

Procedural Review Voting Sheet 2011 Cycle 5

REGION: Japan
COMMITTEE: EHS Committee
EVENT: Japan Fall Standards Meetings 2011
DATE OF MEETING: 2011/09/26
PLACE OF MEETING: SEMI Japan, Tokyo, Japan
COMMITTEE CO-CHAIRS: Supika Mashiro/ Tokyo Electron, Hidetoshi Sakura/ Intel, Moray Crawford/ Hatsuta Seisakusho
SEMI STAFF: Akiko Yamamoto

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

I. Document Number & Title

Document 4400C	Revision to SEMI S18-1102: Environmental, Health and Safety Guideline for Silane Family Gases Handling with title change to “Environmental, Health and Safety Guideline for Flammable Silicon Compounds”
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II. Tally (Staff to fill in)

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

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

	Return	Distribution	Return Rate	
Yellow	49	81	60.5%	>=60%
Lilac & Others	5			
Total Vote	54			
Reject	1			
Accept	25			

A&R	Not approved
	Reason:

III. Rejects

Reject 1 (Naokatsu Nishiguchi / Dainippon Screen Manufacturing)

Negative 1 of Reject 1

Negative	Referenced Section	4.1	
	Reason	<p>4.1 SEMI Standards and Safety Guidelines に S26 を追加して下さい。 Please add SEMI S26 to section 4.1 “SEMI Standards and Safety Guidelines”.</p> <p>1.2 に「This guideline is also intended as a minimum set of safety and health design criteria for semiconductor, FPD, PV manufacturing equipment and other equipment that uses flammable silicon compounds for processing.」と記述されており、半導体製造装置のみでなく、FPD 製造装置、PV 製造装置が含まれている。 従って 4.1 SEMI Standards and Safety Guidelines に、S26 も記述されるべきである。</p> <p>“This guideline is also intended as a minimum set of safety and health design criteria for semiconductor, FPD, PV manufacturing equipment and other equipment that uses flammable silicon compounds for processing.” is described in section 1.2. Not only semiconductor manufacturing equipment but also FPD and PV manufacturing equipment are included in the scope of this document.</p>	
Withdrawal	<input checked="" type="checkbox"/>	No withdrawal made	GO TO “Related” section
	<input type="checkbox"/>	Withdrawal document received by staff on XXXX	GO TO “Final” → (A)
Related	Motion and Reason	<input checked="" type="checkbox"/>	<p>“Related” is mutually agreed upon.</p> <p>*This motion can be appended to the motion for Persuasive (See Persuasive Section)</p>
		<input type="checkbox"/>	Negative is related (needs over 1/3 votes to pass)
		<input type="checkbox"/>	Negative is not related (needs 2/3 or more votes to pass)
		<input type="checkbox"/>	Reason XXXX
	Motion by/2nd by	Name (Company)/Name (Company)	
	Discussion		
	Result of Vote (check ONE)	<input type="checkbox"/>	[Negative is related] > 1/3
<input type="checkbox"/>		[Negative is not related] < 2/3	
<input type="checkbox"/>		2/3=< [Negative is not related]	GO TO “Final” → (B)
<input type="checkbox"/>			
Persuasive	Motion and Reason	<input type="checkbox"/>	Negative is related and persuasive (needs over 1/3 votes to pass)
		<input checked="" type="checkbox"/>	Negative is related and not persuasive (needs 2/3 or more votes to pass)
	Reason	As balloted, the document doesn't reference S26. Therefore entry of S26 should not be included in the “Referenced Standard” section. See Style Manual.	
	Motion by/2nd by	Supika Mashiro (Tokyo Electron)/ Moray Crawford (Hatsuta Seisakusho)	
	Discussion	None.	
Result of Vote	7-0		

		[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)		
		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
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)	
	X (C)	related and not persuasive (significant)	
	(D)	not significant (counted under j in disposition)	
	(E)	related and persuasive	DOCUMENT FAILS
	Comment generated. See comment #x		
A&R	Not approved Reason:		

Negative 2 of Reject 1

Negative	Referenced Section	7
	Reason	このドキュメントは「design criteria」であるので、評価を行う際に、誰が評価（例えば、evaluating party）し、何をもって§8 through §15 の要求事項に対して適合していると判断したのか、またはその判断方法、及び評価結果をドキュメント化することを記述して下さい。 This document describes “design criteria”. Therefore, please describe who evaluates it (e.g. evaluating party), judgment grounds and methods, and making the evaluation result a document..
		「the criteria of §8 through §15」に対する適合性を評価者は評価を実施することが必要であるが、判断基準または方法、評価者の資格（要否も含めて）、評価結果のドキュメント化について明確化することが必要である。 It is necessary to describe the above-mentioned content clearly in section 7

Withdrawal		No withdrawal made	GO TO "Related" section	
	X	Withdrawal document received by staff on 2011/09/26	GO TO "Final" → (A)	
Related	Motion and Reason	"Related" is mutually agreed upon.		
		*This motion can be appended to the motion for Persuasive (See Persuasive Section)		
		Negative is related (needs over 1/3 votes to pass)		
		Negative is not related (needs 2/3 or more votes to pass)		
		Reason	XXXX	
	Motion by/2nd by	Name (Company)/Name (Company)		
	Discussion			
Result of Vote (check ONE)	XX-XX			
		[Negative is related] > 1/3	GO TO "Persuasive"	
		[Negative is not related] < 2/3		
		2/3=< [Negative is not related]	GO TO "Final" → (B)	
Persuasive	Motion and Reason	Negative is related and persuasive (needs over 1/3 votes to pass)		
		Negative is related and not persuasive (needs 2/3 or more votes to pass)		
		Reason		
	Motion by/2nd by	Name (Company)/Name (Company)		
	Discussion	The S18 Revision TF will consider revising the document after publication.		
	Result of Vote (check ONE)	XX-XX		
			[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)

		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)			
		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:			
	<input checked="" type="checkbox"/> (A)	withdrawn (counted under h in disposition)		
	<input type="checkbox"/> (B)	not related (counted under i in disposition)		
	<input type="checkbox"/> (C)	related and not persuasive (significant)		
	<input type="checkbox"/> (D)	not significant (counted under j in disposition)		
	<input type="checkbox"/> (E)	related and persuasive	DOCUMENT FAILS	
		Comment generated. See comment #x		
A&R	Not approved			
	Reason:			

Negative 3 of Reject 1

Negative	Referenced Section	
	Reason	<p>14 Equipment intended to use flammable silicon compounds</p> <p>14.3.1 Equipment interface points for the facilities gas supply piping should be designed with seismic bracing as needed to achieve the seismic protection detailed in SEMI S2.</p> <p>14.3.5.1 If an enclosure is required to contain hazardous gas mixture in the event of chamber rupture, the enclosure should be ventilated and evaluated per SEMI S2 and SEMI S6.</p> <p>14.3.6 The results of the tests specified in SEMI S6, should indicate that ambient concentration of flammable silicon mixture is controlled within the level specified in SEMI S2 during maintenance activities.</p> <p>14.5.2 As for any other safety design consideration-aspect of process equipment, SEMI S2 provided criteria for assessing and managing safety risks.</p> <p>14.8.1 Hazard alert labels should be designed in accordance with SEMI S1. Where such labels are to be placed should be decided in accordance with SEMI S2.</p> <p>14 Equipment intended to use flammable silicon compounds の上記のような関連するセクションの記述に S26 を追加して下さい。</p> <p>Please add S26 to the description of the relating section like the above-mentioned.</p>

		<p>1.2 に「This guideline is also intended as a minimum set of safety and health design criteria for semiconductor, FPD, PV manufacturing equipment and other equipment that uses flammable silicon compounds for processing.」と記述されており、半導体製造装置のみでなく、FPD 製造装置、PV 製造装置が含まれている。</p> <p>従って 4.1 SEMI Standards and Safety Guidelines に、S26 も記述されるべきである。</p> <p>“This guideline is also intended as a minimum set of safety and health design criteria for semiconductor, FPD, PV manufacturing equipment and other equipment that uses flammable silicon compounds for processing.” is described in section 1.2.</p> <p>Not only semiconductor manufacturing equipment but also FPD and PV manufacturing equipment are included in the scope of this document.</p>	
Withdrawal		No withdrawal made	GO TO “Related” section
	X	Withdrawal document received by staff on 2011/09/26	GO TO “Final” → (A)
Related	Motion and Reason	“Related” is mutually agreed upon.	
		*This motion can be appended to the motion for Persuasive (See Persuasive Section)	
		Negative is related (needs over 1/3 votes to pass)	
		Negative is not related (needs 2/3 or more votes to pass)	
	Reason	XXXX	
	Motion by/2nd by	Name (Company)/Name (Company)	
	Discussion		
Result of Vote (check ONE)	XX-XX		
	[Negative is related] > 1/3	GO TO “Persuasive”	
	[Negative is not related] < 2/3		
	2/3=< [Negative is not related]	GO TO “Final” → (B)	
Persuasive	Negative is related and persuasive (needs over 1/3 votes to pass)		
	Negative is related and not persuasive (needs 2/3 or more votes to pass)		
	Reason		
	Motion by/2nd by	Name (Company)/Name (Company)	
	Discussion	The S18 Revision TF will consider revising the document after publication.	
	Result of Vote (check ONE)	XX-XX	
[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)
		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)		
		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:		
	<input checked="" type="checkbox"/> (A)	withdrawn (counted under h in disposition)	
	<input type="checkbox"/> (B)	not related (counted under i in disposition)	
	<input type="checkbox"/> (C)	related and not persuasive (significant)	
	<input type="checkbox"/> (D)	not significant (counted under j in disposition)	
	<input type="checkbox"/> (E)	related and persuasive	DOCUMENT FAILS
	Comment generated. See comment #x		
A&R	<input type="checkbox"/>	Not approved	
		Reason:	

Disposition of Reject 1

3	Original number of Negatives	(g)	
2	# of Negatives withdrawn	(h)	
0	# of Negatives found not related	(i)	
0	# of Negatives found not significant	(j)	
Final		$g-(h+i+j)=0$	<input type="checkbox"/> Reject is Not Valid and is not included in the denominator of § VI. Approval Conditions Check
	X	$g-(h+i+j)>0$	<input type="checkbox"/> Reject is included in the denominator of § VI. Approval Conditions Check
		Reject without a Negative	<input type="checkbox"/> 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

Comment	Referenced Section	Footnote 6 bottom of page 3
	From	Sean Larsen (Lam Research AG)
	Comment	For consistency and compliance with style manual, the “6” should not be superscripted
	Discussion	
Action proposed	<input checked="" type="checkbox"/>	The committee agreed to do one of the following actions. *No motion is required in this step.
	<input type="checkbox"/>	No further action was taken by the committee.
	<input type="checkbox"/>	Refer to the task force for more consideration.
	<input type="checkbox"/>	New Business
	<input checked="" type="checkbox"/>	Other
	Editorial Change	
	<input type="checkbox"/>	Case 1: No vote in this section : To be included and voted on in § 5. Summary of Editorial Changes.
	<input checked="" type="checkbox"/>	Case 2: Voted in this section : Original section number and at least one full sentence are required in “FROM” and “TO” fields.
	1	FROM: Page 3 Footnote ⁶ FM Global, http://www.fmglobal.com To: Page 3 Footnote 6 FM Global, http://www.fmglobal.com Justification (if necessary)
	2	FROM: Section xxx To: Section xxx Justification (if necessary)
Motion by/2nd	Supika Mashiro (Tokyo Electron)/ Moray Crawford (Hatsuta Seisakusho)	
Vote	8-0 Motion passed.	
A&R	<input type="checkbox"/>	Not approved Reason:

Comment 2

Comment	Referenced Section	Note 6 after 5.3.8	
	From	Sean Larsen (Lam Research AG)	
	Comment	Adding a space before and after “ISO” would make this more readable.	
	Discussion	No space is necessary for “ISO” and Standard number	
Action proposed	<input checked="" type="checkbox"/>	The committee agreed to do one of the following actions.	
		*No motion is required in this step.	
	<input checked="" type="checkbox"/>	No further action was taken by the committee.	
	<input type="checkbox"/>	Refer to the task force for more consideration.	
	<input type="checkbox"/>	New Business	
	<input type="checkbox"/>	Other	
	Editorial Change		
	<input type="checkbox"/>	Case 1: No vote in this section :	
		To be included and voted on in § 5. Summary of Editorial Changes.	
	<input type="checkbox"/>	Case 2: Voted in this section :	
	Original section number and at least one full sentence are required in “FROM” and “TO” fields.		
<input type="checkbox"/>	1	FROM: Section xxx	
		To: Section xxx	
		Justification (if necessary)	
<input type="checkbox"/>	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	<input type="checkbox"/>	Not approved	
		Reason:	

Comment 3

Comment	Referenced Section	5.3.26	
	From	Sean Larsen (Lam Research AG)	
	Comment	This term no longer appears to be used within the document. Suggestion / Justification Delete the term.	
	Discussion		
Action proposed	<input checked="" type="checkbox"/>	The committee agreed to do one of the following actions. *No motion is required in this step.	
	<input type="checkbox"/>	No further action was taken by the committee.	
	<input type="checkbox"/>	Refer to the task force for more consideration.	
	<input type="checkbox"/>	New Business	
	<input checked="" type="checkbox"/>	Other	
	Editorial Change		
	<input type="checkbox"/>	Case 1: No vote in this section : To be included and voted on in § 5. Summary of Editorial Changes.	
	<input checked="" type="checkbox"/>	Case 2: Voted in this section : Original section number and at least one full sentence are required in “FROM” and “TO” fields.	
	1	FROM: Section 5.3.26 5.3.26 <i>safe shutdown condition</i> — a condition in which all hazardous energy sources are removed or suitably contained and hazardous production materials are removed or contained, unless this results in increased risk. To: Delete Section 5.3.26 5.3.26 <i>safe shutdown condition</i> — a condition in which all hazardous energy sources are removed or suitably contained and hazardous production materials are removed or contained, unless this results in increased risk. Justification (if necessary)	
	2	FROM: Section xxx To: Section xxx Justification (if necessary)	

Motion by/2nd	Supika Mashiro (Tokyo Electron)/ Moray Crawford (Hatsuta Seisakusho)	
Vote	8-0 Motion passed.	
A&R	<input type="checkbox"/>	Not approved
	Reason:	

Comment 4

Comment	Referenced Section	Table 1 & §§ 6, 9, 10, 11, 12, 13, 15, Appendix 3,
	From	Sean Larsen (Lam Research AG)
	Comment	<p>COMMENT</p> <p>There is an apparent conflict in scope of the document. Table 1 defines the scope of chemicals for this document and doesn't include a single corrosive compressed gas, yet the columns in the referenced sections provide criteria for these types of gases.</p> <p>Suggestion / Justification</p> <p>Add either a Table note to Table 1 (preferable) or a note in section 2.1 (acceptable as states the intent) to the effect of "While no corrosive compressed silane family gasses are included within the scope of this document, the following sections include criteria for this type of gas both to a) provide reference material in the event that such a gas is developed and considered for use in semiconductor, FPD or PV manufacturing equipment, and b) preserve the work that was done by this task force in the event that the scope of S18 is increased in the future."</p>
	Discussion	<p>Intention of having blank column in the table 1 is understandable.</p> <p>Even there is no known chemical categorized into corrosive compressive gas, covering the concept of gas category that is corrosive and compressed gas is useful. In order to cover flammable mixture that falls into compressed gas criterion and having corrosiveness as well as to provide reference material in the event that such a gas is developed and considered for use in semiconductor, the column is necessary.</p>
Action proposed	<input checked="" type="checkbox"/>	The committee agreed to do one of the following actions.
		*No motion is required in this step.
	<input checked="" type="checkbox"/>	No further action was taken by the committee.
	<input type="checkbox"/>	Refer to the task force for more consideration.
	<input type="checkbox"/>	New Business
	<input type="checkbox"/>	Other
	Editorial Change	
<input type="checkbox"/>	Case 1: No vote in this section :	
	To be included and voted on in § 5. Summary of Editorial Changes.	
<input type="checkbox"/>	Case 2: Voted in this section :	

		Original section number and at least one full sentence are required in “FROM” and “TO” fields.
	1	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	<input type="checkbox"/>	Not approved
	Reason:	

Comment 5

Comment	Referenced Section	Note 13 After 6.3.2
	From	Sean Larsen (Lam Research AG)
	Comment	COMMENT It is unclear why the preceding notes have applicable categories marked, but Note 13 does not. Suggestion / Justification What is the intended significance by not indicating this material being applicable to any type of material within scope of the document? It would seem that it should be deleted if it is not applicable to any particular material within scope of the document.
	Discussion	2.4 clearly states how section/paragraph/NOTE applies in the absence of right hand columns.
Action	<input checked="" type="checkbox"/>	The committee agreed to do one of the following actions.
		*No motion is required in this step.
	<input checked="" type="checkbox"/>	No further action was taken by the committee.
	<input type="checkbox"/>	Refer to the task force for more consideration.
	<input type="checkbox"/>	New Business
	<input type="checkbox"/>	Other

Editorial Change		
		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:	

Comment 6

Comment	Referenced Section	General Notes
	From	Sean Larsen (Lam Reserch AG)
	Comment	Please consistently format notes with a single space after the colon to make more readable and conform with Style Manual 1-12.
	Discussion	Better to ask the publications to check when they do the final formatting.
Action	<input checked="" type="checkbox"/>	The committee agreed to do one of the following actions.
		*No motion is required in this step.
	<input checked="" type="checkbox"/>	No further action was taken by the committee.
	<input type="checkbox"/>	Refer to the task force for more consideration.
	<input type="checkbox"/>	New Business
	<input type="checkbox"/>	Other

Editorial Change		
		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:	

Comment 7

Comment	Referenced Section	NOTE 45 after 12.4.2.5 Note 67 after 14.4.4
	From	Sean Larsen (Lam Research AG)
	Comment	Decrease the font size to align with the style manual.
	Discussion	Better to ask the publications to change font size to 9 for NOTE 45 and 67 as formatting change.
Action	<input checked="" type="checkbox"/>	The committee agreed to do one of the following actions. *No motion is required in this step.
	<input checked="" type="checkbox"/>	No further action was taken by the committee.
	<input type="checkbox"/>	Refer to the task force for more consideration.
	<input type="checkbox"/>	New Business

	Other
Editorial Change	
	Case 1: No vote in this section : To be included and voted on in <u>§ 5. Summary of Editorial Changes.</u>
	Case 2: Voted in this section : Original section number and at least one full sentence are required in “FROM” and “TO” fields.
	1
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:

Comment 8

Comment	Referenced Section	12.9.1.3
	From	Sean Larsen (Lam Research AG)
	Comment	<p>It seems that a very similar note should be added after this paragraph as is included after 12.6.6 (a.k.a. note 52) as the concern and need for a window is the same.</p> <p>Suggestion / Justification Add a reworded note similar to note 52 after this paragraph. I am not sure if a liquid container cabinet would also be called a “cylinder cabinet”. Both notes should reference section 14.3.4.3 for design recommendations.</p>
	Discussion	

X	The committee agreed to do one of the following actions.	
	*No motion is required in this step.	
X	<input type="checkbox"/>	No further action was taken by the committee.
	<input type="checkbox"/>	Refer to the task force for more consideration.
	<input checked="" type="checkbox"/>	New Business
	<input type="checkbox"/>	Other
Action proposed	Editorial Change	
	1	Case 1: No vote in this section :
		To be included and voted on in § 5. Summary of Editorial Changes.
	2	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:	

Comment 9

Comment	Referenced Section	14.2.6
	From	Sean Larsen (Lam Research AG)

	Comment	There appears to either be a redundancy problem, or an implied but not stated limitation in the term “any flammable silicon compounds with oxidizer compounds” that requires the additional “with flammable silicon compounds” to immediately follow. Suggestion / Justification Either delete the redundant “with flammable silicon compounds” or clarify what is otherwise intended. The former I believe could be done as an editorial change, the latter, probably not.
	Discussion	
Action proposed	<input checked="" type="checkbox"/>	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.
		New Business
	<input checked="" type="checkbox"/>	Other
	Editorial Change	
		Case 1: No vote in this section :
		To be included and voted on in <u>§ 5. Summary of Editorial Changes.</u>
	<input checked="" type="checkbox"/>	Case 2: Voted in this section : Original section number and at least one full sentence are required in “FROM” and “TO” fields.
	1	FROM: Section 14.2.6 If equipment is designed to flow any flammable silicon compounds with oxidizer gases with flammable silicon compounds to a chamber simultaneously, the flows should be controlled so that concentrations and pressures of those gases do not pose unacceptable risks. To: Section 14.2.6 If equipment is designed to flow any flammable silicon compounds with oxidizer gases with flammable silicon compounds to a chamber simultaneously, the flows should be controlled so that concentrations and pressures of those gases do not pose unacceptable risks. Justification (If necessary) Deleted redundant phrase.
	2	FROM: Section xxx

		To: Section xxx
		Justification (if necessary)
Motion by/2nd		Supika Mashiro (Tokyo Electron)/ Moray Crawford (Hatsuta Seisakusho)
Vote		8-0 Motion passed.
A&R	<input type="checkbox"/>	Not approved
		Reason:

Comment 10

Comment	Referenced Section	14.3.1
	From	Sean Larsen (Lam Research AG)
	Comment	<p>1) This criterion seems worthwhile for the entire facility gas supply piping, not just at the equipment interface point.</p> <p>2) There seems to beg for a corresponding criterion that the seismic attachment point actually be used on equipment that uses or contains flammable silicon compounds.</p> <p>Suggestion / Justification Modify as thought appropriate by the TF.</p>
	Discussion	
Action proposed	<input checked="" type="checkbox"/>	The committee agreed to do one of the following actions.
		*No motion is required in this step.
	<input type="checkbox"/>	No further action was taken by the committee.
	<input type="checkbox"/>	Refer to the task force for more consideration.
	<input checked="" type="checkbox"/>	New Business
	<input type="checkbox"/>	Other
	Editorial Change	
	<input type="checkbox"/>	Case 1: No vote in this section :
		To be included and voted on in § 5. Summary of Editorial Changes.
	<input type="checkbox"/>	Case 2: Voted in this section :
	Original section number and at least one full sentence are required in "FROM" and "TO" fields.	
1	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	<input type="checkbox"/>	Not approved
	Reason:	

Comment 11

Comment	Referenced Section	14.3.5.2
	From	Sean Larsen (Lam Research AG)
	Comment	<p>As written, it appears that “chamber” could apply to the gas cylinder or liquid container and then “enclosure” could apply to the gas cabinet that they sit within. This would then require gas panel interlocks that I am not aware of are standard practice in this industry (whether or not they should be is another question).</p> <p>Suggestion / Justification If the admittedly stretch interpretation is not desired, I believe adding the word “process” before the word “chamber” would address the possible ambiguity.</p>
	Discussion	It is understandable for the reader that “Section 14 Equipment Intended to Use Flammable Silicon Compounds” is applicable only to process equipment.
Action proposed	<input checked="" type="checkbox"/>	The committee agreed to do one of the following actions.
		*No motion is required in this step.
	<input checked="" type="checkbox"/>	No further action was taken by the committee.
	<input type="checkbox"/>	Refer to the task force for more consideration.
	<input type="checkbox"/>	New Business
	<input type="checkbox"/>	Other
	Editorial Change	
		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:	

Comment 12

Comment	Referenced Section	14.6.3
	From	Sean Larsen (Lam Research AG)
	Comment	Add “with” between “can react” and “each other” to improve grammar.
	Discussion	
Action proposed	<input checked="" type="checkbox"/>	The committee agreed to do one of the following actions.
		*No motion is required in this step.
	<input type="checkbox"/>	No further action was taken by the committee.
	<input type="checkbox"/>	Refer to the task force for more consideration.
	<input type="checkbox"/>	New Business
	<input checked="" type="checkbox"/>	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 :
	X	Original section number and at least one full sentence are required in “FROM” and “TO” fields.
	1	<p>FROM: Section 14.6.3 Mixing of flammable silicon compounds and oxidizer gases within the secondary containment enclosures (and the secondary exhaust ducts from those enclosures) should be avoided if they can react each other under normal operating conditions or reasonably foreseeable fault conditions.</p> <p>To: Section 14.6.3 Mixing of flammable silicon compounds and oxidizer gases within the secondary containment enclosures (and the secondary exhaust ducts from those enclosures) should be avoided if they can react with each other under normal operating conditions or reasonably foreseeable fault conditions.</p> <p>Justification (If necessary) Grammatical error correction</p>
	2	<p>FROM: Section xxx</p> <p>To: Section xxx</p> <p>Justification (If necessary)</p>
	Motion by/2nd	Supika Mashiro (Tokyo Electron)/ Moray Crawford (Hatsuta Seisakusho)
	Vote	8-0 Motion passed.
A&R		Not approved
		Reason:

Comment 13

Comment	Referenced Section	Note 82 after A3-2.1
	From	Sean Larsen (Lam Research AG)
	Comment	<p>Approved how and by whom?</p> <p>Suggestion / Justification Please clarify note to make it more informative, possibly such as “certified by an ATL against an appropriate standard recognized by the jurisdiction”.</p>
	Discussion	The purpose of the note is just to call attention about potential necessity of component approval.

Action proposed	X	The committee agreed to do one of the following actions.		
		*No motion is required in this step.		
		X	No further action was taken by the committee.	
			Refer to the task force for more consideration.	
			New Business	
		Other		
	Editorial Change			
		Case 1: No vote in this section :		
		To be included and voted on in <u>§ 5. Summary of Editorial Changes.</u>		
		Case 2: Voted in this section :		
		Original section number and at least one full sentence are required in "FROM" and "TO" fields.		
		1	FROM: Section xxx	
			To: Section xxx	
			Justification (if necessary)	
		2	FROM: Section xxx	
To: Section xxx				
Justification (if necessary)				
Motion by/2nd	Name (Company)/Name (Company)			
Vote	XX-XX Motion passed (or failed)			
A&R		Not approved		
		Reason:		

Comment 14

Comment	Referenced Section	A5-4.1 & 5.1
	From	Sean Larsen (Lam Research AG)

	Comment	Is the intent to follow existing S2 practice, or the actual definition, as they do not generally align? This is submitted as a comment only because it is not part of the auditable portion of the document per 7.1. Suggestion / Justification If trying to provide guidance in this section, do so in clear terms, and not in terminology that is consistently not followed in the source document being referenced.
	Discussion	Those paragraphs may be a little bit generic but still are technically intact regardless of whether S2 criteria are being followed is not the consideration of this document.
Action proposed	<input checked="" type="checkbox"/>	The committee agreed to do one of the following actions. *No motion is required in this step.
	<input checked="" type="checkbox"/>	No further action was taken by the committee.
	<input type="checkbox"/>	Refer to the task force for more consideration.
	<input type="checkbox"/>	New Business
	<input type="checkbox"/>	Other
	Editorial Change	
	<input type="checkbox"/>	Case 1: No vote in this section : To be included and voted on in § 5. Summary of Editorial Changes.
	<input type="checkbox"/>	Case 2: Voted in this section : Original section number and at least one full sentence are required in "FROM" and "TO" fields.
	1	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	<input type="checkbox"/>	Not approved Reason:

Comment 15

Comment	Referenced Section	NOTE 17
	From	Steve Crooks (People, Property & Environmental Protection, Inc.)
	Comment	1) Add definition of term in quotations in NOTE 17 to definitions (section 5.3) 2) Add proper reference to exactly what regulations requires special safety education. NOTE 17 too vague as currently written.
	Discussion	NOTE 17 is intended to call attention to the possibility that potentially applicable regulation exists in the subject area. Terminology is not practical as “specialty high-pressure gases” is understandable but actual meaning and categorization may differ jurisdiction to jurisdiction
Action proposed	<input checked="" type="checkbox"/>	The committee agreed to do one of the following actions. *No motion is required in this step.
	<input checked="" type="checkbox"/>	No further action was taken by the committee.
	<input type="checkbox"/>	Refer to the task force for more consideration.
	<input type="checkbox"/>	New Business
	<input type="checkbox"/>	Other
	Editorial Change	
	<input type="checkbox"/>	Case 1: No vote in this section : To be included and voted on in § 5. Summary of Editorial Changes.
	<input type="checkbox"/>	Case 2: Voted in this section : Original section number and at least one full sentence are required in “FROM” and “TO” fields.
	1	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	<input type="checkbox"/>	Not approved

	Reason:
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Comment 16

Comment	Referenced Section	NOTE 43	
	From	Steve Crooks (People, Property & Environmental Protection, Inc.)	
	Comment	3) NOTE 43 is not as clear as it might be. One; I have never encountered an AHJ in the U.S. requiring higher component ratings than that deemed by their location w/in the area classified as hazardous. If properly classified (e.g., Class 1 Div 2 for flammable vapor-air mixtures not normally present), components within the classified area would need to be rated per NEC.	
	Discussion	Applicability of this Safety Guideline is not limited to the U.S.	
Action proposed	<input checked="" type="checkbox"/>	The committee agreed to do one of the following actions. *No motion is required in this step.	
	<input checked="" type="checkbox"/>	No further action was taken by the committee.	
	<input type="checkbox"/>	Refer to the task force for more consideration.	
	<input type="checkbox"/>	New Business	
	<input type="checkbox"/>	Other	
Editorial Change			
Action proposed		Case 1: No vote in this section : To be included and voted on in § 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	<input type="checkbox"/>	Not approved
	Reason:	

Comment 17

Comment	Referenced Section	12.4.2.5
	From	Steve Crooks (People, Property & Environmental Protection, Inc.)
	Comment	4) Typo (?) in 12.4.2.5 Vent lines of (do you mean, "off") the high pressure side of the regulator of flammable silicon compound cylinders
	Discussion	"of" is correct.
Action proposed	<input checked="" type="checkbox"/>	The committee agreed to do one of the following actions.
		*No motion is required in this step.
	<input checked="" type="checkbox"/>	No further action was taken by the committee.
	<input type="checkbox"/>	Refer to the task force for more consideration.
	<input type="checkbox"/>	Other
Action proposed	Editorial Change	
	<input type="checkbox"/>	Case 1: No vote in this section :
		To be included and voted on in § 5. Summary of Editorial Changes.
	<input type="checkbox"/>	Case 2: Voted in this section :
		Original section number and at least one full sentence are required in "FROM" and "TO" fields.
	1	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)			
Approval Rate	=	25	/	26	=	96.2%	>=90%

A&R		Not approved
		Reason:

VII. Safety Check

See § 14 of the Regulations for further information

Motion:	<input type="checkbox"/>	This is not a Safety Document: when all safety-related information is removed, the document is still technically sound and complete.
	<input checked="" type="checkbox"/>	This is a Safety Document: when all safety-related information is removed, the document is not technically sound and complete.
	<input checked="" type="checkbox"/>	Safety Checklist (Regulations ¶ 14.3) is complete and has been included with the document throughout the balloting process.
Motion by/2nd by		Supika Mashiro (Tokyo Electron)/ Moray Crawford (Hatsuta Seisakusho)
Discussion		None.
Vote		8-0 Motion passed.
A&R	<input type="checkbox"/>	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

<input checked="" type="checkbox"/>	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.	
<input checked="" type="checkbox"/>	No potentially material patented technology or copyrighted items are known	GO TO SECTION IX
<input type="checkbox"/>	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
<input type="checkbox"/>	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	<input type="checkbox"/>	Ask ISC for special permission to publish
	<input type="checkbox"/>	Quit activity
	<input type="checkbox"/>	Wait for LOA for patented technology or release of copyrighted items.
Motion by/2 nd by		Name (Company)/Name (Company)
Discussion		XXXX
Vote		XX-XX
Final Action		<input type="checkbox"/> Motion Passed
		<input type="checkbox"/> Motion Failed
A&R	<input type="checkbox"/>	Not approved
	Reason:	

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

IX. Action for this document

Motion	<input type="checkbox"/>	This document passed committee review as balloted and will be forwarded to the A&R for procedural review.	
	<input checked="" type="checkbox"/>	This document passed committee review with editorial changes and will be forwarded to the A&R for procedural review.	
	<input type="checkbox"/>	This document failed committee review and will be returned to the task force for rework.	
	<input type="checkbox"/>	This document failed committee review and work will be discontinued.	
Motion by/2nd by		Supika Mashiro (Tokyo Electron)/ Moray Crawford (Hatsuta Seisakusho)	
Discussion		None.	
Vote		8-0	
Final Action		<input checked="" type="checkbox"/>	Motion passed
		<input type="checkbox"/>	Motion failed
A&R	<input type="checkbox"/>	Approved	
	<input type="checkbox"/>	Not approved	
	Reason:		