



PSMA Reliability Committee

TIME: Tuesday, 2/8/22, 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
	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
	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
X	Fred Weber – Future Tech WW

* 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 = Fred Weber
 - 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 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

- **APEC '22 (POR is F2F only as of today)**
 - Our Comm meeting is scheduled for **Wed, 3/23/22, 2-4 pm OR 5 PM? CST in ROOM 1 TBD IN CONV CENTER, WILL EXTEND TO 5PM TO HOST IPC-2701 MTG AFTER FIRST HR.** NOTE: good opportunity to solicit new members and potentially new Co-chair.
 - Ada points out having no IS of our own hampers our ability to recruit for the future so how to mitigate this gap? Joe suggests we monitor other IS for talks related to Reliab and selectively reach out to request quick plug for Reliab Comm as appropriate. If this has traction, then **BZ WILL PREPARE TEMPLATE MSG FOR QUICK PLUG REQUEST AND MSG FOR PSMA SOCIAL MEDIA PROMO.** Can review APEC talk and vendor listings to **GENERATE TARGETED LIST FOR RECRUITMENT AS COMM TO REVIEW IN NEXT MONTH'S MEETING.** F2F ROLL CALL = Eric S., Ada C., Fred W., BZ, PSMA Office (CAN'T ATTEND = Patrick L.). Thoughts for lobbying F2F: WBG IS (IS2, IS5, IS7, IS13, IS21, IS23), THERMAL IS (IS17), GENERAL/EXPO (power vendors: Delta, P1/GE, etc., test & measurement: R&S).
- **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.**
 - PSMA Office confirmed event for 2/17/22, 10 am CST, **WILL SHARE PROMO MATERIALS WITH TEAM WHEN AVAIL.** Event confirmed and scheduled for Thu, 2/17/22, 10 am CST.
https://us06web.zoom.us/webinar/register/5616421984696/WN_ATxzvtcyRjGVlrrH11npkA **PLS REGISTER, SPREAD THE WORD, AND SUPPORT!**
- **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):**
 - **ERIC SAYS AGENDA FOR APEC F2F WILL BE DISTRIBUTED BY COB 3/9/22.** Looking to leverage PSMA Reliab Comm F2F mtg at APEC for IPC-2701 meeting. IPC target draft request by end-22, but likely to slip into Q1 '23.
- **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**
 - BZ has 8D report template for initial guidance. Based on Comm feedback, can target draft of 1 pg. consolidation by... **BZ CAN LEVERAGE INFO (w/PLACEHOLDERS) INTO 1-2 PG. FORMAT BY NXT MTG. COMM CAN REVIEW RESOURCE GAPS AND ASSIGN STAKEHOLDERS TO PING FOR FEEDBACK.**
 - Ada/Ed note need to add specifics/references for comprehensive FA tools (i.e. – fishbone diagram, etc.). **Flow diagram will add a lot of value to short-form presentation. ERIC WILL SHARE FAVORITE "5 WHY'S" RESOURCE(S) OFFLINE FOR BZ TO INCORPORATE.**
 - Ada suggests we survey selective group of key stakeholders representing major apps/segments for what they tend to use and determine what is best for this general guidance doc.
 - 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**
 - **Wed 3/23/22, 2 pm CST. NO VIRTUAL MTG IN MAR SINCE F2F AT APEC ON WED, 3/23/22 FROM 2-5 PM CST IN TBD RM IN CONVENTION CENTER.**
 - Regular Schedule = 2nd Tue (NOW, MOVING FWD) of each month, 10 am – 11 am CST