# 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

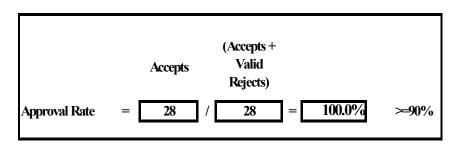
#### II-1 Line item 1

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  $\P$  9.6.1)



A&R	Not approved
	Reason:

# 2. Rejects

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

### 3. Comments

# Comment 1

	Referenced Section			*TF/Committee to fill in if necessary
	From			John Valley (Sun Edison)
Comment	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.
	l		ussion	See editorial change below
	х	Th	e commit	tee agreed to do one of the following actions.
	^	*No	motion	is required in this step.
			No furth	er action was taken by the committee.
				the task force for more consideration.
			New Bu	siness
		Х	Other	
Ac	Editorial Change			
i tio			Case 1:	No vote in this section :
Action proposed			To be in	cluded and voted on in <u>4. Summary of Editorial Changes</u> .
pos			Case 2:	Voted in this section :
ed			Original "TO" fie	section number and at least one full sentence are required in "FROM" and elds.
			FROM:	Section xxx
		1	To: Sec	ction xxx
			Justific	ation (If necessary)
		2	FROM:	Section xxx
		2	To: Sec	ction xxx

	Justification (If necessary)					
Motion b	Motion by/2nd		Name (Company)/Name (Company)			
Vote			XX-XX Motion passed (or failed)			
A&R		No	ot approved			
Adit	Reason:		on:			

#### 4. Summary of Editorial Changes

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

#### 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 <sup>26, 27, 28</sup> TO: 1 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. To approve the above editorial changes Motion Motion by Hugh Gotts (Air Liquide)/Ron Sinton (Sinton Instruments) / 2nd by Discussion None 2-0 Motion passed Vote

#### 5. Approval Conditions Check

Reason:

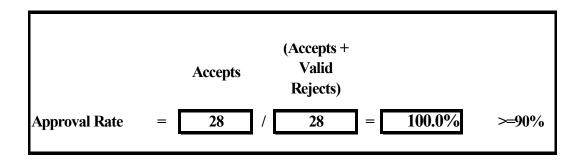
A&R

Not approved

**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.



6. Preliminary action for this line item

		This line item passed committee review as balloted.						
Motion	X	Thi	This line item passed committee review with editorial changes					
M		Thi	is line item failed committee review and will be returned to the task force for rework.					
		Thi	s line	e item	failed committee review and work will be discontinued.			
Motion by/ 2nd by Hugh Gotts (Air Liquide)/Ron Sinton (Sinton Instruments)					ngh Gotts (Air Liquide)/Ron Sinton (Sinton Instruments)			
<b>Discussion</b> Virtual meeting would be useful for the people participating on the phone to vote.				rtual meeting would be useful for the people participating on the phone to vote.				
	Vote		2-	2-0				
١,	Final Action		X	Motion passed				
J				Motion failed				
				App	roved			
	A&I	R		Not	approved			
		Reas		ason:				

# **III. Safety Check**

This section applies to the entire document.
See Section 14 of the Regulations for further information

Motion:	X	This is not a Safety Document: when all safety-related information is removed, the document is still technically sound and complete.					
			This is a Safety Document: when all safety-related information is removed, the document is not technically sound and complete.				
W			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			ote	2-0 Motion passed			
1	A Q.1	D		proved			
	A&R		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

х		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.						
	х		otentially m nown	GO TO SECTION IX				
		know	ntially mate n but a Let material ha	GO TO SECTION IX				
		сору			rented technology or copyrighted items are known of the material(s) has NOT been obtained			
	M		Ask ISC f	Ask ISC for special permission to publish				
	MOTION		Quit activity					
	N		Wait for L	t for LOA for patented technology or release of copyrighted items.				
	Мо	tion by	y/2 <sup>nd</sup> by	Name (Company)/Name (Company)				
		Discus	sion	XXXX				
		Vot	:e	XX-XX				
		inal A	ction		Motion Passed			
	Final Action			Motion Failed				
<b>A</b>	Not appro			ved				
A								

<sup>\*</sup> 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

= 9			item(s) [X], [X] and [X] passed committee review as balloted and will be forwarded to the for procedural review.		
Motion (Check a applicabl items)	x		item(s) [1] passed committee review with editorial changes and will be forwarded to the A&R ocedural review.		
Mc (Che appl			ne item(s) [X], [X] and [X] failed committee review and will be returned to the task force for work.		
		Line	tem(s) [X], [X] and [X] failed committee review and work will be discontinued.		
Motion by	n by/ 2nd by		Hugh Gotts (Air Liquide)/Ron Sinton (Sinton Instruments)		
Discussion		1	None		
Vo	te		2-0		
Final Action		n	x Motion passed		

	Motion failed						
		Approved					
A&R		Not approved					
	Re	ason:					