/Paragraph xxx

Justification (If necessary)

Motion	Negative is addressed by the Technical Change.
Motion by/2nd by	Yoshihisa Takasaki (SCREEN Semiconductor Solutions) / Naoko Murata (Tokyo Electron)
Discussion	None

Result of Vote (check one)	9-0; Motion passed.	
	X	2/3≤ [Negative is addressed by the Technical Change.]	GO TO "Incorporation of the Technical Change" subsection
		[Negative is not addressed by the Technical Change.] < 2/3	GO TO "Final" subsection → (E)

Incorporation of the Technical Change

Motion	To incorporate the Technical Change.
Motion by/2nd by	Yoshihisa Takasaki (SCREEN Semiconductor Solutions) / Naoko Murata (Tokyo Electron)
Discussion	None

Result of Vote (check one)	9-0; Motion passed.	
	X	90% ≤ [Agree to incorporate.]	GO TO "Final" subsection → (F)
		[Disagree to incorporate.]>10%	GO TO "Final" subsection → (E)

Icant Finding

This option can only be used "if the TC Chapter finds a Negative not persuasive by a vote equal to or greater than 90% of the persons voting on the action". (*Regulations* ¶ 9.6.4.4.2)

	Use of "Not significant finding option" (check one)		It is mutually agreed upon to term the Negative "not significant".	**GO TO "Final" subsection → (D)**
			It is mutually agreed upon to term the Negative "significant".	**GO TO "Final" subsection → (C)**
			Whether or not the Negative is "not significant" is decided by a vote.	
	Motion		The Negative is "not significant".	
	Motion by/2nd by		Name (Company)/Name (Company)	
	Vote		XX-XX; Motion passed with simple majority	**GO TO "Final" subsection → (D)**
			XX-XX; Motion failed with simple majority	**GO TO "Final" subsection → (C)**
Final	**(check if applicable)**		**(A)**	withdrawn (counted under **h** in disposition)	
			(B)	not related (counted under **i** in disposition)	
			(C)	related and not persuasive (significant)	
			(D)	not significant (counted under **j** in disposition)	
			(E)	related and persuasive and not addressed by Technical Change	**DOCUMENT FAILS**
		X	**(F)**	addressed by Technical Change (counted under **k** disposition)	
	(check if applicable)		Comment generated. See Section V-(ii) Comment # X.	

Disposition of Voting Interest Reject 2

2	Original number of Negatives		**(g)**
0	# of Negatives withdrawn		**(h)**
0	# of Negatives found not related		**(i)**
1	# of Negatives found not significant		**(j)**
1	# of Negatives addressed by Technical Change (Negative becomes not significant)		**(k)**
Final	**X**	**g** - (**h** + **i** +**j** + **k**) = 0	Reject **is Not Valid and is not** included in the denominator of § VI. *Approval Conditions Check*
		g - (**h** + **i** +**j** + **k**) >0	Reject **is** included in the denominator of § VI. *Approval Conditions Check*
		Reject without a Negative	**Not Valid**

Note: If all of the Negatives included with a Reject Vote are withdrawn, determined to be not related, or determined to be not significant, the Reject Vote is not valid. (*Regulations* ¶ 9.4.3.3)
Note: A Negative addressed by a technical change is automatically considered to be not significant. (*Regulations* ¶ 9.6.4.4.2)

Voting Interest Reject 3 (Voting Interest Name: PEER Group)
Voting Interest Reject 3- Voter Reject 1 (Voter: Christian Hoffmann / PEER Group GmbH)

Negative 1 of Voting Interest Reject 3- Voter Reject 1

<table>
<tr>
<td rowspan="5">Negative</td>
<td rowspan="2">Referenced Section/ Paragraph</td>
<td colspan="4">*TF/TC Chapter to fill in including text in the ballot if necessary.</td>
</tr>
<tr>
<td colspan="4"></td>
</tr>
<tr>
<td rowspan="3">Negative Text</td>
<td colspan="4">*Original complete Negative text (e.g., issue, justification, suggestion) should be copied.</td>
</tr>
<tr>
<td colspan="4">Reject Reason 1:
The document purpose and scope are not considered topics to be standardized again.
The GEM300 standards already provide the specifications for features and means to achieve the intents - even of the new proposed standard draft document 5601A.
The document might get considered to be published as guide document compiling some BKM (best known methods).

Scope as in 2.1 can be achieved with appropriate application of means described in E40 to be combined with E90 STS.
Scope as defined in 2.2 can be achieved with appropriate application of means described in E40 to be combined with E90 STS.
Scope as defined in 2.3 can be achieved with appropriate application of means described in E40 to be combined with E39 and E39.1
Scope as defined in 2.4 is considered an inappropriate limitation while the focus should be rather generic - beyond silicon substrate to also apply for FPD, masks and other 'material'.</td>
</tr>
<tr>
<td colspan="5"></td>
</tr>
<tr>
<td colspan="2">TF input (optional)</td>
<td colspan="4"></td>
</tr>
<tr>
<td colspan="2" rowspan="2">Withdrawal (check one)</td>
<td>X</td>
<td colspan="2">No Negative withdrawal made by Voter.</td>
<td>GO TO "Related" subsection</td>
</tr>
<tr>
<td></td>
<td colspan="2">Withdrawal document received by Standards staff on MM/DD/YYYY.</td>
<td>GO TO "Final" subsection → (A)</td>
</tr>
<tr>
<td rowspan="8">Related</td>
<td rowspan="3">Motion and Reason (check one)</td>
<td>X</td>
<td colspan="2">'Related' is mutually agreed upon. (Needs no Motion.)</td>
<td>GO TO "Persuasive" subsection</td>
</tr>
<tr>
<td></td>
<td colspan="2">Negative is not related. (Needs ≥2/3 votes to pass.)</td>
<td></td>
</tr>
<tr>
<td>■</td>
<td>Reason</td>
<td>XXXX</td>
<td></td>
</tr>
<tr>
<td>Motion by/2nd by</td>
<td colspan="4">Name (Company)/Name (Company)</td>
</tr>
<tr>
<td>Discussion</td>
<td colspan="4"></td>
</tr>
<tr>
<td rowspan="3">Result of Vote (check one)</td>
<td colspan="4">XX-XX; Motion passed/failed.</td>
</tr>
<tr>
<td></td>
<td colspan="2">[Negative is not related.] <2/3</td>
<td>GO TO "Persuasive" subsection</td>
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<td colspan="2">2/3≤ [Negative is not related.]</td>
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<td rowspan="2">Persuasive</td>
<td rowspan="2">Motion and Reason (check one)</td>
<td></td>
<td colspan="3">Negative is related and persuasive. (Needs >1/3 votes to pass.)</td>
</tr>
<tr>
<td>X</td>
<td colspan="3">Negative is related and not persuasive. (Needs ≥2/3 votes to pass.)</td>
</tr>
</table>

		Reason	**The negative is related but not persuasive.** **Scope 2.1 and 2.2** **Functionalities to manage a wafer individually by a wafer object WJ and its representative WFJ cannot be done by the combination of E40 and E90.** **See 1.1 The purpose of this Standard is to provide a communication method which observes and/or controls every single wafer (including its related information) on equipment individually (and independently rather than a member of a lot) through single management point from the host.** **Also, 7.3.1 SPOWM (Single Point of Wafer Management) — A capability which observes and/or controls wafers (including its related information) on equipment from the host through single management point called WFJ.** **Scope 2.3** **WJ and WFJ are needed from Scope 2.1 and 2.2 instead of E40, and WJ/WFJ also uses E39 for assistance.** **Scope 2.4** **This document is consistent with the SNARF #5601 which focuses on "Wafer Job Management" and does not discuss on other substrates.** **However, the document is not explicitly excluding applications to other cases.** **Extension to other substrates may be proposed as a new business.**	

Motion by/2nd by	Yoshihisa Takasaki (SCREEN Semiconductor Solutions) / Naoko Murata (Tokyo Electron)
Discussion	None

Result of Vote (check one)	9-0; Motion passed.				
		[Negative is related and persuasive.] >1/3	Is a Technical Change Recommended? (Y/N)	Y	**GO TO "Address by Technical Change Option" subsection**
		[Negative is related and not persuasive.] <2/3		N	**GO TO "Final" subsection → (E)**
		2/3≤ [Negative is related and not persuasive.] <90%	**GO TO "Final" subsection → (C)**		
	X	90% ≤ [Negative is related and not persuasive.]	**GO TO "Not Significant Finding Option" subsection**		

Address by Technical Change Option		**Technical Change Recommended by the TF** **Note: Original section/paragraph number and at least one full sentence are required in "FROM" and "TO" fields.**	
	Technical Change	1	**FROM: Section/Paragraph XXX**
			TO: Section/Paragraph xxx
			Justification (If necessary)
		2	**FROM: Section/Paragraph XXX**

		TO: Section/Paragraph xxx				
		Justification (If necessary)				
	Motion		Negative is addressed by the Technical Change.			
	Motion by/2nd by		Name (Company)/Name (Company)			
	Discussion					
	Result of Vote (check one)		XX-XX; Motion passed/failed.			
				2/3≤ [Negative is addressed by the Technical Change.]		**GO TO "Incorporation of the Technical Change" subsection**
				[Negative is not addressed by the Technical Change.] < 2/3		**GO TO "Final" subsection → (E)**
Incorporation of the Technical Change	**Motion**		To incorporate the Technical Change.			
	Motion by/2nd by		Name (Company)/Name (Company)			
	Discussion					
	Result of Vote (check one)		XX-XX; Motion passed/failed.			
				90% ≤ [Agree to incorporate.]		**GO TO "Final" subsection → (F)**
				[Disagree to incorporate.]>10%		**GO TO "Final" subsection → (E)**
Not Significant Finding Option	**This option can only be used "if the TC Chapter finds a Negative not persuasive by a vote equal to or greater than 90% of the persons voting on the action". (Regulations ¶ 9.6.4.4.2)**					
	Use of "Not significant finding option" (check one)	X	It is mutually agreed upon to term the Negative "not significant".			**GO TO "Final" subsection → (D)**
			It is mutually agreed upon to term the Negative "significant".			**GO TO "Final" subsection → (C)**
			Whether or not the Negative is "not significant" is decided by a vote.			
	Motion		The Negative is "not significant".			
	Motion by/2nd by		Name (Company)/Name (Company)			
	Vote		XX-XX; Motion passed with simple majority			**GO TO "Final" subsection → (D)**
			XX-XX; Motion failed with simple majority			**GO TO "Final" subsection → (C)**
Final	**(check if applicable)**		**(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 and not addressed by Technical Change		**DOCUMENT FAILS**
			(F)	addressed by Technical Change (counted under **k** disposition)		
	(check if applicable)		Comment generated. See Section V-(ii) Comment # X.			

<table>
<tr><td rowspan="4">Negative</td><td rowspan="2">Referenced Section/ Paragraph</td><td colspan="3">*TF/TC Chapter to fill in including text in the ballot if necessary.</td></tr>
<tr><td colspan="3">E39.1, §6.3
6.3.1 The ASCII version of OBJID is restriced to the characters from 20_{16} through $7E_{16,}$ excluding the following characters: the 'greater than' symbol '>', the colon ',', the question mark '?', the asterisk '*', and the tilde '~'. The space character (20_{16}) may not be used as the first or last character. The equipment shall allow the OBJID to be any length from 1 to 80 characters, inclusive. A zero length OBJID implies that no OBJID is specified.</td></tr>
<tr><td rowspan="2">Negative Text</td><td colspan="3">*Original complete Negative text (e.g., issue, justification, suggestion) should be copied.</td></tr>
<tr><td colspan="3">Reject Reason 2:
- p27, table 19 'WFOBJ Attribute Definition': WFJOBJID. Text, 32 characters deviates from E39.1, §6.3</td></tr>
</table>

TF input (optional)	

<table>
<tr><td rowspan="2">Withdrawal (check one)</td><td>X</td><td>No Negative withdrawal made by Voter.</td><td>GO TO "Related" subsection</td></tr>
<tr><td></td><td>Withdrawal document received by Standards staff on MM/DD/YYYY.</td><td>GO TO "Final" subsection → (A)</td></tr>
</table>

<table>
<tr><td rowspan="11">Related</td><td rowspan="3">Motion and Reason (check one)</td><td>X</td><td colspan="2">'Related' is mutually agreed upon. (Needs no Motion.)</td><td>GO TO "Persuasive" subsection</td></tr>
<tr><td></td><td colspan="2">Negative is not related. (Needs ≥2/3 votes to pass.)</td><td></td></tr>
<tr><td style="background:black"></td><td>Reason</td><td>XXXX</td><td></td></tr>
<tr><td>Motion by/2nd by</td><td colspan="4">Name (Company)/Name (Company)</td></tr>
<tr><td>Discussion</td><td colspan="4"></td></tr>
<tr><td rowspan="3">Result of Vote (check one)</td><td colspan="4">XX-XX; Motion passed/failed.</td></tr>
<tr><td></td><td colspan="2">[Negative is not related.] <2/3</td><td>GO TO "Persuasive" subsection</td></tr>
<tr><td></td><td colspan="2">2/3≤ [Negative is not related.]</td><td>GO TO "Final" subsection → (B)</td></tr>
</table>

<table>
<tr><td rowspan="8">Persuasive</td><td rowspan="3">Motion and Reason (check one)</td><td></td><td>Negative is related and persuasive. (Needs >1/3 votes to pass.)</td><td></td><td></td></tr>
<tr><td>X</td><td>Negative is related and not persuasive. (Needs ≥2/3 votes to pass.)</td><td></td><td></td></tr>
<tr><td style="background:black"></td><td>Reason</td><td colspan="2">The negative is related but not persuasive.
E39.1 says it should be 1 to 80 characters, and "32 characters" is in the range.
Since there was no strong intention to limit to 32 characters, TF considers a change to "1 to 80 characters".</td></tr>
<tr><td>Motion by/2nd by</td><td colspan="4">Yoshihisa Takasaki (SCREEN Semiconductor Solutions) / Naoko Murata (Tokyo Electron)</td></tr>
<tr><td>Discussion</td><td colspan="4">None</td></tr>
<tr><td rowspan="2">Result of Vote (check one)</td><td colspan="4">9-0; Motion passed.</td></tr>
<tr><td></td><td>[Negative is related and persuasive.] >1/3</td><td>Is a Technical Change Recommended</td><td>Y</td><td>GO TO "Address by Technical Change Option" subsection</td></tr>
</table>

			[Negative is related and not persuasive.] <2/3	? (Y/N)	N **GO TO "Final" subsection → (E)**
			2/3≤ [Negative is related and not persuasive.] <90%	**GO TO "Final" subsection → (C)**	
		X	90% ≤ [Negative is related and not persuasive.]	**GO TO "Not Significant Finding Option" subsection**	

<table>
<tr><td rowspan="20" style="writing-mode:vertical">Address by Technical Change Option</td><td colspan="5">

Technical Change Recommended by the TF

Note: Original section/paragraph number and at least one full sentence are required in "FROM" and "TO" fields.
</td></tr>
<tr><td rowspan="6" style="writing-mode:vertical">Technical Change</td><td rowspan="3">1</td><td colspan="3">**FROM: Section/Paragraph XXX**</td></tr>
<tr><td colspan="3">**TO: Section/Paragraph xxx**</td></tr>
<tr><td colspan="3">**Justification (If necessary)**</td></tr>
<tr><td rowspan="3">2</td><td colspan="3">**FROM: Section/Paragraph XXX**</td></tr>
<tr><td colspan="3">**TO: Section/Paragraph xxx**</td></tr>
<tr><td colspan="3">**Justification (If necessary)**</td></tr>
<tr><td colspan="2">**Motion**</td><td colspan="3">Negative is addressed by the Technical Change.</td></tr>
<tr><td colspan="2">**Motion by/2nd by**</td><td colspan="3">Name (Company)/Name (Company)</td></tr>
<tr><td colspan="2">**Discussion**</td><td colspan="3"></td></tr>
<tr><td colspan="2" rowspan="3">**Result of Vote (check one)**</td><td colspan="3">XX-XX; Motion passed/failed.</td></tr>
<tr><td></td><td>2/3≤ [Negative is addressed by the Technical Change.]</td><td>**GO TO "Incorporation of the Technical Change" subsection**</td></tr>
<tr><td></td><td>[Negative is not addressed by the Technical Change.] < 2/3</td><td>**GO TO "Final" subsection → (E)**</td></tr>
<tr><td rowspan="6" style="writing-mode:vertical">Incorporation of the Technical Change</td><td colspan="2">**Motion**</td><td colspan="2">To incorporate the Technical Change.</td></tr>
<tr><td colspan="2">**Motion by/2nd by**</td><td colspan="2">Name (Company)/Name (Company)</td></tr>
<tr><td colspan="2">**Discussion**</td><td colspan="2"></td></tr>
<tr><td colspan="2" rowspan="3">**Result of Vote (check one)**</td><td colspan="2">XX-XX; Motion passed/failed.</td></tr>
<tr><td></td><td>90% ≤ [Agree to incorporate.]</td><td>**GO TO "Final" subsection → (F)**</td></tr>
<tr><td></td><td>[Disagree to incorporate.]>10%</td><td>**GO TO "Final" subsection → (E)**</td></tr>
</table>

<table>
<tr><td rowspan="6" style="writing-mode:vertical">Not Significant Finding Option</td><td colspan="4">

This option can only be used "if the TC Chapter finds a Negative not persuasive by a vote equal to or greater than 90% of the persons voting on the action". (Regulations ¶ 9.6.4.4.2)
</td></tr>
<tr><td rowspan="3">**Use of "Not significant finding option" (check one)**</td><td>X</td><td>It is mutually agreed upon to term the Negative "not significant".</td><td>**GO TO "Final" subsection → (D)**</td></tr>
<tr><td></td><td>It is mutually agreed upon to term the Negative "significant".</td><td>**GO TO "Final" subsection → (C)**</td></tr>
<tr><td></td><td colspan="2">Whether or not the Negative is "not significant" is decided by a vote.</td></tr>
<tr><td>**Motion**</td><td colspan="3">The Negative is "not significant".</td></tr>
</table>

	Motion by/2nd by		Name (Company)/Name (Company)		
Final	**Vote**		XX-XX; Motion passed with simple majority		**GO TO "Final" subsection → (D)**
			XX-XX; Motion failed with simple majority		**GO TO "Final" subsection → (C)**
	(check if applicable)		**(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 and not addressed by Technical Change	**DOCUMENT FAILS**
			(F)	addressed by Technical Change (counted under **k** disposition)	
	(check if applicable)		Comment generated. See Section V-(ii) Comment # X.		

Negative 3 of Voting Interest Reject 2- Voter Reject 1

Negative	**Referenced Section/ Paragraph**		*TF/TC Chapter to fill in including text in the ballot if necessary.*		
	Negative Text		*Original complete Negative text (e.g., issue, justification, suggestion) should be copied.*		
			Reject Reason 3: - p33, table 26 'WFJOBJ Service Message Description': GetWFJOBJAttributes, GetWJOBJAttributes are duplicates as E39 and E39.1 define a GetAttributes service that could be used here as well. Using the same generic service helped omitting duplicate specifications with interdependencies.		
TF input (optional)					
Related	**Withdrawal (check one)**	**X**	No Negative withdrawal made by Voter.		**GO TO "Related" subsection**
			Withdrawal document received by Standards staff on MM/DD/YYYY.		**GO TO "Final" subsection → (A)**
	Motion and Reason (check one)	**X**	'Related' is mutually agreed upon. **(Needs no Motion.)**		**GO TO "Persuasive" subsection**
			Negative is not related. **(Needs ≥2/3 votes to pass.)**		
		(black)	Reason	XXXX	
	Motion by/2nd by		Name (Company)/Name (Company)		
	Discussion				
	Result of Vote (check one)		XX-XX; Motion passed/failed.		
			[Negative is not related.] <2/3		**GO TO "Persuasive" subsection**
			2/3≤ [Negative is not related.]		**GO TO "Final" subsection → (B)**
	Motion and Reason		Negative is related and persuasive. **(Needs >1/3 votes to pass.)**		

<table>
<tr>
<td rowspan="10">Persuasive</td>
<td colspan="2">(check one)</td>
<td>X</td>
<td colspan="2">Negative is related and not persuasive. <strong style="color:orange">(Needs ≥2/3 votes to pass.)</td>
<td></td>
<td></td>
</tr>
</table>

	(check one)		**X**	Negative is related and not persuasive. **(Needs ≥2/3 votes to pass.)**			
			■	Reason	**The negative is related but not persuasive.** **The document simply puts mnemonic GetWFJOBJAttributes for explanation purpose, and specifies to use E39 GetAttr service for it.** **GetWJOBJAttributes is a specific service which has a specific filter.** **Actual mapping should be determined in subordinate document.**		
	Motion by/2nd by		Yoshihisa Takasaki (SCREEN Semiconductor Solutions) / Naoko Murata (Tokyo Electron)				
	Discussion		None				
	Result of Vote (check one)		9-0; Motion passed.				
				[Negative is related and persuasive.] >1/3	Is a Technical Change Recommended? (Y/N)	Y	**GO TO "Address by Technical Change Option" subsection**
				[Negative is related and not persuasive.] <2/3		N	**GO TO "Final" subsection → (E)**
				2/3≤ [Negative is related and not persuasive.] <90%	**GO TO "Final" subsection → (C)**		
			X	90% ≤ [Negative is related and not persuasive.]	**GO TO "Not Significant Finding Option" subsection**		

Address by Technical Change Option	**Technical Change Recommended by the TF** **Note: Original section/paragraph number and at least one full sentence are required in "FROM" and "TO" fields.**				
	Technical Change	**1**	**FROM: Section/Paragraph XXX**		
			TO: Section/Paragraph xxx		
			Justification (If necessary)		
		2	**FROM: Section/Paragraph XXX**		
			TO: Section/Paragraph xxx		
			Justification (If necessary)		
	Motion		Negative is addressed by the Technical Change.		
	Motion by/2nd by		Name (Company)/Name (Company)		
	Discussion				
	Result of Vote (check one)		XX-XX; Motion passed/failed.		
				2/3≤ [Negative is addressed by the Technical Change.]	**GO TO "Incorporation of the Technical Change" subsection**

			[Negative is not addressed by the Technical Change.] < 2/3	**GO TO "Final" subsection → (E)**
Incorporation of the Technical Change	**Motion**		To incorporate the Technical Change.	
	Motion by/2nd by		Name (Company)/Name (Company)	
	Discussion			
	Result of Vote (check one)		XX-XX; Motion passed/failed.	
			90% ≤ [Agree to incorporate.]	**GO TO "Final" subsection → (F)**
			[Disagree to incorporate.]>10%	**GO TO "Final" subsection → (E)**
Not Significant Finding Option	This option can only be used "if the TC Chapter finds a Negative not persuasive by a vote equal to or greater than 90% of the persons voting on the action". (*Regulations* ¶ 9.6.4.4.2)			
	Use of "Not significant finding option" (check one)	X	It is mutually agreed upon to term the Negative "not significant".	**GO TO "Final" subsection → (D)**
			It is mutually agreed upon to term the Negative "significant".	**GO TO "Final" subsection → (C)**
			Whether or not the Negative is "not significant" is decided by a vote.	
	Motion		The Negative is "not significant".	
	Motion by/2nd by		Name (Company)/Name (Company)	
	Vote		XX-XX; Motion passed with simple majority	**GO TO "Final" subsection → (D)**
			XX-XX; Motion failed with simple majority	**GO TO "Final" subsection → (C)**
Final	**(check if applicable)**		**(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 and not addressed by Technical Change	**DOCUMENT FAILS**
			(F)	addressed by Technical Change (counted under **k** disposition)	
	(check if applicable)		Comment generated. See Section V-(ii) Comment # X.	

Voting Interest Reject 3- Voter Reject 2 (Voter: Albert Fuchigami / PEER Group, Inc.)

Negative 1 of Voting Interest Reject 3- Voter Reject 2

Negative	**Referenced Section/ Paragraph**	*TF/TC Chapter to fill in including text in the ballot if necessary.
	Negative Text	*Original complete Negative text (e.g., issue, justification, suggestion) should be copied.

		#1) Specifying Wafer Redirection via WFJ could conflict with Equipment's determination of where material should go per SEMI E94 CJ's MtrlOutSpec and MtrlOutByStatus attributes. **?CJ's MtrlOutSpec/MtrlOutByStatus tell the Equipment where material should go (by specification or based on substrate's processing result status)** **?If you redirect via WFJ, how will the Host know the destination specified by CJ definition is not being fulfilled anymore?** **?Does this requirement imply Tool must support MtrlOutSpec under the covers even if it doesn't per SEMI E94? (since Equipment needs to support more than Slot-To-Slot integrity and has to support moving substrate to destinations specified by the WFJ)?**			
	TF input (optional)	**The concept of WJM is to add wafer level services via WJ (WFJ) to PJ and CJ.** **So, as described in 7.8.3, WJ inherits the information related to the parent CJ from SEMI E94 CJM, also, the control done through WJ (via WFJ) is reflected to the CJ. This means that if there is a limitation in change of some attributes of CJ or WJ, the change shall not be done from consistency view point. In this revision, MtrlOutByStatus is not supported yet.** **Also, as long as the consistency is kept, the host gets the same status through CJ and WJ.** **TF would like you to accept this concept and withdraw your reject as TF would like to pass this document and add more explicit explanations as well as MtrlOUtByStatus in the next revision.** **[Albert – 2016/06/14] It is not clear in the current document (Section 7.8.3) who has priority if the WFJ specifies different destinations than what is defined in the CJ per SEMI E94. This will lead to different interpretations. Also, there is no mechanism defined in this ballot (or SEMI E94) to let the Host know the Control behavior has changed by the WFJ.**			
	Withdrawal (check one)	**X**	No Negative withdrawal made by Voter.		**GO TO "Related" subsection**
			Withdrawal document received by Standards staff on MM/DD/YYYY.		**GO TO "Final" subsection ➔ (A)**
Related	**Motion and Reason (check one)**	**X**	'Related' is mutually agreed upon. **(Needs no Motion.)**		**GO TO "Persuasive" subsection**
			Negative is not related. **(Needs ≥2/3 votes to pass.)**		
		■	Reason	XXXX	
	Motion by/2nd by	Name (Company)/Name (Company)			
	Discussion				
	Result of Vote (check one)	XX-XX; Motion passed/failed.			
			[Negative is not related.] <2/3		**GO TO "Persuasive" subsection**
			2/3≤ [Negative is not related.]		**GO TO "Final" subsection ➔ (B)**
Persuasive	**Motion and Reason (check one)**		Negative is related and persuasive. **(Needs >1/3 votes to pass.)**		
		X	Negative is related and not persuasive. **(Needs ≥2/3 votes to pass.)**		

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		Reason	**The negative is related but not persuasive.** **The concept of WJM is to add wafer level services via WJ(WFJ) to PJ and CJ.** **So, as described in 7.8.3, WJ inherits the information related to the parent CJ from SEMI E94 CJM, also, the control done through WJ (via WFJ) is reflected to the CJ. This means that if there is a limitation in change of some attributes of CJ or WJ, the change shall not be done from consistency view point.** **Also, as long as the consistency is kept, the host gets the same status through CJ and WJ.** **In this revision, MtrlOutByStatus is not supported yet.** **TF considers to add more explicit explanations as well as to cover MtrlOutByStatus in the next revision.**			
	Motion by/2nd by	Yoshihisa Takasaki (SCREEN)/ Naoko Murata (Tokyo Electron)				
	Discussion	None				
	Result of Vote (check one)	9-0; Motion passed.				
			[Negative is related and persuasive.] >1/3	Is a Technical Change Recommended ? (Y/N)	Y	**GO TO "Address by Technical Change Option" subsection**
			[Negative is related and not persuasive.] <2/3		N	**GO TO "Final" subsection → (E)**
			2/3≤ [Negative is related and not persuasive.] <90%	**GO TO "Final" subsection → (C)**		
		X	90% ≤ [Negative is related and not persuasive.]	**GO TO "Not Significant Finding Option" subsection**		

Address by Technical Change Option	**Technical Change**		Technical Change Recommended by the TF Note: Original section/paragraph number and at least one full sentence are required in "FROM" and "TO" fields.		
		1	**FROM: Section/Paragraph XXX**		
			TO: Section/Paragraph xxx		
			Justification (If necessary)		
		2	**FROM: Section/Paragraph XXX**		
			TO: Section/Paragraph xxx		
			Justification (If necessary)		
	Motion		Negative is addressed by the Technical Change.		
	Motion by/2nd by		Name (Company)/Name (Company)		
	Discussion				
	Result of Vote (check		XX-XX; Motion passed/failed.		

	one)			2/3≤ [Negative is addressed by the Technical Change.]	**GO TO "Incorporation of the Technical Change" subsection**
				[Negative is not addressed by the Technical Change.] < 2/3	**GO TO "Final" subsection → (E)**
	Incorporation of the Technical Change	**Motion**		To incorporate the Technical Change.	
		Motion by/2nd by		Name (Company)/Name (Company)	
		Discussion			
		Result of Vote (check one)		XX-XX; Motion passed/failed.	
				90% ≤ [Agree to incorporate.]	**GO TO "Final" subsection → (F)**
				[Disagree to incorporate.]>10%	**GO TO "Final" subsection → (E)**
Not Significant Finding Option	**This option can only be used "if the TC Chapter finds a Negative not persuasive by a vote equal to or greater than 90% of the persons voting on the action". (_Regulations_ ¶ 9.6.4.4.2)**				
	Use of "Not significant finding option" (check one)	**X**		It is mutually agreed upon to term the Negative "not significant".	**GO TO "Final" subsection → (D)**
				It is mutually agreed upon to term the Negative "significant".	**GO TO "Final" subsection → (C)**
				Whether or not the Negative is "not significant" is decided by a vote.	
	Motion			The Negative is "not significant".	
	Motion by/2nd by			Name (Company)/Name (Company)	
	Vote			XX-XX; Motion passed with simple majority	**GO TO "Final" subsection → (D)**
				XX-XX; Motion failed with simple majority	**GO TO "Final" subsection → (C)**
Final	**(check if applicable)**		**(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 and not addressed by Technical Change	**DOCUMENT FAILS**
			(F)	addressed by Technical Change (counted under **k** disposition)	
	(check if applicable)			Comment generated. See Section V-(ii) Comment # X.	

Negative 2 of Voting Interest Reject 3- Voter Reject 2

Negative	**Referenced Section/ Paragraph**	*TF/TC Chapter to fill in including text in the ballot if necessary.
	Negative Text	*Original complete Negative text (e.g., issue, justification, suggestion) should be copied.

		#2) WFJOBJ's NoPJInterrupt isn't granular enough to lock out other WJ in a WJ Flow created for the Tool. **?If there's one WFJ for the Tool, I don't think this will give the level of granularity required for the use case scenario?** **o CJ1 ? PJ1 ? 5 substrates ? OK to interrupt** **o CJ2 ? PJ2 ? 5 substrates ? Not OK to interrupt** **o CJ3 ? PJ3 ? 5 substrates ? OK to interrupt** **?Host would have to know when CJ2 is running to set NoPJInterrupt on the WFJ to ON, and if CJ2's execution is interleaved with other executing CJs, this will potentially lock out interrupt when it could be valid.** **?Does this mean we need to have more WFJ per Tool, or push NoPJInterrupt setting to WJ level?**			
	TF input (optional)	**Equipment has one WFJOBJ, and the WFJOBJ manages all WJ flows in the equipment.** **Currently, NoPJInterrupt is defined as an attribute of WFJOBJ. This means NoPJInterrupt is an attribute of the equipment and not an attribute of any particular set of WJs created by a PJ.** **So, a change of NoPJInterrupt during any job execution is not in scope of current specification.** **The TF would like you to understand the current scope and withdraw your reject. The TF is interested in the requirement you mentioned, and would like to have a study to move NoPJInterrupt attribute from WFJOBJ to PJG.** **[Albert – 2016/06/14] It is not clear in the current document that the NoPJInterrupt attribute should not be changed during job execution. How should it be used to prohibit insertion of non-product wafers in WJs created from one PJ? (Use Case described in Section 7.9.5) This will lead to different interpretations.**			
	Withdrawal (check one)	**X**	No Negative withdrawal made by Voter.		**GO TO "Related" subsection**
			Withdrawal document received by Standards staff on MM/DD/YYYY.		**GO TO "Final" subsection → (A)**
Related	**Motion and Reason (check one)**	**X**	'Related' is mutually agreed upon. **(Needs no Motion.)**		**GO TO "Persuasive" subsection**
			Negative is not related. **(Needs ≥2/3 votes to pass.)**		
		■	Reason	XXXX	
	Motion by/2nd by	Name (Company)/Name (Company)			
	Discussion				
	Result of Vote (check one)	XX-XX; Motion passed/failed.			
			[Negative is not related.] <2/3		**GO TO "Persuasive" subsection**
			2/3≤ [Negative is not related.]		**GO TO "Final" subsection → (B)**
Persuasive	**Motion and Reason (check one)**		Negative is related and persuasive. **(Needs >1/3 votes to pass.)**		
		X	Negative is related and not persuasive. **(Needs ≥2/3 votes to pass.)**		

		Reason	**The negative is related but not persuasive.** **Equipment has one WFJOBJ, and the WFJOBJ manages all WJ flows in the equipment.** **Currently, NoPJInterrupt is defined as an attribute of WFJOBJ. This means NoPJInterrupt is an attribute of the equipment and not an attribute of any particular set of WJs created by a PJ.** **So, a change of NoPJInterrupt during any job execution is not in scope of current specification.** **The TF is interested in the requirement the voter mentioned, and would like to have a study to move NoPJInterrupt attribute from WFJOBJ to PJG.**			

Motion by/2nd by	Yoshihisa Takasaki (SCREEN Semiconductor Solutions) / Naoko Murata (Tokyo Electron)
Discussion	None

Result of Vote (check one)

9-0; Motion passed.

	[Negative is related and persuasive.] >1/3	Is a Technical Change Recommended? (Y/N)	Y	**GO TO "Address by Technical Change Option" subsection**
	[Negative is related and not persuasive.] <2/3		N	**GO TO "Final" subsection → (E)**
	2/3≤ [Negative is related and not persuasive.] <90%	**GO TO "Final" subsection → (C)**		
X	90% ≤ [Negative is related and not persuasive.]	**GO TO "Not Significant Finding Option" subsection**		

Address by Technical Change Option

Technical Change Recommended by the TF

Note: Original section/paragraph number and at least one full sentence are required in "FROM" and "TO" fields.

Technical Change

1	**FROM: Section/Paragraph XXX**	
	TO: Section/Paragraph xxx	
	Justification (If necessary)	
2	**FROM: Section/Paragraph XXX**	
	TO: Section/Paragraph xxx	
	Justification (If necessary)	

Motion	Negative is addressed by the Technical Change.
Motion by/2nd by	Name (Company)/Name (Company)
Discussion	

Result of Vote (check one)

XX-XX; Motion passed/failed.

	2/3≤ [Negative is addressed by the Technical Change.]	**GO TO "Incorporation of the Technical Change" subsection**

			[Negative is not addressed by the Technical Change.] < 2/3	**GO TO "Final" subsection → (E)**
	Incorporation of the Technical Change	**Motion**	To incorporate the Technical Change.	
		Motion by/2nd by	Name (Company)/Name (Company)	
		Discussion		
		Result of Vote (check one)	XX-XX; Motion passed/failed.	
			90% ≤ [Agree to incorporate.]	**GO TO "Final" subsection → (F)**
			[Disagree to incorporate.]>10%	**GO TO "Final" subsection → (E)**
Not Significant Finding Option	**This option can only be used "if the TC Chapter finds a Negative not persuasive by a vote equal to or greater than 90% of the persons voting on the action". (*Regulations* ¶ 9.6.4.4.2)**			
	Use of "Not significant finding option" (check one)	X	It is mutually agreed upon to term the Negative "not significant".	**GO TO "Final" subsection → (D)**
			It is mutually agreed upon to term the Negative "significant".	**GO TO "Final" subsection → (C)**
			Whether or not the Negative is "not significant" is decided by a vote.	
	Motion		The Negative is "not significant".	
	Motion by/2nd by		Name (Company)/Name (Company)	
	Vote		XX-XX; Motion passed with simple majority	**GO TO "Final" subsection → (D)**
			XX-XX; Motion failed with simple majority	**GO TO "Final" subsection → (C)**
Final	**(check if applicable)**		**(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 and not addressed by Technical Change	**DOCUMENT FAILS**
			(F)	addressed by Technical Change (counted under **k** disposition)	
	(check if applicable)		Comment generated. See Section V-(ii) Comment # X.	

Disposition of Voting Interest Reject 3

5	Original number of Negatives	**(g)**
0	# of Negatives withdrawn	**(h)**
0	# of Negatives found not related	**(i)**
5	# of Negatives found not significant	**(j)**
0	# of Negatives addressed by Technical Change (Negative becomes not significant)	**(k)**

Final	X	**g - (h + i +j + k) = 0**	Reject **is Not Valid and is not** included in the denominator of § VI. *Approval Conditions Check*
		g - (h + i +j + k) >0	Reject **is** included in the denominator of § VI. *Approval Conditions Check*

	Reject without a Negative	**Not Valid**

Note: If all of the Negatives included with a Reject Vote are withdrawn, determined to be not related, or determined to be not significant, the Reject Vote is not valid. (*Regulations* ¶ 9.4.3.3)
Note: A Negative addressed by a technical change is automatically considered to be not significant. (*Regulations* ¶ 9.6.4.4.2)

Voting Interest Reject 4 (Voting Interest Name: GLOBALFOUNDRIES)
Voting Interest Reject 4- Voter Reject 1 (Voter: Jan Rothe / GLOBALFOUNDRIES Dresden Module One LLC & Co KG)
Negative 1 of Voting Interest Reject 4- Voter Reject 1

<table>
<tr>
<td rowspan="3">Negative</td>
<td>Referenced Section/ Paragraph</td>
<td colspan="4">*TF/TC Chapter to fill in including text in the ballot if necessary.

</td>
</tr>
<tr>
<td rowspan="2">Negative Text</td>
<td colspan="4">*Original complete Negative text (e.g., issue, justification, suggestion) should be copied.</td>
</tr>
<tr>
<td colspan="4">Reason #1:
Timing effects between message send & response can easily lead to race conditions and wrong settings being (re)sent by factory host.
As updates to WJOBJs are time-critical it is therefore necessary to define a service quality metric (i.e. maximum time allowed to respond to a host request) specifically for WJOBJ messages that exceeds standard definitions.
Otherwise this standard will become very dangerous due to unforeseeable time delays for equipment to respond to host messages & host reaction to that.</td>
</tr>
<tr>
<td colspan="2">TF input (optional)</td>
<td colspan="4"></td>
</tr>
<tr>
<td colspan="2" rowspan="2">Withdrawal (check one)</td>
<td>X</td>
<td colspan="2">No Negative withdrawal made by Voter.</td>
<td>GO TO "Related" subsection</td>
</tr>
<tr>
<td></td>
<td colspan="2">Withdrawal document received by Standards staff on MM/DD/YYYY.</td>
<td>GO TO "Final" subsection → (A)</td>
</tr>
<tr>
<td rowspan="8">Related</td>
<td rowspan="3">Motion and Reason (check one)</td>
<td>X</td>
<td colspan="2">'Related' is mutually agreed upon. (Needs no Motion.)</td>
<td>GO TO "Persuasive" subsection</td>
</tr>
<tr>
<td></td>
<td colspan="2">Negative is not related. (Needs ≥2/3 votes to pass.)</td>
<td></td>
</tr>
<tr>
<td style="background:black"></td>
<td>Reason</td>
<td>XXXX</td>
<td></td>
</tr>
<tr>
<td>Motion by/2nd by</td>
<td colspan="4">Name (Company)/Name (Company)</td>
</tr>
<tr>
<td>Discussion</td>
<td colspan="4"></td>
</tr>
<tr>
<td rowspan="3">Result of Vote (check one)</td>
<td colspan="4">XX-XX; Motion passed/failed.</td>
</tr>
<tr>
<td></td>
<td colspan="2">[Negative is not related.] <2/3</td>
<td>GO TO "Persuasive" subsection</td>
</tr>
<tr>
<td></td>
<td colspan="2">2/3≤ [Negative is not related.]</td>
<td>GO TO "Final" subsection → (B)</td>
</tr>
<tr>
<td>Motion and Reason</td>
<td></td>
<td colspan="3">Negative is related and persuasive. (Needs >1/3 votes to pass.)</td>
</tr>
</table>

		(check one)	X	Negative is related and not persuasive. **(Needs ≥2/3 votes to pass.)**				
Persuasive		Reason		**The negative is related but not persuasive.** **The services provided by Standards are not solutions but enablers. Normally, they simply perform single functional action to exchange information. The issues such as racing conditions caused by the equipment should be cared by solution by using several services appropriately. Services from the host to WJM may be used in synchronized way or in speculative way. In the synchronized case (such as pause, set, and resume), in nature, race condition doesn't occur. In the speculative case (such as 'try to set', 'see if succeed', and 'take appropriate action'), the host shall see if the setting is successfully done or not from the response to the service and continue appropriate sequence.**				
		Motion by/2nd by		Yoshihisa Takasaki (SCREEN Semiconductor Solutions) / Naoko Murata (Tokyo Electron)				
		Discussion		None				
		Result of Vote (check one)		9-0; Motion passed.				
					[Negative is related and persuasive.] >1/3	Is a Technical Change Recommended? (Y/N)	Y	**GO TO "Address by Technical Change Option" subsection**
					[Negative is related and not persuasive.] <2/3		N	**GO TO "Final" subsection → (E)**
					2/3≤ [Negative is related and not persuasive.] <90%	**GO TO "Final" subsection → (C)**		
				X	90% ≤ [Negative is related and not persuasive.]	**GO TO "Not Significant Finding Option" subsection**		
Address by Technical Change Option	**Technical Change Recommended by the TF** **Note: Original section/paragraph number and at least one full sentence are required in "FROM" and "TO" fields.**							
	Technical Change	1	**FROM: Section/Paragraph XXX**					
			TO: Section/Paragraph xxx					
			Justification (If necessary)					
		2	**FROM: Section/Paragraph XXX**					
			TO: Section/Paragraph xxx					
			Justification (If necessary)					
	Motion		Negative is addressed by the Technical Change.					
	Motion by/2nd by		Name (Company)/Name (Company)					
	Discussion							
	Result of Vote (check		XX-XX; Motion passed/failed.					

	one)			2/3≤ [Negative is addressed by the Technical Change.]	**GO TO "Incorporation of the Technical Change" subsection**
				[Negative is not addressed by the Technical Change.] < 2/3	**GO TO "Final" subsection → (E)**

Incorporation of the Technical Change	**Motion**	To incorporate the Technical Change.	
	Motion by/2nd by	Name (Company)/Name (Company)	
	Discussion		
	Result of Vote (check one)	XX-XX; Motion passed/failed.	
		90% ≤ [Agree to incorporate.]	**GO TO "Final" subsection → (F)**
		[Disagree to incorporate.]>10%	**GO TO "Final" subsection → (E)**

Not Significant Finding Option	**This option can only be used "if the TC Chapter finds a Negative not persuasive by a vote equal to or greater than 90% of the persons voting on the action". (*Regulations* ¶ 9.6.4.4.2)**			
	Use of "Not significant finding option" (check one)	**X**	It is mutually agreed upon to term the Negative "not significant".	**GO TO "Final" subsection → (D)**
			It is mutually agreed upon to term the Negative "significant".	**GO TO "Final" subsection → (C)**
			Whether or not the Negative is "not significant" is decided by a vote.	
	Motion	The Negative is "not significant".		
	Motion by/2nd by	Name (Company)/Name (Company)		
	Vote		XX-XX; Motion passed with simple majority	**GO TO "Final" subsection → (D)**
			XX-XX; Motion failed with simple majority	**GO TO "Final" subsection → (C)**

Final	**(check if applicable)**		**(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 and not addressed by Technical Change	**DOCUMENT FAILS**
			(F)	addressed by Technical Change (counted under **k** disposition)	
	(check if applicable)		Comment generated. See Section V-(ii) Comment # X.		

Disposition of Voting Interest Reject 4

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)**
0	# of Negatives addressed by Technical Change (Negative becomes not significant)			**(k)**
Final		**X**	**g** - (**h** + **i** +**j** + **k**) = 0	Reject **is Not Valid and is not** included in the denominator of § VI. *Approval Conditions Check*

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

Voting Interest Reject 5 (Voting Interest Name: Hitachi Kokusai Electric Inc)

Voting Interest Reject 5- Voter Reject 1 (Voter: Mitsuhiro Matsuda / Hitachi Kokusai Electric Inc.)

Negative 1 of Voting Interest Reject 5- Voter Reject 1

Negative	**Referenced Section/ Paragraph**	*TF/TC Chapter to fill in including text in the ballot if necessary.*		
	Negative Text	*Original complete Negative text (e.g., issue, justification, suggestion) should be copied.*		
		Reference Section / Paragraph: Table 24 TimeIn and TimeOut are not attribute for Substrate Object in E90, are used in SubstHistory attribute for Substrate Object. SubstHistory have serveral set of TimeIn and TimeOut for each location. It means these attributes in new Sandards shall define which position's TimeIn and TimeOut. Current table does have onle one location, but it need to have two locations, one for TimeIn and one for TimeOut.		
TF input (optional)				
Related	**Withdrawal (check one)**	X	No Negative withdrawal made by Voter.	**GO TO "Related" subsection**
			Withdrawal document received by Standards staff on MM/DD/YYYY.	**GO TO "Final" subsection → (A)**
	Motion and Reason (check one)	X	'Related' is mutually agreed upon. **(Needs no Motion.)**	**GO TO "Persuasive" subsection**
			Negative is not related. **(Needs ≥2/3 votes to pass.)**	
		■	Reason	XXXX
	Motion by/2nd by	Name (Company)/Name (Company)		
	Discussion			
	Result of Vote (check one)	XX-XX; Motion passed/failed.		
			[Negative is not related.] <2/3	**GO TO "Persuasive" subsection**

			2/3≤ [Negative is not related.]			GO TO "Final" subsection → (B)
Persuasive	**Motion and Reason (check one)**	X	Negative is related and persuasive. **(Needs >1/3 votes to pass.)**			
			Negative is related and not persuasive. **(Needs ≥2/3 votes to pass.)**			
		■	Reason	The negative is related and persuasive. TF proposes following changes by ratification ballot. a. Change TimeIn to TimeInCurrent as the same mnemonic shall not be used. b. Delete TimeOut as it is not needed for current status.		
	Motion by/2nd by	Yoshihisa Takasaki (SCREEN Semiconductor Solutions) / Naoko Murata (Tokyo Electron)				
	Discussion	None				
	Result of Vote (check one)	9-0; Motion passed.				
		X	[Negative is related and persuasive.] >1/3	Is a Technical Change Recommended? (Y/N)	Y	GO TO "Address by Technical Change Option" subsection
			[Negative is related and not persuasive.] <2/3		N	GO TO "Final" subsection → (E)
			2/3≤ [Negative is related and not persuasive.] <90%	GO TO "Final" subsection → (C)		
			90% ≤ [Negative is related and not persuasive.]	GO TO "Not Significant Finding Option" subsection		
Technical Change	**Technical Change Recommended by the TF** **Note: Original section/paragraph number and at least one full sentence are required in "FROM" and "TO" fields.**					

Table 1 Referenced Attributes and Variables

Name	Defined in[#1]	Description[#2]	Form[#2]
~~TimeIn~~	~~SEMI E00 STS~~	~~Actual arrival time of the substrate on the substrate location~~	~~The format of the timestamp defined by the protocol for implementation.~~
~~TimeOut~~	~~SEMI E00 STS~~	~~Actual departure time of the substrate from the substrate location or batch location. This will be an 'empty' item until the substrate has departed the location.~~	~~The format of the timestamp defined by the protocol for implementation.~~

#1 See original Standard for definition.

#2 Quotations from referenced Standards. In case differences are found, definitions in the referenced Standards precede the quotations here.

Table 14 Location Tracking Attribute Definition

Attribute Name	Definition	Access[#1]	Reqd	Form
TimeInCurrent ~~TimeIn~~	Actual arrival time of the substrate on the substrate location shown by SubstLocID or BatchLocID and SubstPosInBatch [SEMI E00 STS]	RO	Y	To be defined in Subordinate Standards ~~See definition in SEMI E00 STS~~
~~TimeOut~~	~~Actual departure time of the substrate from the substrate location or batch location. This will be an 'empty' item until the substrate has departed the location. [SEMI E00 STS]~~	~~RO~~	~~Y~~	~~See definition in SEMI E00 STS~~

#1 Even though a value may be marked as RO (read only), the initial value for the attribute may be provided by the host.

Table 24 WFJOBJ Attribute Data Definition from WJOBJ Location Tracking Data Definitions

Variable Name	Description	Type	Access	Comment
TimeInCurrent ~~TimeIn~~	Actual arrival time of the substrate on the substrate location shown by SubstLocID or BatchLocID and SubstPosInBatch [SEMI E00 STS]	To be defined in Subordinate Standards ~~See SEMI E00 STS~~	RO	
~~TimeOut~~	~~Actual departure time of the substrate from the substrate location or batch location. This will be an 'empty' item until the substrate has departed the location. [SEMI E00 STS]~~	~~See SEMI E00 STS~~	~~RO~~	

TO: Section/Paragraph

Justification (If necessary)

FROM: Section/Paragraph XXX

TO: Section/Paragraph xxx

Justification (If necessary)

Motion	Negative is addressed by the Technical Change.
Motion by/2nd by	Yoshihisa Takasaki (SCREEN Semiconductor Solutions) / Naoko Murata (Tokyo Electron)
Discussion	None
Result of Vote (check	9-0; Motion passed.

(Left margin, vertical text) Technical Change

1

2

	one)		X	2/3≤ [Negative is addressed by the Technical Change.]	**GO TO "Incorporation of the Technical Change" subsection**
				[Negative is not addressed by the Technical Change.] < 2/3	**GO TO "Final" subsection → (E)**
	Incorporation of the Technical Change	**Motion**	To incorporate the Technical Change.		
		Motion by/2nd by	Yoshihisa Takasaki (SCREEN Semiconductor Solutions) / Naoko Murata (Tokyo Electron)		
		Discussion	None		
		Result of Vote (check one)	9-0; Motion passed.		
			X	90% ≤ [Agree to incorporate.]	**GO TO "Final" subsection → (F)**
				[Disagree to incorporate.]>10%	**GO TO "Final" subsection → (E)**
Not Significant Finding Option	This option can only be used "if the TC Chapter finds a Negative not persuasive by a vote equal to or greater than 90% of the persons voting on the action". (*Regulations* ¶ 9.6.4.4.2)				
	Use of "Not significant finding option" (check one)			It is mutually agreed upon to term the Negative "not significant".	**GO TO "Final" subsection → (D)**
				It is mutually agreed upon to term the Negative "significant".	**GO TO "Final" subsection → (C)**
				Whether or not the Negative is "not significant" is decided by a vote.	
	Motion		The Negative is "not significant".		
	Motion by/2nd by		Name (Company)/Name (Company)		
	Vote			XX-XX; Motion passed with simple majority	**GO TO "Final" subsection → (D)**
				XX-XX; Motion failed with simple majority	**GO TO "Final" subsection → (C)**
Final	**(check if applicable)**			**(A)** withdrawn (counted under **h** in disposition)	
				(B) not related (counted under **i** in disposition)	
				(C) related and not persuasive (significant)	
				(D) not significant (counted under **j** in disposition)	
				(E) related and persuasive and not addressed by Technical Change	**DOCUMENT FAILS**
		X		**(F)** addressed by Technical Change (counted under **k** disposition)	
	(check if applicable)			Comment generated. See Section V-(ii) Comment # X.	

Disposition of Voting Interest Reject 5

1	Original number of Negatives	**(g)**
0	# of Negatives withdrawn	**(h)**
0	# of Negatives found not related	**(i)**
0	# of Negatives found not significant	**(j)**
1	# of Negatives addressed by Technical Change (Negative becomes not significant)	**(k)**

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

Note: If all of the Negatives included with a Reject Vote are withdrawn, determined to be not related, or determined to be not significant, the Reject Vote is not valid. (*Regulations* ¶ 9.4.3.3)

Note: A Negative addressed by a technical change is automatically considered to be not significant. (*Regulations* ¶ 9.6.4.4.2)

IV. Other Technical Issues

There is no other Technical Issues for Ballot 5601A

V. Comments

V- (i) Voters' Comments

Commenter 1 (Mie Sasaki / Tokyo Seimitsu Co., Ltd.) - Comment 1

<table>
<tr><td rowspan="7">Comment</td><td colspan="3">*TF/TC Chapter to fill in, if necessary.</td></tr>
<tr><td colspan="3">Some of the 'WFJOBJ' in Table 36 are 'WFOBJ'.
Please correct them.

I think it is better to add 'SEMI E170' to the '4.1 SEMI Standards and Safety Guidelines.'</td></tr>
<tr><td colspan="3"></td></tr>
<tr><td colspan="3"></td></tr>
<tr><td colspan="3"></td></tr>
</table>

<table>
<tr><td rowspan="7">Action</td><td colspan="2"> The TC Chapter agreed to do one of the following actions.</td></tr>
<tr><td colspan="2">*No motion is required in this step.</td></tr>
<tr><td></td><td>Already addressed by Commenter #, Comment #</td></tr>
<tr><td></td><td>No further action was taken by the TC Chapter.</td></tr>
<tr><td></td><td>Refer to the TF for more consideration.</td></tr>
<tr><td></td><td>New Business</td></tr>
<tr><td>X</td><td>Editorial Change</td></tr>
</table>

<table>
<tr><td rowspan="4">Options for Editorial Change (check one)</td><td></td><td>Case 1: No vote in this section :</td></tr>
<tr><td></td><td>To be included and voted on in <u>§ VI. Summary of Editorial Changes</u>.</td></tr>
<tr><td rowspan="2">X</td><td>Case 2: Voted in this section :</td></tr>
<tr><td>Original section number and at least one full sentence are required in "FROM" and "TO" fields.</td></tr>
</table>

<table>
<tr><td rowspan="3">Editorial Change</td><td rowspan="3">1</td><td>FROM: Section/Paragraph Table 36
Four "WFOBJ"</td></tr>
<tr><td>TO: Section/Paragraph Table 36
Four "WFJOBJ"</td></tr>
<tr><td>Justification (If necessary)</td></tr>
</table>

	2	FROM: Section/Paragraph **'4.1 SEMI Standards and Safety Guidelines.'**
		TO: Section/Paragraph **Add following line to '4.1 SEMI Standards and Safety Guidelines.'** **SEMI E170 - Secured Foundation Of Recipe Management System**
		Justification (If necessary)

Motion	To approve above editorial change(s)
Motion by/2nd by	Yoshihisa Takasaki (SCREEN Semiconductor Solutions) / Naoko Murata (Tokyo Electron)
Discussion	None
Vote	9-0; Motion passed.

Commenter 2 (Pieter Knelissen / ASML) - Comment 1

	Comment	***TF/TC Chapter to fill in, if necessary.** **If I look at the problems to be solved cq the use cases to be supported, I see 3 major functional areas :** **1. Set processing instructions specific for a wafer (substrate) e.g. at creation of a PJ.** **2. Update processing instructions specific for a wafer after creation of a PJ.** **3. Reporting about a specific wafer.** **4. (location) tracking of a specific wafer.** **These functional areas are already (largely) covered by existing standards. I feel that creating a new standard to fill the gaps is an expensive solution.** **My suggestion would be for the above mentioned functional areas :** **1. Consider an update of E40.** **2. Consider an update of E40.** **3. Already possible via E30, E90, E39.** **4. Already possible via E30, E40, E39.**

	Action		**The TC Chapter agreed to do one of the following actions.**
			*No motion is required in this step.
			Already addressed by Commenter #, Comment #
		X	No further action was taken by the TC Chapter.
			Refer to the TF for more consideration.
			New Business
			Editorial Change
		Options for Editorial Change	**Case 1: No vote in this section :**
			To be included and voted on in § VI. Summary of Editorial Changes.
			Case 2: Voted in this section :

	(check one)		Original section number and at least one full sentence are required in "FROM" and "TO" fields.
Editorial Change	1	FROM: Section/Paragraph xxx	
		TO: Section/Paragraph xxx	
		Justification (If necessary)	
	2	FROM: Section/Paragraph xxx	
		TO: Section/Paragraph xxx	
		Justification (If necessary)	
Motion		To approve above editorial change(s)	
Motion by/2nd by		Name (Company)/Name (Company)	
Discussion		XXXX	
Vote		XX-XX; Motion passed/failed.	

V-(ii) Comments Created by handling Negative

There is no Comments Created by handling Negative for Ballot 5601A

VI. Editorial Changes other than those dealt with in Section V.

There is no Editorial Changes other than those dealt with in Section V for Ballot 5601A

VII. Approval Conditions Check
VII - (i). Approval Rate

APPROVAL CONDITION 1: All Negatives have been discussed and were withdrawn, found not related, found not persuasive, or addressed by a Technical Change. (*Regulations* ¶ 9.7.1.2)

APPROVAL CONDITION 2: At least 90% of the sum of valid Voting Interest Accept and Voting Interest Reject Votes must be Accept. (*Regulations* ¶ 9.7.1.3)

Note: If both approval conditions are not satisfied, the Document fails.

		Accepts		(Accepts + Valid Rejects)				
Approval Rate	=	**26**	/	**26**	=	**100.0%**		>=90%

A&R Ballot Report Template Revision 1.06

VII – (ii) Approval Level (check one)
See § 9.7.2 of the *Regulations* for further information

	The Letter Ballot meets the Letter Ballot Approval Conditions for the global technical committee
X	**The Letter Ballot the Letter Ballot Approval Conditions for the TC Chapter and a Ratification Ballot will be issued to verify Technical Changes**

VIII. Safety Check
See § 15 of the *Regulations* for further information.

<table>
<tr><td rowspan="3">Motion:</td><td>X</td><td>This is not a Safety Document, when all safety-related information is removed, the Document is still technically sound and complete. (<i>Regulations</i> ¶ 8.7.1)</td></tr>
<tr><td></td><td>This is a Safety Document, when all safety-related information is removed, the Document is not technically sound and complete. (<i>Regulations</i> ¶ 8.7.2)</td></tr>
<tr><td></td><td>Safety Checklist (<i>Regulations</i> ¶ 15.3) is complete and has been included with the Document throughout the balloting process. (<i>Regulations</i> ¶¶ 15.1.2)</td></tr>
<tr><td colspan="2">Motion by/2nd by</td><td>Yoshihisa Takasaki (SCREEN Semiconductor Solutions) / Naoko Murata (Tokyo Electron)</td></tr>
<tr><td colspan="2">Discussion</td><td>None</td></tr>
<tr><td colspan="2">Vote</td><td>9-0; Motion passed.</td></tr>
</table>

IX. Intellectual Property (IP) Check
Note: This Letter Ballot may cover all or part of a Standard or Safety Guideline. This IP check applies to the entire Standard or Safety Guideline. See § 16 of the *Regulations* for further information.

<table>
<tr><td>X</td><td colspan="3">The TC Chapter meeting chair asked those participating, if they were aware of any potentially material patented technology or copyrighted items* in the Standard or Guideline. (<i>Regulations</i> ¶ 8.8.1)</td></tr>
<tr><td></td><td>X</td><td>No potentially material patented technology or reproduction of copyrighted items are known.</td><td>GO TO SECTION IX</td></tr>
<tr><td></td><td></td><td>Potentially material patented technology or reproduction of copyrighted items are known, but a Letter of Assurance (LOA) or copyright release letter for such items has been obtained or presented to the TC Chapter.</td><td>GO TO SECTION IX</td></tr>
<tr><td></td><td></td><td colspan="2">Potentially material patented technology or reproduction of copyrighted items are known and use of such materials is technically justified by the TC Chapter, but an LOA or copyright release letter for some of the item(s) has NOT been obtained or presented to the TC Chapter.</td></tr>
<tr><td></td><td rowspan="3">MOTION</td><td></td><td colspan="2">Ask ISC for special permission to publish.</td></tr>
<tr><td></td><td></td><td colspan="2">Quit activity.</td></tr>
<tr><td></td><td></td><td colspan="2">Wait for LOA for patented technology or release of copyrighted items.</td></tr>
<tr><td colspan="2">Motion by/2nd by</td><td colspan="2">Name (Company)/Name (Company)</td></tr>
<tr><td colspan="2">Discussion</td><td colspan="2">XXXX</td></tr>
<tr><td colspan="2">Vote</td><td colspan="2">XX-XX</td></tr>
<tr><td colspan="2" rowspan="2">Final Action</td><td></td><td>Motion Passed</td></tr>
<tr><td></td><td>Motion Failed</td></tr>
</table>

X. Action for This Document

Motion		
		This Document passed TC Chapter review as balloted and will be forwarded to the A&R SC for procedural review.
		This Document passed TC Chapter review with editorial changes and will be forwarded to the A&R SC for procedural review.
	X	This Document passed TC Chapter review with Technical Changes and with or without editorial changes and will be forwarded to the A&R SC for procedural review. A Ratification Ballot will be issued to verify the Technical Changes.
		This Document failed TC Chapter review and will be returned to the TF for rework.
		This Document failed TC Chapter review and work will be discontinued.
Motion by/2nd by		Yoshihisa Takasaki (SCREEN Semiconductor Solutions) / Naoko Murata (Tokyo Electron)
Discussion		None
Vote		9-0
Final Action	X	Motion passed
		Motion failed

Standards staff to record the result of the A&R procedural review here:

A&R		Approved for publication
		Approved pending for acceptance of the Ratification Ballot
		Not approved
	Reason:	