

## IEEE Product Safety Engineering Society

IEEE PSES TSTC

Meeting Minutes: 25 July 2012

Members present: Don Gies (Alcatel-Lucent), Peter Lim (Alpha Technology), Paul Ng (GE Energy), Joe Randolph (Randolph Telecom), Gary Schrempp (Dell), Anne Venetta-Richard (Alcatel-Lucent), Peter Tarver (Enphase Energy).

Members absent: Tim Ardley (Adtran), Philip Havens (Littelfuse), Doug Parker (Adtran), Dan Roman (Dialogic), Tom Smith (TJS Technical Services Inc), Steve Zugay (Cree), Al Martin (TE Connectivity), Mick Maytum, Jim Wiese (Adtran).

### 1. Attendance/Introductions

Attendees introduced themselves.

### 2. Previous meeting minutes were distributed for comment

The minutes from the last meeting were approved as submitted

### 3. New business

None

### 4. Discussion – AC Power Cross Considerations for Non-Telecom Signaling Lines (e.g. Ethernet, Alarms) Run in Outside Plant

Joe Randolph: All of UL 60950-1, Section 6 refers to telecommunication networks. Ethernet is SELV, and thus Section 6 should not apply.

Don Gies: Went through the overvoltage flowchart found in UL 60950-1, Figure 6C to demonstrate how an outside-plant alarm lead, if determined to need overvoltage protection, could be evaluated.

Joe Randolph: L1 tests would not be applicable to Ethernet (author's note: because of no ground reference at transformers)

Peter Tarver: Mentioned that for TNV-1, magnet wire alone would not be acceptable without 100% production line testing. Also, bifilar transformers likely used.

Gary Schrempp: Asked if there is any field data to show that there is a safety hazard.

Peter Tarver: Replied that Jim Wiese brought up that some equipment came back burnt after being deployed to outside plant.

Joe Randolph/Peter Tarver: The rationale for the 120 V ac/25 A test is that electrical conductors protected by 20-A overcurrent protection can be buried next to the telecommunication lines.

### 5. Lightning-Induced GPR – A. Martin. No discussion.

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6. IEC TC108 National Committee Activity – D. Gies, T. Smith. No discussion.
7. ATIS/Telcordia Activity. No discussion.
8. IEC 62368-1 – Impact on Telecom Industry. No discussion.
9. Additional agenda items: None.

**Next meeting: Wednesday, 22 August 2012**

Respectfully submitted,

Don Gies  
Vice Chairman

Participant	Employer	Telephone	E-mail	IEEE Member?	PSES Member?	Linkedin Subgroup	Other Committee
Tim Ardley	Adtran		tim.ardley@adtran.com				
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Steve Zugay	Cree	+1-919-850-6219	szugay@bellsouth.net			X	

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)

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Jeff Whitmire (Manager, Regulatory Compliance at Adtran)

**Telecommunications Technical Activities Committee Roster**