



# Reliability Committee

**TIME:** Friday, 04/5/24, 10:00 AM Central Time.

**PLACE:** Zoom (669-900-6833 or 408-638-0968), 272 780 335, <https://zoom.us/j/272780335?pwd=ZzBVUndQN3FXVFltV0poRWpRenZWdz09>

**MINUTES:** <https://www.pdma.com/> . . . . Site location TBD

PRESENT?	ATTENDEES
X	Crystal Yannarella – Chair
X	Eric Swenson, IBM – Chair
X	Joe Horzepa, PSMA – PSMA Representation
	Lisa Horzepa, PSMA – PSMA Representation
X	John Horzepa, PSMA – PSMA Representation
X	Ada Cheng, AdaClock – Member
	Rick Fishbune, IBM – Member
X	Patrick Le Fèvre, Powerbox – Member
	Tim McDonald, Infineon – Member
	Vamsi Mulpuri, Navitas Semiconductor
	Mikhail Guz - Observer
	Kevin Parmenter, Taiwan Semi – Member
	Shane Callanan, AEI – Member
	Greg Miller, Silanna – Member
	Mike Seeman, Eta One Power – Member
	Ed Massey, Ed Massey Consulting – Member
	Bill Mallory, SL Power – Member
	Shobhana Punjabi, Cisco – Member
	Hamish Laird, ELMG Digital Power – Member
	Francesco Carobolante, IoTissimo – Member
	Nitish Agarwal, SL Power – Member
	Manish Bhardwaj, TI – Member
	Denis Downey, Cisco – Member
	Dinesh Kithany, Wired & Wireless Technologies – Member
	Fred Weber, Future Tech WW – Member
	Michelle Grissom, Flex – Observer
	Tracy Riggan, IPC – Observer
	Teresa Rowe, IPC – Observer
	Hafiz Khalid - XP Power



# Reliability Committee

	Jerry Strunk, ABB – Observer
	Peter Turlo, ONSem – Observer
	Stephan Menzel, CapXon – Observer
	Henry Lee, CapXon – Observer

\* Attending APEC

GREEN = NEW MEMBER, 1<sup>st</sup> MEETING (i.e. – introduce yourself)

RED = REMOVING MEMBER, NO ATTENDANCE AND/OR RESPONSE FOR LONG TIME, PURGING

**ACTIONS (w/OWNER) HIGHLIGHTED BELOW**

**ACTION COMPLETED**

**NEW ITEMS**

**Still existing need for new leadership or Co-Chairs for support.**

Eric Swenson, IBM – Chair

## AGENDA:

- **APEC2024 PSMA Industry Session Presentation that presented**
  - IS30: “Reliability, Anticipating & Preventing Failures Before They Occur” – was a success!
  - Session Date /Time: February 29, 2024 / 1:30pm -3:30pm / Location: 203C

Presentation Start Time	Presentation End Time	Presentation Title	Presenter First Name	Presenter Last Name	Organization
<b>REQUIRED</b>	<b>REQUIRED</b>	<b>REQUIRED</b>	<b>REQUIRED</b>	<b>REQUIRED</b>	<b>REQUIRED</b>
1:30 PM	1:55 PM	<i>Predictive Failure Analysis</i>	<i>Elias</i>	<i>Khoury</i>	<i>L3Harris</i>
1:55 PM	2:20 PM	<i>Advancing Thermoelectric</i>	<i>Dr. Uttam</i>	<i>Ghoshal</i>	<i>Sheetak Inc</i>
2:20 PM	2:45 PM	<i>Reliability in Medical Power Supplies for critical Healthcare Application</i>	<i>Hafiz</i>	<i>Khalid</i>	<i>XP Power</i>
2:45 PM	3:10 PM	<i>Material Considerations for Next Generation EV Inverter Architectures</i>	<i>Dongkai</i>	<i>Shangguan</i>	<i>IPC</i>

- Revisit last meeting decision topics covered at APEC 02/28/24.
  - APEC 2025 IS Focus
    - Goal to obtain 10 speaker with the hopes of 7
    - Grid reliability
      - What demands from the power electric community and what infrastructure support is needed
      - Reach out to
        - JDEX \_ E. Swenson to follow up
        - Bosch \_ C. Yannarella to follow up contact Darin Winn
        - GE Aviation\_ Contact Edward Chen
    - Work with Magnetic committee on collaboration – ie Matt Wilkowski
  - PSMA 40<sup>th</sup> Anniversary
    - Resuscitate IPC Update \_ IPC-9592 effort
    - Reach out to support IPC 9592 Webinar
      - Denis Downey, Cisco – Crystal to reach out
      - Brian Z – Crystal to reach out
      - Jerry Strunk, ABB – Eric to reach out
    - Crystal to reach out to Reliability Committee to contribute to potential IPC 9592 Poll questions
    - Crystal to follow up with John on Poll options and provide questions
      - Do use IPC 9592 for your company
      - Do you consider it to be usable
      - Would you like to join a IPC 9592 Committee
      - Do you follow this Standard
  - Goals for upcoming year
    - Get the committee back on track
    - Increase membership/ participation
    - Looking to identify additional PTR Participates
- Webinar Speakers
  - Overvoltage Categories and heir implication in the Specification of Power Supplies
    - Presenter Paul Lee

- Webinar date scheduled for March 12<sup>th</sup>
- Webinar date scheduled for March 12<sup>th</sup>
- EPSMA PSMA Webinar Guidelines for Lifetime Specification of Power Supplies was a success 109 attended!
  - Webinar uploaded to Reliability Site:
    - <https://www.psma.com/technical-forums/reliability/presentations>

## Reliability Forum



Reliability Info & Resources for  
The Power Electronics Industry.

Purpose

Key Initiatives

Links & Resources

Presentations

Meeting Minutes

### PSMA Reliability Committee Webinar Series

#### Today's Webinar:

"Overvoltage Categories and their Implication in the Specification of Power Supplies", Paul Lee, EPSMA

#### Question & Answer Session:

Submit questions **via Questions Window** anytime. Questions will be addressed at the end of the presentation.

#### Important Notes

This webinar will be recorded and made available on the PSMA web site  
Participant Phone Lines will be muted throughout





## Reliability Committee

### Key Dates

- Webinar: Overvoltage Categories and their implication in the Specification of Power Supplies, March 12<sup>th</sup> 2024
  - Presenter Paul Lee

### Next Meeting

- Friday March 8<sup>th</sup>, 2024 at 8am - 9am (PST)
- Friday April 5<sup>th</sup>, 2024 at 8am - 9am (PST)
- Friday May 10<sup>th</sup>, 2024 at 8am - 9am (PST) – Need to confirm with the committee