

Approved by General Counsel

TR-51 Meeting Report

Date(s): 11/15/2013 - 11/15/2013

Location: Hyatt Regency, Dallas, Texas

Approved: 11/20/2013



MEETING REPORT
TIA TR-51 Smart Utility Networks
Friday November 15, 2013
Meeting at the Hyatt Regency, Dallas, TX

Chair: Michael Lynch, MJ Lynch & Associates

1. Call to Order

The meeting was called to order by Michael Lynch, at 8:31 AM CET, on November 15, 2013.

John Notor, Notor Research, is the Secretary for TR-51.

2. Attendee Introductions and E-Sign-In

The attendees 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 10 of 11 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, TR51-20131115-002_agenda_r2.doc, was reviewed and approved without objection.

6. Review and Approve the October 2, 2013 Meeting Report

The October 2, 2013 Meeting Report, TR51-20131002-003r1, was reviewed and approved.

7. Status of ISO Acceptance of the 4957 series

Jeff Hannah reported the status of this process. No updates on the process as yet. Need more input from liaison to ISO. Jeff was asked to send the Chair a link to the 4957 series documents for forwarding to James Gilb of 802.24. ETSI should notify TIA of any actions taken with respect to Smart Grid specification issues.

8. Submission of 4957 Series to SGIP2?

Jeff Hannah reported that we had sent the TR-51 Power Point to PAP2. The presentation was circulated and has generated increased interest in the series. Jeff is working with them to get access to the standard and they are moving to add the standard to the catalog. The person in PAP2 process heading up this effort is Bob Hagar, with ANSI, along with Marissa Peacock.

As of November 11, Bob Hagar has access to the standard via a TIA portal.

With respect to the SGIP Wireless Matrix, that task should still be completed. Ben Rolfe is the key person to update the Matrix.

It was suggested that Paul Nikolich and Herb Congdon have an introductory call.

9. Planned revisions to 4957 Series

Larry Taylor presented an overview of the ETSI TS 102 887-2 Security Enhancement. The work was done as part of the Smart Metering set of standards created by ETSI. The work is based on 802.15.4g, and 802.15.4e, as well as ANSI/TIA 4957.200. The ETSI standard addresses the short fall is the security at the MAC layer in ANSI/TIA 4957. Larry's presentation is TR51-20131115-005.

Larry took questions regarding the presentation from several attendees, and explained the details.

Larry pointed out that this approach plugs the hole in TR-51 with respect to security at the MAC layer. Industry feedback has led to the need to step up to security in this way. There was considerable discussion about the decision history that left security out of the MAC layer in 4957.200.

Larry suggested that we need to figure out how to bring this ETSI standard into TR-51. Jeff Hannah reported that TR-51 has an MOU with ETSI that will enable TR-51 to include text from the ETSI standard. ETSI used material from 4957 by reference. There was discussion about how to proceed in the future with ETSI. The relationship with IEEE 802.15 is established by precedent, but would need to be refreshed to enable including 802.15.4 material by reference as was done for the 802.15.4 PHY material in 4957.

There were questions about other linkage that need to be reviewed, for instance the EU and NIST. There were comments by others in the meeting with regard to any NIST documents related to Smart Grid security.

The Committee took a 15 minute break at 9:45 AM and reconvened at 10:03 AM. The Chair turned the meeting over to Tom Herbst.

Tom Herbst reviewed the plans for revising ANSI/TIA 4957. Tom reported feedback from Industry with respect to including parts of 802.15.4, more specifically MAC capabilities, in 4957 and vice versa. 802.15.4 is in the process of including a frame ID for TR-51, and revised the frame format for 15.4 to include additional frame expansion capabilities. This is included in the plans for the current revision roll-up of 802.15.4.

Tom points out that these harmonizations support coexistence between devices operating under the different standards.

There was discussion about improving the visibility of the relationship between ETSI and TIA. Jeff Hannah suggested the best way to do this. Larry Taylor took the action to draft the liaison letter to ETSI with Michael Lynch's help.

Tom went on to point out the other thing that needs to be addressed is a list of errata developed in implementing ANSI/TIA 4957.200. Larry Taylor has been keeping a list of these. Ben Rolfe requested that others who had any errata send their lists to Larry.

Tom Herbst talked about plans looking forward. There is a need to circulate the errata list. The secretary suggested that Larry send him the list and it could be posted on the TR-51 ftp site.

There was general discussion of meetings, with an emphasis on virtual meetings. We can schedule 2014 meetings at the January IEEE 802 Interim meeting.

It was suggested that Ben Rolfe take on the role of liaison with IEEE 802, in particular, IEEE 802.15. There was consensus on this issue, after checking with Jeff Hannah, and the group agreed to this change.

10. Liaison Reports

The following reports were given verbally.

Tom Herbst reported on the general health of SGIP2, the meeting was relatively well attendance, still a lot of NIST financial support, but entering in a critical period with respect to renewals of membership at the end of the year.

SGIP2 outputs continue to be frameworks, including catalog of standards, and harmonizing inputs between various SDOs. The reviews of what's being accomplished are mixed. Tom explained the uses for the catalog of standards that have appeared in the market place, for instance in Request for Proposals. Tom reports that there has been an issue with SGIP2 regarding IEEE 802 and other SDOs with respect to what parties or entities voting members represent, i.e.,

their company or IEEE 802 or another SDO. Part of this has to do with membership dues, but also representation. The issue is complicated, and needs to be resolved.

Octavio Lima reported that there is no technical work being done in TR-50. Octavio agreed to be liaison to OneM2M.

Octavio reported on OneM2M, especially reporting that there have been delays in completing the specifications.

There is no update for ARIB.

Larry Taylor reported on ETSI. The main work is related to spectrum allocation for the 870-876 MHz band, and the 915-921 MHz band. There is work in process for a harmonized standard in the 870-876 band in ETSI.

Larry answered questions about schedule and the differences between the two bands, and the allocation details.

The question about adding these bands to ANSI/TIA 4957.100 was raised, the expectation is that revisions of 4957.100 would need to be made to add these bands in the future.

Larry was asked about TV White Space work in ETSI. Generally, the progress won't be rapid for standardization of TV White Space in the EU.

11. Any Other Business

The Chair proposed a face to face meeting on January 24, 2014, at the Hyatt Regency Century Plaza, in Los Angeles, CA. The meeting plan was accepted by unanimous consent.

The meeting agenda for LA is to include a separate agenda item for scheduling meetings.

12. Adjourn

There being no further business, the meeting was adjourned at 11:03 AM CET.

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

Submitted by
John Notor, Notor Research
TR-51 Secretary

ANNEX A

Attendees to the TR-51 November 13, 2013 Meeting

Attendee	Company / Representing
Notor, John	C: Notor Research
Hannah, Jeff	C: TIA
Taylor, Larry	C: DTC
Shah, Kunal	C: Silver Spring Networks
Lynch, Michael	C: MJ Lynch & Associates, LLC
Ramasastry, Jay	C: Silver Spring Networks
Rolfe, Ben	C: Blind Creek
Kent, Jeritt	C: ADI
Kojima, Fumihide	C: NICT
Seibert, Cristina	C: Silver Spring Networks
Beecher, Phil	C: Beecher Communications
Steubing, Gary	C: Cisco
Lima, Octavio	C: Ericsson
Herbst, Tom	C: Silver Spring Networks