

Japan PV Automation Committee Meeting Summary and Minutes

SEMI Standards Japan Spring Meetings 2013
April 12, 2013, 15:00 – 18:00
Conference Room1 JPR Bldg. 7F SEMI Japan Office, Tokyo, Japan

Next Committee Meeting

July 23, 2013, 15:00 – 18:00 Japan Standard Time
SEMI Standards Japan Summer Meetings 2013, Tokyo, Japan

Table 1 Meeting Attendees

Co-Chairs: Makoto Ishikawa (Nisshinbo Mechatronics), Terry Asakawa (TEL), 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>
Tokyo Electron	Murakami	Takashi	Tokyo Electron	Murata	Naoko
Tokyo Electron	Asakawa	Terry	Dai Nippon Screen	Cho	Ryuji
AIST	Yamamichi	Masaaki	Nisshinbo Mechatronics	Ishikawa	Makoto
Atelier Ishikawa	Ishikawa	Emi			

Table 2 Leadership Changes

<i>Group</i>	<i>Previous Leader</i>	<i>New Leader</i>
PV Transport Carrier Task Force	Koji Ohyama (Dainichi Shoji)	None
	Shuichi Inoue (Miraial)	None

PV Transport Carrier Task Force was disbanded.

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>
5223	New Subordinate Standard: “Media Interface Specifications for a Horizontal Communication between Equipment for Larger Sized Substrate Oriented Photovoltaic Fabrication System” to Be Used to Implement SEMI PV35	Failed and returned to the Task Force for re-work.

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

None

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

<i>#</i>	<i>Type</i>	<i>SC/TF/WG</i>	<i>Details</i>
5223	SNARF	PV Equipment I/F Specification TF	Approved the revised SNARF for <i>New Subordinate Standard: “Media Interface Specifications for a Horizontal Communication between Equipment” to be Used to Implement SEMI PV35</i>

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)

None

1 Welcome, Reminders, and Introductions

Makoto Ishikawa (Nissinbo 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.

Attachment: 01, SEMI Required Elements

2 Review of Previous Meeting Minutes

The committee reviewed the minutes of the previous meeting.

Motion: Approve the minutes of the previous meeting

By / 2nd: Terry Asakawa (Tokyo Electron) / Naoko Murata (Tokyo Electron)

Discussion: Non

Vote: 5:0

Attachment: 02, JA PV AutoC Minutes_120612_r2

3 Liaison Reports

3.1 Europe PV Automation Committee

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

- Committee Leadership
- Organization Chart
- Meeting Information
- New SNARF
- Task Force Report
- Staff Information

Attachment: 03, EU PV Equipment Liaison Report 20130313

3.2 China PV Committee

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

- Committee Leadership
- Organization Chart
- Meeting Information
- Ballot Results Summary
- New SNARF
- Task Force Report
- Staff Information

Attachment: 04, China Photovoltaic Committee Liaison Report 20130329

3.3 SEMI Staff Report

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

- Global SEMI Events
- Standards Meetings during SEMICON West
- Ballot Critical Dates
- Publication Update
- ISC A&R SC Summary February 2013
- Recent Regulations & Procedure Guide Revisions
- Contact Information

Attachment: 05, SEMI Staff Report 2013 April R1.0

4 Ballot Review

4.1 Document # 5223, New Subordinate Standard: “Media Interface Specifications for a Horizontal Communication between Equipment for Larger Sized Substrate Oriented Photovoltaic Fabrication System” to Be Used to Implement SEMI PV35

Tallies

	Return		Distribution		Return Rate	
Yellow	57	÷	89	=	64.0%	>=60%
Lilac & Others	37					
<hr/>						
Total Vote	94					
Reject	1					
Accept	24					

NOTICE: This document met the 90% approval condition set forth in Section 9.6.3 of the *Regulations Governing SEMI Standards Committees* at the close of balloting.

NOTICE: This document did NOT meet the 90% approval condition set forth in Section 9.6.3 of the *Regulations Governing SEMI Standards Committees* at the close of balloting.

Rejects/Negatives

It is complicated using two different media as connecting the different fieldbuses. As the standard, it is desirable to connect only TCP/IP. Or, because the many fieldbuses of the Ethernet base exist recently, it is better to make the interconnecting Ethernet based bus.

NOTICE: Items from “Reject” votes that are clearly marked by the voter as comments are included here.

Attachment: 06, 5223_Procedural Review Voting Sheet

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 (Tokyo Electron) reported the Task Force activity.

Motion: Approve the revised SNARF(Doc.5223)

By / 2nd: Takashi Murakami (Tokyo Electron), Naoko Murata (Tokyo Electron)

Discussion: None

Vote: 5:0

Attachment: 07, JA_PV_EIS_TF_StatusReport20130412r2.0

Attachment: 08, SNARF_Subordinate_of_HC(Media)20130412r2.0

6 Old Business

6.1 GCS Voter Change

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

6.2 PV Standards Introductory Session

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

7 New Business

7.1 Disbandment of the PV Transport Carrier Task Force

Terry Asakawa (Tokyo Electron) addressed the committee on this topic.

Motion: Approve the disbandment of the PV Transport Carrier Task Force

By / 2nd: Terry Asakawa (Tokyo Electron) / Takashi Murakami (Tokyo Electron)

Discussion: None

Vote: 5:0

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 July 23, 2013 at SEMI Standards Summer Meetings 2013 in SEMI Japan office, Tokyo, Japan.

Respectfully submitted by:
Hirofumi Kanno
Standards, Manager
SEMI Japan
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Email: hkanno@semi.org

Minutes approved by:

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

Table 8 Index of Available Attachments #1

#	Title	#	Title
01	SEMI Required Elements	07	JA_PV_EIS_TF_StatusReport20130412r2.0
02	JA PVAuto C Minutes_120612_r2	08	SNARF_Subordinate_of_HC(Media)20130412r2.0
03	EU PV Equipment Liaison Report 20130313	09	
04	China Photovoltaic Committee Liaison Report20130329	10	
05	SEMI Staff Report 2013 April R1.0		
06	06_5223_Procedural Review Voting Sheet		

#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. For additional information or to obtain individual attachments, please contact [SEMI Staff Name] at the contact information above.