IEEE Product Safety Engineering Society
IEEE PSES TSTC
Meeting Minutes: 23 January 2012

Members present: Tim Ardley (Adtran), Don Gies (Alcatel-Lucent), Peter Lim (Alpha Technology), Al Martin (TE Connectivity), Dan Roman (Dialogic), Joe Randolph (Randolph Telecom), Peter Tarver (Enphase Energy), Jim Wiese (Adtran)

Members absent: Philip Havens (Littelfuse), Mick Maytum, Paul Ng (GE Energy), Gary Schrempp (Dell), Tom Smith (TJS Technical Services Inc), Steve Zugay (Cree),

1. Attendance/Introductions

The minutes from the last meeting were approved as submitted

Meeting attendance was recorded. Tim Ardley (Adtran) is a new member. He will be added to the exploder and the membership list.

2. New business

Jim Wiese: Century/Quest will not participate in ATIS NEP-STEP any longer. Vice chair has changed – now Ken Biholar of Alcatel-Lucent.

Discussed upcoming conference presentations. Al gave a brief outline of his PEG paper on lightning. A discussion of lightning damage to equipment ensued. Joe Randolph discussed some of his activities with lightning. Don is thinking of doing a paper on lightning protection - standards and safety.

A new draft of IEC 62368-1, Second Edition has been released

3. New Telcordia GR-3171-CORE, Issue 1, Generic Requirements for Network Elements Used in Wireless Networks Physical Layer Criteria

Nothing new - meeting keeps getting postponed.

4. Revisions to 60950-22 standards

Don has joined the US TAG for TC108. Nothing to report yet.

5. Old Business

RFT circuits - revisions to 60950 standards

About a month ago Phil Havens said -21 was open for comment. An ATIS NEP-STEP committee proposal was forwarded to UL. UL didn’t accept the proposal as submitted, because it wasn’t officially submitted by ATIS, and also because they weren’t a member of the 60950 SDP. Phil Havens then resubmitted the comments, because he was a member of the SDP. Proposals not accepted. Phil will resubmit the comments in a different form. Phil’s was the only negative vote.

1. Wiring simulators used in power cross testing
   Nothing new

2. Grounding requirements for tracer wire in outdoor optical fiber cable
   Nothing new
3  380 V DC power systems
   Nothing new

4  SmartGrid issues
   Discussed solar panels. Peter Tarver: If under 50 V, don’t need to be grounded. If there is a
   ground, then need a grounding electrode for every panel. Joe Randolph wondered how solar systems
   were protected from lightning. Peter – only the frames are grounded.

6. Next Meeting


Respectfully submitted,

Al Martin
Secretary
<table>
<thead>
<tr>
<th>Participant</th>
<th>Employer</th>
<th>Telephone</th>
<th>E-mail</th>
<th>IEEE Member?</th>
<th>PSES Member?</th>
<th>Linkedin Subgroup</th>
<th>Other Committee</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tim Ardley</td>
<td>Adtran</td>
<td>+1-321-254-8118</td>
<td><a href="mailto:tim.ardley@adtran.com">tim.ardley@adtran.com</a></td>
<td>X</td>
<td>X</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>James Bress</td>
<td>AST Technology Labs</td>
<td>+1-908-582-5978</td>
<td><a href="mailto:jrbress@asttechlabs.com">jrbress@asttechlabs.com</a></td>
<td>X</td>
<td>X</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>Don Gies</td>
<td>Alcatel-Lucent</td>
<td>+1-214-450-9658</td>
<td><a href="mailto:dhavens@littelfuse.com">dhavens@littelfuse.com</a></td>
<td>X</td>
<td>X</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>Peter Lim</td>
<td>Alpha Technologies</td>
<td>+1-604-638-8687</td>
<td><a href="mailto:peter.lim@alpha.ca">peter.lim@alpha.ca</a></td>
<td>X</td>
<td>X</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>Carl Linquist</td>
<td>Retired</td>
<td></td>
<td><a href="mailto:fuseman@attglobal.net">fuseman@attglobal.net</a></td>
<td>X</td>
<td>X</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Al Martin</td>
<td>Tyco Electronics</td>
<td>+1-650-361-5822</td>
<td><a href="mailto:amartin@tycoelectronics.com">amartin@tycoelectronics.com</a></td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>2,3,4,5,7</td>
</tr>
<tr>
<td>Mick Maytum</td>
<td>Retired</td>
<td>+44-1234-838589</td>
<td><a href="mailto:m.j.maytum@ieee.org">m.j.maytum@ieee.org</a></td>
<td>X</td>
<td>X</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>Paul Ng</td>
<td>Lineage Power</td>
<td>+1-972-244-9492</td>
<td><a href="mailto:paul.s.ng@ge.com">paul.s.ng@ge.com</a></td>
<td>X</td>
<td>X</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>Joe Randolph</td>
<td>Randolph Telecom</td>
<td>+1-781-721-2848</td>
<td><a href="mailto:jpr@randolph-telecom.com">jpr@randolph-telecom.com</a></td>
<td>X</td>
<td>X</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>Dan Roman</td>
<td>Dialogic</td>
<td>+1-973-967-6485</td>
<td><a href="mailto:dan.roman@ieee.org">dan.roman@ieee.org</a></td>
<td>X</td>
<td>X</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>Gary Schrempp</td>
<td>Dell</td>
<td>+1-512-724-3757</td>
<td><a href="mailto:gary_schrempp@dell.com">gary_schrempp@dell.com</a></td>
<td>X</td>
<td>X</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>John Shinn</td>
<td>Retired</td>
<td></td>
<td><a href="mailto:jmshinn@pacbell.net">jmshinn@pacbell.net</a></td>
<td>X</td>
<td>X</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>Tom Smith</td>
<td>TJS Technical Services</td>
<td>+1-403-612-6664</td>
<td><a href="mailto:tsmith@tjstechnical.com">tsmith@tjstechnical.com</a></td>
<td>X</td>
<td>X</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>Peter Tarver</td>
<td>Enphase Energy</td>
<td>+1-707-763-4784</td>
<td><a href="mailto:ptarver@enphaseenergy.com">ptarver@enphaseenergy.com</a></td>
<td>X</td>
<td>X</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>Tailey Tung</td>
<td>Network Equipment Technologies</td>
<td>+1-510-574-2385</td>
<td><a href="mailto:tailey_tung@net.com">tailey_tung@net.com</a></td>
<td>X</td>
<td>X</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>Jim Wiese</td>
<td>Adtran</td>
<td>+1-256-963-8431</td>
<td><a href="mailto:jim.wiese@adtran.com">jim.wiese@adtran.com</a></td>
<td>X</td>
<td>X</td>
<td>2,4</td>
<td></td>
</tr>
<tr>
<td>Steve Zugay</td>
<td></td>
<td>+1-919-850-6219</td>
<td><a href="mailto:Steve_Zugay@cree.com">Steve_Zugay@cree.com</a></td>
<td>X</td>
<td>X</td>
<td>X</td>
<td></td>
</tr>
</tbody>
</table>

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:
IEEE Product Safety Engineering Society
hifi cha, China (Independent Consumer Electronics Professional)
Jeff Whitmire (Manager, Regulatory Compliance at Adtran)