<u>Approved by General Counsel</u>

TR-51 Meeting Report

Date(s): 11/10/2017 - 11/10/2017

Location: Orlando, FL

Approved: 01/11/2018

TR51-20171110-000r0

Meeting Report
TR-51 Smart Utility Networks

Friday November 10, 2017
8 AM to 12 AM Eastern Time
Face to Face Meeting at the Caribe Royale Orlando, Florida

Presiding:
Michael J. Lynch, Chair, MJ Lynch & Associates, LLC
Kunal Shah, Silver Spring Networks, Secretary

Contributions to this meeting are posted at: http://ftp.tiaonline.org/TR-51/TR-51_MAIN/Working/20171010_Orlando/

1 Call to order

The meeting was called to order at 8:06 AM Eastern Time.

The Chair welcomed participants and the Secretary announced the sign in code "1577".

2 Attendance

The Secretary took attendance by roll call. A quorum was present, 5 of 6 voters in attendance. The Chair returned to the formal agenda at this point. For a list of attendees, see ANNEX A.

3 Notice of Participation

The attendees were reminded to review the notice of participation. The members present agreed to abide by the terms of the Notice.

Participation in, or attendance at, any activity of a TIA Formulating Group or any sub-element thereof, constitutes acceptance of and agreement to be bound by all provisions of TIA Standards Development Procedures and permission that all communications and statements, oral or written, or other information disclosed or presented, and any translation or derivative thereof, may without compensation, and to the extent such participant or attendee may legally and freely grant such copyright rights, be distributed, published, and posted on TIA's web site, in whole or in part, on a non-exclusive basis by TIA or TIA's licensees or assignees, or as TIA directs. Exceptions to the foregoing may be granted or permitted in writing to the Chair of the Formulating Group by the head of the TIA Standards Department on a case-by-case basis.

4 Intellectual property rights

The Chair reminded the participants about the TIA IPR statement, as found in the TIA Standards Development Procedures.

TIA's Intellectual Property Rights Policy can be found in Statements of Policy (ANNEX C) and other clauses and annexes of TIA Standards Development Procedures. Participants in the work of the TIA Formulating Groups are urged to review the appropriate sections. Individual participants are encouraged to notify TIA of any patent(s) or published pending patent application(s) of which they are aware that may be essential to the practice of a proposed TIA Publication, including requirements introduced through normative references, early on in the development to reduce the possibility for delays in the development process and increase the likelihood that the proposed TIA Publication will become a Standard. However, a Patent Holder who has provided TIA with a TIA Patent Holder Statement with respect to the applicable proposed TIA Publication need not (but may elect to) identify its specific patent(s) or published pending patent application(s) that may be essential to the practice of the proposed TIA Publication in question. Patent searches are not required to comply with the TIA Intellectual Property Rights Policy.

Participants in the work of the TR-51 were urged to review this policy. Participants were encouraged to notify TIA of any patents of which they are aware that are related to the practice of TIA publication early

in the development of the TIA document to reduce the possibility for delays in the development process and increase the likelihood that the draft TIA publication will be approved for publication.

The Chair asked if any participant was aware of new patents, the use of which might be essential to any documents being considered by TR-51.

There were no patents identified or disclosed.

5   Chair's Remarks

The Chair made a few brief opening reports before moving on with the agenda.

6   Meeting Agenda Review and Approval

The agenda for this meeting "TR51-20171110-000_Agenda_Caribe_Royale_Orlando_r1" was reviewed and approved.

7   Meeting Report Review and Approval

The meeting report from September 15, 2017, was reviewed.

There is an editorial comment on the time zone specified in the meeting report.

Kunal would revise the meeting report with the updated time zone.

No objection heard on approving the meeting report "TR51-20170915-000_Sep_15_2017_meeting_report_r1".

8   Old Business

There were no old business items to discuss.

9   New Business

a)   **Discussion on new revision projects for 4957–000b, 4957-100b, 4957-200b, 4957-210b, 4957-300b, 4957-400b and 4957–500a**

Kunal Shah (secretary) provides an update on the project request that has been made to TIA for approval of ANSI/TIA PN4957 revision projects, which includes the following,
4957–000b, 4957-100b, 4957-200b, 4957-210b, 4957-300b, 4957-400b and 4957–500a

Kunal Shah mentions that all the project requests as part of the ANSI/TIA PN4957 revision projects have been approved by TIA.

b)   **Updates on revised drafts**

Don Sturek provides an update on the WG3 work plan status.

The contribution is uploaded on ftp server as,
http://ftp.tiaonline.org/TR-51/TR-51_MAIN/Working/20171010_Orlando/20171110-Wi-SUN-FAN-TIA-TR51-WG3-Status-Orlando.pptm

c) c. TIA update – Marianna

Marianna provides an update on the market requirements, including the Indian market and marketing campaign.

Marianna also provides an update on the style guide and mentioned that TIA is actively looking to have a technical editor to help TIA with working groups.

She mentioned to have a press release on the new TR-51 revision projects.

Marianna mentions about the merger with Quest quorum and would provide more details in a slide deck. She mentions about various programs that are being added as part of the merger and TR-51 committee can take benefits of those programs.

There is a discussion on how TIA can help with the certification of the new revision projects. Marianna mentions that TIA is currently working on the certification on one M2M management solution.

10 Liaisons

a) Wi-SUN Alliance
NO updates.

b) ITU-R
Mike provides an update on ITU-R activities. He mentioned about the current activities for 60GHz spectrum at radio conference.

c) Other Liaisons
Marianna asks the committee to have a liaison with TAG on smart cities. There is a comment that it would be helpful for TR-51 committee to understand the activities as part of the TAG.

11 2017/2018 Meeting Schedule
The group reviewed the meeting schedule for 2017.

Below is the meeting schedule for TR-51 discussed:

    a. 1/19/2018 - Irvine, CA
    b. 3/9/2018 - Rosemont, IL
    c. 7/13/2018 - San Diego, CA
    d. 9/14/2018 - Kona, HI

The Chair will call teleconference meetings as necessary.

TR51-20171110-000r0

12   Any Other Business

No other business heard.

13   Adjourn

The meeting was adjourned at 9.30 AM Eastern Time.

This meeting was conducted in accordance with the TIA Legal Guides and the engineering procedures.

Submitted by

Kunal Shah, Silver Spring Networks

ANNEX A: List of Attendees

Attendee	Company / Representing
Lynch, Michael	C: MJ Lynch & Associates, LLC
Sturek, Don	C: Silver Spring Networks
Shah, Kunal	C: Silver Spring Networks
Kramarikova, Marianna	C: Wi-SUN Alliance
Lima, Octavio	C: SUNA
Dan Harris	C: MetroTech
Bob Heile	C: Wi-SUN Alliance