

China HB-LED Committee
Meeting Summary and Minutes
 China Standards Kick-off Meetings 2014
 May 22nd, 2014, Thursday, 09:30 -16:00
 Room #402, Area B, Guiyang Conference Center
 #300 North Jinyang Road, Guiyang, Guizhou China

Next Committee Meeting
 September 19th, 2014, Friday

Table 1 Meeting Attendees

Co-Chairs: Yong Ji (GHTOT), Weizhi Cai (SANAN)

SEMI Staff: Allen Lu – SEMI China, Kris Shen – SEMI China, Daniel Qi – SEMI China

<i>Company</i>	<i>Last</i>	<i>First</i>	<i>Company</i>	<i>Last</i>	<i>First</i>
AepiTek	Huang	Hongjia	GHTOT	Xiong	Ling
AMEC	Liu	Yingbin	GHTOT	Tang	Jie
AURORA	Yang	Xinhong	Guiyang HTIDZ	Xu	Hao
Beslord	Wang	Jingbo	Guiyang HTIDZ	Liu	Dong
Beslord	Wen	Dianqing	Guiyang HTIDZ	Wang	Wei
Beslord	Chen	Dianxiang	Harbin HTIDZ	Li	Shi
Crystaland	Wu	Longqiang	HIT	Gan	Yang
DDXDF	Duan	Dan	HYPERION	Li	Mingyuan
ECEC	Liu	Jianzhe	Istar Wafer	Zhu	Yong
Edwards	Shao	Wei	Meyer Burger	Eggmann	Christoph
Feilihua	Mou	Yongfu	Meyer Burger	Lu	Tingting
GCL	Liu	Yifeng	Monocrystal	Wang	Zhan
GHTOT	Qi	Liu Yun	NJC	Zhen	Songsen
GHTOT	Ren	Jing	SEMI China	Lu	Allen
GHTOT	Wang	Zhonghui	SEMI China	Shen	Hong
GHTOT	Jia	Shulin	SEMI China	Qi	Faxing
GHTOT	Wang	Yuting	SMEE	Li	Zhidan
GHTOT	Luo	Songbao	THTF	Wu	Donghai
GHTOT	Chen	Kunyou			

Table 2 Leadership Changes

<i>Group</i>	<i>Previous Leader</i>	<i>New Leader</i>
Single Crystal Sapphire Task Force (New TF)		Yong Ji (GHTOT) Xinhong Yang (AURORA)

Table 3 Ballot Results

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

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

Table 5 Authorized Activities

<i>#</i>	<i>Type</i>	<i>SC/TF/WG</i>	<i>Details</i>

Table 5 Authorized Activities

#	Type	SC/TF/WG	Details
	TFOF	Single Crystal Sapphire Task Force	The Charter of this TF is Draft the standard on specifications for single crystal sapphire intended for use for manufacturing HB-LED wafers.
5723	SNARF	Single Crystal Sapphire Task Force	New Standard: Specification for Single Crystal Sapphire Intended for Use for Manufacturing HB- LED Wafers

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

Item #	Assigned to	Details
ChinaHB-LED-0522-01	Single Crystal Sapphire Task Force Leaders	Recruiting more task force members to develop the document # 5723

Table 7 Previous Meeting Action Items

Item #	Assigned to	Details	Status
None			

1 Welcome, Reminders, and Introductions

Committee co-chair Yong Ji chair the meeting and welcome all attendees, all the attendees introduced themselves. The president of SEMI China, Allen Lu, gave a presentation to introduce the business of SEMI China. Kris Shen called the meeting to order at 9:25 AM. The meeting reminders on antitrust issues, intellectual property issues and effective meeting guidelines were reviewed. Agenda was reviewed.

2 SEMI Standards Rules Training

Kris Shen (SEMI) gave an introduction of SEMI standards rules for the China HB-LED standards members:

- SEMI Standards History
- Procedure & Structure
- Roles and Responsibilities of TF & TC
- Motion & Second
- SNARF, TFOF & Doc
- SEMI HB-LED Standards Overview
- Resources & Registration

[Attachment-1, SEMI Standards Brief Introduction.pdf](#)

3 Staff Report

Kris Shen (SEMI) gave the staff report. Highlights

- Overview the SEMI Global 2014 Calendar of Events
- Remind to give the vote for Cycle 3
- Recently Published 4 HB-LED Standards
 - SEMI HB1-0113, Specifications for Sapphire Wafers Intended for Use for Manufacturing High Brightness-Light Emitting Diode Devices
 - SEMI HB2-0613, Specification for 150 mm Open Plastic and Metal Wafer Cassettes Intended for Use for Manufacturing HB-LED Devices
 - SEMI HB3-1113 Mechanical Interface Specification for 150 mm HB-LED Load Port
 - SEMI HB4-0913 Specification of Communication Interfaces for High Brightness LED Manufacturing Equipment (HB-LED ECI)

[Attachment-2, SEMI Staff Report 20140522.pptx](#)

4 Liaison Reports

4.1 North America PV Materials Committee

Kris Shen (SEMI) reported. Highlights:

- The co-chairs of North America HB-LED TC are Iain Black (Philips Lumileds), Chris Moore (BayTech-Resor), Bill Quinn (WEQ Consulting), Mike Feng (Silian)
- TaiwanLED Safety TF under Taiwan EHS Committee
- Korea HB-LED Working Group
- Next meeting - NA Standards Meetings at SEMICON West 2014, July 9-10, 2014, San Francisco Marriott Marquis Hotel

[Attachment-3, NA HB-LED report May 2014 MT.pdf](#)

5 Ballot Review

None

6 Task Force Reports

None

7 New Business

7.1 New SNARFs & TFOFs

- SNARF- New Standard: Specification for LED Sapphire Materials

Motion: To approve the SNARF

By/2nd: Liuyun Qi (GHTOT)/ Hongjia Huang (AepiTek)

Discussion: Yang Gan (HIT) firstly pointed SNARF title word “material” is not suitable phrase, the coverage is too wide. After discussion, the SNARF title change to “*Specification for Single Crystal Sapphire Intended for Use for Manufacturing HB- LED Wafers*” and also updated the Rationale and Scope correspondingly.

Vote: 17-0, Motion Passed

[Attachment-4, New standard-Specification of LED Sapphire Materials.pdf](#)

- TFOF- LED Sapphire Materials Task Force

Motion: To approve the TFOF

By/2nd: Liuyun Qi (GHTOT)/ Weizhi Cai (SANAN)

Discussion: Most members suggested that “Single Crystal Sapphire” is accurater than “LED Sapphire”, at last, updated the task force name to “Single Crystal Sapphire Intended for Use for Manufacturing HB- LED Wafers Task Force”, and also updated the Charter and Scope correspondingly. TC members asked TF leaders to recruiting more task force members for developing the document.

Vote: 17-0, Motion Passed

8 Action Item Review

8.1 Open Action Items

None

8.2 New Action Items

See Table 6.

9 Next Meeting and Adjournment

The next meeting of the China HB-LED Standards committee will be on September, 19th, 2014, Friday, in Harbin, China.

Respectfully submitted by:

Kris Shen

SEMI China

Minutes approved by:

Yong Ji (GHTOT) , Co-chair	2014/6/4
Weizhi Cai (SANAN), Co-chair	2014/6/4

Table 8 Index of Available Attachments #1

#	<i>Title</i>	#	<i>Title</i>
1	SEMI Standards Brief Introduction.pdf	3	NA HB-LED report May 2014 MT.pdf
2	SEMI Staff Report 20140522.pptx	4	New standard-Specification of LED Sapphire Materials.pdf

#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.