IEEE Product Safety Engineering Society
IEEE PSES TSTC
Meeting Minutes: 24 October 2012

Members present: Don Gies (Alcatel-Lucent), Al Martin (TE Connectivity), Paul Ng (GE Energy), Joe Randolph (Randolph Telecom), Anne Venetta-Richard (Alcatel-Lucent), Gary Schrempp (Dell), Jim Wiese (Adtran).

Members absent: Tim Ardley (Adtran), Philip Havens (Littelfuse), Peter Lim (Alpha Technology), Mick Maytum, Doug Parker (Adtran), Dan Roman (Dialogic), Tom Smith (TJS Technical Services Inc), Peter Tarver (Enphase Energy), Steve Zugay (Cree).

1. Attendance/Introductions

Attendees introduced themselves.

2. Previous meeting minutes (Attached)

The minutes from the last meeting was approved as submitted

3. New business

4. Who is attending the Symposium in Portland?
Joe Randolph, Paul Ng

a. What papers/presentations?
Joe Randolph, on the subject of lightning protection of wireline and Ethernet equipment

b. Attendance at the Technical Committee Meeting
Joe Randolph and Paul Ng were requested to attend the technical meeting, since Don Gies can't attend.

5. IEC 62368 – MOV requirements – Mick Maytum
Not discussed

6. ATIS/Telcordia Activity

a. New Telcordia GR-3171-CORE, Issue 1, Generic Requirements for Network Elements Used in Wireless Networks Physical Layer Criteria. Issue 1 was issued on 16 October 2012. The TSTC was represented on this standard's TTF and had reviewed and provided input to this standard.

b. GR-487-CORE re-write. Two issues were discussed at last month's meeting:

i. Lifting Details Requirements for Equipment under 90.7 kg/200 lbs that are hoisted to heights. See the attached photo of the squashed truck hit by a falling remote radio head, and the draft re-write, Section 3.13 on the lifting details section.

Need explicit directions – don't leave the lifting details to be worked out on site.

The latest draft of GR-487-CORE says that above 10 feet, need lifting details

ii. Harmonizing the battery section with the TSTC's proposal to the IEC on battery ventilation. See the draft re-write of the battery section of the standard, Section 3.24 and our committee's proposal, as it has been sent to the ANSI/US TAG for TC 108.

When hydrogen is evolved, it is assumed that the hydrogen goes straight up. So vents should be at the top of the cabinet.

Don discussed the constructional requirements.

Don: In the test procedure, vent tubes need to be blocked.

Don: Many of the ideas generated in this committee were incorporated into the draft of GR-487-CORE.

Don: Openings in the cabinet are now covered with a material that is waterproof, but lets air through.

Don: The only other technology that has outgassing issues is Ni-Cad (but this technology is obsolete).

7. Additional agenda items
None

8. Old Business
a. AC Power Cross Considerations for Non-Telecom Signaling Lines (e.g. Ethernet, Alarms) Run in Outside Plant. Jim Wiese didn't have anything

b. Smart Grid Issues

c. 380 V DC power systems
NEMA writing a standard on this

d. Solar panel integration

e. IEC 62368-1 – Impact on Telecom Industry.
There have been much discussion from the industry as to whether IEC 62368-1, "Audio, Information and Communication Technology Equipment – Part 1: Safety Requirements," should be globally adopted as national safety standards, replacing IEC 60950-1 and IEC 60065.

We have heard pros and cons for adoption. The pros tendency is that there are more options available for service-access equipment, whereas the cons tendency is that there are additional tests that will add expense to testing and certification.

With respect to the telecom industry, what are the pros and cons for adopting IEC 62368-1?

Next meeting – Proposed Wednesday, 28 November 2012.

Respectfully submitted,

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
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)
8) US TAG to IEC TC 108

Other LinkedIn members:
hifi cha, China (Independent Consumer Electronics Professional)

Jeff Whitmire (Manager, Regulatory Compliance at Adtran)