

## Japan PV Automation Committee Meeting Summary and Minutes

Japan Standards Summer Meetings 2013  
July 23, 2013, 15:00-18:00  
Conference Room1 JPR Bldg. SEMI Japan Office, Tokyo, Japan

### Next Committee Meeting

October 24, 2013, 15:00-17:30 Japan Standard Time  
Japan Standards Fall Meetings 2013, Tokyo, Japan

### Committee Announcements

None

### Table 1 Meeting Attendees

**Co-Chairs:** Makoto Ishikawa (Nisshinbo Mechatronics), Terry Asakawa (Tokyo Electron), Emi Ishikawa (Atelier Ishikawa)

**SEMI Staff:** Hirofumi Kanno

<i>Company</i>	<i>Last</i>	<i>First</i>	<i>Company</i>	<i>Last</i>	<i>First</i>
Nisshinbo Mechatronics	Ishikawa	Makoto	Tokyo Electron	Murakami	Takashi
Tokyo Electron	Asakawa	Terry	Tokyo Electron	Murata	Naoko
Mitsubishi Electronic	Ishihara	Takashi			

### Table 2 Leadership Changes

None

### Table 3 Ballot Results (or move to Section 4, Ballot Review)

None

### Table 4 Authorized Ballots (or move to Section 7, New Business)

#	When	SC/TF/WG	Details
5223A	Cycle 6-2013	Global EIS Task Force	Revision to add a new Subordinate Standard: Media Interface Specifications for a Horizontal Communication between Equipment to SEMI PV35, Specification for Horizontal Communication Between Equipment for Photovoltaic Fabrication System
5631			Line Item Revision to SEMI PV35-1012, Specification for Horizontal Communication Between Equipment for Photovoltaic Fabrication System

### Table 5 Authorized Activities (or move to Section 7, New Business)

#	Type	SC/TF/WG	Details
5631	SNARF	Global EIS Task Force	Approved SNARF for Line Item Revision to SEMI PV35-1012, Specification for Horizontal Communication Between Equipment for Photovoltaic Fabrication System
5523			Approved modified SNARF for Revision to add a new Subordinate Standard: Media Interface Specifications for a Horizontal Communication between Equipment to SEMI PV35, Specification for Horizontal Communication Between Equipment for Photovoltaic Fabrication System

Note: SNARFs and TFOFs are available for review on the SEMI Web site at:

<http://downloads.semi.org/web/wstdsbal.nsf/TFOFSNARF>

### Table 6 New Action Items (or move to Section 8, Action Item Review)

None

**Table 7 Previous Meeting Actions Items (or move to Section 8, Action item Review)**

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None

## 1 Welcome, Reminders, and Introductions

Makoto Ishikawa (Nisshinbo Mechatronics) called the meeting to order at 15:00. The meeting reminders on antitrust issues, intellectual property issues and holding meetings with international attendance were reviewed. Attendees introduced themselves.

## 2 Review of Previous Meeting Minutes

The committee reviewed the minutes of the previous meeting.

**Motion:** Approve the minutes of the previous meeting  
**By / 2<sup>nd</sup>:** Terry Asakawa (Tokyo Electron) / Takashi Murakami (Tokyo Electron)  
**Discussion:** None  
**Vote:** 4:0

## 3 Liaison Reports

### 3.1 Europe PV Automation Committee

Hirofumi Kanno (SEMI) reported for the Europe PV Automation Committee. Of note:

- Committee Leadership:
  - Co-chair: Eberhard Teichmann (Peer Group)
- Meeting Information:
  - Last meeting: March 10-12, 2013, PV Fab Managers Forum, Berlin, Germany
  - Next meeting: October 8-10, 2013, SEMICON Europa, Dresden, Germany
    - ◇ Check [www.semi.org/standards](http://www.semi.org/standards) for latest update
- New SNARF: Doc. 5566, Line Item Revision to SEMI PV002-00-0709E Guide for PV Equipment Communication Interfaces (PVECI), modify requirement [PV02-RQ-00007-00] to allow implementation of new namelist requests instead of required documentation.

**Attachment:** 01, EU Liaison Report

### 3.2 China PV Committee

Hirofumi Kanno (SEMI) reported for the China PV Committee. Of note:

- Committee Leadership:
  - Co-chair: Guangchun Zhang (Canadiansolar)
  - Co-chair: Jun Liu (China Electronics Standardization Institute)
- Meeting Information:
  - Last meeting: June 28, 2013, China Summer Standards Meeting 2013, Yangzhou, China
  - Next meeting: August 12, 2013, China Autumn Standards Meeting 2013, Hohhot, China
  - Ballot for Cycle 5–2013:

- Doc. 5428, New Standard: Specification for Impurities in Polyethylene Packaging Materials for Polysilicon Feedstock
- Doc. 5564, New Standard: Test Method for the Measurement of Chlorine in Silicon by Ion Chromatography
- Doc. 5382, New Standard: Specification for Quasi-monocrystalline Silicon Wafers used in Photovoltaic Solar Cells
- New TFOF: PV Power Station Equipment Integrated Performance Task Force

**Attachment:** 02, CN Liaison Report

### 3.3 SEMI Staff Report

Hirofumi Kanno (SEMI) gave the SEMI Staff Report. Of note:

- Global SEMI Events
- Global Standards Meetings Schedule
- Ballot Critical Dates
- Publication Update
- ISC A&R SC Summary May and June 2013
- Preparation for SEMICON Japan 2013
- Contact Information

Committee Discussion: The attendees agreed not to hold the meeting of the Japan PV Automation Committee in conjunction with SEMICON Japan 2013.

**Attachment:** 03, SEMI Staff Report 2013 July R0.2a

## 4 Subcommittee & Task Force Reports

### 4.1 PV Equipment I/F Specification Task Force

Takashi Murakami (Tokyo Electron) reported for the PV Equipment I/F Specification Task Force. This report contained information on Doc. 5223A development and line item revisions to SEMI PV35-1012.

**Motion:** Approved SNARF (Doc.5631) for *Line Item Revision to SEMI PV35-1012, Specification for Horizontal Communication Between Equipment for Photovoltaic Fabrication System*

**By / 2<sup>nd</sup>:** Takashi Murakami (Toyo Electron) / Naoko Murata (Tokyo Electron)

**Discussion:** None

**Vote:** 4:0

**Motion:** Approve the ballot issuance of Doc.5631, *Line Item Revision to SEMI PV35-1012, Specification for Horizontal Communication Between Equipment for Photovoltaic Fabrication System* in Cycle 6-2013

**By / 2<sup>nd</sup>:** Takashi Murakami (Toyo Electron) / Naoko Murata (Tokyo Electron)

**Discussion:** After some editorial changes are added the ballot document that Takashi Murakami reported today, document will be submitted to SEMI Staff.

**Vote:** 4:0

**Motion:** Approve modified SNARF (Doc.5223) for *Revision to add a new Subordinate Standard: Media Interface*

*Specifications for a Horizontal Communication between Equipment to SEMI PV35, Specification for Horizontal Communication Between Equipment for Photovoltaic Fabrication System*

**By / 2<sup>nd</sup>:** Takashi Murakami (Toyo Electron) / Terry Asakawa (Tokyo Electron)

**Discussion:** None

**Vote:** 4:0

**Motion:** Approve the ballot issuance of Doc.5223A, *Revision to add a new Subordinate Standard: Media Interface Specifications for a Horizontal Communication between Equipment to SEMI PV35, Specification for Horizontal Communication Between Equipment for Photovoltaic Fabrication System* in Cycle 6-2013

**By / 2<sup>nd</sup>:** Takashi Murakami (Toyo Electron) / Terry Asakawa (Tokyo Electron)

**Discussion:** None

**Vote:** 4:0

**Attachment:** 04, JA\_PV\_EIS\_TF\_StatusReport20130723r1.0

## 5 Old Business

### 5.1 Disbandment of the PV Transport Carrier Task Force

Hirofumi Kanno (SEMI) addressed the committee on this topic.

## 6 New Business

None

## 7 Action Item Review

### 7.1 Open Action Items

None

### 7.2 New Action Items

None

## 8 Next Meeting and Adjournment

The next meeting of the Japan PV Automation committee is scheduled for October 24, 2013 at Japan Standards Fall Meetings 2013 in SEMI Japan office, Tokyo, Japan.

Respectfully submitted by:  
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SEMI Japan  
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Minutes approved by:

Emi Ishikawa (Atelier Ishikawa), Co-chair	
Terry Asakawa (Tokyo Electron), Co-chair	
Makoto Ishikawa (Nisshinbo Mechatronics)	

**Table 8 Index of Available Attachments #1**

#	<i>Title</i>	#	<i>Title</i>
01	EU Liaison Report		
02	CN Liaison Report		
03	SEMI Staff Report 2013 July R0.2a		
04	JA_PV_EIS_TF_StatusReport20130723r1.0		

#1 Due to file size and delivery issues, attachments must be downloaded separately. A .zip file containing all attachments for these minutes is available at [www.semi.org](http://www.semi.org). For additional information or to obtain individual attachments, please contact [SEMI Staff Name] at the contact information above.