



PSMA Reliability Committee

TIME: Tuesday, 12/14/21, 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
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
	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
	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 =
 - 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.**
 - Ada suggests adding linkage to Semi Comm WBG resources and **WILL PROPOSE SOME SPECIFIC RESOURCES**, **BZ WILL HELP EXECUTE ON WEBSITE**. This may also be a good opportunity to improve cross-promotion across all PSMA Comm so **WILL SUGGEST AT PSMA HIGHER LEVEL (I.E. – BoD, EXEC COMM, MKG COMM, etc.)**.
 - Ada notes the Emerge Alliance (<https://www.emergealliance.org/>) is kicking up efforts to standardize AC+DC (true universal) input power solutions and a CFP shall be coming shortly.

- Initiatives

- **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**. Paul sent last update on 11/3 to inform they have requested the original white paper author to generate an abstract/PPT with TBD delivery date. **PATRICK TO CONTINUE LOBBYING PAUL (CALL 11/10)**. Talk abstract (with speaker identified) provided 11/15/21, PSMA Office proposes lots of availability from mid-Jan to Feb, **AWAITING TIME SLOT CONFIRMATION FROM EPSMA**.
 - **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 EARLY ‘22.**
 - **iNEMI**
 - Topic in Smart Manufacturing / Industry 4.0...potential webinar and/or white paper to collaborate on. Ada notes iNEMI contact, Frank, can be challenging to get response from, **SHOULD PING AFTER THEIR TBD ROADMAP RELEASE**.
- **IPC/PSMA Collaborative New IPC Standard (ERIC S. SPEARHEADS):**

- 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. Comm set to kickoff with “Think Tank” meeting ~~11/9/21, 12-2 pm~~ 11/18/21, 11:30-12:30 pm EST (then monthly virtual 1-hr calls, but most work done in subcomms offline that meet at their own pace) and target draft completion by Nov. ’22 with at least one F2F at IPC APEX Expo (San Diego, CA, 1/24/22, add day). **Eric reports IPC Comm Leadership working to form WBS and reach out to volunteers directly after new year. BZ requests update from Leadership Team before end year since nothing communicated since 11/18/21 meeting and many folks asking about program mgmt, very concerned about losing initial momentum and interested parties. ERIC WILL WORK WITH TEAM TO TRY AND COMMUNICATE SOMETHING.** Eric clarifies there is no expectation of F2F participation at APEX (though great to have any Comm members planning to attend), but **WILL CHECK ON ABILITY TO SUPPORT HYBRID MTG ATTENDANCE.**

- **General**
 - 1 pg. “How To” Overview / Webinar / White Paper / Etc. – Potential topics as follows –
 - 8D / 5 Whys FA Process (**POTENTIAL INTEREST: BZ, ERIC,) BZ WILL PROPOSE SIMPLE METHODOLOGY FOR MINI-PROJECT BY NEXT MTG**)
 - Generating a List of Specs/Support Docs for a Project
 - Smart Manufacturing / Industry 4.0 Impacts to Power Manufacturing (better webinar target)
 - Inclusion of IoT/IIoT/EH/WSNs impacts?
 - Selecting uC / Memory Best Practices (i.e. – tech node independent)
 - SW Design Review Process Execution
 - Architecting SW/FW for Validation Methodology
 - Power Supply Security (**PATRICK CONTINUES TO THINK ABOUT THIS**)

- **Next Meeting**
 - Tue 1/11/22, 10 am CST
 - Regular Schedule = 2nd Tue (NOW, MOVING FWD) of each month, 10 am – 11 am CST