

Minutes, PSMA EEC teleconference, June 23, 2015

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June 24, 2015

1. Arnold Alderman was unable to call in, but he provided a report by email. It was summarized in the meeting. It is copied and pasted in its entirety here:

EEDB report:

1. China standards are being obtained through CLASP and European standards. Getting just a couple of things directly from China through CNIS. So we are making progress slowly.
2. Have not completed a June tally on standards update but will provide that later in the month
3. We are still completing the EEDB maintenance manual
4. Did a large update on application categories and applications
5. Have not heard anything from Safety Committee regarding database questions so far. Have found a couple of software packages that might be helpful in searching for website updates but have not tried them yet. Looks like they might work. Standby by for any questions they may have but have devoted no time to safety standards.

Arnold also had some comments on the Industry Session for APEC2016, also copied and pasted in its entirety here:

Regarding the APEC 2106 Industry Session on Efficiency, some of the questions I am asking are:

How are building standards and grid standards impacting equipment standards that our members would be concerned about?

Another topic might be having some papers that address the fact that bricks, PSiPs, and other modular power supplies are sacrificing higher switching frequency for higher efficiency. This is somewhat, but not always, sacrificing higher density modules for higher efficiency supplies. Why is this trend continuing?

Will it be possible to have an 80+ efficiency level ABOVE the platinum level?

Just thoughts about what might be appropriate for papers in an Industry Session. *I am wondering if others are asking the same questions.*

That is my report for now. Let me know if I have any action items. Have a great meeting.

Arnold

2. At the last teleconference, the Industry Session was discussed for most of the hour, but no clear consensus emerged. At this meeting, we resolved to pick a title and theme by the end of the hour. “Smart Products for the Smart Grid” was the title proposed by Dr. Gellings of EPRI for a joint task force that never materialized. It was adopted as the tentative title.

Seven talks on seven products would be a pretty shallow presentation, however, so we picked the sub-title: “Issues that must be addressed when you interface your power product with the grid.”

Perhaps better words will emerge over time. We definitely do not want to clone the dozens of Smart-Grid forums that are proliferating now. We felt that the Industry Session should target the specific interests of the PSMA and APEC audience.

Hypothetically, a small to medium sized power converter manufacturer with limited resources is facing the problem of making their products compatible with the “Smart Grid” or “IoT.” What issues do they need to confront, and what problems do they need to solve?

The following presentation topics were selected as the starting point, recognizing that it may mature over time as potential speakers identify their specific interests.

1. Defining the “Smart Grid” and “IoT,” and addressing some of the issues that might be unexpected. Dusty gave the example that some Smart Meters are not working properly due to noise from PWM power converters.
2. Command/response communications. This should include a discussion of default modes. What does the equipment do when the computer is down?
3. Cybersecurity
4. Load leveling and Energy Storage
5. Frequency regulation
6. Voltage regulation
7. Fault tolerance and healing.