

Procedural Review Voting Sheet 2014 Cycle 1

REGION: **North America**

COMMITTEE: PV Materials

EVENT: **NA Spring Meetings 2014**

DATE OF MEETING: Wednesday, April 2, 2014

PLACE OF MEETING: SEMI HQ, San Jose, CA

COMMITTEE CO-CHAIRS: Lori Nye (Brewer Science), John Valley (Sun Edison)

SEMI STAFF: Kevin Nguyen

A&R Voter: Name/Company

Date: 200X/MM/DD

I. Document Number & Title

Document 5608	Line Item Revision to SEMI PV13-0813, Test Method for Contactless Excess-Charge-Carrier Recombination Lifetime Measurement in Silicon Wafers, Ingots, and Bricks Using an Eddy-Current Sensor
----------------------	--

II-1 Line item 1

Line Item 1	Add sections A2-3 and A2-3.1 and associated footnotes (26, 27 and 28).
--------------------	---

1. Tally (**Staff to fill in**)

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

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

				(Accepts + Valid Rejects)			
	Accepts						
Approval Rate	=	<input type="text" value="28"/>	/	<input type="text" value="28"/>	=	<input type="text" value="100.0%"/>	≥90%

A&R		Not approved
	Reason:	

2. Rejects

There was no reject received for ballot 5608 of line item 1.

3. Comments

Comment 1

Comment	Referenced Section	*TF/Committee to fill in if necessary	
	From	John Valley (Sun Edison)	
	Comment	Accept with comments The final sentence might be cleaner if edited as follows: The difference in measured lifetime is used to calculate the interstitial Fe concentration in the wafer as described in the technical literature.26, 27, 28.	
	Discussion	See editorial change below	
Action proposed	x	The committee agreed to do one of the following actions.	
		*No motion is required in this step.	
			No further action was taken by the committee.
			Refer to the task force for more consideration.
			New Business
	x		Other
		Editorial Change	
		Case 1: No vote in this section :	
		To be included and voted on in <u>4. Summary of Editorial Changes.</u>	
		Case 2: Voted in this section :	
		Original section number and at least one full sentence are required in "FROM" and "TO" fields.	
		1	FROM: Section xxx
			To: Section xxx
	Justification (If necessary)		
	2	FROM: Section xxx	
To: Section xxx			

		Justification (If necessary)
Motion by/2nd	Name (Company)/Name (Company)	
Vote	XX-XX Motion passed (or failed)	
A&R		Not approved
	Reason:	

4. Summary of Editorial Changes

Note: Original section number and at least one full sentence are required in “FROM” and “TO” fields.

1	FROM:	
	A2-3.1 Interstitial Fe in B-doped silicon is measured using reported lifetime as described in this standard. To determine the interstitial Fe concentration, the effective lifetime of the wafer specimen is measured both before and after light soaking. The difference in measured lifetime is used to calculate the interstitial Fe concentration in the wafer as described in the technical literature, for example references ^{26, 27, 28} .	
	TO:	
	A2-3.1 Interstitial Fe in B-doped silicon is measured using reported lifetime as described in this standard. To determine the interstitial Fe concentration, the effective lifetime of the wafer specimen is measured both before and after light soaking. The difference in measured lifetime is used to calculate the interstitial Fe concentration in the wafer as described in the technical literature, for example references ^{26, 27, 28} .	
	Justification: (If necessary) Poor grammar. Editorial change.	
Motion	To approve the above editorial changes	
Motion by / 2nd by	Hugh Gotts (Air Liquide)/Ron Sinton (Sinton Instruments)	
Discussion	None	
Vote	2-0 Motion passed	
A&R		Not approved
	Reason:	

5. Approval Conditions Check

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

APPROVAL CONDITION 2: At least 90% of the sum of the valid accept and reject votes must be accept. (Regulations ¶ 9.6.3)

Note: if both approval conditions are not satisfied, the balloted item fails.

				(Accepts + Valid Rejects)			
		Accepts					
Approval Rate	=	28	/	28	=	100.0%	≥90%

6. Preliminary action for this line item

Motion	<input type="checkbox"/>	This line item passed committee review as balloted.
	<input checked="" type="checkbox"/>	This line item passed committee review with editorial changes
	<input type="checkbox"/>	This line item failed committee review and will be returned to the task force for rework.
	<input type="checkbox"/>	This line item failed committee review and work will be discontinued.
Motion by/ 2nd by		Hugh Gotts (Air Liquide)/Ron Sinton (Sinton Instruments)
Discussion		Virtual meeting would be useful for the people participating on the phone to vote.
Vote		2-0
Final Action	<input checked="" type="checkbox"/>	Motion passed
	<input type="checkbox"/>	Motion failed
A&R	<input type="checkbox"/>	Approved
	<input type="checkbox"/>	Not approved
	Reason:	

III. Safety Check

This section applies to the entire document.

See Section 14 of the Regulations for further information

Motion:	<input checked="" type="checkbox"/>	This is not a Safety Document: when all safety-related information is removed, the document is still technically sound and complete.
	<input type="checkbox"/>	This is a Safety Document: when all safety-related information is removed, the document is not technically sound and complete.
	<input type="checkbox"/>	Safety Checklist is complete and has been included with the document throughout the balloting process. (Regulations ¶ 14.3)
Motion by/ 2nd by		Hugh Gotts (Air Liquide)/Ron Sinton (Sinton Instruments)
Discussion		None
Vote		2-0 Motion passed
A&R	<input type="checkbox"/>	Not approved
	Reason:	

IV. Intellectual Property Check

Note: This ballot may be all or part of a Standard or Safety Guideline. This IP check applies to the entire Standard or Safety Guideline. See § 15 of the Regulations for further information

x	The meeting chair asked those present in person or by electronic link, if they were aware of any potentially material patented technology or copyrighted items* in the Standard or Guideline.		
	x	No potentially material patented technology or copyrighted items are known	
		Potentially material patented technology or copyrighted items are known but a Letter of Assurance (LOA) or copyright release for such material has been obtained or presented to the committee.	
		Potentially material patented technology or copyrighted items are known but an LOA or copyright release for some of the material(s) has NOT been obtained or presented to the committee	
	MOTION		Ask ISC for special permission to publish
			Quit activity
			Wait for LOA for patented technology or release of copyrighted items.
	Motion by/2 nd by		Name (Company)/Name (Company)
	Discussion		XXXX
	Vote		XX-XX
	Final Action		Motion Passed
Motion Failed			
A&R		Not approved	
		Reason:	

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

V. Action for this document

Motion (Check all applicable items)		Line item(s) [X], [X] and [X] passed committee review as balloted and will be forwarded to the A&R for procedural review.
	x	Line item(s) [1] passed committee review with editorial changes and will be forwarded to the A&R for procedural review.
		Line item(s) [X], [X] and [X] failed committee review and will be returned to the task force for rework.
		Line item(s) [X], [X] and [X] failed committee review and work will be discontinued.
Motion by/ 2nd by		Hugh Gotts (Air Liquide)/Ron Sinton (Sinton Instruments)
Discussion		None
Vote		2-0
Final Action		x Motion passed

			Motion failed
A&R		Approved	
		Not approved	
	Reason:		