

## Semicon West 2016 Standards Meeting- TASK FORCE REPORTS

### 1) Filters and Purifiers TF:

Doc 5244B (Revision of SEMI F21)

#### 1. Doc. 5244B, Revision of SEMI F21–1102, Classification of Airborne Molecular Contaminant Levels in Clean Environments

1	
As Cast Ballot Tally Summary For Document 5244B	
Return Percentage: 61.02%	TC Voting Interest Returns: 36
	TC Voting Interest Distribution: 59
Total Voting Interests/Votes Received: 49/57	
Number of Accepts: 17	
Accept %: 94.44%	Number of Rejects: 1
Total Comments: 0	Total Rejects: 1
Comment Issuer(s):	Reject Issuer(s):
	Otto, Michael (Fraunhofer)

*Reject Issuer(s):*

*Otto, Michael (Fraunhofer)*

- Is this topic not covered by ISO 14644 8 in much greater details?.

[MS]: This is a question and should not be grounds for rejection. ISO 14644 8 is written for other industries and does not spell out requirements for Semiconductor industry. Besides, ISO 14644 8 ( a copy of which is not available to SEMI Staff or TF members) is managed by independent organization. Also, 5244B is updated to include what is current with SEMI users.

[TF voted to find the reject related but technically not persuasive.](#)

- 2) 5816B (Revision of SEMI F30)- SNARF for full ballot review passed. Document 5816B with revisions sent to Laura. This will be sent for ballot for next earliest cycle.
- 3) Update on SEMI F70 five year re-approval (Test Method for Particle Contribution of Gas Delivery Systems): In Spring meeting, it was indicated that Japan TF was going to work on it. However, this standard was written by NA TF. SEMI Staff to update on this.
- 4) Send out F29 (Test method for Purge Efficacy of Gas Source System Panels) for five year approval, to be handled by FP TF.

## 2) MFC TF

### Ballot Review

**5963A Line Item Revision To Semi F62-0701 (Reapproved 1111) Test Method For Determining Mass Flow Controller Performance Characteristics From Ambient And Gas Temperature Effects**

Two line items were balloted-

**Line Item 1: Modify terminology in Section 5.1**

<b>2</b>	
<b>As Cast Ballot Tally Summary For Document 5963A</b>	
<b>Return Percentage: 61.02%</b>	<b>TC Voting Interest Returns: 36</b>
	<b>TC Voting Interest Distribution: 59</b>
<b>Total Voting Interests/Votes Received: 49/57</b>	
<b>Number of Accepts: 18</b>	
<b>Accept %: 100.00%</b>	<b>Number of Rejects: 0</b>
<b>Total Comments: 1</b>	<b>Total Rejects: 0</b>
<i>Comment Issuer(s):</i>	<i>Reject Issuer(s):</i>
<i>Chen, Yanli (UCT)</i>	

*Accept Comments*

*Chen, Yanli*

In the Section 15.1.3,

where  $Q_{a1}$  and  $Q_{a2}$  are the actual flow rates measured at gas temperatures  $T_{g1}$  and  $T_{g2}$  respectively. For zero setpoint use the following.

It should be “Where  $Q_{a1}$  and  $Q_{a2}$  are the actual flow rates measured at gas temperature  $T_{g1}$  and  $T_{g2}$  respectively.” The subscript “a” and “g” should not be deleted.

[MS]: This is typo error, and will be corrected.

**Line Item 2: Modify Section 15.1 as shown**

<b>2</b>	
<b>As Cast Ballot Tally Summary For Document 5963A</b>	
<b>Return Percentage: 61.02%</b>	<b>TC Voting Interest Returns: 36</b>
	<b>TC Voting Interest Distribution: 59</b>
Total Voting Interests/Votes Received: 49/57	
<b>Number of Accepts: 18</b>	
<b>Accept %: 100.00%</b>	<b>Number of Rejects: 0</b>
<b>Total Comments: 0</b>	<b>Total Rejects: 0</b>
<i>Comment Issuer(s):</i>	<i>Reject Issuer(s):</i>

The TF voted to accept the comments as related, and technically persuasive but editorial in nature.  
TF will make the change and send out the document to Committee review.

**2. Doc. 5964A, Line Item Revision To Semi E56-0815 Test Method For Determining Accuracy, Linearity, Repeatability, Short-Term Reproducibility, Hysteresis, And Dead Band Of Thermal Mass Flow Controllers**

Numerous comments on modifying the terminology section and Figure 1. This becomes a technical change.

TF found at least one comment related and technically persuasive, and decided to fail the document for re-work. After making the changes, 5964A will be sent out for re-ballot.

FIVE year review documents to be sent out in the next few cycles-

SEM E16, E18, E27, E28, E29, E66

### 3) GASES SPECIFICATON TF

#### Ballot Review

**Doc. 5997, Line Item Revision to SEMI C3-0413, Specifications for Gases**

**Line Item 1 – Correct the title of this Standard from “Specifications for Gases” to “Specification for Gases”**

*Reject*

*Milburn, Matthew (UCT)*

- 3.1 MIL-S-27626D is now MIL-S-27626F
- 4.2.1, 4.2.11, 4.2.13, 4.2.15, 6.3, 6.4, 6.5 all have 'To Be Determined'
- 6.2.2 Replace 'MIL-S-27626D 16 August 1979, Amendment 1, 24 April 1981' with 'MIL-S-27626F 10 January 2013'

TF found related and technically persuasive. Rejected the document.  
Need SNARF updated for full revision ballot.

5998, 5999: Super clean, no reject. Will be sent out for committee review and A&R.

**Doc. 6000, Line Item Revision to SEMI C57-0305 (Reapproved 0211), Specifications and Guidelines for Argon**

**Line Item 1 – Correct the title of this Standard from “Specifications and Guidelines for Argon” to “Specification and Guide for Argon”**

**Doc. 6002, Line Item Revision to SEMI C59-1104 (Reapproved 0211), Specifications and Guidelines for Nitrogen**

**Line Item 1 – Correct the title of this Standard from “Specifications and Guidelines for Nitrogen” to “Specification and Guide for Nitrogen”**

**Doc. 6003, Line Item Revision to SEMI C60-0305 (Reapproved 0211), Specifications and Guidelines for Nitrous Oxide (N2O)**

**Line Item 1 – Correct the title of this Standard from “Specifications and Guidelines for Nitrous Oxide (N2O)” to “Specification and Guide for Nitrous Oxide”**

Reject

Mashiro, Supika (TEL)

Doc. #	Section/ Line Item	Negative/Comment	Reason/ Justification	T/E
6000	General	Negative/  It's unclear in the Standard which part is Specification and which part is written as "Guide"  This does not conform the condition to have more than one subtype in the Title of a Standard, which is given in Table A3-1 #A3-1(5) of the <i>Procedure Manual</i>	To remove the guidance values from the Requirements section to a new section that is to be clearly identified as guide.	T
	Table 1	Negative/  The word "guideline" should have been corrected to "Guide" as a concomitant change.	Concomitant changes are required to be made under the procedures defined in PM Appendix 4	T

Reject found related and technically persuasive.

Docs 6000, 6002 and 6003 failed, will be sent out re-ballot. SNARF needs to be updated for full ballot review.

Docs 6001, 6004: Super clean, no rejects. Will be sent out A&R review.

5 year review Documents:

~~SEMI C3-0413 Specifications for Gases~~

~~SEMI C58-1213 Specifications for Hydrogen~~

SEMI F23-0697 (Reapproved 0712) Particle Specification for Grade 10/0.2 Flammable Specialty Gases

SEMI F24-0697 (Reapproved 0712) Particle Specification for Grade 10/0.2 Inert Specialty Gases

SEMI F25-0697 (Reapproved 0712) Particle Specification for Grade 10/0.2 Oxidant Specialty Gases

SEMI F26-0697 (Reapproved 0712) Particle Specification for Grade 10/0.2 Toxic Specialty Gases

~~SEMI F69-1213 Test Methods for Transport and Shock Testing of Gas Delivery Systems~~

**These 7 documents plus 4 that failed will be sent out for ballot review in the next cycle.**