



PSMA Reliability Committee

TIME: Friday, 10/28/22, 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.pσμα.com/> Site location TBD

PRESENT?	ATTENDEES
X	Brian Zahnstecher, PowerRox
X	Crystal Yannarella – L3Harris - CoChair under review
	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
X	Mikhail Guz
	Steve Miller, SL Power (<i>RETIRED</i>) – Member
	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
	Eric Swenson, IBM – 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
	Jerry Strunk, ABB – Observer
	Peter Turlo, ONSemi – Observer
	Stephan Menzel, CapXon – Observer
	Henry Lee, CapXon – Observer

* Attending APEC

GREEN = NEW MEMBER, 1st 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.

AGENDA:

- **APEC 2023 Reliability Industry Session**

- **APEC2023 PSMA Industry Session Assignments and Next Actions**

- Congratulations! The APEC IS committee has finalized the decisions on the industry session submissions and the Reliability IS was accepted for APEC 2023

- **IS 12, Wednesday March 22, 2023 AM secession, additional schedules to follow**

- IS12: “Reliability -The Good, The Bad, The Risky in preventing Catastrophe in the Industry”
 - The session will feature 7 different presentations from invited speakers. The targeted industries are:
 - Utility
 - Automotive
 - Medical
 - Production
 - Embedded Software

- **Industry secession speakers (soft confirmation)**

- **L3Harris :Joaquin Gabriels/ Brian Hacker - Impacts and Methods for Design Reliability in Military Power System Applications**

- A preliminary slide outline below:
 - 1. Intro: Why is reliability so important for military applications
 - 2. History of reliability in military applications
 - 3. Background: Military reliability requirements
 - 4. Background: Military reliability calculation methods
 - 5. Background: Reliability test methods
 - 6. Impacts to the design based on radiality requirements
 - 7. Comparison of reliability calculation methods with pros and cons
 - 8. Comparisons of test methodologies with pros and cons
 - 9. Conclusion: Summary of reliability techniques and methods with references to more information
- for further learning

- **Impacts and Methods for Design Reliability in Military Power System Applications**

- **Concerns, to ensure content will provide depth and breath for reliability discussion platform**

- **Transphorm**

- **UMD CALCE**

- **Southern California Edison (SCE)**

- **L3Harris Speaker Benjamin Morris (Software)**

- Ada suggests considering to move this topic to the Power Technology Road Map. (C. Yannarella to discuss with speaker.)

- Crystal to follow up with Ben to see if available to support December 15, Webinar
- Committee to reach out to the following to identify additional speakers:
- Eric Swenson, IBM – Waiting on reply
- Ernie Parker, Crane Aerospace and Electronics – Declined
- Tracy Riggan to reach out to contact to support Automotive sections - Waiting on reply
- Crystal Yannarella to reach out to Peter Turlo, ONSem – Working on details
- Team to reach out to Google contact for potential speaker support and topic ideas
Waiting on reply

- Key Dates

- November 11, 2022 - Submission of presentation titles/ contact info due to session organizers.
- November 14, 2022 - Early Bird APEC Registration opens
- January 23, 2023 - Early Bird APEC Registration deadline
- January 6, 2023 - Draft presentations status check, address any open questions, presenter may have
- January 27, 2023 - Draft presentations due. Upload to the Presenter Portal
- February 3, 2023 - The final version of the presentation status follows up
- February 10, 2023 - The final version of the presentation with any corrections in PDF format are to be uploaded to the Presenter Portal.
- February 13, 2023 - Short biography, elevator pitch for speaker introduction
- March 19, 2023 - First day of APEC '23
- March 22, 2023 - Mandatory Speaker Briefing and Breakfast for last minute instructions.

Next Meeting

- Wednesday November 16, 2022 at 8am - 9am (PST)