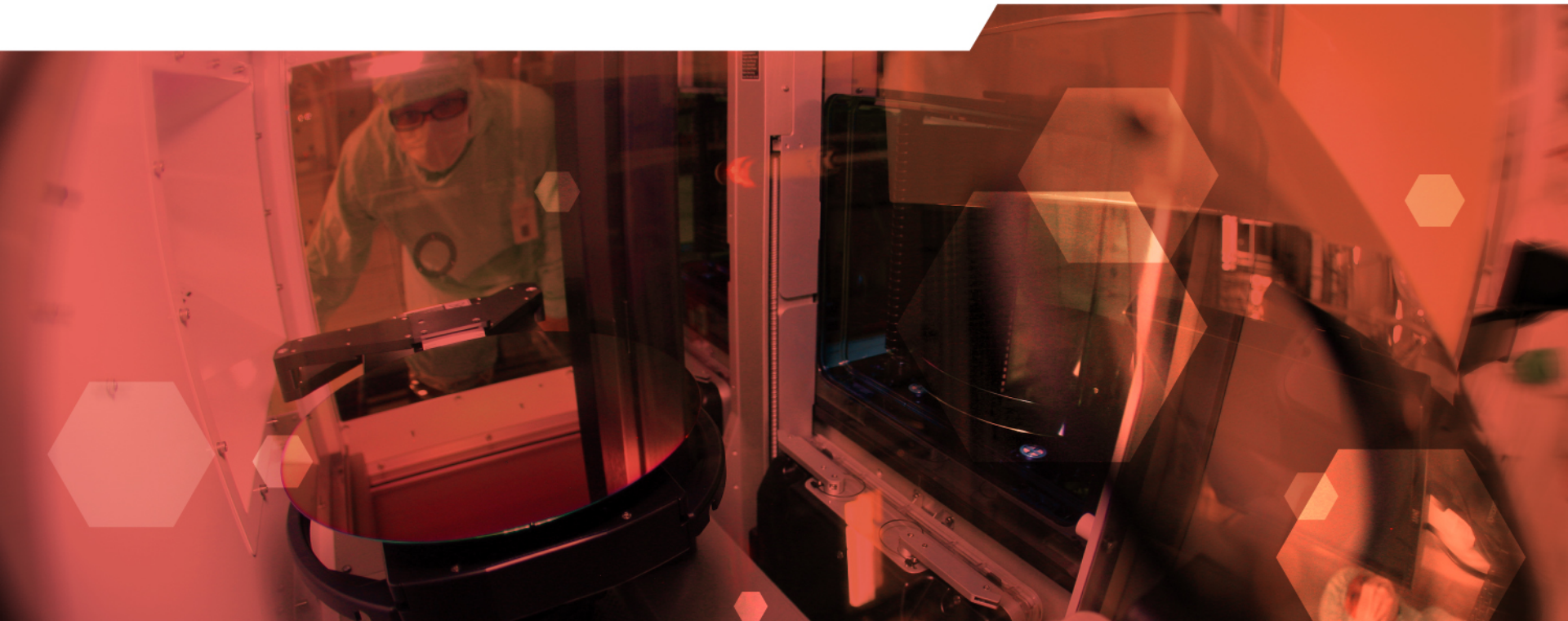


North America TC Chapter Information & Control Global Technical Committee

Liaison Report

December 2020

v1



Outline

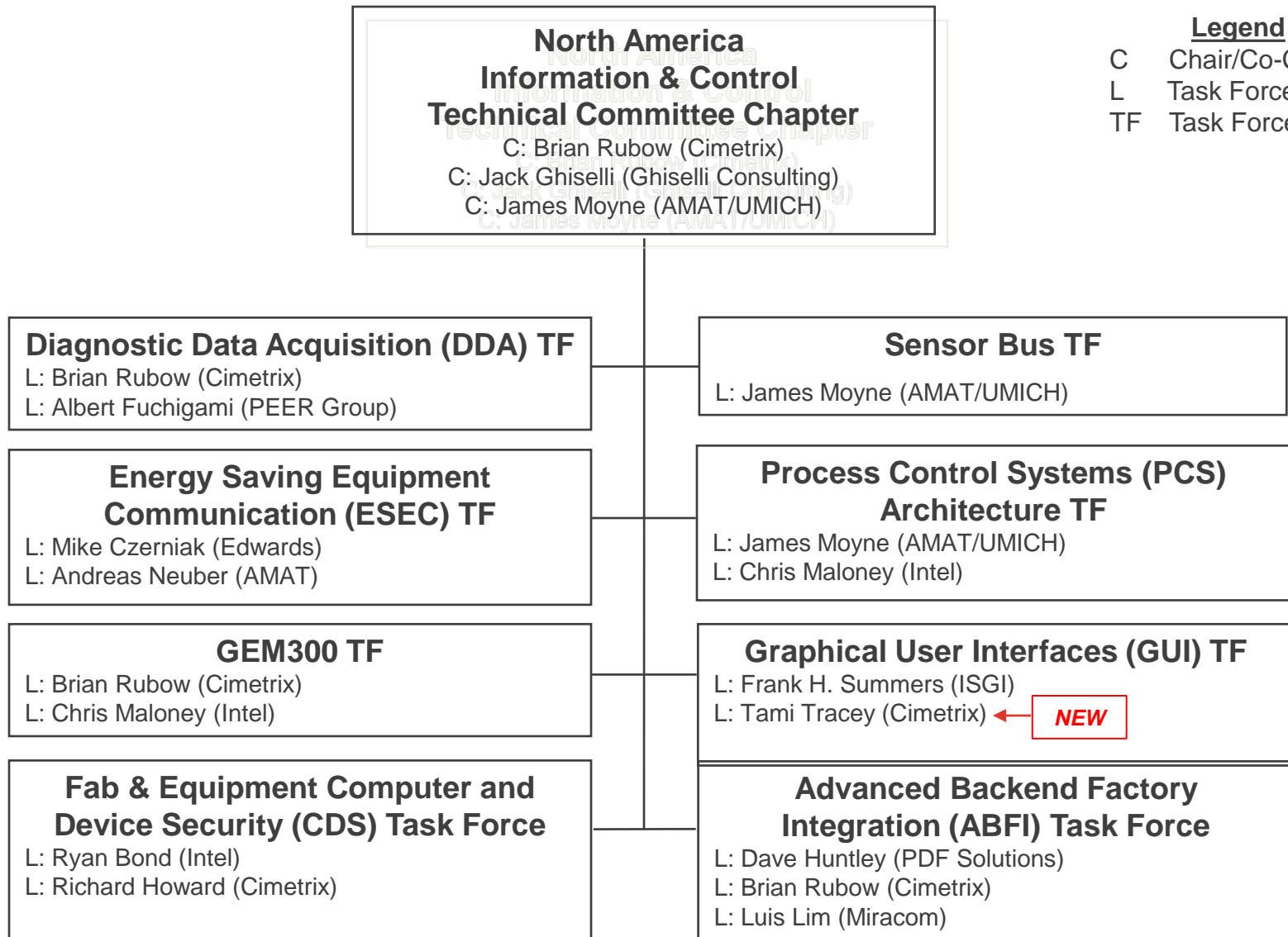
- Leadership
- Organization Chart
- Meetings Information
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- Activities Approved via GCS
- Authorized Activities/Other Activities
- Authorized Ballots
- Open SNARFs
- Abolished SNARFs
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- Task Force Highlights
- Next Meeting Schedule
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Leadership

- Committee Co-chairs – no change
 - Brian Rubow (Cimetrix)
 - Jack Ghiselli (Ghiselli Consulting)
 - James Moyne (Applied Materials /University of Michigan)
- TF Leadership Changes
 - GUI Task Force
 - Tami Tracey (Cimetrix) – new co-leader

N.A. I&Cs TC Organization Chart

Legend
C Chair/Co-Chair
L Task Force Leader
TF Task Force



Meeting Information

- NA I&C TC Chapter Meeting [Tentative]
 - April 1, 2021
 - Online via OVTCCM

Ballot Results Cycle 5-2020

Ballots 6552A LI-2, 6346C, 6527B, 6553B, 6571B, 6598A LI-1, 6648 LI-1 and LI-2 were adjudicated at the Taiwan I&C TC Chapter Meeting held on July 31, 2020.

Document #	Document Title	Committee Action
6346C	Revision to Add a New Subordinate Standard: Specification for Protocol Buffers for Equipment Client Authentication and Authorization (ECA) to SEMI E132-1015, Specification for Equipment Client Authentication and Authorization	Failed
6527B	Revision to SEMI E125-0414, Specification for Equipment Self Description (EqSD)	Failed
6552	Line Item Revision to SEMI E5-0219: Specification For SEMI Equipment Communications Standard 2 Message Content (SECS-II)	
6552 LI-1	SEMI E5 - Query Interface Setup	Pending
6552 LI-2	SEMI E5 - Logical Naming Conventions	Failed
6552 LI-3	SEMI E5 - S7F17/F18 Clarification	Pending
6553B	Revision to SEMI E134-0319 Specification for Data Collection Management	Failed
6571B	Revision to SEMI E132-0419: Specification for Equipment Client Authentication and Authorization	Failed
6598A	Line Item Revision to SEMI E37-1018: Specification for High Speed Secs Message Services (HSMS) Generic Services and SEMI E37.1-0819: Specification for High-Speed Secs Message Service Single Selected-Session Mode (HSMS-SS)	
6598A LI-1	SEMI E37 - Query Interface Setup	Failed
6648	Line Item Revisions to E142-0211 (Reapproved 1016): Specification for Substrate Mapping	
6648 LI-1	To add substrate types, including, but not limited to; tape and reel, panel and printed circuit board (PCB).	Passed
6648 LI-2	To add device level raw materials and process variable traceability feature to the data model and schema.	Passed

Ballot Results Cycle 7-2020

Ballots 6346D, 6527C, 6553C, 6571C, 6598B LI-1 were adjudicated at the Korea I&C TC Chapter on November 27, 2020.

Document #	Document Title	Committee Action
6346D	Revision to Add a New Subordinate Standard: Specification for Protocol Buffers for Equipment Client Authentication and Authorization (ECA) to SEMI E132-1015, Specification for Equipment Client Authentication and Authorization	Failed
6527C	Revision to SEMI E125-0414, Specification for Equipment Self Description (EqSD)	Failed
6552	Line Item Revision to SEMI E5-0219: Specification For SEMI Equipment Communications Standard 2 Message Content (SECS-II)	
6552 LI-1	SEMI E5 - Logical Naming Conventions	Pending
6553C	Revision to SEMI E134-0319 Specification for Data Collection Management	Failed
6571C	Revision to SEMI E132-0419: Specification for Equipment Client Authentication and Authorization	Failed
6598B	Line Item Revision to SEMI E37-1018: Specification for High Speed Secs Message Services (HSMS) Generic Services and SEMI E37.1-0819: Specification for High-Speed Secs Message Service Single Selected-Session Mode (HSMS-SS)	
6598B LI-1	Line Item Title: Clarify T8	Failed

Activities Approved via GCS between Meetings

- SNARF 6682, Line Item Revision to E142: Specification for Substrate Mapping, E142.1-1016 XML Schema for Substrate Mapping and E142.2-1016 SECS II Protocol for Substrate Mapping
- SNARF 6683, Line Item Revisions to Standard SEMI E148-1109 (Reapproved 0614): Specification for Time Synchronization and Definition of the TS-Clock Object

Activities Approved via GCS between Meetings

Adjudication of all ballots below were transferred to the Korea TC Chapter from the NA TC Chapter by approval of the Global Coordinating Subcommittee on November 25, 2020.

DDA

#6346D - Revision to Add a New Subordinate Standard: Specification for Protocol Buffers for Equipment Client Authentication and Authorization (ECA) to SEMI E132-0419: Specification for Equipment Client Authentication and Authorization

#6527C - Revision to SEMI E125-0414, Specification for Equipment Self Description (EqSD)

#6553C - Revision to SEMI E134-0319 Specification for Data Collection Management

#6571C - Revision to SEMI E132-0419: Specification for Equipment Client Authentication and Authorization

GEM 300

6598B (E37 1 line item)

Authorized Activities

- None

Authorized Ballots

- None

Open SNARF(s) [1/3]

- Advanced Backend Factory Integration Task Force (ABFI)
 - 6682, Revision to E142 to increase scope
 - 6648, Line Item Revision to E142-0211 (Reapproved 1016): Specification for Substrate Mapping
- Diagnostic Data Acquisition Task Force (DDA)
 - 6343, Line-Item Revision to SEMI E138: Specification for XML Semiconductor Common Components
 - 6345, Revision to Add a New Subordinate Standard: Specification for Protocol Buffers for Equipment Self Description (EqSD) to SEMI E125-0414, Specification for Equipment Self Description (EqSD)
 - 6346, Revision to Add a New Subordinate Standard: Specification for Protocol Buffers for Equipment Client Authentication and Authorization (ECA) to SEMI E132-1015, Specification for Equipment Client Authentication and Authorization
 - 6347, Revision to Add a New Subordinate Standard: Specification for Protocol Buffers of Data Collection Management to SEMI E134-0414, Specification for Data Collection Management
 - 6527, Revision to SEMI E125-0414, Specification for Equipment Self Description (EqSD)
 - 6553, Revision to SEMI E134-0319 Specification for Data Collection Management
 - 6571, Revision to SEMI E132-0419: Specification for Equipment Client Authentication and Authorization
- Fab & Equipment Computer and Device Security (CDS) Task Force
 - 6565, New Standard: Specification for Application Whitelisting
 - 6566, New Standard: Specification for Malware Free Equipment Integration

Open SNARF(s) [2/3]

- GEM 300 Task Force
 - 6348, Revision to E30-0418: Specification for the Generic Model for Communications and Control of Manufacturing Equipment (GEM)
 - 6552, Line Item Revision to SEMI E5-0219: Specification For SEMI Equipment Communications Standard 2 Message Content (SECS-II)
 - 6572, Revision to SEMI E30-0418: Specification for The Generic Model for Communications and Control of Manufacturing Equipment (GEM)
 - 6597, Line Item Revision to SEMI E173-0415E: Specification for XML SECS-II Message Notation (SMN)
 - 6598, Line Item Revision to SEMI E37-0819: Specification For High Speed Secs Message Services (HSMS) Generic Services and E37.1-XXYY: Specification For High-Speed Secs Message Service Single Selected-Session Mode (HSMS-SS)
 - 6647, Line Item Revision to Standard E116-0518 SPECIFICATION FOR EQUIPMENT PERFORMANCE TRACKING (EPT) and E116.1-0707 (Reapproved 0518) SPECIFICATION FOR SECS-II PROTOCOL FOR EQUIPMENT PERFORMANCE TRACKING (EPT)
 - 6683, Line Item Revision to Standard SEMI E148-1109 (Reapproved 0614): SPECIFICATION FOR TIME SYNCHRONIZATION AND DEFINITION OF THE TS-CLOCK OBJECT
- Graphical User Interfaces (GUI) Task Force
 - 6124, Revision to SEMI E95-1101, Specification for Human Interface for Semiconductor Manufacturing Equipment

Open SNARF(s) [3/3]

- Process Control System NA Task Force
 - 6174, Line Item Revision to SEMI E54.9, Specification for Sensor/Actuator Network Communication Specification for Modbus/TCP over TCP/IP
 - 6649, Line item revisions to SEMI E133-1218: Specification for Automated Process Control Systems Interface, and SEMI E133.1-0318: Specification for XML Messaging for Process Control System (PCS)

SNARF(s) Abolished

#	SC/TF/WG	Details
6338	DDA TF	Revision to SEMI E132: <i>Specification for Equipment Client Authentication and Authorization.</i> SNARF superseded by new SNARF (SNARF #6571, 7/9/19)
6532	GEM 300TF	Reapproval to SEMI E148-1109 (Reapproved 0614): <i>Specification for Time Synchronization and Definition of the TS-Clock Object</i> SNARF abolished due to the scope change. (7/8/19)

SNARF(s) Granted a One-Year Extension

#	TF	Title	New Expiration Date
6124	GUI TF	Revision to SEMI E95-1101: <i>Specification for Human Interface for Semiconductor Manufacturing Equipment</i>	11/06/2020

Task Force Reports

Advanced Backend Factory Integration (ABFI) Task Force

- Leadership Changes - none
- Ballots Adjudicated
 - 6648 LI-1 - To add substrate types, including, but not limited to; tape and reel, panel and printed circuit board (PCB) (Passed, Published)
 - 6648 LI-2 - To add device level raw materials and process variable traceability feature to the data model and schema (Passed, Published)
- Upcoming Ballots:
 - 6682 E142 Line Item Revision

Diagnostic Data Acquisition (DDA) Task Force

- New Ballots (Cycle 2, 2021)

- 6346E – New Subordinate Standard for E132
- <TBD> – E125 Revision
- <TBD> – E134 Revision
- <TBD> – E132 Revision
- 6347 – New Subordinate Standard for E134

Request I&C GCS authorize these ballots for voting cycle since NA I&C TC was postponed due to COVID-19.

- Ballot Authorization for new SNARFs for E132, E134, E125 and Ballot 6346E is contingent on another Region's I&C TC failing Cycle 7 – 2020 ballots

- Ratification Ballots

- None

Energy Saving Equipment Communication (ESEC) Task Force

- Working on status of SEMI E 167/175 implementation
 - Survey sent out.

Fab & Equipment Computer and Device Security (CDS) Task Force

- TF Leadership changes
 - None
- New SNARFs - None
- Ballot Adjudication –
 - 6566, New Standard: Specification for Malware Free Equipment Integration (Failed at May 2020 Taiwan TC Chapter Meeting)
- Upcoming Ballots
 - 6566A, New Standard: Specification for Malware Free Equipment Integration
 - Tentative: Cycle 2-2021

Generic Equipment Model 300 (GEM300) Task Force Report

- Ballot's Pending Adjudication at the next NA I&CC from Previous Meetings
 - 6552A Line Item #1 from Summer 2020
 - 6552A Line Item #3 from Summer 2020
 - 6597 line items 1 from Spring 2020
 - 6597 line item 2 from Spring 2020
 - 6552B from Fall 2020
- Ballot Adjudication:
 - Passed in the Task Force:
 - None
 - Ratification Ballot in the Task Force
 - 6552B (E5, 1 line item)
 - Failed in the Task Force
 - 6598B (E37 1 line item)
- New Ballots and ballot plans
 - Cycle #2 (2021)
 - 6598C (E37 Line Item Revision)
 - 6572 (E30 major revision)
 - TBD (E116, major revision with revised SNARF)
 - 6683 (E148)
 - R6552B (E5)

Graphical User Interfaces (GUI) Task Force

- Leadership Change:
 - New TF co- Leader: Tami Tracey (Cimetrix)
- New SNARFs proposals
 - None
- SNARF extension
 - #6124 Revision to SEMI E95 1101, Specification for Human Interface for Semiconductor Manufacturing Equipment
 - Initially authorized December 2016
 - Extension authorized November 2019
- Ballot Adjudication:
 - None
- Resuming activities on Doc. 6124 in July-2020
 - User Experience, Workflow, Modern screen colors, Appropriate uses of SSDs
 - Lights-Out operation
 - Green salience

Process Control Systems (PCS) Task Force

- TF Leadership changes
 - None
- New SNARF(s)
 - 6649, Line item revisions to SEMI E133-1218: Specification for Automated Process Control Systems Interface, and SEMI E133.1-0318: Specification for XML Messaging for Process Control System (PCS)
 - SNARF authorized via GCS on April-2020
- Ballot Adjudication
 - None
- Current Activities
 - Coordinating with Metrics Committee on terminology for “Predictive/ Preventive Maintenance (also used in SEMI E10, E149)

Sensor Bus Task Force

- TF Leadership & changes (if any):
 - **Looking for a new TF leader**
- New SNARFs
 - None
- Recently Published:
 - SEMI E54.23-0520, Specification for Sensor/Actuator Network Communications for CC-Link IE Field Network
 - SEMI E54.18-0914 (Reapproved 0420): Specification for Sensor/Actuator Network Specific Device Model for Vacuum Pump Device
 - SEMI E54.22-0914 (Reapproved 0420): Specification for Sensor/Actuator Network Specific Device Model for Vacuum Pressure Gauges
- Reapprovals Needed
 - E54.3 reapproval
 - E54.11 reapproval

Thank you!

For more information or to participate in N.A. Information & Control TC activities, please contact Michelle Sun at SEMI
msun@semi.org