

Responses and Review Form for SEMI Draft Document #5761A New Standard: Safety Guideline for Use of Energetic Materials in Semiconductor R&D and Manufacturing Processes

Tallies at Close of Voting

<i>Voting Interest Returns</i>	54	<i>Voting Interest Accept Votes (VIAccept)</i>	27
<i>Total Voting Interests</i>	89	<i>Interest Reject Votes (IReject)</i>	4
<i>Voting Interest Return %</i>	60.67%	<i>Approval % [VIAccept / (VIAccept + IReject)]</i>	87.10%
<i>Other Returns (Intercommittee, etc.)</i>		<i># of Interest Rejects that Need to be not found Valid for</i>	
	19	<i>Final Approval % >= 90%</i>	1
<i>Total Votes</i>	104		
<i>Total Votes with Comments</i>	7		
<i>Total Reject Votes</i>	4		

Rejects/Negatives

Summary: 46 Total Items Submitted

<i>Company: Submitter</i>	<i>ID</i>	<i>Negs</i>	<i>Disp</i>	<i>Company: Submitter</i>	<i>ID</i>	<i>Negs</i>	<i>Disp</i>
Applied Materials: Ed Karl	AMAT	2		Aixtron SE: Josef Meyer	Aixtron	1	
ASML: Bert Planting	ASML	9		Lam Research: Sean Larsen	LMRC	34	

Details:

NOTICE: SEMI Staff must receive copies of ALL withdrawals of negative votes.

Table 1 Negatives from < AMAT: Ed Karl >

W = Withdrawn, NR = <i>Not Related</i> , NP = <i>Not Persuasive</i> , RP = <i>Related and Persuasive</i> , NS = <i>Not Significant</i> , S = <i>Significant</i>					
#	Ref.	Negative <i>including Justification</i>	TF Finding <i>and Reason</i>	Motion <i>and Reason in Committee:</i>	Final
AMAT-1	14.1.2	<p>Negative</p> <p>Section 14.1.2 states “Enclosures should be provided with self-latching, self-closing doors.” The IFC section 2705.2.3.4 allows for manual closing doors as;</p> <p>2.3. Cabinets shall be provided with self- or manual-closing doors. Manual-closing doors shall be equipped with a door switch that will initiate local audible and visual alarms when the door is in the open position.</p> <p>Proposed Solution: Allow for the above wording and requirements out of the IFC.</p>	<p>(Select 1)</p> <p><input type="checkbox"/> Not related</p> <p><input type="checkbox"/> Not persuasive (assumes related)</p> <p><input type="checkbox"/> Related & persuasive</p> <p>Reason:</p>	<p><input type="checkbox"/> Withdrawn by Subm. (Date: __)</p> <p>Move to find this negative: (select 1)</p> <p><input type="checkbox"/> Not related (requires reason, follow)</p> <p><input type="checkbox"/> Committee new business</p> <p><input type="checkbox"/> Assigned to: _____</p> <p><input type="checkbox"/> Not persuasive (requires reason)</p> <p><input type="checkbox"/> Related & persuasive (ballot fails)</p> <p>Reason:</p> <p>By/2nd: Disc: Vote: #-#-#. Motion passed failed</p> <p>Significance finding/method: (select 1)</p> <p><input type="checkbox"/> Not significant by agreement</p> <p><input type="checkbox"/> Not significant by motion</p> <p><input type="checkbox"/> Significant by % of NP vote (>10%)</p> <p><input type="checkbox"/> Significant by agreement</p> <p><input type="checkbox"/> Significant by motion</p> <p>By/2nd: Disc: Vote: #-#-#. Motion passed failed</p>	

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#	Ref.	Negative <u>including Justification</u>	TF Finding <u>and Reason</u>	Motion <u>and Reason</u> in Committee:	Final
AMA T-2	12.4 and 12.5	<p>Negative</p> <p>Section 12.4 states, "12.4 Fire and Smoke Detection — The remote cabinet equipment supplier should provide fire and smoke detection that includes a combination of:"; however, Section 12.5 seems to permit equipment supplier to use or consult fire suppression expert based on SEMI S14.</p> <p>Proposed Solution:</p> <p>For consistency purposes, Section 12.4 should allow manufacturer to provide fire and smoke detection based on SEMI S14.</p>	<p>(Select 1)</p> <p><input type="checkbox"/> Not related</p> <p><input type="checkbox"/> Not persuasive (assumes related)</p> <p><input type="checkbox"/> Related & persuasive</p> <p>Reason:</p>	<p><input type="checkbox"/> Withdrawn by Subm. (Date: <input type="text"/>)</p> <p>Move to find this negative: (select 1)</p> <p><input type="checkbox"/> Not related (requires reason, follow)</p> <p><input type="checkbox"/> Committee new business</p> <p><input type="checkbox"/> Assigned to: <input type="text"/></p> <p><input type="checkbox"/> Not persuasive (requires reason)</p> <p><input type="checkbox"/> Related & persuasive (ballot fails)</p> <p>Reason:</p> <p>By/2nd:</p> <p>Disc:</p> <p>Vote: #-#-#. Motion passed failed</p> <p>Significance finding/method: (select 1)</p> <p><input type="checkbox"/> Not significant by agreement</p> <p><input type="checkbox"/> Not significant by motion</p> <p><input type="checkbox"/> Significant by % of NP vote (>10%)</p> <p><input type="checkbox"/> Significant by agreement</p> <p><input type="checkbox"/> Significant by motion</p> <p>By/2nd:</p> <p>Disc:</p> <p>Vote: #-#-#. Motion passed failed</p>	

Final disposition of this reject:

☐ Valid (includes at least one significant negative)

☐ Not Valid (all negatives withdrawn, found not related, or found not significant)

Table 2 Negatives from <ASML: Bert Planting >

W = Withdrawn, NR = <i>Not Related</i> , NP = <i>Not Persuasive</i> , RP = <i>Related and Persuasive</i> , NS = <i>Not Significant</i> , S = <i>Significant</i>					
#	Ref.	Negative <i>including Justification</i>	TF Finding <i>and Reason</i>	Motion <i>and Reason</i> in Committee:	Final
ASM L- 1	5.1.13	This definition has requirements. Must be a one to 2 sentences definitions. Other material to be moved to main body or appendix (or even RI)	(Select 1) <input type="checkbox"/> Not related <input type="checkbox"/> Not persuasive (assumes related) <input type="checkbox"/> Related & persuasive Reason:	<input type="checkbox"/> Withdrawn by Subm. (Date: __) Move to find this negative: (select 1) <input type="checkbox"/> Not related (requires reason, follow) <input type="checkbox"/> Committee new business <input type="checkbox"/> Assigned to: _____ <input type="checkbox"/> Not persuasive (requires reason) <input type="checkbox"/> Related & persuasive (ballot fails) Reason: By/2nd: Disc: Vote: #-#-#. Motion passed failed Significance finding/method: (select 1) <input type="checkbox"/> Not significant by agreement <input type="checkbox"/> Not significant by motion <input type="checkbox"/> Significant by % of NP vote (>10%) <input type="checkbox"/> Significant by agreement <input type="checkbox"/> Significant by motion By/2nd: Disc: Vote: #-#-#. Motion passed failed	

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#	Ref.	Negative <u>including Justification</u>	TF Finding <u>and Reason</u>	Motion <u>and Reason</u> in Committee:	Final
ASM L- 2	section 5.2.17	has a flow chart how to define the product > move to a section 7 where materials must be classified	(Select 1) <input type="checkbox"/> Not related <input type="checkbox"/> Not persuasive (assumes related) <input type="checkbox"/> Related & persuasive Reason:	<input type="checkbox"/> Withdrawn by Subm. (Date: __) Move to find this negative: (select 1) <input type="checkbox"/> Not related (requires reason, follow) <input type="checkbox"/> Committee new business <input type="checkbox"/> Assigned to: _____ <input type="checkbox"/> Not persuasive (requires reason) <input type="checkbox"/> Related & persuasive (ballot fails) Reason: By/2nd: Disc: Vote: #-#-#. Motion passed failed Significance finding/method: (select 1) <input type="checkbox"/> Not significant by agreement <input type="checkbox"/> Not significant by motion <input type="checkbox"/> Significant by % of NP vote (>10%) <input type="checkbox"/> Significant by agreement <input type="checkbox"/> Significant by motion By/2nd: Disc: Vote: #-#-#. Motion passed failed	

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#	Ref.	Negative <u>including Justification</u>	TF Finding <u>and Reason</u>	Motion <u>and Reason</u> in Committee:	Final
ASM L- 3	section 5.2.20.	See ASML 2	(Select 1) <input type="checkbox"/> Not related <input type="checkbox"/> Not persuasive (assumes related) <input type="checkbox"/> Related & persuasive Reason:	<input type="checkbox"/> Withdrawn by Subm. (Date: <input type="text"/>) Move to find this negative: (select 1) <input type="checkbox"/> Not related (requires reason, follow) <input type="checkbox"/> Committee new business <input type="checkbox"/> Assigned to: <input type="text"/> <input type="checkbox"/> Not persuasive (requires reason) <input type="checkbox"/> Related & persuasive (ballot fails) Reason: By/2nd: Disc: Vote: #-#-#. Motion passed failed Significance finding/method: (select 1) <input type="checkbox"/> Not significant by agreement <input type="checkbox"/> Not significant by motion <input type="checkbox"/> Significant by % of NP vote (>10%) <input type="checkbox"/> Significant by agreement <input type="checkbox"/> Significant by motion By/2nd: Disc: Vote: #-#-#. Motion passed failed	

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ASM L- 4	section 5.2.32.	See ASML 2	(Select 1) <input type="checkbox"/> Not related <input type="checkbox"/> Not persuasive (assumes related) <input type="checkbox"/> Related & persuasive Reason:	<input type="checkbox"/> Withdrawn by Subm. (Date: <input type="text"/>) Move to find this negative: (select 1) <input type="checkbox"/> Not related (requires reason, follow) <input type="checkbox"/> Committee new business <input type="checkbox"/> Assigned to: <input type="text"/> <input type="checkbox"/> Not persuasive (requires reason) <input type="checkbox"/> Related & persuasive (ballot fails) Reason: By/2nd: Disc: Vote: #-#-#. Motion passed failed Significance finding/method: (select 1) <input type="checkbox"/> Not significant by agreement <input type="checkbox"/> Not significant by motion <input type="checkbox"/> Significant by % of NP vote (>10%) <input type="checkbox"/> Significant by agreement <input type="checkbox"/> Significant by motion By/2nd: Disc: Vote: #-#-#. Motion passed failed	

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#	Ref.	Negative <u>including Justification</u>	TF Finding <u>and Reason</u>	Motion <u>and Reason</u> in Committee:	Final
ASM L- 5	section 5.2.51	See ASML 2	(Select 1) <input type="checkbox"/> Not related <input type="checkbox"/> Not persuasive (assumes related) <input type="checkbox"/> Related & persuasive Reason:	<input type="checkbox"/> Withdrawn by Subm. (Date: __) Move to find this negative: (select 1) <input type="checkbox"/> Not related (requires reason, follow) <input type="checkbox"/> Committee new business <input type="checkbox"/> Assigned to: _____ <input type="checkbox"/> Not persuasive (requires reason) <input type="checkbox"/> Related & persuasive (ballot fails) Reason: By/2nd: Disc: Vote: #-#-#. Motion passed failed Significance finding/method: (select 1) <input type="checkbox"/> Not significant by agreement <input type="checkbox"/> Not significant by motion <input type="checkbox"/> Significant by % of NP vote (>10%) <input type="checkbox"/> Significant by agreement <input type="checkbox"/> Significant by motion By/2nd: Disc: Vote: #-#-#. Motion passed failed	

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ASM L- 6	section 5.2.69	See ASML 2	(Select 1) <input type="checkbox"/> Not related <input type="checkbox"/> Not persuasive (assumes related) <input type="checkbox"/> Related & persuasive Reason:	<input type="checkbox"/> Withdrawn by Subm. (Date: __) Move to find this negative: (select 1) <input type="checkbox"/> Not related (requires reason, follow) <input type="checkbox"/> Committee new business <input type="checkbox"/> Assigned to: _____ <input type="checkbox"/> Not persuasive (requires reason) <input type="checkbox"/> Related & persuasive (ballot fails) Reason: By/2nd: Disc: Vote: #-#-#. Motion passed failed Significance finding/method: (select 1) <input type="checkbox"/> Not significant by agreement <input type="checkbox"/> Not significant by motion <input type="checkbox"/> Significant by % of NP vote (>10%) <input type="checkbox"/> Significant by agreement <input type="checkbox"/> Significant by motion By/2nd: Disc: Vote: #-#-#. Motion passed failed	

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ASM L- 7	section 13.5.4:	This is for US only. Standards should be international NFPA is US only	(Select 1) <input type="checkbox"/> Not related <input type="checkbox"/> Not persuasive (assumes related) <input type="checkbox"/> Related & persuasive Reason:	<input type="checkbox"/> Withdrawn by Subm. (Date: __) Move to find this negative: (select 1) <input type="checkbox"/> Not related (requires reason, follow) <input type="checkbox"/> Committee new business <input type="checkbox"/> Assigned to: _____ <input type="checkbox"/> Not persuasive (requires reason) <input type="checkbox"/> Related & persuasive (ballot fails) Reason: By/2nd: Disc: Vote: #-#-#. Motion passed failed Significance finding/method: (select 1) <input type="checkbox"/> Not significant by agreement <input type="checkbox"/> Not significant by motion <input type="checkbox"/> Significant by % of NP vote (>10%) <input type="checkbox"/> Significant by agreement <input type="checkbox"/> Significant by motion By/2nd: Disc: Vote: #-#-#. Motion passed failed	

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#	Ref.	Negative <u>including Justification</u>	TF Finding <u>and Reason</u>	Motion <u>and Reason</u> in Committee:	Final
ASM L- 8		Missing the requirement for decontamination (SEMI S12). Should be mentioned at least when moving part between different parties	(Select 1) <input type="checkbox"/> Not related <input type="checkbox"/> Not persuasive (assumes related) <input type="checkbox"/> Related & persuasive Reason:	<input type="checkbox"/> Withdrawn by Subm. (Date: __) Move to find this negative: (select 1) <input type="checkbox"/> Not related (requires reason, follow) <input type="checkbox"/> Committee new business <input type="checkbox"/> Assigned to: _____ <input type="checkbox"/> Not persuasive (requires reason) <input type="checkbox"/> Related & persuasive (ballot fails) Reason: By/2nd: Disc: Vote: #-#-#. Motion passed failed Significance finding/method: (select 1) <input type="checkbox"/> Not significant by agreement <input type="checkbox"/> Not significant by motion <input type="checkbox"/> Significant by % of NP vote (>10%) <input type="checkbox"/> Significant by agreement <input type="checkbox"/> Significant by motion By/2nd: Disc: Vote: #-#-#. Motion passed failed	

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ASM L-9		Missing S12 reference	(Select 1) <input type="checkbox"/> Not related <input type="checkbox"/> Not persuasive (assumes related) <input type="checkbox"/> Related & persuasive Reason:	<input type="checkbox"/> Withdrawn by Subm. (Date: <input type="text"/>) Move to find this negative: (select 1) <input type="checkbox"/> Not related (requires reason, follow) <input type="checkbox"/> Committee new business <input type="checkbox"/> Assigned to: <input type="text"/> <input type="checkbox"/> Not persuasive (requires reason) <input type="checkbox"/> Related & persuasive (ballot fails) Reason: By/2nd: Disc: Vote: #-#-#. Motion passed failed Significance finding/method: (select 1) <input type="checkbox"/> Not significant by agreement <input type="checkbox"/> Not significant by motion <input type="checkbox"/> Significant by % of NP vote (>10%) <input type="checkbox"/> Significant by agreement <input type="checkbox"/> Significant by motion By/2nd: Disc: Vote: #-#-#. Motion passed failed	

Final disposition of this reject:

☐ Valid (includes at least one significant negative)
☐ Not Valid (all negatives withdrawn, found not related, or found not significant)

Table 3 Negatives from <Aixtron: Josef Meyer>

W = Withdrawn, NR = <i>Not Related</i> , NP = <i>Not Persuasive</i> , RP = <i>Related and Persuasive</i> , NS = <i>Not Significant</i> , S = <i>Significant</i>					
#	Ref.	Negative <i>including Justification</i>	TF Finding <i>and Reason</i>	Motion <i>and Reason</i> in Committee:	Final
AIXTRON-1		Requirements of section 14 doesn't match the customer and supplier criterias. Strongly requested to review!!	(Select 1) <input type="checkbox"/> Not related <input type="checkbox"/> Not persuasive (assumes related) <input type="checkbox"/> Related & persuasive Reason:	<input type="checkbox"/> Withdrawn by Subm. (Date: <u> </u>) Move to find this negative: (select 1) <input type="checkbox"/> Not related (requires reason, follow) <input type="checkbox"/> Committee new business <input type="checkbox"/> Assigned to: <u> </u> <input type="checkbox"/> Not persuasive (requires reason) <input type="checkbox"/> Related & persuasive (ballot fails) Reason: By/2nd: Disc: Vote: #-#-#. Motion passed failed Significance finding/method: (select 1) <input type="checkbox"/> Not significant by agreement <input type="checkbox"/> Not significant by motion <input type="checkbox"/> Significant by % of NP vote (>10%) <input type="checkbox"/> Significant by agreement <input type="checkbox"/> Significant by motion By/2nd: Disc: Vote: #-#-#. Motion passed failed	
Final disposition of this reject: <input type="checkbox"/> Valid (includes at least one significant negative) <input type="checkbox"/> Not Valid (all negatives withdrawn, found not related, or found not significant)					

Table 4 Negatives from <Lam Research: Sean Larsen>

W = Withdrawn, NR = <i>Not Related</i> , NP = <i>Not Persuasive</i> , RP = <i>Related and Persuasive</i> , NS = <i>Not Significant</i> , S = <i>Significant</i>					
#	Ref.	Negative <i>including Justification</i>	TF Finding <i>and Reason</i>	Motion <i>and Reason in Committee:</i>	Final
LMR C1	1.2, section 8, rest of document	<p>1.2 and end user statements in TF indicate that line by line reports against this document will be required by customer purchase specifications. The risk assessments called out in section 8 talk about multiple efforts for these efforts, first stand-alone and then for the integrated system (supply, process and abatement systems). Criteria in the document apply to various parties (chemistry, supply module, abatement and process equipment suppliers as well as the end user. Without some guidance, there will be lots of rejected reports, iterations to determine what is acceptable and wasted effort as well as delayed start-ups and system acceptance.</p> <p>Suggestion / Justification Add a section for expected report contents (sections to be reported on, expectations on findings and level of detail, acceptable finding types, etc.) for the various reports that are expected. I expect that this will require some preliminary work to get agreement/delineation on what reports are going to be expected. Possibilities would seem to include:</p> <ol style="list-style-type: none"> 1) Supply system preliminary 2) Processing system preliminary 3) Abatement system preliminary 4) Integrated system 	<p>(Select 1) <input type="checkbox"/> Not related <input type="checkbox"/> Not persuasive (assumes related) <input type="checkbox"/> Related & persuasive Reason:</p>	<p>Withdrawn by Subm. (Date: __) Move to find this negative: (select 1) <input type="checkbox"/> Not related (requires reason, follow) <input type="checkbox"/> Committee new business <input type="checkbox"/> Assigned to: _____ <input type="checkbox"/> Not persuasive (requires reason) <input type="checkbox"/> Related & persuasive (ballot fails) Reason: By/2nd: Disc: Vote: #-#-#. Motion passed failed Significance finding/method: (select 1) <input type="checkbox"/> Not significant by agreement <input type="checkbox"/> Not significant by motion <input type="checkbox"/> Significant by % of NP vote (>10%) <input type="checkbox"/> Significant by agreement <input type="checkbox"/> Significant by motion By/2nd: Disc: Vote: #-#-#. Motion passed failed</p>	

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#	Ref.	Negative <u>including Justification</u>	TF Finding <u>and Reason</u>	Motion <u>and Reason</u> in Committee:	Final
LMR C2	Section 5	<p>The paragraph (¶) and section (§) symbols are used extensively in the document with no clear statement of what they mean within the document.</p> <p>Suggestion / Justification These should be added to section 5 (definitions can be copied from a number of other SEMI S documents) so that the average reader will understand the difference between them.</p>	<p>(Select 1)</p> <p><input type="checkbox"/> Not related</p> <p><input type="checkbox"/> Not persuasive (assumes related)</p> <p><input type="checkbox"/> Related & persuasive</p> <p>Reason:</p>	<p><input type="checkbox"/> Withdrawn by Subm. (Date: __)</p> <p>Move to find this negative: (select 1)</p> <p><input type="checkbox"/> Not related (requires reason, follow)</p> <p><input type="checkbox"/> Committee new business</p> <p><input type="checkbox"/> Assigned to: _____</p> <p><input type="checkbox"/> Not persuasive (requires reason)</p> <p><input type="checkbox"/> Related & persuasive (ballot fails)</p> <p>Reason:</p> <p>By/2nd: Disc: Vote: #-#-#. Motion passed failed</p> <p>Significance finding/method: (select 1)</p> <p><input type="checkbox"/> Not significant by agreement</p> <p><input type="checkbox"/> Not significant by motion</p> <p><input type="checkbox"/> Significant by % of NP vote (>10%)</p> <p><input type="checkbox"/> Significant by agreement</p> <p><input type="checkbox"/> Significant by motion</p> <p>By/2nd: Disc: Vote: #-#-#. Motion passed failed</p>	

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LMR C3	Section 8 and specificall y 8.3	<p>The risk assessment section implies that there will be expectations for both a one-time general module evaluation similar to an S2 assessment (unless significant design changes) plus additional a separate per system configuration evaluation once the specific chemistry, supporting or supported modules and customer support/interface is determined. This is rather different from the current safety evaluation process.</p> <p>Suggestion / Justification If my understanding of what is implied in section 8 is intended, this should be clearly highlighted as it is significantly different from existing practice.</p>	<p>(Select 1)</p> <p><input type="checkbox"/> Not related</p> <p><input type="checkbox"/> Not persuasive (assumes related)</p> <p><input checked="" type="checkbox"/> Related & persuasive</p> <p>Reason:</p>	<p><input type="checkbox"/> Withdrawn by Subm. (Date: __)</p> <p>Move to find this negative: (select 1)</p> <p><input type="checkbox"/> Not related (requires reason, follow)</p> <p><input type="checkbox"/> Committee new business</p> <p><input type="checkbox"/> Assigned to: _____</p> <p><input type="checkbox"/> Not persuasive (requires reason)</p> <p><input checked="" type="checkbox"/> Related & persuasive (ballot fails)</p> <p>Reason:</p> <p>By/2nd:</p> <p>Disc:</p> <p>Vote: #-#-#. Motion passed failed</p> <p>Significance finding/method: (select 1)</p> <p><input type="checkbox"/> Not significant by agreement</p> <p><input type="checkbox"/> Not significant by motion</p> <p><input type="checkbox"/> Significant by % of NP vote (>10%)</p> <p><input type="checkbox"/> Significant by agreement</p> <p><input type="checkbox"/> Significant by motion</p> <p>By/2nd:</p> <p>Disc:</p> <p>Vote: #-#-#. Motion passed failed</p>	

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#	Ref.	Negative <u>including Justification</u>	TF Finding <u>and Reason</u>	Motion <u>and Reason</u> in Committee:	Final
LMR C4	8.4.7	<p>What exposure and exposure frequency is being referred to here? If we are doing our job correctly, I believe the exposure will be to very small percentages of the OEL that is chosen to be applicable.</p> <p>Suggestion / Justification Either clarify what these people are intended to be exposed to or rewrite.</p>	<p>(Select 1)</p> <p><input type="checkbox"/> Not related</p> <p><input type="checkbox"/> Not persuasive (assumes related)</p> <p><input type="checkbox"/> Related & persuasive</p> <p>Reason:</p>	<p><input type="checkbox"/> Withdrawn by Subm. (Date: __)</p> <p>Move to find this negative: (select 1)</p> <p><input type="checkbox"/> Not related (requires reason, follow)</p> <p><input type="checkbox"/> Committee new business</p> <p><input type="checkbox"/> Assigned to: _____</p> <p><input type="checkbox"/> Not persuasive (requires reason)</p> <p><input type="checkbox"/> Related & persuasive (ballot fails)</p> <p>Reason:</p> <p>By/2nd:</p> <p>Disc:</p> <p>Vote: #-#-#. Motion passed failed</p> <p>Significance finding/method: (select 1)</p> <p><input type="checkbox"/> Not significant by agreement</p> <p><input type="checkbox"/> Not significant by motion</p> <p><input type="checkbox"/> Significant by % of NP vote (>10%)</p> <p><input type="checkbox"/> Significant by agreement</p> <p><input type="checkbox"/> Significant by motion</p> <p>By/2nd:</p> <p>Disc:</p> <p>Vote: #-#-#. Motion passed failed</p>	

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LMR C5	9.2.5	<p>Who is making the decisions of what “other materials are deemed appropriate”? If “appropriate”, why would these not be included in the video collection?</p> <p>Suggestion / Justification Align the statements with the real intent.</p>	<p>(Select 1)</p> <p><input type="checkbox"/> Not related</p> <p><input type="checkbox"/> Not persuasive (assumes related)</p> <p><input type="checkbox"/> Related & persuasive</p> <p>Reason:</p>	<p><input type="checkbox"/> Withdrawn by Subm. (Date: __)</p> <p>Move to find this negative: (select 1)</p> <p><input type="checkbox"/> Not related (requires reason, follow)</p> <p><input type="checkbox"/> Committee new business</p> <p><input type="checkbox"/> Assigned to: _____</p> <p><input type="checkbox"/> Not persuasive (requires reason)</p> <p><input type="checkbox"/> Related & persuasive (ballot fails)</p> <p>Reason:</p> <p>By/2nd: Disc: Vote: #-#-#. Motion passed failed</p> <p>Significance finding/method: (select 1)</p> <p><input type="checkbox"/> Not significant by agreement</p> <p><input type="checkbox"/> Not significant by motion</p> <p><input type="checkbox"/> Significant by % of NP vote (>10%)</p> <p><input type="checkbox"/> Significant by agreement</p> <p><input type="checkbox"/> Significant by motion</p> <p>By/2nd: Disc: Vote: #-#-#. Motion passed failed</p>	

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#	Ref.	Negative <u>including Justification</u>	TF Finding <u>and Reason</u>	Motion <u>and Reason</u> in Committee:	Final
LMR9.3 C6		<p>This paragraph seems to be placed in an inappropriate section. For the relatively new materials that this document is intended to address, it seems unlikely that the chemical manufacturer would have any idea of known or anticipated products or byproducts.</p> <p>Suggestion / Justification This paragraph seems more appropriate under a TBD general heading for all involved parties to share any available data or best guesses and to determine a baseline for this information as quickly as possible.</p>	<p>(Select 1) <input type="checkbox"/> Not related <input type="checkbox"/> Not persuasive (assumes related) <input type="checkbox"/> Related & persuasive Reason:</p>	<p><input type="checkbox"/> Withdrawn by Subm. (Date: __) Move to find this negative: (select 1) <input type="checkbox"/> Not related (requires reason, follow) <input type="checkbox"/> Committee new business <input type="checkbox"/> Assigned to: _____ <input type="checkbox"/> Not persuasive (requires reason) <input type="checkbox"/> Related & persuasive (ballot fails) Reason: By/2nd: Disc: Vote: #-#-#. Motion passed failed Significance finding/method: (select 1) <input type="checkbox"/> Not significant by agreement <input type="checkbox"/> Not significant by motion <input type="checkbox"/> Significant by % of NP vote (>10%) <input type="checkbox"/> Significant by agreement <input type="checkbox"/> Significant by motion By/2nd: Disc: Vote: #-#-#. Motion passed failed</p>	

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#	Ref.	Negative <u>including Justification</u>	TF Finding <u>and Reason</u>	Motion <u>and Reason</u> in Committee:	Final
LMR C7	10.1.1.1	<p>While the reference to § 18 will get you to the hazardous energy isolation or LOTO aspects, at this point, this paragraph could also be interpreted as metering the flow rate of the material.</p> <p>Suggestion / Justification Suggest adding “isolation” or “LOTO” into the text.</p>	<p>(Select 1)</p> <p><input type="checkbox"/> Not related</p> <p><input type="checkbox"/> Not persuasive (assumes related)</p> <p><input type="checkbox"/> Related & persuasive</p> <p>Reason:</p>	<p><input type="checkbox"/> Withdrawn by Subm. (Date: <input type="text"/>)</p> <p>Move to find this negative: (select 1)</p> <p><input type="checkbox"/> Not related (requires reason, follow)</p> <p><input type="checkbox"/> Committee new business</p> <p><input type="checkbox"/> Assigned to: <input type="text"/></p> <p><input type="checkbox"/> Not persuasive (requires reason)</p> <p><input type="checkbox"/> Related & persuasive (ballot fails)</p> <p>Reason:</p> <p>By/2nd:</p> <p>Disc:</p> <p>Vote: #-#-#. Motion passed failed</p> <p>Significance finding/method: (select 1)</p> <p><input type="checkbox"/> Not significant by agreement</p> <p><input type="checkbox"/> Not significant by motion</p> <p><input type="checkbox"/> Significant by % of NP vote (>10%)</p> <p><input type="checkbox"/> Significant by agreement</p> <p><input type="checkbox"/> Significant by motion</p> <p>By/2nd:</p> <p>Disc:</p> <p>Vote: #-#-#. Motion passed failed</p>	

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LMR C7	10.1.1.1	While the reference to § 18 will get you to the hazardous energy isolation or LOTO aspects, at this point, this paragraph could also be interpreted as metering the flow rate of the material. Suggestion / Justification Suggest adding “isolation” or “LOTO” into the text.	(Select 1) <input type="checkbox"/> Not related <input type="checkbox"/> Not persuasive (assumes related) <input type="checkbox"/> Related & persuasive Reason:	<input type="checkbox"/> Withdrawn by Subm. (Date: __) Move to find this negative: (select 1) <input type="checkbox"/> Not related (requires reason, follow) <input type="checkbox"/> Committee new business <input type="checkbox"/> Assigned to: _____ <input type="checkbox"/> Not persuasive (requires reason) <input type="checkbox"/> Related & persuasive (ballot fails) Reason: By/2nd: Disc: Vote: #-#-#. Motion passed failed Significance finding/method: (select 1) <input type="checkbox"/> Not significant by agreement <input type="checkbox"/> Not significant by motion <input type="checkbox"/> Significant by % of NP vote (>10%) <input type="checkbox"/> Significant by agreement <input type="checkbox"/> Significant by motion By/2nd: Disc: Vote: #-#-#. Motion passed failed	

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LMR C8	10.1.1.3 & Note 13	<p>Using the same valve for both process control and the safety shut-off violates the SEMI S2 single fault tolerant expectation for interlocks.</p> <p>Suggestion / Justification If the intent is to violate the single fault tolerant clause from S2, then clearly state this as an associated S2 review is already mentioned earlier. If not, then providing clarifying text to indicate how this statement and the single fault clause can both be met (e.g. redundancy of controls when done correctly).</p>	<p>(Select 1)</p> <p><input type="checkbox"/> Not related</p> <p><input type="checkbox"/> Not persuasive (assumes related)</p> <p><input type="checkbox"/> Related & persuasive</p> <p>Reason:</p>	<p><input type="checkbox"/> Withdrawn by Subm. (Date: <input type="text"/>)</p> <p>Move to find this negative: (select 1)</p> <p><input type="checkbox"/> Not related (requires reason, follow)</p> <p><input type="checkbox"/> Committee new business</p> <p><input type="checkbox"/> Assigned to: <input type="text"/></p> <p><input type="checkbox"/> Not persuasive (requires reason)</p> <p><input type="checkbox"/> Related & persuasive (ballot fails)</p> <p>Reason:</p> <p>By/2nd:</p> <p>Disc:</p> <p>Vote: #-#-#. Motion passed failed</p> <p>Significance finding/method: (select 1)</p> <p><input type="checkbox"/> Not significant by agreement</p> <p><input type="checkbox"/> Not significant by motion</p> <p><input type="checkbox"/> Significant by % of NP vote (>10%)</p> <p><input type="checkbox"/> Significant by agreement</p> <p><input type="checkbox"/> Significant by motion</p> <p>By/2nd:</p> <p>Disc:</p> <p>Vote: #-#-#. Motion passed failed</p>	

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LMR C9	10.1.1.3	<p>Are these containers available in all regions where the semiconductor industry is operating and they may be needed?</p> <p>Suggestion / Justification If not available, what is the suggestion?</p>	<p>(Select 1)</p> <p><input type="checkbox"/> Not related</p> <p><input type="checkbox"/> Not persuasive (assumes related)</p> <p><input type="checkbox"/> Related & persuasive</p> <p>Reason:</p>	<p><input type="checkbox"/> Withdrawn by Subm. (Date: <input type="text"/>)</p> <p>Move to find this negative: (select 1)</p> <p><input type="checkbox"/> Not related (requires reason, follow)</p> <p><input type="checkbox"/> Committee new business</p> <p><input type="checkbox"/> Assigned to: <input type="text"/></p> <p><input type="checkbox"/> Not persuasive (requires reason)</p> <p><input type="checkbox"/> Related & persuasive (ballot fails)</p> <p>Reason:</p> <p>By/2nd:</p> <p>Disc:</p> <p>Vote: #-#-#. Motion passed failed</p> <p>Significance finding/method: (select 1)</p> <p><input type="checkbox"/> Not significant by agreement</p> <p><input type="checkbox"/> Not significant by motion</p> <p><input type="checkbox"/> Significant by % of NP vote (>10%)</p> <p><input type="checkbox"/> Significant by agreement</p> <p><input type="checkbox"/> Significant by motion</p> <p>By/2nd:</p> <p>Disc:</p> <p>Vote: #-#-#. Motion passed failed</p>	

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LMR C10	10.1.3	<p>The second sentence states the possibilities, without actually guiding towards the intended design goal, which I believe is that the level indication feature is automatically enabled whenever the container is put into service.</p> <p>Suggestion / Justification Rewrite to require the design goal, rather than a convoluted statement with no real criteria.</p>	<p>(Select 1)</p> <p><input type="checkbox"/> Not related</p> <p><input type="checkbox"/> Not persuasive (assumes related)</p> <p><input checked="" type="checkbox"/> Related & persuasive</p> <p>Reason:</p>	<p><input checked="" type="checkbox"/> Withdrawn by Subm. (Date: __)</p> <p>Move to find this negative: (select 1)</p> <p><input type="checkbox"/> Not related (requires reason, follow)</p> <p><input type="checkbox"/> Committee new business</p> <p><input type="checkbox"/> Assigned to: _____</p> <p><input type="checkbox"/> Not persuasive (requires reason)</p> <p><input checked="" type="checkbox"/> Related & persuasive (ballot fails)</p> <p>Reason:</p> <p>By/2nd: Disc: Vote: #-#-#. Motion passed failed</p> <p>Significance finding/method: (select 1)</p> <p><input type="checkbox"/> Not significant by agreement</p> <p><input type="checkbox"/> Not significant by motion</p> <p><input type="checkbox"/> Significant by % of NP vote (>10%)</p> <p><input type="checkbox"/> Significant by agreement</p> <p><input type="checkbox"/> Significant by motion</p> <p>By/2nd: Disc: Vote: #-#-#. Motion passed failed</p>	

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#	Ref.	Negative <u>including Justification</u>	TF Finding <u>and Reason</u>	Motion <u>and Reason</u> in Committee:	Final
LMR C11	10.1.1.4	<p>As written, this paragraph is rather convoluted and the paragraph symbol (§) before “10.1.1” should be a section symbol (§).</p> <p>Suggestion / Justification Rewrite the criteria for improved clarity, such as “A single hybrid valve (i.e. a valve with both pneumatic and manual means for actuating) may be used if it meets the following criteria</p> <ul style="list-style-type: none"> • The manual locking means positively (<i>i.e.</i>, not by a spring mechanism) closes the valve • Meets all the criteria of § 10.1.1, and • The valve can be manually closed and locked whether or not there is a pneumatic signal opening the valve.” 	<p>(Select 1)</p> <p><input type="checkbox"/> Not related</p> <p><input type="checkbox"/> Not persuasive (assumes related)</p> <p><input type="checkbox"/> Related & persuasive</p> <p>Reason:</p>	<p><input type="checkbox"/> Withdrawn by Subm. (Date: __)</p> <p>Move to find this negative: (select 1)</p> <p><input type="checkbox"/> Not related (requires reason, follow)</p> <p><input type="checkbox"/> Committee new business</p> <p><input type="checkbox"/> Assigned to: _____</p> <p><input type="checkbox"/> Not persuasive (requires reason)</p> <p><input type="checkbox"/> Related & persuasive (ballot fails)</p> <p>Reason:</p> <p>By/2nd: Disc: Vote: #-#-#. Motion passed failed</p> <p>Significance finding/method: (select 1)</p> <p><input type="checkbox"/> Not significant by agreement</p> <p><input type="checkbox"/> Not significant by motion</p> <p><input type="checkbox"/> Significant by % of NP vote (>10%)</p> <p><input type="checkbox"/> Significant by agreement</p> <p><input type="checkbox"/> Significant by motion</p> <p>By/2nd: Disc: Vote: #-#-#. Motion passed failed</p>	

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#	Ref.	Negative <i>including Justification</i>	TF Finding <i>and Reason</i>	Motion <i>and Reason</i> in Committee:	Final
LMR C12	11.3 First bullet	<p>COMMENT</p> <p>“siting guidance” is rather vague and I question how “siting” will be translated (possibly to “sitting”)</p> <p>Suggestion / Justification Expand the bullet and possibly provide some examples of what is intended</p>	<p>(Select 1)</p> <p><input type="checkbox"/> Not related</p> <p><input type="checkbox"/> Not persuasive (assumes related)</p> <p><input checked="" type="checkbox"/> Related & persuasive</p> <p>Reason:</p>	<p><input type="checkbox"/> Withdrawn by Subm. (Date: <input type="text"/>)</p> <p>Move to find this negative: (select 1)</p> <p><input type="checkbox"/> Not related (requires reason, follow)</p> <p><input type="checkbox"/> Committee new business</p> <p><input type="checkbox"/> Assigned to: <input type="text"/></p> <p><input type="checkbox"/> Not persuasive (requires reason)</p> <p><input checked="" type="checkbox"/> Related & persuasive (ballot fails)</p> <p>Reason:</p> <p>By/2nd:</p> <p>Disc:</p> <p>Vote: #-#-#. Motion passed failed</p> <p>Significance finding/method: (select 1)</p> <p><input type="checkbox"/> Not significant by agreement</p> <p><input type="checkbox"/> Not significant by motion</p> <p><input type="checkbox"/> Significant by % of NP vote (>10%)</p> <p><input type="checkbox"/> Significant by agreement</p> <p><input type="checkbox"/> Significant by motion</p> <p>By/2nd:</p> <p>Disc:</p> <p>Vote: #-#-#. Motion passed failed</p>	

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LMR C13	11.3 Second and last bullet	<p>I don't believe IFC and NFPA are universally adopted around the world.</p> <p>Suggestion / Justification Rewrite the bullets to use these criteria as examples (similar to the 3rd bullet), or pull explicit criteria for these topics into this document</p>	<p>(Select 1)</p> <p><input type="checkbox"/> Not related</p> <p><input type="checkbox"/> Not persuasive (assumes related)</p> <p><input type="checkbox"/> Related & persuasive</p> <p>Reason:</p>	<p><input type="checkbox"/> Withdrawn by Subm. (Date: <input type="text"/>)</p> <p>Move to find this negative: (select 1)</p> <p><input type="checkbox"/> Not related (requires reason, follow)</p> <p><input type="checkbox"/> Committee new business</p> <p><input type="checkbox"/> Assigned to: <input type="text"/></p> <p><input type="checkbox"/> Not persuasive (requires reason)</p> <p><input type="checkbox"/> Related & persuasive (ballot fails)</p> <p>Reason:</p> <p>By/2nd:</p> <p>Disc:</p> <p>Vote: #-#-#. Motion passed failed</p> <p>Significance finding/method: (select 1)</p> <p><input type="checkbox"/> Not significant by agreement</p> <p><input type="checkbox"/> Not significant by motion</p> <p><input type="checkbox"/> Significant by % of NP vote (>10%)</p> <p><input type="checkbox"/> Significant by agreement</p> <p><input type="checkbox"/> Significant by motion</p> <p>By/2nd:</p> <p>Disc:</p> <p>Vote: #-#-#. Motion passed failed</p>	

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#	Ref.	Negative <u>including Justification</u>	TF Finding <u>and Reason</u>	Motion <u>and Reason</u> in Committee:	Final
LMR C14	12.2 & 12.3.1	<p>Since the topic of this document is energetic materials, it seems appropriate to provide some guidance for the strength of the latching mechanism, whether the self-latching main door or the potentially manually latching access port. This seems especially true if the cabinet is supposed to withstand a material reaction and still have enough integrity for the exhaust to contain the chemical emissions.</p> <p>Suggestion / Justification Provide auditable criteria for the latching mechanism or at least something more than a vaguely implied requirement.</p>	<p>(Select 1)</p> <p><input type="checkbox"/> Not related</p> <p><input type="checkbox"/> Not persuasive (assumes related)</p> <p><input type="checkbox"/> Related & persuasive</p> <p>Reason:</p>	<p><input type="checkbox"/> Withdrawn by Subm. (Date: <input type="text"/>)</p> <p>Move to find this negative: (select 1)</p> <p><input type="checkbox"/> Not related (requires reason, follow)</p> <p><input type="checkbox"/> Committee new business</p> <p><input type="checkbox"/> Assigned to: <input type="text"/></p> <p><input type="checkbox"/> Not persuasive (requires reason)</p> <p><input type="checkbox"/> Related & persuasive (ballot fails)</p> <p>Reason:</p> <p>By/2nd:</p> <p>Disc:</p> <p>Vote: #-#-#. Motion passed failed</p> <p>Significance finding/method: (select 1)</p> <p><input type="checkbox"/> Not significant by agreement</p> <p><input type="checkbox"/> Not significant by motion</p> <p><input type="checkbox"/> Significant by % of NP vote (>10%)</p> <p><input type="checkbox"/> Significant by agreement</p> <p><input type="checkbox"/> Significant by motion</p> <p>By/2nd:</p> <p>Disc:</p> <p>Vote: #-#-#. Motion passed failed</p>	

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LMR C15	12.3.2	<p>Does the pressure gauge or flow switch just need to be provided for interfacing with an S2 interlock, or should it be incorporated into an interlock that meets the S2 requirements and possibly closes all appropriate valves?</p> <p>Suggestion / Justification The simplest solution would be to replace “for interfacing” with “that interfaces” to align with paragraph 14.4.2.</p>	<p>(Select 1)</p> <p><input type="checkbox"/> Not related</p> <p><input type="checkbox"/> Not persuasive (assumes related)</p> <p><input checked="" type="checkbox"/> Related & persuasive</p> <p>Reason:</p>	<p><input type="checkbox"/> Withdrawn by Subm. (Date: __)</p> <p>Move to find this negative: (select 1)</p> <p><input type="checkbox"/> Not related (requires reason, follow)</p> <p><input type="checkbox"/> Committee new business</p> <p><input type="checkbox"/> Assigned to: _____</p> <p><input type="checkbox"/> Not persuasive (requires reason)</p> <p><input checked="" type="checkbox"/> Related & persuasive (ballot fails)</p> <p>Reason:</p> <p>By/2nd: Disc: Vote: #-#-#. Motion passed failed</p> <p>Significance finding/method: (select 1)</p> <p><input type="checkbox"/> Not significant by agreement</p> <p><input type="checkbox"/> Not significant by motion</p> <p><input type="checkbox"/> Significant by % of NP vote (>10%)</p> <p><input type="checkbox"/> Significant by agreement</p> <p><input type="checkbox"/> Significant by motion</p> <p>By/2nd: Disc: Vote: #-#-#. Motion passed failed</p>	

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LMR C16	Section 12.4	<p>Are all energetic materials as defined by this standard flammable or combustible or will the HSSD always detect a reaction problem?</p> <p>Suggestion / Justification The simplest solution would be to align this paragraph with paragraph 14.5.</p>	<p>(Select 1)</p> <p><input type="checkbox"/> Not related</p> <p><input type="checkbox"/> Not persuasive (assumes related)</p> <p><input checked="" type="checkbox"/> Related & persuasive</p> <p>Reason:</p>	<p><input checked="" type="checkbox"/> Withdrawn by Subm. (Date: __)</p> <p>Move to find this negative: (select 1)</p> <p><input type="checkbox"/> Not related (requires reason, follow)</p> <p><input type="checkbox"/> Committee new business</p> <p><input type="checkbox"/> Assigned to: _____</p> <p><input type="checkbox"/> Not persuasive (requires reason)</p> <p><input type="checkbox"/> Related & persuasive (ballot fails)</p> <p>Reason:</p> <p>By/2nd:</p> <p>Disc:</p> <p>Vote: #-#-#. Motion passed failed</p> <p>Significance finding/method: (select 1)</p> <p><input type="checkbox"/> Not significant by agreement</p> <p><input type="checkbox"/> Not significant by motion</p> <p><input type="checkbox"/> Significant by % of NP vote (>10%)</p> <p><input type="checkbox"/> Significant by agreement</p> <p><input type="checkbox"/> Significant by motion</p> <p>By/2nd:</p> <p>Disc:</p> <p>Vote: #-#-#. Motion passed failed</p>	

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LMR C17	12.6.8	<p>This criterion seems grossly inadequate. Is a single check valve adequate for this? Based on the criteria in S18 for separation of pyrophorics (a significant category of energetic materials) and oxidizers, I am guessing it is likely not. Similarly, if I have a liquid water reactive material that is not adequately volatilized away with purge gas, what is reasonable separation for flushing the line?</p> <p>Suggestion / Justification Provide criteria that will actually guide people to good robust design solutions rather than allow easy cop outs that then cause more incidents.</p>	<p>(Select 1) <input type="checkbox"/> Not related <input type="checkbox"/> Not persuasive (assumes related) <input checked="" type="checkbox"/> Related & persuasive Reason:</p>	<p><input type="checkbox"/> Withdrawn by Subm. (Date: __) Move to find this negative: (select 1) <input type="checkbox"/> Not related (requires reason, follow) <input type="checkbox"/> Committee new business <input type="checkbox"/> Assigned to: _____ <input type="checkbox"/> Not persuasive (requires reason) <input checked="" type="checkbox"/> Related & persuasive (ballot fails) Reason: By/2nd: Crane/Claes Disc: Vote: 9-0. Motion passed Significance finding/method: (select 1) <input type="checkbox"/> Not significant by agreement <input type="checkbox"/> Not significant by motion <input type="checkbox"/> Significant by % of NP vote (>10%) <input type="checkbox"/> Significant by agreement <input type="checkbox"/> Significant by motion By/2nd: Disc: Vote: #-#-#. Motion passed failed</p>	

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LMR C18	12.6.10 6 th bullet	<p>Why is an international standard calling out worldwide requirements to an American National Standard? Also, is this bullet truly limited to the manuals/procedures, or referring to labels on equipment and containers as well?</p> <p>Suggestion / Justification If limited to manuals, change the reference to S13. If also including equipment and container labeling, incorporate text similar to section 14.8.</p>	<p>(Select 1)</p> <p><input type="checkbox"/> Not related</p> <p><input type="checkbox"/> Not persuasive (assumes related)</p> <p><input checked="" type="checkbox"/> Related & persuasive</p> <p>Reason:</p>	<p><input type="checkbox"/> Withdrawn by Subm. (Date: __)</p> <p>Move to find this negative: (select 1)</p> <p><input type="checkbox"/> Not related (requires reason, follow)</p> <p><input type="checkbox"/> Committee new business</p> <p><input type="checkbox"/> Assigned to: _____</p> <p><input type="checkbox"/> Not persuasive (requires reason)</p> <p><input type="checkbox"/> Related & persuasive (ballot fails)</p> <p>Reason:</p> <p>By/2nd: Disc: Vote: #-#-#. Motion passed failed</p> <p>Significance finding/method: (select 1)</p> <p><input type="checkbox"/> Not significant by agreement</p> <p><input type="checkbox"/> Not significant by motion</p> <p><input type="checkbox"/> Significant by % of NP vote (>10%)</p> <p><input type="checkbox"/> Significant by agreement</p> <p><input type="checkbox"/> Significant by motion</p> <p>By/2nd: Disc: Vote: #-#-#. Motion passed failed</p>	

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LMR C19	13.1	Will local fire code requirements always be adequate for these new mystery chemistries? Suggestion / Justification Suggest also referencing the IFC or other applicable references as other good sources for guidance.	(Select 1) <input type="checkbox"/> Not related <input type="checkbox"/> Not persuasive (assumes related) <input type="checkbox"/> Related & persuasive Reason:	<input type="checkbox"/> Withdrawn by Subm. (Date: __) Move to find this negative: (select 1) <input type="checkbox"/> Not related (requires reason, follow) <input type="checkbox"/> Committee new business <input type="checkbox"/> Assigned to: _____ <input type="checkbox"/> Not persuasive (requires reason) <input type="checkbox"/> Related & persuasive (ballot fails) Reason: By/2nd: Disc: Vote: #-#-#. Motion passed failed Significance finding/method: (select 1) <input type="checkbox"/> Not significant by agreement <input type="checkbox"/> Not significant by motion <input type="checkbox"/> Significant by % of NP vote (>10%) <input type="checkbox"/> Significant by agreement <input type="checkbox"/> Significant by motion By/2nd: Disc: Vote: #-#-#. Motion passed failed	

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LMR C20	13.5.3	How do you evaluate adequacy of separation outside of the equipment? Ultimately, they purge gases probably come from the same source. Suggestion / Justification If there is some means for evaluating adequacy of separation outside of the equipment, provide it.	(Select 1) <input type="checkbox"/> Not related <input type="checkbox"/> Not persuasive (assumes related) <input type="checkbox"/> Related & persuasive Reason:	<input type="checkbox"/> Withdrawn by Subm. (Date: __) Move to find this negative: (select 1) <input type="checkbox"/> Not related (requires reason, follow) <input type="checkbox"/> Committee new business <input type="checkbox"/> Assigned to: _____ <input type="checkbox"/> Not persuasive (requires reason) <input type="checkbox"/> Related & persuasive (ballot fails) Reason: By/2nd: Disc: Vote: #-#-#. Motion passed failed Significance finding/method: (select 1) <input type="checkbox"/> Not significant by agreement <input type="checkbox"/> Not significant by motion <input type="checkbox"/> Significant by % of NP vote (>10%) <input type="checkbox"/> Significant by agreement <input type="checkbox"/> Significant by motion By/2nd: Disc: Vote: #-#-#. Motion passed failed	

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#	Ref.	Negative <u>including Justification</u>	TF Finding <u>and Reason</u>	Motion <u>and Reason</u> in Committee:	Final
LMR C21	13.5.4	<p>Why is an international standard calling out worldwide requirements only to an American National Standard?</p> <p>Suggestion / Justification Suggest changing references to SEMI S1 and likely GHS or similar requirements.</p>	<p>(Select 1)</p> <p><input type="checkbox"/> Not related</p> <p><input type="checkbox"/> Not persuasive (assumes related)</p> <p><input type="checkbox"/> Related & persuasive</p> <p>Reason:</p>	<p><input type="checkbox"/> Withdrawn by Subm. (Date: <input type="text"/>)</p> <p>Move to find this negative: (select 1)</p> <p><input type="checkbox"/> Not related (requires reason, follow)</p> <p><input type="checkbox"/> Committee new business</p> <p><input type="checkbox"/> Assigned to: <input type="text"/></p> <p><input type="checkbox"/> Not persuasive (requires reason)</p> <p><input type="checkbox"/> Related & persuasive (ballot fails)</p> <p>Reason:</p> <p>By/2nd:</p> <p>Disc:</p> <p>Vote: #-#-#. Motion passed failed</p> <p>Significance finding/method: (select 1)</p> <p><input type="checkbox"/> Not significant by agreement</p> <p><input type="checkbox"/> Not significant by motion</p> <p><input type="checkbox"/> Significant by % of NP vote (>10%)</p> <p><input type="checkbox"/> Significant by agreement</p> <p><input type="checkbox"/> Significant by motion</p> <p>By/2nd:</p> <p>Disc:</p> <p>Vote: #-#-#. Motion passed failed</p>	

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LMR C22	Section 14.1	<p>COMMENT</p> <p>There are a bunch of structural and punctuation problems that can be addressed editorially:</p> <ul style="list-style-type: none"> • Delete the colon at the end of ¶ 14.1 as it is redundant with the paragraph structure • Replace the space and comma at the end of 14.1.1 and replace with a period • Move 14.1.3.1 to 14.1.2.1 as it is more appropriate there. This includes Note 19. • Delete 14.1.3 as it is redundant with 14.1.2 • Make everything after the first sentence of 14.1.2 a new paragraph 14.1.3 as it is a separate topic. This includes Note 18. Delete the second period at the end of the first sentence of this new paragraph as only one is needed. 	<p>(Select 1)</p> <p><input type="checkbox"/> Not related</p> <p><input type="checkbox"/> Not persuasive (assumes related)</p> <p><input checked="" type="checkbox"/> Related & persuasive</p> <p>Reason:</p>	<p><input type="checkbox"/> Withdrawn by Subm. (Date: <input type="text"/>)</p> <p>Move to find this negative: (select 1)</p> <p><input type="checkbox"/> Not related (requires reason, follow)</p> <p><input type="checkbox"/> Committee new business</p> <p><input type="checkbox"/> Assigned to: <input type="text"/></p> <p><input type="checkbox"/> Not persuasive (requires reason)</p> <p><input checked="" type="checkbox"/> Related & persuasive (ballot fails)</p> <p>Reason:</p> <p>By/2nd:</p> <p>Disc:</p> <p>Vote: #-#-#. Motion passed failed</p> <p>Significance finding/method: (select 1)</p> <p><input type="checkbox"/> Not significant by agreement</p> <p><input type="checkbox"/> Not significant by motion</p> <p><input type="checkbox"/> Significant by % of NP vote (>10%)</p> <p><input type="checkbox"/> Significant by agreement</p> <p><input type="checkbox"/> Significant by motion</p> <p>By/2nd:</p> <p>Disc:</p> <p>Vote: #-#-#. Motion passed failed</p>	

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LMR C23	14.1.2 & 14.1.4	<p>Since the topic of this document is energetic materials, it seems appropriate to provide some guidance for the strength of the latching mechanism, whether the self-latching main door or the potentially manually latching access port. This seems especially true if the cabinet is supposed to withstand a material reaction and still have enough integrity for the exhaust to contain the chemical emissions.</p> <p>Suggestion / Justification Provide auditable criteria for the latching mechanism or at least something more than a vaguely implied requirement.</p>	<p>(Select 1)</p> <p><input type="checkbox"/> Not related</p> <p><input type="checkbox"/> Not persuasive (assumes related)</p> <p><input type="checkbox"/> Related & persuasive</p> <p>Reason:</p>	<p><input type="checkbox"/> Withdrawn by Subm. (Date: <input type="text"/>)</p> <p>Move to find this negative: (select 1)</p> <p><input type="checkbox"/> Not related (requires reason, follow)</p> <p><input type="checkbox"/> Committee new business</p> <p><input type="checkbox"/> Assigned to: <input type="text"/></p> <p><input type="checkbox"/> Not persuasive (requires reason)</p> <p><input type="checkbox"/> Related & persuasive (ballot fails)</p> <p>Reason:</p> <p>By/2nd:</p> <p>Disc:</p> <p>Vote: #-#-#. Motion passed failed</p> <p>Significance finding/method: (select 1)</p> <p><input type="checkbox"/> Not significant by agreement</p> <p><input type="checkbox"/> Not significant by motion</p> <p><input type="checkbox"/> Significant by % of NP vote (>10%)</p> <p><input type="checkbox"/> Significant by agreement</p> <p><input type="checkbox"/> Significant by motion</p> <p>By/2nd:</p> <p>Disc:</p> <p>Vote: #-#-#. Motion passed failed</p>	

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LMR C24	14.1.3.1	<p>This criterion seems equally applicable and appropriate for section 12.2</p> <p>Suggestion / Justification Copy the paragraph to section 12.2 as it is appropriate for remote systems as well.</p>	<p>(Select 1)</p> <p><input type="checkbox"/> Not related</p> <p><input type="checkbox"/> Not persuasive (assumes related)</p> <p><input type="checkbox"/> Related & persuasive</p> <p>Reason:</p>	<p><input type="checkbox"/> Withdrawn by Subm. (Date: <input type="text"/>)</p> <p>Move to find this negative: (select 1)</p> <p><input type="checkbox"/> Not related (requires reason, follow)</p> <p><input type="checkbox"/> Committee new business</p> <p><input type="checkbox"/> Assigned to: <input type="text"/></p> <p><input type="checkbox"/> Not persuasive (requires reason)</p> <p><input type="checkbox"/> Related & persuasive (ballot fails)</p> <p>Reason:</p> <p>By/2nd:</p> <p>Disc:</p> <p>Vote: #-#-#. Motion passed failed</p> <p>Significance finding/method: (select 1)</p> <p><input type="checkbox"/> Not significant by agreement</p> <p><input type="checkbox"/> Not significant by motion</p> <p><input type="checkbox"/> Significant by % of NP vote (>10%)</p> <p><input type="checkbox"/> Significant by agreement</p> <p><input type="checkbox"/> Significant by motion</p> <p>By/2nd:</p> <p>Disc:</p> <p>Vote: #-#-#. Motion passed failed</p>	

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LMR C25	14.2	I don't believe that the IFC is universally adopted around the world. Suggestion / Justification Suggest adding "Local and " between "such that" and "International Fire Code"	(Select 1) <input type="checkbox"/> Not related <input type="checkbox"/> Not persuasive (assumes related) <input type="checkbox"/> Related & persuasive Reason:	<input type="checkbox"/> Withdrawn by Subm. (Date: __) Move to find this negative: (select 1) <input type="checkbox"/> Not related (requires reason, follow) <input type="checkbox"/> Committee new business <input type="checkbox"/> Assigned to: _____ <input type="checkbox"/> Not persuasive (requires reason) <input type="checkbox"/> Related & persuasive (ballot fails) Reason: By/2nd: Disc: Vote: #-#-#. Motion passed failed Significance finding/method: (select 1) <input type="checkbox"/> Not significant by agreement <input type="checkbox"/> Not significant by motion <input type="checkbox"/> Significant by % of NP vote (>10%) <input type="checkbox"/> Significant by agreement <input type="checkbox"/> Significant by motion By/2nd: Disc: Vote: #-#-#. Motion passed failed	

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LMR C26	14.3.2	<p>Are these available in all regions where the industry is active and these materials may be needed?</p> <p>Suggestion / Justification If not available, they what is suggested?</p>	<p>(Select 1)</p> <p><input type="checkbox"/> Not related</p> <p><input type="checkbox"/> Not persuasive (assumes related)</p> <p><input type="checkbox"/> Related & persuasive</p> <p>Reason:</p>	<p><input type="checkbox"/> Withdrawn by Subm. (Date: __)</p> <p>Move to find this negative: (select 1)</p> <p><input type="checkbox"/> Not related (requires reason, follow)</p> <p><input type="checkbox"/> Committee new business</p> <p><input type="checkbox"/> Assigned to: _____</p> <p><input type="checkbox"/> Not persuasive (requires reason)</p> <p><input type="checkbox"/> Related & persuasive (ballot fails)</p> <p>Reason:</p> <p>By/2nd:</p> <p>Disc:</p> <p>Vote: #-#-#. Motion passed failed</p> <p>Significance finding/method: (select 1)</p> <p><input type="checkbox"/> Not significant by agreement</p> <p><input type="checkbox"/> Not significant by motion</p> <p><input type="checkbox"/> Significant by % of NP vote (>10%)</p> <p><input type="checkbox"/> Significant by agreement</p> <p><input type="checkbox"/> Significant by motion</p> <p>By/2nd:</p> <p>Disc:</p> <p>Vote: #-#-#. Motion passed failed</p>	

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LMR C27	14.3.2 & Note 20 & 14.3.4.1	<p>Using the same valve for both process control and the safety shut-off violates the SEMI S2 single fault tolerant expectation for interlocks.</p> <p>Suggestion / Justification If the intent is to violate the single fault tolerant clause from S2, then clearly state this as an associated S2 review is already mentioned earlier. If not, then providing clarifying text to indicate how this statement and the single fault clause can both be met (e.g. redundancy of controls when done correctly).</p>	<p>(Select 1)</p> <p><input type="checkbox"/> Not related</p> <p><input type="checkbox"/> Not persuasive (assumes related)</p> <p><input type="checkbox"/> Related & persuasive</p> <p>Reason:</p>	<p><input type="checkbox"/> Withdrawn by Subm. (Date: <input type="text"/>)</p> <p>Move to find this negative: (select 1)</p> <p><input type="checkbox"/> Not related (requires reason, follow)</p> <p><input type="checkbox"/> Committee new business</p> <p><input type="checkbox"/> Assigned to: <input type="text"/></p> <p><input type="checkbox"/> Not persuasive (requires reason)</p> <p><input type="checkbox"/> Related & persuasive (ballot fails)</p> <p>Reason:</p> <p>By/2nd:</p> <p>Disc:</p> <p>Vote: #-#-#. Motion passed failed</p> <p>Significance finding/method: (select 1)</p> <p><input type="checkbox"/> Not significant by agreement</p> <p><input type="checkbox"/> Not significant by motion</p> <p><input type="checkbox"/> Significant by % of NP vote (>10%)</p> <p><input type="checkbox"/> Significant by agreement</p> <p><input type="checkbox"/> Significant by motion</p> <p>By/2nd:</p> <p>Disc:</p> <p>Vote: #-#-#. Motion passed failed</p>	

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LMR C28	14.3.4	<p>While the reference to § 18 will get you to the hazardous energy isolation or LOTO aspects, at this point, this paragraph could also be interpreted as metering the flow rate of the material.</p> <p>Suggestion / Justification Suggest adding “isolation” or “LOTO” into the text.</p>	<p>(Select 1)</p> <p><input type="checkbox"/> Not related</p> <p><input type="checkbox"/> Not persuasive (assumes related)</p> <p><input type="checkbox"/> Related & persuasive</p> <p>Reason:</p>	<p><input type="checkbox"/> Withdrawn by Subm. (Date: __)</p> <p>Move to find this negative: (select 1)</p> <p><input type="checkbox"/> Not related (requires reason, follow)</p> <p><input type="checkbox"/> Committee new business</p> <p><input type="checkbox"/> Assigned to: _____</p> <p><input type="checkbox"/> Not persuasive (requires reason)</p> <p><input type="checkbox"/> Related & persuasive (ballot fails)</p> <p>Reason:</p> <p>By/2nd:</p> <p>Disc:</p> <p>Vote: #-#-#. Motion passed failed</p> <p>Significance finding/method: (select 1)</p> <p><input type="checkbox"/> Not significant by agreement</p> <p><input type="checkbox"/> Not significant by motion</p> <p><input type="checkbox"/> Significant by % of NP vote (>10%)</p> <p><input type="checkbox"/> Significant by agreement</p> <p><input type="checkbox"/> Significant by motion</p> <p>By/2nd:</p> <p>Disc:</p> <p>Vote: #-#-#. Motion passed failed</p>	

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LMR C29	14.3.4.1	<p>As written, this paragraph is rather convoluted and the paragraph symbol (§) before “10.1.1” should be a section symbol (§).</p> <p>Suggestion / Justification Rewrite the criteria for improved clarity, such as “A single hybrid valve (i.e. a valve with both pneumatic and manual means for actuating) may be used if it meets the following criteria</p> <ul style="list-style-type: none"> The manual locking means positively (<i>i.e.</i>, not by a spring mechanism) closes the valve Meets all the criteria of § 10.1.1, and <p>The valve can be manually closed and locked whether or not there is a pneumatic signal opening the valve.”</p>	<p>(Select 1)</p> <p><input type="checkbox"/> Not related</p> <p><input type="checkbox"/> Not persuasive (assumes related)</p> <p><input type="checkbox"/> Related & persuasive</p> <p>Reason:</p>	<p><input type="checkbox"/> Withdrawn by Subm. (Date: __)</p> <p>Move to find this negative: (select 1)</p> <p><input type="checkbox"/> Not related (requires reason, follow)</p> <p><input type="checkbox"/> Committee new business</p> <p><input type="checkbox"/> Assigned to: _____</p> <p><input type="checkbox"/> Not persuasive (requires reason)</p> <p><input type="checkbox"/> Related & persuasive (ballot fails)</p> <p>Reason:</p> <p>By/2nd: Disc: Vote: #-#-#. Motion passed failed</p> <p>Significance finding/method: (select 1)</p> <p><input type="checkbox"/> Not significant by agreement</p> <p><input type="checkbox"/> Not significant by motion</p> <p><input type="checkbox"/> Significant by % of NP vote (>10%)</p> <p><input type="checkbox"/> Significant by agreement</p> <p><input type="checkbox"/> Significant by motion</p> <p>By/2nd: Disc: Vote: #-#-#. Motion passed failed</p>	

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LMR C30	14.5 second bullet	<p>Is there a reason for referring to an “optical flame sensor” in the first sentence and a “UV/IR sensor” in the second paragraph?</p> <p>Suggestion / Justification Use the same term, and optical seems more appropriate as some are a combination, some are UV only, and some are IR only.</p>	<p>(Select 1)</p> <p><input type="checkbox"/> Not related</p> <p><input type="checkbox"/> Not persuasive (assumes related)</p> <p><input type="checkbox"/> Related & persuasive</p> <p>Reason:</p>	<p><input type="checkbox"/> Withdrawn by Subm. (Date: <u> </u>)</p> <p>Move to find this negative: (select 1)</p> <p><input type="checkbox"/> Not related (requires reason, follow)</p> <p><input type="checkbox"/> Committee new business</p> <p><input type="checkbox"/> Assigned to: <u> </u></p> <p><input type="checkbox"/> Not persuasive (requires reason)</p> <p><input type="checkbox"/> Related & persuasive (ballot fails)</p> <p>Reason:</p> <p>By/2nd:</p> <p>Disc:</p> <p>Vote: #-#-#. Motion passed failed</p> <p>Significance finding/method: (select 1)</p> <p><input type="checkbox"/> Not significant by agreement</p> <p><input type="checkbox"/> Not significant by motion</p> <p><input type="checkbox"/> Significant by % of NP vote (>10%)</p> <p><input type="checkbox"/> Significant by agreement</p> <p><input type="checkbox"/> Significant by motion</p> <p>By/2nd:</p> <p>Disc:</p> <p>Vote: #-#-#. Motion passed failed</p>	

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LMR C31	14.6	<p>The scope of S3 states that it only applies to process liquid heating systems. There are no criteria for external heating of vessels and only address heat transfer fluids when they are used to transfer heat from a heating mechanism to the process liquid.</p> <p>Suggestion / Justification Replace with more appropriate references or directly add criteria to this document.</p>	<p>(Select 1)</p> <p><input type="checkbox"/> Not related</p> <p><input type="checkbox"/> Not persuasive (assumes related)</p> <p><input type="checkbox"/> Related & persuasive</p> <p>Reason:</p>	<p><input type="checkbox"/> Withdrawn by Subm. (Date: <u> </u>)</p> <p>Move to find this negative: (select 1)</p> <p><input type="checkbox"/> Not related (requires reason, follow)</p> <p><input type="checkbox"/> Committee new business</p> <p><input type="checkbox"/> Assigned to: <u> </u></p> <p><input type="checkbox"/> Not persuasive (requires reason)</p> <p><input type="checkbox"/> Related & persuasive (ballot fails)</p> <p>Reason:</p> <p>By/2nd: Disc: Vote: #-#-#. Motion passed failed</p> <p>Significance finding/method: (select 1)</p> <p><input type="checkbox"/> Not significant by agreement</p> <p><input type="checkbox"/> Not significant by motion</p> <p><input type="checkbox"/> Significant by % of NP vote (>10%)</p> <p><input type="checkbox"/> Significant by agreement</p> <p><input type="checkbox"/> Significant by motion</p> <p>By/2nd: Disc: Vote: #-#-#. Motion passed failed</p>	

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LMR C32	14.7.1	<p>What is the purpose of having a criterion that is entirely permissive with no restrictions?</p> <p>Suggestion / Justification If this is useful information to keep, make it a note. Otherwise delete.</p>	<p>(Select 1)</p> <p><input type="checkbox"/> Not related</p> <p><input type="checkbox"/> Not persuasive (assumes related)</p> <p><input type="checkbox"/> Related & persuasive</p> <p>Reason:</p>	<p><input type="checkbox"/> Withdrawn by Subm. (Date: <input type="text"/>)</p> <p>Move to find this negative: (select 1)</p> <p><input type="checkbox"/> Not related (requires reason, follow)</p> <p><input type="checkbox"/> Committee new business</p> <p><input type="checkbox"/> Assigned to: <input type="text"/></p> <p><input type="checkbox"/> Not persuasive (requires reason)</p> <p><input type="checkbox"/> Related & persuasive (ballot fails)</p> <p>Reason:</p> <p>By/2nd:</p> <p>Disc:</p> <p>Vote: #-#-#. Motion passed failed</p> <p>Significance finding/method: (select 1)</p> <p><input type="checkbox"/> Not significant by agreement</p> <p><input type="checkbox"/> Not significant by motion</p> <p><input type="checkbox"/> Significant by % of NP vote (>10%)</p> <p><input type="checkbox"/> Significant by agreement</p> <p><input type="checkbox"/> Significant by motion</p> <p>By/2nd:</p> <p>Disc:</p> <p>Vote: #-#-#. Motion passed failed</p>	

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LMR C33	14.7.2 2 nd sentence	Delete the stray “and the container” between “the overfill control closes” and “does not cause” in this very long sentence or rewrite this very long sentence to make it grammatically correct with this additional phrase.	(Select 1) <input type="checkbox"/> Not related <input type="checkbox"/> Not persuasive (assumes related) <input checked="" type="checkbox"/> Related & persuasive Reason:	<input checked="" type="checkbox"/> Withdrawn by Subm. (Date: __) Move to find this negative: (select 1) <input type="checkbox"/> Not related (requires reason, follow) <input type="checkbox"/> Committee new business <input type="checkbox"/> Assigned to: _____ <input type="checkbox"/> Not persuasive (requires reason) <input type="checkbox"/> Related & persuasive (ballot fails) Reason: By/2nd: Disc: Vote: #-#-#. Motion passed failed Significance finding/method: (select 1) <input type="checkbox"/> Not significant by agreement <input type="checkbox"/> Not significant by motion <input type="checkbox"/> Significant by % of NP vote (>10%) <input type="checkbox"/> Significant by agreement <input type="checkbox"/> Significant by motion By/2nd: Disc: Vote: #-#-#. Motion passed failed	

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LMR C34	Section 14.9	<p>It seems that some requirements related to adequate separation of purge gases between incompatible materials is appropriate here. With 14.9.2, it seems that addressing the idea of flushing the lines may also be needed, which could then require adequate separation of water reactives and DIW.</p> <p>Suggestion / Justification Update as appropriate.</p>	<p>(Select 1)</p> <p><input type="checkbox"/> Not related</p> <p><input type="checkbox"/> Not persuasive (assumes related)</p> <p><input type="checkbox"/> Related & persuasive</p> <p>Reason:</p>	<p><input type="checkbox"/> Withdrawn by Subm. (Date: <input type="text"/>)</p> <p>Move to find this negative: (select 1)</p> <p><input type="checkbox"/> Not related (requires reason, follow)</p> <p><input type="checkbox"/> Committee new business</p> <p><input type="checkbox"/> Assigned to: <input type="text"/></p> <p><input type="checkbox"/> Not persuasive (requires reason)</p> <p><input type="checkbox"/> Related & persuasive (ballot fails)</p> <p>Reason:</p> <p>By/2nd:</p> <p>Disc:</p> <p>Vote: #-#-#. Motion passed failed</p> <p>Significance finding/method: (select 1)</p> <p><input type="checkbox"/> Not significant by agreement</p> <p><input type="checkbox"/> Not significant by motion</p> <p><input type="checkbox"/> Significant by % of NP vote (>10%)</p> <p><input type="checkbox"/> Significant by agreement</p> <p><input type="checkbox"/> Significant by motion</p> <p>By/2nd:</p> <p>Disc:</p> <p>Vote: #-#-#. Motion passed failed</p>	

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#	Ref.	Negative <u>including Justification</u>	TF Finding <u>and Reason</u>	Motion <u>and Reason</u> in Committee:	Final
LMR C35	15.2.3	Isn't prevention of mixing of incompatible materials more of a gas box requirement than a process chamber requirement? Suggestion / Justification Move the requirement as appropriate.	(Select 1) <input type="checkbox"/> Not related <input type="checkbox"/> Not persuasive (assumes related) <input type="checkbox"/> Related & persuasive Reason:	<input type="checkbox"/> Withdrawn by Subm. (Date: <input type="text"/>) Move to find this negative: (select 1) <input type="checkbox"/> Not related (requires reason, follow) <input type="checkbox"/> Committee new business <input type="checkbox"/> Assigned to: <input type="text"/> <input type="checkbox"/> Not persuasive (requires reason) <input type="checkbox"/> Related & persuasive (ballot fails) Reason: By/2nd: Disc: Vote: #-#-#. Motion passed failed Significance finding/method: (select 1) <input type="checkbox"/> Not significant by agreement <input type="checkbox"/> Not significant by motion <input type="checkbox"/> Significant by % of NP vote (>10%) <input type="checkbox"/> Significant by agreement <input type="checkbox"/> Significant by motion By/2nd: Disc: Vote: #-#-#. Motion passed failed	

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LMR C36	15.3	Is “in accordance with the SEMI S2 evaluation” an appropriate addition to the end of this sentence? Suggestion / Justification Modify as appropriate.	(Select 1) <input type="checkbox"/> Not related <input type="checkbox"/> Not persuasive (assumes related) <input type="checkbox"/> Related & persuasive Reason:	<input type="checkbox"/> Withdrawn by Subm. (Date: __) Move to find this negative: (select 1) <input type="checkbox"/> Not related (requires reason, follow) <input type="checkbox"/> Committee new business <input type="checkbox"/> Assigned to: _____ <input type="checkbox"/> Not persuasive (requires reason) <input type="checkbox"/> Related & persuasive (ballot fails) Reason: By/2nd: Disc: Vote: #-#-#. Motion passed failed Significance finding/method: (select 1) <input type="checkbox"/> Not significant by agreement <input type="checkbox"/> Not significant by motion <input type="checkbox"/> Significant by % of NP vote (>10%) <input type="checkbox"/> Significant by agreement <input type="checkbox"/> Significant by motion By/2nd: Disc: Vote: #-#-#. Motion passed failed	

Comments

Summary: 14 Total Items Submitted

Company: Submitter	ID	#	Company: Submitter	ID	#
KFPI: Matthew Wyman	KOETTE R	3	SCREEN Semiconductor Solutions: Ryosuke Imamiya	SCREEN	1
Instituto Tecnológico Superior de Irapuato: Vargas Bernal, Rafael	ITSdI	1	Edwards : Michael Gordon	EDWRD S	1
INTEL: Scott Swanson	INTEL	1	Lam Research: Sean Larsen (see LMRC12 & LMRC22 for comment above)	LRCX	2
Applied Materials: Ed Karl	AMAT	5			

Details:

NOTICE: Items from “Reject” votes that are clearly marked by the voter as comments can be reviewed here.

#	Ref.	Comment	TF Response	Committee Action:
EDW RDS- 1		<p>Accept with comment</p> <p>Revise section 16.2.1:</p> <p>Forelines and vacuum pump exhaust lines should be designed to minimize condensation and build up of byproducts by</p> <ul style="list-style-type: none"> • Ensuring that long horizontal runs are minimized • Having as few bends as practicable. • Having a maximum angle of 45 degrees in any foreline bend where possible • Avoiding low spots in both the foreline and the pump vacuum pump exhaust line where possible. 		<p>(Select one)</p> <p><input type="checkbox"/> No further action</p> <p><input type="checkbox"/> Refer to TF for further review</p> <p><input type="checkbox"/> New Business</p> <p><input type="checkbox"/> Editorial Change: #__ in ECs below</p> <p><input type="checkbox"/> Other:</p> <p>(Select one)</p> <p><input type="checkbox"/> Committee agrees (no motion nec.)</p> <p><input type="checkbox"/> Motion to act as indicated above:</p> <p>By/2nd:</p> <p>Disc:</p> <p>Vote: #-#-#. Motion passed failed</p>
ITDd I-1		<p>Accept with comment</p> <p>The first letter of the subsections 8.4.1 to 8.4.10 must be capital letter. In subsection 13.6 and '14.1.1', '.' at the end is required. '..' was found in subsection '14.1.2'</p>		<p>(Select one)</p> <p><input type="checkbox"/> No further action</p> <p><input type="checkbox"/> Refer to TF for further review</p> <p><input type="checkbox"/> New Business</p> <p><input type="checkbox"/> Editorial Change: #__ in ECs below</p> <p><input type="checkbox"/> Other:</p> <p>(Select one)</p> <p><input type="checkbox"/> Committee agrees (no motion nec.)</p> <p><input type="checkbox"/> Motion to act as indicated above:</p> <p>By/2nd:</p> <p>Disc:</p> <p>Vote: #-#-#. Motion passed failed</p>
KOE TTE R-1	12.4. 2	<p>Accept with comment</p> <p>Replace 'UV/IR sensor' with 'optical flame sensor'.</p>		<p>(Select one)</p> <p><input type="checkbox"/> No further action</p> <p><input type="checkbox"/> Refer to TF for further review</p> <p><input type="checkbox"/> New Business</p> <p><input type="checkbox"/> Editorial Change: #__ in ECs below</p> <p><input type="checkbox"/> Other:</p> <p>(Select one)</p> <p><input type="checkbox"/> Committee agrees (no motion nec.)</p> <p><input type="checkbox"/> Motion to act as indicated above:</p> <p>By/2nd:</p> <p>Disc:</p> <p>Vote: #-#-#. Motion passed failed</p>

#	Ref.	Comment	TF Response	Committee Action:
KOE TTE R-2	13.4	Accept with comment Why is this section in both 12.5 and 13.4? Seems like it should be Supplier Criteria (12.5) or User Criteria (13.4) both maybe not both?		(Select one) <input type="checkbox"/> No further action <input type="checkbox"/> Refer to TF for further review <input type="checkbox"/> New Business <input type="checkbox"/> Editorial Change: #___in ECs below <input type="checkbox"/> Other: (Select one) <input type="checkbox"/> Committee agrees (no motion nec.) <input type="checkbox"/> Motion to act as indicated above: <i>Byl/2nd:</i> <i>Disc:</i> <i>Vote: #-#-#. Motion passed failed</i>
KOE TTE R-3	14.5	Accept with comment (same as 12.4.2) Replace 'UV/IR sensor' with 'optical flame sensor'		(Select one) <input type="checkbox"/> No further action <input type="checkbox"/> Refer to TF for further review <input type="checkbox"/> New Business <input type="checkbox"/> Editorial Change: #___in ECs below <input type="checkbox"/> Other: (Select one) <input type="checkbox"/> Committee agrees (no motion nec.) <input type="checkbox"/> Motion to act as indicated above: <i>Byl/2nd:</i> <i>Disc:</i> <i>Vote: #-#-#. Motion passed failed</i>
SCR EEN- 1		Abstain with comment Table R1-1 Miscellaneous information What are the numbers in Primary Class, Subsidiary Hazard and Packing Group. Please add definitions or explanations of these words.		(Select one) <input type="checkbox"/> No further action <input type="checkbox"/> Refer to TF for further review <input type="checkbox"/> New Business <input type="checkbox"/> Editorial Change: #___in ECs below <input type="checkbox"/> Other: (Select one) <input type="checkbox"/> Committee agrees (no motion nec.) <input type="checkbox"/> Motion to act as indicated above: <i>Byl/2nd:</i> <i>Disc:</i> <i>Vote: #-#-#. Motion passed failed</i>

#	Ref.	Comment	TF Response	Committee Action:
AMAT-1	6.2.3	<p>Comment</p> <p>Section 6.2.3 uses the term "S2" instead of "SEMI S2". This is an inconsistent use of terminology.</p> <p><u>Proposed Solution:</u> Change "S2" to "SEMI S2".</p>		<p>(Select one)</p> <p><input type="checkbox"/> No further action</p> <p><input type="checkbox"/> Refer to TF for further review</p> <p><input type="checkbox"/> New Business</p> <p><input type="checkbox"/> Editorial Change: #__ in ECs below</p> <p><input type="checkbox"/> Other:</p> <p>(Select one)</p> <p><input type="checkbox"/> Committee agrees (no motion nec.)</p> <p><input type="checkbox"/> Motion to act as indicated above:</p> <p><i>By/2nd:</i></p> <p><i>Disc:</i></p> <p><i>Vote: #-#-#. Motion passed failed</i></p>
AMAT-2	9.2.3	<p>Comment</p> <p>Missing period at the end of the sentence. Consistency in document format.</p> <p><u>Proposed Solution:</u> Add period to the end of the sentence.</p>		<p>(Select one)</p> <p><input type="checkbox"/> No further action</p> <p><input type="checkbox"/> Refer to TF for further review</p> <p><input type="checkbox"/> New Business</p> <p><input type="checkbox"/> Editorial Change: #__ in ECs below</p> <p><input type="checkbox"/> Other:</p> <p>(Select one)</p> <p><input type="checkbox"/> Committee agrees (no motion nec.)</p> <p><input type="checkbox"/> Motion to act as indicated above:</p> <p><i>By/2nd:</i></p> <p><i>Disc:</i></p> <p><i>Vote: #-#-#. Motion passed failed</i></p>
AMAT-3	9.2.4	<p>Comment</p> <p>Missing period at the end of the sentence. Consistency in document format.</p> <p><u>Proposed Solution:</u> Add period to the end of the sentence.</p>		<p>(Select one)</p> <p><input type="checkbox"/> No further action</p> <p><input type="checkbox"/> Refer to TF for further review</p> <p><input type="checkbox"/> New Business</p> <p><input type="checkbox"/> Editorial Change: #__ in ECs below</p> <p><input type="checkbox"/> Other:</p> <p>(Select one)</p> <p><input type="checkbox"/> Committee agrees (no motion nec.)</p> <p><input type="checkbox"/> Motion to act as indicated above:</p> <p><i>By/2nd:</i></p> <p><i>Disc:</i></p> <p><i>Vote: #-#-#. Motion passed failed</i></p>

#	Ref.	Comment	TF Response	Committee Action:
AMAT-4	14.1.1	<p>Comment</p> <p>Section 14.1.1 concludes with a comma which is not consistent with the format of the document.</p> <p>Proposed Solution:</p> <p>Replace "," with "." at the end of the sentence.</p>		<p>(Select one)</p> <p><input type="checkbox"/> No further action</p> <p><input type="checkbox"/> Refer to TF for further review</p> <p><input type="checkbox"/> New Business</p> <p><input type="checkbox"/> Editorial Change: #__ in ECs below</p> <p><input type="checkbox"/> Other:</p> <p>(Select one)</p> <p><input type="checkbox"/> Committee agrees (no motion nec.)</p> <p><input type="checkbox"/> Motion to act as indicated above:</p> <p>By/2nd:</p> <p>Disc:</p> <p>Vote: #-#-#. Motion passed failed</p>
AMAT-5	5.2.26	<p>Comment</p> <p>Note 7 contains an outdated link to the UNECE's Global Harmonized System of Classification and Labelling of Chemicals (GHS).</p> <p>Proposed Solution:</p> <p>Replace the outdated link with the top-level link instead:</p> <p>http://www.unece.org/trans/danger/publi/ghs/ghs_welcome_e.html</p>		<p>(Select one)</p> <p><input type="checkbox"/> No further action</p> <p><input type="checkbox"/> Refer to TF for further review</p> <p><input type="checkbox"/> New Business</p> <p><input type="checkbox"/> Editorial Change: #__ in ECs below</p> <p><input type="checkbox"/> Other:</p> <p>(Select one)</p> <p><input type="checkbox"/> Committee agrees (no motion nec.)</p> <p><input type="checkbox"/> Motion to act as indicated above:</p> <p>By/2nd:</p> <p>Disc:</p> <p>Vote: #-#-#. Motion passed failed</p>
Intel-1		<p>Accept with comment</p> <p>14.1.2 The requirement should be a door that interlocks the chemical delivery supply system</p> <p>Having a self closing door with hold open mechanism and automated closure is not required per fire code. The risk of failure occurring is low. There are multiple controls that would prevent uncontrolled release – failure of the pneumatic valve, interlock panel, normally closed valve, low pressure containers.</p> <p>Even pressurized cylinders do not have such a requirement in the VMB.</p>		<p>(Select one)</p> <p><input type="checkbox"/> No further action</p> <p><input type="checkbox"/> Refer to TF for further review</p> <p><input type="checkbox"/> New Business</p> <p><input type="checkbox"/> Editorial Change: #__ in ECs below</p> <p><input type="checkbox"/> Other:</p> <p>(Select one)</p> <p><input type="checkbox"/> Committee agrees (no motion nec.)</p> <p><input type="checkbox"/> Motion to act as indicated above:</p> <p>By/2nd:</p> <p>Disc:</p> <p>Vote: #-#-#. Motion passed failed</p>

Summary of Editorial Changes

NOTICE: TF leaders have the option of addressing editorial changes prior to addressing negatives, if they believe that their editorial changes will render some or all of the submitted negatives non-persuasive.

NOTICE: It is only necessary to approve each editorial change separately if someone objects to one or more of the suggested changes.

#	Ref.	Before	After	Object? (Y/N)	Motion to Approve: (if necessary)
					By/2nd: Disc: Vote: #-#-#. Motion passed failed
					By/2nd: Disc: Vote: #-#-#. Motion passed failed

Move to approve **all** editorial changes as shown above:

By/2nd:

Disc:

Vote: #-#-#. **Motion passed failed**

Forwarding Motions

<i>Documents Passing Review</i>	<i>Documents Failing Review</i>
<p>Safety Check</p> <p>Move to find that this document:</p> <p><input type="checkbox"/> Is NOT a safety document: when all safety-related information is removed, the document is still technically sound and complete.</p> <p><input type="checkbox"/> IS a safety document: when all safety-related information is removed, the document is not technically sound and complete.</p> <p><input type="checkbox"/> The Safety Checklist (Regulations 13.3) for this document is complete and has accompanied the document through the balloting process.</p> <p><i>By/2nd:</i></p> <p><i>Disc:</i></p> <p><i>Vote: #-#-#. Motion passed failed</i></p> <p>Intellectual Property Check</p> <p>The meeting chair asked those present in person or by electronic link, if they were aware of any patented or copyrighted material in the Standard or Guideline. (Note: Such material might have become known since the Standard or Safety Guideline was last reviewed, or might become relevant due to this ballot.)</p> <p><input type="checkbox"/> No patented or copyrighted material is known to exist in the Standard or Guideline. (no motion needed)</p> <p><input type="checkbox"/> Patented or copyrighted material is known to exist in the Standard or Guideline but release for such material has been obtained or presented to the committee. (no motion needed)</p> <p><input type="checkbox"/> Patented or copyrighted material is known to exist in the Standard or Guideline but release for some of the material(s) has NOT been obtained or presented to the committee. The committee moves to:</p> <p><input type="checkbox"/> Ask the ISC for special permission to publish the standard without release</p> <p><input type="checkbox"/> Quit the activity</p> <p><input type="checkbox"/> Wait for the release of the patented or copyrighted material.</p> <p><i>By/2nd:</i></p> <p><i>Disc:</i></p> <p><i>Vote: #-#-#. Motion passed failed</i></p> <p>Final Action</p> <p>Move to:</p> <p><input type="checkbox"/> Pass this document as balloted and forward to the A&R for procedural review.</p> <p><input type="checkbox"/> Pass this document with editorial changes and forward to the A&R for procedural review.</p> <p><i>By/2nd:</i></p> <p><i>Disc:</i></p> <p><i>Vote: #-#-#. Motion passed failed</i></p>	<p>Followup Activity Authorization</p> <p>Move to:</p> <p><input checked="" type="checkbox"/> Return ballot to the originating task force for rework</p> <p><input type="checkbox"/> and authorize a follow-up ballot</p> <p><input type="checkbox"/> Transfer ballot to the (name) task force for rework</p> <p><input type="checkbox"/> and authorize a follow-up ballot</p> <p><input type="checkbox"/> Discontinue work on ballot.</p> <p><i>By/2nd: Larsen/Crane</i></p> <p><i>Disc:</i></p> <p><i>Vote: 8-0. Motion passed</i></p>