<u>Approved by General Counsel</u>

TR-51 Meeting Report

Date(s): 11/16/2012 - 11/16/2012

Location: San Antonio, Texas

Approved: 01/07/2013

MEETING REPORT
TIA TR-51 Smart Utility Networks
Friday, November 16, 2012

Grand Hyatt San Antonio
San Antonio, TX

Chair: Michael Lynch, MJ Lynch & Associates

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1.   **Call to Order**

The meeting was called to order by Michael Lynch, at 8:05 AM, on November 16, 2012.

John Notor, Smart Utility Network Alliance, is the Secretary for TR-51.

2.   **Attendee Introductions and E-Sign-In**

The attendees in the room and on the call introduced themselves. They were directed to use the e-roster systems to sign-in to the meeting.

Remote participants used the GoToMeeting service made available for this purpose**.**

See Annex A for the list of attendees to this meeting.

Quorum was established with 8 of 10 member companies present.

3.   **Chairs remarks**

The Chair offered brief opening remarks.

4.   **Intellectual Property Rights**

The attendees were directed to note the IPR statement on the agenda and requested to make it known if there are any patents related to the work of the committee.

5.   **Review and Approve Agenda**

The agenda, TR51-20121116-002_Meeting_Agenda.doc, was reviewed, edited, and approved without objection.

6. **Review and Approve September 14, 2012, Meeting Report**

The September 14, 2012, Meeting Report was reviewed and approved.

7. **Technical Contributions – Layer 1**

Phil Beecher reported on the L1 copyright issues. The recommendation is that L1 be edited to show content from 802.15.4g by reference rather than repeating the text from 15.4g in the L1 specification.

The upshot is that the IPR issues drive this approach.

Kunal Shah has volunteered to redraft L1 using the newly agreed to approach.

The document, when complete, will be reviewed and approved for re-balloting at a future conference call.

8. **Technical Contributions – Layer 2**

The final document, ANSI/TIA-4957.200, will be published on December 27, 2012, by ANSI.

Jeff Hannah took the action to investigate the details of publishing L2 as an ISO standard .

9. **Technical Contributions – MHDS**

Jeff Hannah reported that the ballot for ANSI/TIA-4957.210 resulted in 11 votes returned, 3 voted yes with comments, the rest voted yes.

Phil Beecher reported on the status of comment resolution. 86 comments were received. Larry and Phil proposed resolutions and spoke with each commenter about the proposed resolutions.

The comments and resolutions are posted and the updated draft is posted, both in the ftp directory for this meeting.

Motion: To approve for publication ANSI_TIA-PN-4957.210_Multi-Hop Layer 2_Sub-Layer_Specificiation_D2_1v0 Final.

Moved: Beecher Communications Consultants
Second: Silver Spring Networks
Discussion: None
Vote: 8 **Yes** 0 **No** 0 **Abstain**

Motion Passed

10. **Technical Contributions – Layer 3**

The voting results for the Layer 3 specification, ANSI/TIA-4957.300, were 9 approve, 1 approve with comments, 1 abstain. The group reviewed the comments and comment resolutions and the group agreed that the comments were resolved and were editorial only.

The following motion was made:

Motion: To approve for publication ANSI_TIA-PN-4957.300_Network-Layer_Specificiation_D2_1v0 Final**.**

Moved: Smart Utility Network Alliance
Second: Blind Creek Associates
Discussion: None
Vote: 8 **Yes** 0 **No** 0**Abstain**
Motion Passed

11. **Technical Contributions – Layer 4**

The voting results for the Layer 4 specification, ANSI/TIA-4957.400, were 9 approve, 1 approve with comments, 1 abstain. The group reviewed the comments and comment resolutions and the group agreed that the comments were resolved and were editorial only.

Motion: To approve for publication ANSI_TIA_PN4957.400_Transport-Layer_Specificiation_D2_1v0 Final.

Moved: Silver Spring Networks
Second: Analog Devices, Inc.
Discussion: None
Vote: 8 **Yes** 0 **No** 0**Abstain**
Motion Passed/Failed

12. **Architecture Draft Status**

There has been no progress since the last meeting. There was discussion about the fact that the architecture draft needs to wait for the completion of L1, but it would be good to go to publication at the same time as the L1 specification. When published, the architecture document will become part of the standard. There was a conversation about how to handle the document.

13. Liaisons

Phil Beecher, Beecher Communications Consultants Ltd., provided an update to OpenSG and NIST SGIP activities.

Octavio Lima reported on TR-50 activities.

No updates from ARIB.

14. Other Business

The Chair moved to the question of meeting schedules. The first course of business is to establish a teleconference meeting for December 18, 2012 at 9 AM CST to review L1 and determine if it is ready for ballot.

The next face to face meeting is going to be at the Hyatt Regency, Vancouver B.C., Canada, on January 18, 2013 at 9 AM PST.

The following face to face meeting is going to be at the Caribe Royale, Orlando, FL, on March 22, 2013 at 9 AM EST.

Jeff Hannah reported that TIA 2013 will be held October 8-10, 2013, at the new TIA offices in Arlington, VA. Jeff requested that as many committee members attend as possible.

Jeff reported that TR-34 has been working with NIST on satellite communications. Jeff also reported TR-41 has been working on surge protection in homes.

15. Adjournment

There being no further business, the meeting was adjourned at 10:05 AM.

This meeting was conducted in accordance with the TIA Engineering Manual and Legal Guide.

Submitted by
John Notor, Smart Utility Network Alliance
TR-51 Secretary

ANNEX A

Attendees to the TR-51 November 16, 2012 Meeting:

Attendee	Company / Representing
Kent, Jeritt	C: Analog Devices, Inc.
Beecher, Phil	C: Beecher Communications Consultants Ltd
Rolfe, Benjamin	C: Blind Creek Associates
Harada, Hiroshi	C: NICT
Shah, Kunal	C: Silver Spring Networks
Herbst, Tom	C: Silver Spring Networks
Notor, John	C: Smart Utility Network Alliance
Hannah, Jeff	C: TIA
Kojima, Fumihide	C: NICT
Mulligan, Geoff	C: Proto6 LLC
Sum, Chin Sean	C: NICT
Lynch, Michael	C: MJ Lynch & Associates, LLC
Lima, Octavio	C: Ericsson