

**IEEE Product Safety Engineering Society**  
**Telecommunications Technical Activities Committee Roster**  
IEEE PSES TSTC  
Meeting Minutes: June 22, 2011

Members present: Don Gies (Alcatel-Lucent), Steve Zugay (Alcatel-Lucent), Joe Randolph (Randolph Telecom), Dan Roman (Dialogic), Peter Lim (Alpha Technology)

Members absent: Al Martin (TE Connectivity), Mick Maytum, Tom Smith (TJS Technical Services Inc), Philip Havens (Littelfuse), Paul Ng (GE Energy), Gary Schrempp (Dell), Jim Wiese (Adtran), Peter Tarver (Enphase Energy)

Discussion topics

1. Attendance/Introductions

The minutes from the last meeting were approved as submitted

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

2. New business

None

3. Revisions to 60950-22 standards – Enclosure ratings

Don Gies gave a presentation on how several types of metals used on outdoor telecommunications equipment is exempted from requiring corrosion testing by UL50E/CSA C22.2 No. 94.2-07 and by NEMA 250, yet IEC 60950-22 gives no such exemption.

Joe Randolph suggested that we summarize IEC 60950-22, Clause 8.3, as to what is “corrosion.”

4. IEC Activity

Some recent activity regarding IEC 62368-1 and a new standard IEC 62638, “Safety tests after service, repair or modification,” forwarded to the group by Mick Maytum was discussed.

4. Low-Voltage DC Powering (380 V dc)

It was suggested that because of historical core competence in powering network equipment with DC power, because outdoor wireless telecom equipment has potential for connection to green generation technologies such as wind and PV, and because major network providers are requesting more power efficiency, it is likely that the telecom industry will see 380V dc powered equipment sooner than most other industries.

7. SmartGrid issues

Nothing New

8. Additional agenda items

It was requested that discussion of tracer wires on optical fibers be added to the agenda for the July 2011 meeting.

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In the RUS document, the tracer wire running in a fiber cable was originally required to be grounded at the ONT, but now can be optionally disconnected. Installers would like to have the option of locating the ONT anywhere on the building, and not have to drive a ground rod. NEC Article 840 says that grounding shall be as required by the listing. Otherwise article NEC 770 indicates that the grounding of fiber optic tracer wires is similar to that for coax.

The issue is whether to ground the tracer wire. There is no definitive guidance at this point. If the wire is grounded at the house, then a lightning surge can be injected into the house ground, which could cause problems. If the wire is left floating there may be a flash-over problem. We need input from committee members who are involved with optical systems.

Telcordia had given a response to Al Martin.

Next meeting – Wednesday, 27 July 2011.

Respectfully submitted,

Don Gies  
Co-Chairman

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Guest: Jack Burns, Dell, IEEE PSES, VP Technical Activities

Chair: Peter Tarver  
Vice Chair: Don Gies

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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)

Other LinkedIn members:

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