

SEMI Standards Staff Report

June 26, 2019 v0.1

SEMI Japan

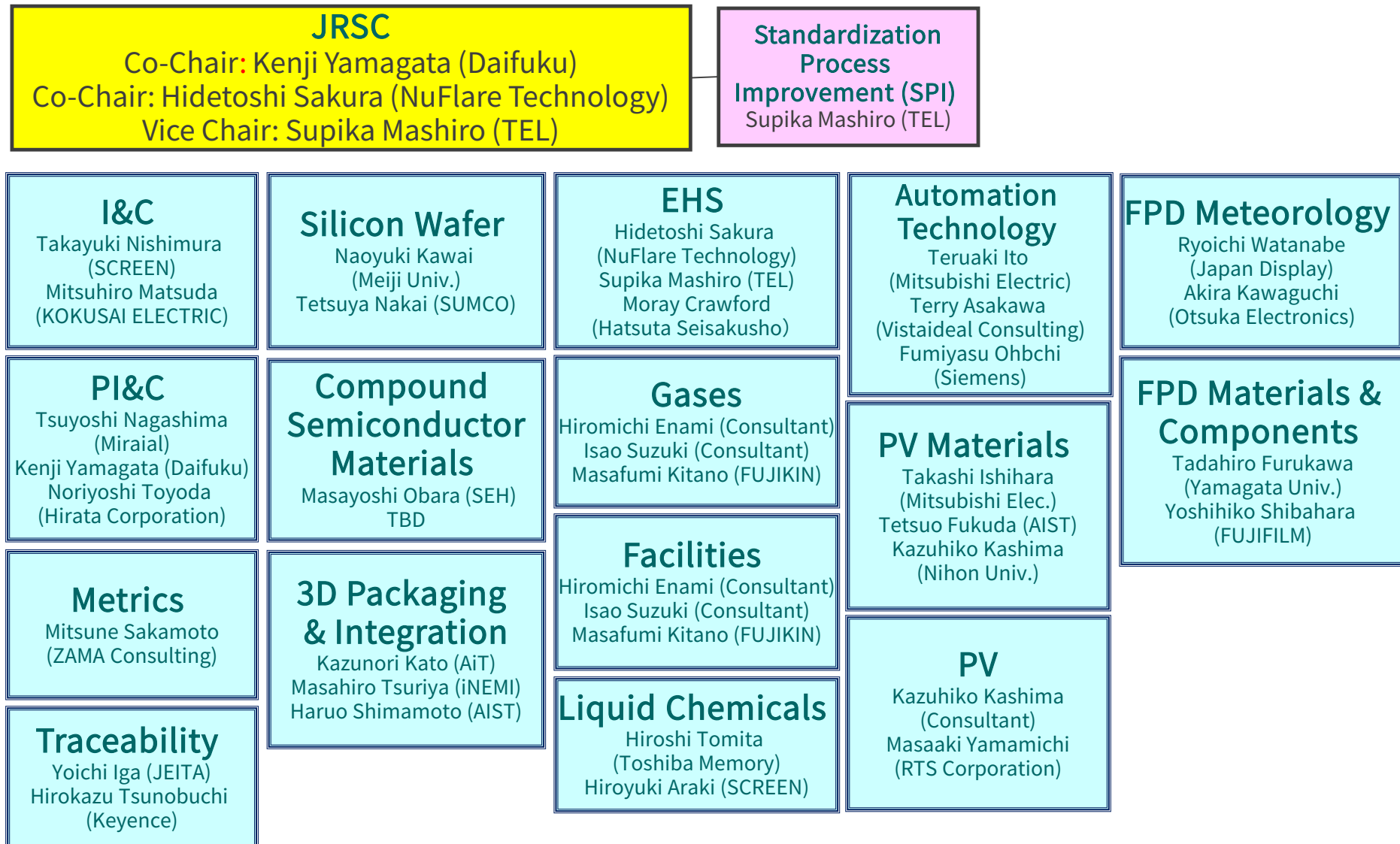
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JRSC Update

- 会議
 - 前回会議：4月19日（金）
 - 次回会議：8月30日（金） 10:00－12:00
- 2019年度日本地区委員会プランニング会議（SPI TFで計画中）
 - 2019年8月30日（金） 13:30－17:30（調整中）
 - SEMIジャパン会議室
 - トピックス
 - 実行手引き（Execution Manual）の整備（3時間）
 - Connected@SEMIを使ってみるセッション（1時間）

JRSC Organization Chart



SEMI通信（2019年）

テーマ募集中!!

- 2019_01_SEMIジャパン・スタンダード賞、2018年度は2名が受賞
✓号名の付け方が変わりました。
- 2019_03（2月発信）PLP樹脂封止装置の特徴と課題について
- 2019_04（3月発信）表面光起電力法によるシリコンウェーハの少数キャリア拡散長測定のための試料の前処理法の紹介（SEMI M88）
- 2019_05（4月発信）ガス検知の活動への参加について「SEMI S6半導体製造装置の排気換気に関する環境、健康、安全のためのガイドライン」改訂活動
- 2019_06（5月発信）装置データ収集（EDA）スタンダード Freeze Version 3 を検討中
- 2019_07（6月発信）2019年春、トレーサビリティ委員会に設立した2つのタスクフォースの紹介

SEMI Global 2019 Calendar of Events

Event Name	Event Details
SEMICON[®] KOREA	Jan. 23 -25, 2019 Seoul. South Korea
SEMICON[®] CHINA	Mar 20-22, 2019 Shanghai, China
SEMICON[®] SOUTHEAST ASIA	May 7-9, 2019 Kuala Lumpur, Malaysia
SEMICON[®] WEST	July 9-11, 2019 San Francisco, California
SEMICON[®] TAIWAN	Sept 18-20, 2019 Taipei, Taiwan
SEMICON[®] EUROPA	Nov 12-15, 2019 Munich, Germany
SEMICON[®] JAPAN	Dec 11-13, 2019 Tokyo, Japan

Global Standards Meeting Schedule

<http://www.semi.org/en/standards-events>

- June 28, 2019
Metrics Japan TC Chapter
SEMI Japan Office
- July 8-11, 2019
SEMICON WEST
San Francisco, California[MOSCONE South Hall]
- July 24, 2019
Automation Technology Japan TC Chapter
SEMI Japan Office
- July 25, 2019
Information & Control Japan TC Chapter
SEMI Japan Office
- August 2, 2019
Silicon Wafer Japan TC Chapter
SEMI Japan Office
- August 2, 2019
FPD Metrology Taiwan TC Chapter
ITRI office, Hsinchu, Taiwan
- August 29, 2019
EHS Japan TC Chapter
SEMI Japan Office
- September 20, 2019
PI&C Japan TC Chapter
SEMI Japan Office
- September 27, 2019
Information & Control Taiwan TC Chapter
SEMI Taiwan Office
- September 27, 2019
HB-LED China TC Chapter
SEMI China Office
- October 4, 2019
Gases & Facilities Japan TC Chapters Joint Meeting
SEMI Japan Office
- October (tentative), 2019
PV Taiwan TC Chapter
SEMI Taiwan Office
- October 25, 2019
PV & PV Materials China TC Chapters Joint Meeting
Beijing, China
- October 25, 2019
EHS Taiwan TC Chapter
SEMI Taiwan Office
- November 5, 2019
PV & PV Materials Japan TC Chapters Joint Meeting
SEMI Japan Office
- November, 2019
Silicon Wafer Europe TC Chapter
Munich, Germany

Standards Meeting during SEMICON West 2019

SEMICON® WEST
BEYOND SMART

Standards Meetings will be held at
MOSCONE South Hall, not Marriott Marquis
– *Meeting room details will be available on the web*

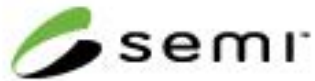


- **Registration Link**
 - <http://www.semiconwest.org/registration>
 - Expo pass is complimentary for Standards Members
 - Use promo code: STAN2019
- **Exhibitor or a Speaker?** and plan to attend the Standards Meetings
 - Register according to directions from your SEMI contact, and RSVP to Laura Nguyen at lnguyen@semi.org.
- Upgrade to an ALL In Pass at a discounted rate!

Standards Meetings during NA Spring 2019

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
	1	2	3	4	5	6
		ATE		3DP&I		
		EH&S				
	Facilities & Gases					
	HB-LED					
	Information & Control					
	Liquid Chemicals					
	MEMS/NEMS					
	Silicon Wafer					
		Metrics				
		Physical Interfaces & Carriers				
				Traceability		

**Schedule
at-a-glance**



STANDARDS



Networking Event

**Tuesday, April 2
5:30 PM to 7:00 PM**

**SEMI
673 S Milpitas Blvd
Milpitas, California 95035**

Upcoming North America STD Meetings

Event Name	Date / Venue
SEMICON West 2019	July 8-11, 2019 San Francisco, California [MOSCONE South Hall]
NA Standards Fall 2019 Meetings	November 4-7, 2019 SEMI HQ in Milpitas, California
NA Standards Spring 2020 Meetings	March 30- April 2, 2020 (tentative) SEMI HQ in Milpitas, California




Seminar: Tutorials & STEP

- SECS/GEM Tutorial on June 20, 2019
- GEM 300 Tutorial on June 21, 2019
- STEP/SEMI S2 on November 1, 2019

2019 Critical Dates for SEMI Standards Ballots

2019	Ballot Submission Deadline	Voting Opens	Voting Closes
Cycle 2	Feb 1	Feb 15	Mar 18
Cycle 3	Mar 12	Mar 26	Apr 25
Cycle 4	Apr 16	Apr 30	May 30
Cycle 5	May 10	May 24	Jun 24
Cycle 6	July 19	July 31	Aug 30
Cycle 7	Aug 22	Sept 4	Oct 4
Cycle 8	Oct 11	Oct 25	Nov 25
Cycle 9	Nov 14	Nov 26	Dec 26

A&R Ballot Review (2019)

A&R Cycle	Result	Notes
January 2019	 ISCA&RSCWebJa 19VotingSummar	All passed
May 2019	 Adobe Acrobat Document	All Passed
June 2019	 2019_June_A&R	Doc. 5661D and 6497 failed.

#6497 Ballot Review

1. 現在の版のタイトル

- Mechanical Interface Specification for 450 mm Load Port for Tape Frame Cassettes in the Backend Process

2. Ballotで提案したタイトル

- Specification for Mechanical Features of 450 mm Load Port for Tape Frame Cassettes in the Backend Process

3. Editorial Change後のタイトル

- Specification for Mechanical Interface Features of 450 mm Load Port for Tape Frame Cassettes in the Backend Process

- Procedure Manual 2.11.4 Editorial Changes のTable 6 に以下のような例が書かれています。
 - Example of Items DO NOT Qualify As Editorial Change: Any change to the title or scope of a Standard or Safety Guideline (except to correct an obvious misspelling).

SEMI Standards Publications (2019)

Cycle	New	Revised	Reapproved	Withdrawn
January 2019	2	0	0	0
February 2019	1	3	4	0
March 2019	1	5	6	0
April 2019	1	4	6	0
May 2019	0	16	5	0

- Total SEMI Standards in portfolio: 1,002
 - Includes 268 Inactive Standards

SEMI Standards Publications (2019)

New Standards

Cycle	Designation	Title	Committee	Region
Jan 2019	SEMI M88	Practice for Sample Preparation Methods for Measuring Minority Carrier Diffusion Length in Silicon Wafers by Surface Photovoltage Methods	Silicon Wafer	JA
Jan 2019	SEMI T23	Specification for Single Device Traceability for the Supply Chain	Traceability	NA
Feb 2019	SEMI PV89	Test Method of Current-Voltage (I-V) Measurement in Indoor Lighting for Dye-Sensitized Solar Cell and Organic Photovoltaic	Photovoltaic	TW
Mar 2019	SEMI PV90	Guide for Material Requirements of Internal Feeders Used in Monocrystal Silicon Growers	PV Materials	CN
Apr 2019	SEMI A2-0419	Specification for Surface Mount Assembler Smart Hookup (SMASH)	Automation Technology	JA

Reg Subcommittee

- 規約およびPMの改訂
 - 2019年2月28日に公表
 - 2019年北米地区スタンダード委員会より適用となる

REG SC

改訂の背景

- Trademark関連： § 16の前回改訂に対する矛盾点を修正
 - § 1.5.11: harmonized with standard practice in *PM* related to subheadings for SDOs
 - § 8.8 and ¶ 9.2.5.1.1.3 harmonized with § 16
 - § 16.4.4 revised for further clarification for trademark procedures
- SEMIのリーガルカウンシルによるIP関連のセクションの見直しで生じた懸念の解決
 - “Use of trademark in Standard Document” might be confusing
 - Potential of misunderstanding that reproduction of SEMI Standards in other documents such as user-supplier agreement is allowed without obtaining specific permission or license from SEMI
 - “Use of copyrighted material” might imply copyright violation

REGS

規約改訂のサマリ

- IP関連ポリシーの明確化
 - Addressed potential confusion about confidentiality of information disclosed in SEMI Standards Program
 - Improvements made in § 1.5.11 Use of Proper Names and Trademarks
 - Clarified that SEMI Standards are used by reference (SEMI's Copyright), but not by inclusion in other documents (¶ 1.5.9) in the context of the paragraph.
- Trademarkに関する § 8および § 9と § 16の矛盾修正
- LOIのアクセプタンス条件に関する確認
- 著作物および商標に適用可能な言葉の統一および手順の明確化
 - “copyrighted item(s)” is replaced with a new defined term (as defined in ¶ 4.3), and copyrighted material(s) is replaced with Copyrighted Item(s), where appropriate.
 - “use (n., v.)” or “reproduction (n.)/reproduce (v.) in the contexts of Copyrighted Items or third-party trademarks in the Standard Documents are replaced with “incorporation (n.)/ incorporate (v.).

REG SC

PM改訂のサマリ

- 規約改訂に伴う必要な変更
- Table6の「編集上の変更に該当しない項目」に例を追加
- Noticeの使用に関する説明
- “nonconforming title”を訂正するためのAppendix4の改訂およびアップデート

connected@SEMI

- Web link - <https://connect.semi.org>
 - Login using Standards account (username and password)
- Program Member
 - Join any task forces
 - Post discussion thread
- TF Leader/Community Admin
 - Add member
 - Upload meeting minutes
 - Communicate TF members
 - Contact your staff if a TF Site is desired
- Details
 - www.semi.org/standards → Committee Info → Collaboration Community

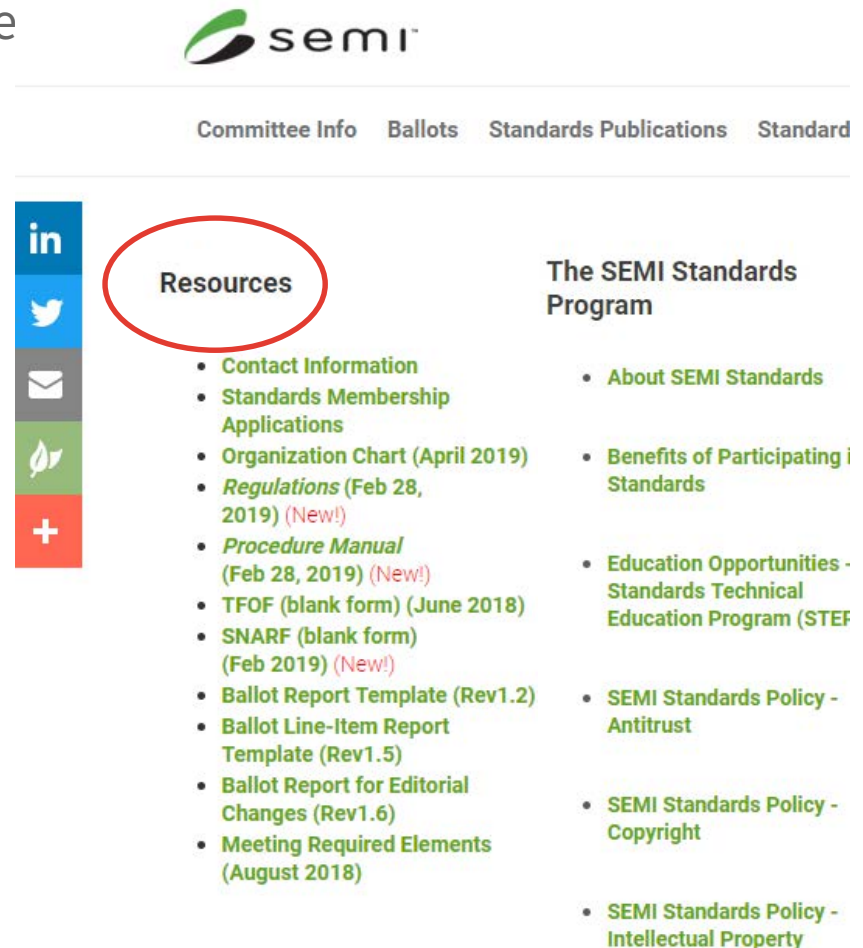


Collaboration Community

- **Connected@SEMI**
The secure online, interactive platform for Committee and Task Force Communities
- **Instructions for Program Member**
Detailed instructions on how to log in and post discussion.
- **Instructions for TF Leader/Community Admin**
Detailed instructions on how to add member, upload minutes, and other tasks.

New Forms, Regulations, and Procedure Manual

- *Regulations* (Feb 28, 2019)
 - Latest version clarifies procedure and trademarks
- *Procedure Manual* (Feb 28, 2019)
- SNARF (Feb 2019)
- www.semi.org/standards
 - Under Resources



The screenshot shows the SEMI website with the SEMI logo at the top. Below the logo is a navigation bar with links: Committee Info, Ballots, Standards Publications, and Standard. On the left side, there is a vertical stack of social media icons: LinkedIn, Twitter, Email, Facebook, and a plus sign. The main content area is titled "Resources" and is circled in red. It contains two columns of links. The first column lists: Contact Information, Standards Membership Applications, Organization Chart (April 2019), Regulations (Feb 28, 2019) (New!), Procedure Manual (Feb 28, 2019) (New!), TFOF (blank form) (June 2018), SNARF (blank form) (Feb 2019) (New!), Ballot Report Template (Rev1.2), Ballot Line-Item Report Template (Rev1.5), Ballot Report for Editorial Changes (Rev1.6), and Meeting Required Elements (August 2018). The second column is titled "The SEMI Standards Program" and lists: About SEMI Standards, Benefits of Participating i Standards, Education Opportunities - Standards Technical Education Program (STEF), SEMI Standards Policy - Antitrust, SEMI Standards Policy - Copyright, and SEMI Standards Policy - Intellectual Property.

semi

Committee Info Ballots Standards Publications Standard

in

Resources

- Contact Information
- Standards Membership Applications
- Organization Chart (April 2019)
- Regulations (Feb 28, 2019) (New!)
- Procedure Manual (Feb 28, 2019) (New!)
- TFOF (blank form) (June 2018)
- SNARF (blank form) (Feb 2019) (New!)
- Ballot Report Template (Rev1.2)
- Ballot Line-Item Report Template (Rev1.5)
- Ballot Report for Editorial Changes (Rev1.6)
- Meeting Required Elements (August 2018)

The SEMI Standards Program

- About SEMI Standards
- Benefits of Participating i Standards
- Education Opportunities - Standards Technical Education Program (STEF)
- SEMI Standards Policy - Antitrust
- SEMI Standards Policy - Copyright
- SEMI Standards Policy - Intellectual Property

Style Manual Update

- Style Manual Version 6 (March 25, 2019)
 - Additions and revisions to harmonize with updated *Regulations* and *Procedure Manual*
 - Updates
 - *Company or Organization Trademarks (Table 1, #1-24)*
 - *Active vs. Passive Voice (Table 4, #4-4)*
 - *Word Usage (Table 4, #4-5)*
 - *New Safety Guideline Conformance Notice (Table 8, #8-1)*
- www.1semi.org/standards/standardspublications
 - Under Document Authoring Tools

Global Staff Assignment - Japan

- Mizue Iwamura
 - Automation Technology
 - Information & Control
 - Facilities
 - Gases
 - Liquid Chemicals
 - Photovoltaic
 - Photovoltaic Materials
- Junko Collins
 - Compound Semiconductor Materials
 - Silicon Wafer
 - (JRSC)
- Chie Yanagisawa
 - 3D Packaging & Integration
 - EHS
 - FPD M&C
 - FPD Meteorology
 - Metrics
 - Physical Interfaces & Carriers
 - Traceability

Global Staff Assignment - North America

- Kevin Nguyen
 - Compound Semiconductor Materials
 - EHS
 - Microlithography
 - Photovoltaic
 - Photovoltaic Materials
 - Silicon Wafer
- Inna Skvortsova
 - Automated Test Equipment
 - HB-LED
 - Information & Control
 - Liquid Chemicals
 - Metrics
 - Traceability
- Laura Nguyen
 - 3D Packaging & Integration
 - Facilities
 - Gases
 - MEMS / NEMS
 - Physical Interfaces & Carriers

Global Staff Assignment – Other regions

- China
 - Isadra Jin
 - HB-LED
 - PV
 - PV Materials
- EU
 - James Amano and Kevin Nguyen
 - Automation Technology
 - Compound Semiconductor Materials
 - Gases
 - Information & Control
 - Liquid Chemicals
 - Metrics
 - Physical Interfaces & Carriers
 - PV Materials
 - Silicon Wafer
- Korea
 - Natalie Shim
 - Facilities
 - FPD Metrology
 - FPD Materials & Components
 - Information & Control
- Taiwan
 - Dean Chang, Tiffany Huang
 - 3D Packaging & Integration
 - Automation Technology
 - EHS
 - FPD Metrology
 - Information & Control
 - PV

Global Staff Assignment - International

- James Amamo
 - ISC
- Kevin Nguyen
 - Regulation
 - Audit & Review

The background of the slide is a solid red color. It features several white hexagonal shapes of varying sizes and opacities scattered across the surface. The text 'Thank you' is centered in the upper half of the slide in a white, serif font.

Thank you

Please let us know if your affiliate is changed

- Company change
 - Re-register for SEMI Standards Program Member (and TC Member)
 - Contact to Standards Staff
 - We will delete your old account and verify your new account.
- Parent organization Change (your company is not changed.)
 - Contact to Standards Staff
 - We will change your affiliate and verify your account.

3.2.1.1 An 'affiliate' of a parent organization is any other entity that (1) is majority-owned or controlled by the parent organization or (2) is under common majority ownership or control of the parent organization.

'Majority-owned' or 'majority ownership' means the parent organization holds more than 50% of the voting equity securities of another business entity. 'Control' may include a variety of factors that give the parent organization the right, regardless of whether such right is ever exercised, to materially influence or direct management policies or decisions of another entity.