



PSMA

Reliability Committee

TIME: Tuesday, 10/12/21, 11-12pm CDT

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

MINUTES: https://www.pdma.com/technical-forums/reliability/meeting_minutes

ATTENDEES:

PRESENT?	COMMITTEE MEMBER
X	Brian Zahnstecher, PowerRox – Co-Chair
X	Joe Horzepa, PSMA – PSMA Representation
	Lisa Horzepa, PSMA – PSMA Representation
	John Horzepa, PSMA – PSMA Representation
X	Ada Cheng, AdaClock – Member
	Rick Fishbune, IBM – Member
X	Patrick Le Fèvre, Powerbox – Member
	Tim McDonald, Infineon – Member
	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
X	Ed Massey, Ed Massey Consulting – Member
X	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
X	Dinesh Kithany, Wired & Wireless Technologies – Member

* 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

AGENDA:

IF ANYONE IS INTERESTED IN CO-CHAIR ROLE, THEN PLEASE REACH OUT TO BZ RIGHT AWAY.

- **New Comm Introductions / Membership**

- Elevator pitch intros, roundtable.
 - NEW MEMBERS = Dinesh Kithany
- New Member Recruiting
- .

- **Comm Website / Purpose Statement**

- Comm website up and running on PSMA.com ADA REPORTS FULL PSMA WEBSITE REVAMP UP BY END-JAN

- Lisa mentions good opportunity to reorg (esp. “Links & Resources” page). ADD SIMPLE CATEGORIES OF **ORGANIZATIONS, STANDARDS, TOOLS, PAPERS/TALKS/ARTICLES**. **BZ WILL REQUEST CHANGES.**
- **COMM = IF HAVE ANY GOOD RESOURCES, LINKS, PAPERS, ETC. TO POST ON WEBSITE (REMINDER, OPEN TO PUBLIC), THEN PLEASE SEND TO BZ FOR POSTING VIA LISA.**

- Initiatives

- Revisit Committee Priorities
 - **BZ WILL DISTRIBUTE THE ANNUAL SURVEY AND PREPARE RESULTS SUMMARY FOR NEXT MTG.** Comm will have 1 wk to review initiative list and suggest any additions/deletions. Following that, there will 2 wk voting period in order to have final results prepared for next month’s call.
 - Review results (8.5/19 responses total). **BZ WILL SHARE FINAL RESULTS WITH MTG MINS**
 - #1 = Power Supply SW/FW Spec/Test/Standardization Phase II (**CONSIDER BRAINSTORMING PROJECT APPROACH STARTING IN LATER-FALL MTG.**)
 - Pursue deeper-dive follow-on to Phase I, perhaps consider a proposed standard.
 - #2 = Power Supply Security
 - A more comprehensive effort to identify weaknesses and propose solutions for enhancing PS SW/FW security. e.g. need for back-up image during Firmware update.
- PTR Webinars (**NEED NEW CHAMPION SPEARHEADS**):
 - Topics? Speakers? Schedule? **FOR ANY WEBINAR, DECIDE IF PROPOSE TO PTR OR IF RELIAB COMM INDEPENDENT EVENT.**
 - **COMM ACTION: WEBINAR TOPICS, PERHAPS FROM WITHIN COMM.**
 - EPSMA Secretariat, Paul Lee (big thanks to Patrick for reestablishing this relationship!)
 - Webinar based on EPSMA “Lifetime Prediction Of Power Supplies” white paper. **BZ CAN SHARE WHITE PAPER UPON REQUEST, BUT NOT FOR DISTRIBUTION.**
 - May also cultivate into APEC IS talk if satisfied with standalone webinar.
 - Captured Comm feedback/suggestion requests, which are mostly focused on content additions/enhancements to the existing white paper (Patrick notes the white paper is considered a finished product and EPSMA likely lacks the resources to update further). **BZ WILL PASS ALONG TO PAUL TODAY FOR GENERAL (NOT PTR) WEBINAR PROPOSAL,** hoping to enable a response from Paul prior to Fri’s BoD call. **BZ WILL SEND PING, PATRICK TO HELP FACILITATE RESPONSE.**
 - Doug Kirkpatrick, CEO, Eridan Communications
 - “System Reliability for Small Cells Enable 5G”
 - **Consider for PTR webinar? BZ TO REACH OUT. GIVING COMP TIME TO WORK OUT LOGISTICAL ISSUES FIRST, REVISIT IN LATER ‘21.**
- IPC/PSMA Collaborative New IPC Standard (**ERIC S. SPEARHEADS**):
 - Kickoff discussion held 4/29/21, 6/2/21, 6/4/21. Facilitating how to best establish new standard effort between PSMA & IPC. New standard in-process, negotiating MOU

amongst appropriate Leadership Team reps, Co-chaired by Eric S. from PSMA (IBM), Jerry S. from IPC (ABB) to support new group (assuming enough content to support full, new standard as opposed to appending existing one such as IPC-9592). Not starting until Q3/4 CY21, 24-36 month full process. **CALL FOR PARTICIPATION IN NEW STANDARD BASED ON PSMA PS SW/FW RELIABILITY REPORT. BZ WILL REQUEST OFFICE INC. CFP IN NEXT PSMA NEWSLETTER. ERIC WILL PROVIDE A SHORT WRITE UP AND CFP REQUEST FOR NEWSLETTER BY COB 8/13/21.** Eric provided final write up, which will ship with this month's PSMA Quarterly Newsletter (shipping 9/16/21). Comm set to kickoff with "Think Tank" meeting 11/9/21, 12-2 pm PDT and target draft completion by Nov. '22 with at least one F2F at IPC APEX Expo (San Diego, CA, 1/24/22, add day). Please reach out to Eric/Brian if interested. **Eric reports IPC has ported the legacy PSMA report into an IPC-formatted template though it is understood it needs a lot of work for reorganizing/enhancing to be more standard-like. Hamish has officially been recruited for IPC Comm, BZ working on HPE/Cisco/PAN/AEI.**

- **General**

- 1 pg. "How To" Overview / Webinar / White Paper / Etc. – Potential topics as follows –
 - Selecting uC / Memory Best Practices (i.e. – tech node independent)
 - SW Design Review Process Execution
 - Generating a List of Specs/Support Docs for a Project
 - Architecting SW/FW for Validation Methodology

- **Next Meeting**

- Tue 11/9/21, 10 am CST
- Regular Schedule = 2nd Tue (NOW, MOVING FWD) of each month, 10 am – 11 am CST
- **PSMA Annual Planning Mtg (VIRTUAL ONLY) = Tue, 10/19/21, 10 am – 3 pm CDT. PLEASE JOIN/SUPPORT. BZ TO SHARE COMM OVERVIEW ALONG WITH ALL OTHERS.** Register to attend at https://us06web.zoom.us/webinar/register/WN_32YnNMKdSM-Q115r-hySZA. Ada suggests considering collaboration with Semi Comm since lots of Reliab topics and very active.