

**IEEE Product Safety Engineering Society
Telecommunications Technical Activities Committee Roster**

IEEE PSES TSTC

Meeting Minutes: August 24, 2011

Members present: Don Gies (Alcatel-Lucent), Al Martin (TE Connectivity), Paul Ng (GE Energy), Joe Randolph (Randolph Telecom), Peter Tarver (Enphase Energy), Steve Zugay (Alcatel-Lucent)

Members absent: Philip Havens (Littelfuse), Peter Lim (Alpha Technology), Mick Maytum, Dan Roman (Dialogic), Gary Schrempp (Dell), Tom Smith (TJS Technical Services Inc), Jim Wiese (Adtran)

Meeting information

For this call and for all future calls, we will use my Alcatel-Lucent bridge numbers below, until further notice.

Bridge No. (Toll Free): 1-800-771-8734

International Access: +1-647-723-3953

Access Code: 5825978

1. Attendance/Introductions

Meeting attendance was recorded. Introductions weren't needed, as there were no new members

2. Previous meeting minutes

The minutes from the last meeting were approved as submitted

3. New business

- Papers and presentations for 2011 IEEE International Symposium on Product Compliance Engineering (ISPCE 2011)
Don Gies will present on safety of wireless base station safety. Joe Randolph had to withdraw
- New Telcordia GR-3171-CORE, Issue , Generic Requirements for Network Elements Used in Wireless Networks Physical Layer Criteria. GR-3171-CORE is the wireless equivalent of GR1089-CORE. Next meeting early September
(See supporting information attached)

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- Review GR-487. Look for issues that effect telecom, especially the hydrogen venting section. Paul: Look at whether electronics could control the buildup of hydrogen. Most codes discuss hydrogen buildup in terms of percentage [often 4%]. Don: GR-487 assumes you have an empty cabinet.

4. Grounding requirements for tracer wire in outdoor optical fiber cable

Issue is whether to ground the tracer wire. Ernie Gallo cited NEC article 770 and 840 which require grounding the tracer wire. Joe: What is gauge of wire? Steve: 26 AWG. Length of fiber run could be 3000 ft. NEC article 840 says that if required, go back to article 800. IEC62305 has lightning requirements. Generally follow the NFPA. Some practices clip off the tracer wire and don't ground it. Some ONTs are inside the house, and bringing the tracer wire inside is not good practice.

5. Revisions to 60950-22 standards – Enclosure ratings

- Review Section 8.3, what is meant by “corrosion”. Some standards exempt products from corrosion tests. We may want to draft a document addressing the corrosion issue.

6. 380 V DC power systems

No specific discussion. Looking at windmills, which could have higher voltage. Today 80% of loads go through electronics. With the advent of solar power and electric cars, it could make sense to have a DC system in the house [380 V and 24 V for lighting]. The genesis of the 380 V system was for server farms. Paul: Equipment for 380 V systems is in the development stage. 380 V is compatible with existing wiring.

7. SmartGrid issues

Don found a document Smart Grid in NFPA Safety Code and Standards Technology Review. Covers a variety of subjects, including photovoltaics, wind turbines, micropower.

8. Old Business

- RFT circuits - revisions to 60950-21 standards [no discussion]
- Wiring simulators used in power cross testing [no discussion]

Respectfully submitted

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Al Martin
Secretary

| Participant | Employer | Telephone | E-mail | IEEE Member? | PSES Member? | Linkedin Subgroup | Other Committee |
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Guest: Jack Burns, Dell, IEEE PSES, VP Technical Activities

Chair: Peter Tarver
Vice Chair: Don Gies
Secretary: Al Martin

- 1) UL Standards Technical Panel for Subjects 60950-1, -21, -22, -23
- 2) TIA TR 41.7, TR41.7.1
- 3) IEEE Surge Protective Devices Committee

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- 4) ATIS Protection Engineers Group
- 5) ITU-T, SG5, WP1
- 6) Canadian National Subcommittee for IEC TC108
- 7) TIA TR 41.7.10 (Smart Grid)

Other LinkedIn members:

hifi cha, China (Independent Consumer Electronics Professional)