

## Japan PV Automation Committee Meeting Summary and Minutes

PVJapan 2012  
6<sup>th</sup> December 2012, 10:00-12:00  
Makuhari Messe, Chiba, Japan

### Next Committee Meeting

12<sup>th</sup> April, 2013, 15:00-18:00 Japan Standard Time  
Japan Standards Spring Meetings 2013, Tokyo, Japan

### Committee Announcements (optional)

None

### Table 1 Meeting Attendees

**Co-Chairs:** Terry Asakawa (TEL), Makoto Ishikawa (Nisshinbo Mechatronics), 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	Atelier Ishikawa	Ishikawa	Emi
TEL	Asakawa	Terry	TEL	Murakami	Takashi
TEL	Murata	Naoko			

### Table 2 Leadership Changes

<i>Group</i>	<i>Previous Leader</i>	<i>New Leader</i>
GCS Voters of Japan PV Automation Committee	Terry Asakawa (TEL)	Terry Asakawa (TEL) remains as a GCS Voter
	Emi Ishikawa (Atelier Ishikawa)	Makoto Ishikawa (Nisshinbo Mechatronics)

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

**Passed** ballots and line items will be submitted to the ISC Audit & Review Subcommittee for procedural review.

**Failed** ballots and line items were returned to the originating task forces for re-work and re-balloting.

<i>Document #</i>	<i>Document Title</i>	<i>Committee Action</i>
None		

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

<i>#</i>	<i>When</i>	<i>SC/TF/WG</i>	<i>Details</i>
5223	Cycle 2-2013	PC Equipment I/F Specification Task Force	New Subordinate Standard: Media Interface Specifications for a Horizontal Communication between Equipment for Larger Sized Substrate Oriented Photovoltaic Fabrication System to Doc.4804 "Specification for a Horizontal Communication between Equipment for Photovoltaic Fabrication System"

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

<i>#</i>	<i>Type</i>	<i>SC/TF/WG</i>	<i>Details</i>
None			

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)**

<i>Item #</i>	<i>Assigned to</i>	<i>Details</i>
None		

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

<i>Item #</i>	<i>Assigned to</i>	<i>Details</i>
None		

## 1 Welcome, Reminders, and Introductions

Makoto Ishikawa (Nisshinbo Mechatronics) called the meeting to order at 10:00. The meeting reminders on antitrust issues, intellectual property issues and holding meetings with international attendance were reviewed. Attendees introduced themselves.

**Attachment:** 01, 2\_Required Elements Reg\_20100302\_E+J

## 2 Review of Previous Meeting Minutes

The committee reviewed the minutes of the previous meeting.

**Motion:** To approve the minutes of the previous meeting as written.

**By / 2<sup>nd</sup>:** Terry Asakaw (TEL) / Naoko Murata (TEL)

**Discussion:** None

**Vote:** 4:0

**Attachment:** 02, TC Mins\_071920012\_r1

## 3 Technical Committee Award

The Japan PV Automation Committee gave the Technical Committee Awards to Takashi Murakami (TEL) and Makoto Ishikawa (Nisshinbo Mechatronics).

## 4 Liaison Reports

### 4.1 Europe PV Automation Committee

Hirofumi Kanno (SEMI) reported for the Europe PV Automation Committee as following topics.

- Leadership
  - Martin Zenning (Jonas&Redmann Automationstechnik GmbH) stepped down as a co-chair.
- Organization Chart
- Major Activities
  - Doc 5388 (Revision to SEMI PV34-0712 with Title Change To: Practice for Assigning Identification Numbers to PV Si Brick, Wafer and Solar Cell Manufacturers) and Doc 5418 (Revision of SEMI PV29-0212, Specification for Front Surface Marking of PV Silicon Wafers with Two-Dimensional Matrix Symbols) ballots approved as balloted at SCEU12, pending successful A&R procedural review
  - 1 SNARF approved at SCEU12:
    - ◇ Revise the scope of doc #5418 by adding a second method to PV29 in the SNARF

- 1 authorized ballot for cycle 1

- Meeting Information

**Attachment:** 03, ERSC Liaison Report Nov 2012

#### 4.2 China PC Committee

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

- Leadership (Current Co-chairs): No change
- Organization Chart: No change
- Meeting Information
  - Last meeting:
    - ◇ China Winter Standards Meeting 2012, Wuxi, Jiangsu, China
    - ◇ Saturday, November 3, 2012
  - Next meeting
    - ◇ China Spring Standards Meeting 2013, Shanghai, China
    - ◇ Monday, March 18, 2013 combined with SOLARCON 2013
- Ballots for Cycle1, 2013
  - Doc. 5384, New Standards: Specification for Package protection technology for PV Modules
  - Doc. 5385, New Standards: Test Method for the content of Vinyl Acetate (VA) in Ethylene-Vinyl Acetate (EVA) applied in PV modules—Thermal Gravimetric Analysis (TGA)
  - Doc. 5428, New Standard: Specification for Impurities in Polyethylene Packaging Materials for Polysilicon Feedstock
  - Doc. 5382, New Standard: Specification for Quasi-monocrystalline Silicon Wafers used in Photovoltaic Solar Cells
- TFs Activities
  - For details, see the attachments.

**Attachment:** 04, China Photovoltaic Committee Liaison Report20121126

#### 4.3 SEMI Staff Report

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

- SEMI global 2012-2013 Calendar of Events
- 2013 Critical Dates for SEMI Standards Ballots
- Regulation SC & A&R SC Reports
- SEMI Standards Publication Reports
- New Standards Ballot and Membership Systems
- New Ballot Formatting Templates
- Style Manual and Compilation of Terms
- Contact Information

**Attachment:** 05, SEMI Staff Report 2012 December R0.2

## 5 Subcommittee & Task Force Reports

### 5.1 PV Transport Carrier Task Force

No update.

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

Takashi Murakami (TEL) reported for the PV Equipment I/F Specification Task Force. This report contained information on the following topics;

- Task Force Operation
- Current Task Force Activities
- Purpose and scope of #5223
- Ballot Schedule

**Motion:** To approve distribution of ballot #5223 for Cycle 2, 2013

**By / 2<sup>nd</sup>:** Takashi Murakami (TEL) / Naoko Murata (TEL)

**Discussion:** None

**Vote:** 4:0

**Attachment:** 06, JA\_PV\_EIS\_TF\_StatusReport20121206r1.0

## 6 Old Business

### 6.1 GCS Voter Change

Terry Asakawa(TEL) proposed the GCS voter change. The change was decided among the JA PV Automation committee Co-chairs. Makoto Ishikawa (Nisshinbo Mechatronics) was newly appointed as a GCS voter instead of Emi Ishikawa (Atelier Ishikawa). Terry Asakawa remained as a GCS voter.

### 6.2 PV Standards Introductory Session

Hirofumi Kanno reported the PV Standards Introductory Session was held in 5<sup>th</sup> December 11:00-13:00 at Main Stage, Exhibition Hall 9, Makuhari Messe. The agenda for the session was below. It drew more than 60 participants.

- Opening Remarks / Masaaki Yamamichi (AIST)
- Overall Concepts of PV SEMI Standards / Naoko Murata (TEL)
- PV Standards on Materials / Takashi Ishihara (Mitsubishi Electric)
- PV Standards on Equipment Automation / Takashi Murakami (TEL)
- PV Standards on Test Methods and Measurements / Tetsuo Fukuda (AIST)
- Wrap up & Closing Remarks / Masaaki Yamamichi (AIST)

## 7 New Business

### 7.1 SEMI Standards Value

Terry Asakawa addressed the committee on this topic and the attendees had discussions about SEMI Standards Value as a Standards Development Organization.

## **8 Action Item Review**

### *8.1 Open Action Items*

None

### *8.2 New Action Items*

None

## **9 Next Meeting and Adjournment**

The next meeting of the Japan PV Automation committee is scheduled for 12<sup>th</sup> April, 2013 at Japan Standards Spring Meetings 2013 at SEMI Japan Office, Tokyo in Japan.

Respectfully submitted by:  
 Hirofumi Kanno  
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 SEMI Japan  
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Minutes approved by:

Makoto Ishikawa (Nisshinbo Mechatronics), Co-chair	<Date approved>
Terry Asakawa (TEL), Co-chair	<Date approved>
Emi Ishikawa (Atelier Ishikawa), Co-chiar	<Date approved>

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

#	<i>Title</i>	#	<i>Title</i>
01	2_Required Elements Reg_20100302_E+J	04	China Photovoltaic Committee Liaison Report20121126
02	TC Mins_071920012_r1	05	SEMI Staff Report 2012 December R0.2
03	ERSC Liaison Report Nov 2012	06	JA_PV_EIS_TF_StatusReport20121206r1.0

#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.