

**Approved by General Counsel**

TR-51 Meeting Report

Date(s): 01/22/2016 - 01/22/2016

Location: Atlanta, GA

Approved: 06/15/2016



# Meeting Report

## TR-51 Smart Utility Networks

Friday January 22, 2016  
 8 AM to 12 AM Eastern Time  
 Face to Face Meeting at the Hyatt Regency Atlanta, Atlanta GA

Presiding:  
 Michael J. Lynch, Chair, MJ Lynch & Associates, LLC  
 John Notor, Notor Research, Secretary

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Contributions to this meeting are posted at: [http://ftp.tiaonline.org/TR-51/TR-51\\_MAIN/Working/20160122\\_Atlanta\\_GA](http://ftp.tiaonline.org/TR-51/TR-51_MAIN/Working/20160122_Atlanta_GA)

### 1 Call to order

The meeting was called to order at 8:08 AM Eastern Time.

The Chair welcomed participants and the Secretary announced the sign in code “8664”.

### 2 Attendance

The Secretary took attendance by roll call. A quorum was present, 6 of 7 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 was reviewed and approved.

## **7 Meeting Report Review and Approval**

The meeting report from November 13, 2015, was reviewed and approved.

## **8 Old Business**

There were no old business items to discuss.

## **9 New Business**

### **9.1 Planned Revisions to 4957 Series Standard**

Don Sturek presented the contribution 20160122-Wi-SUN-FAN-TIA-TR51-WG3-Status-Atlanta, and reviewed the state of ANSI\_TIA\_PN4957.000a\_Overview\_0v01.docx, and, with Marianna Kramarikova, reviewed the modifications proposed for the document, which are shown in ANSI\_TIA\_PN4957.000a\_Overview\_0v01\_MK.DOCX.

The discussion included concerns that the original MS Word™ versions of the published standards may have been lost in the TIA archives. John Notor offered, which was accepted, to post the pre-publication drafts to the TR-51 ftp site to help recreate the originals, which did not include the 4957.000 standard. Kunal Shah agreed to provide the 4957.000 file. Phil Beecher reported that the original MS Visio™ artwork was missing as well. Don Sturek noted that Chin Sean Sum is providing editorial support for the updates to the 4957 series of standards.

After discussion, the group decided to create a new volume, 4957.500, Security, which will contain most of the security specifications and implementation information. The following motion was made and voted on.

**Motion: To open ANSI project 4957.500, Security, which will focus on authentication, key establishment and provisioning of data link keys within the 4957 series of standards.**

**Move Silver Spring Networks**

**Second Wi-SUN Alliance**

**Discussion**

**Vote: 5 Y, 0 N, 0 A**

**Passed**



## 9.2 Notes on activity of TR-51 Working Group 3: Network Layer;

- Appointed chair is Mr. Don Sturek, Silver Spring Networks, Inc.
- Current volunteers on the WG3:
  - Don Sturek – Silver Spring Networks
  - Kunal Shaw – Silver Spring Networks
  - Phil Beecher – Wi-SUN Alliance
  - Sum Chin Sean – Wi-SUN Alliance
- Action Item for Marianna: create the WG on the public website and draft a press release ‘call for interested stakeholders to join WG’ and submit for a review by the TR-51 Chair.

## 9.3 TIA Update

Marianna Kramarikova gave a brief update on TIA activities.

Marketing outreach:

- Presentations at industry panels – status:
  - Distributed 2016 panels closed – TIA to pursue a panel in 2017
  - UTC Telecom 2016 panels closed -TIA to pursue a panel in 2017
  - TIA 2016 committee submitted a panel proposal “Securing the Smart Grid and U.S. Infrastructure” for TIA’s annual conference.
    - The panel will take place on Tuesday June 7, 2016
    - Panelists identified were Phil Beecher and Bob Hailey.
    - Action item for the panelists: create and submit panel presentation to TIA.
  - TIA offered TIA NOW studio and online training webinars to market the TR-51 revision series
  - TIA offered TIA NOW studio to promote the liaison agreement signed for Wi-SUN representative Phil Beecher and TR-51 chair Mike Lynch

Other news:

- TIA ECOP was updated and approved on July 7, 2015. It is posted at URL: <http://www.tiaonline.org/standards/manuals-ipr/tia-engineering-manual>
- TIA has released the Strategic Plan which defines:
  1. Vision: “To catalyze a connected world in which technology and innovation enable a better life for every person.”
  2. Mission: “By leading the industry, TIA operates at the intersection of vision and reality to accelerate our members’ business growth through policy, technology, innovation enablement, and business connections.”
  3. 3 Year Goal of Technology and Standards department: “Drive the creation and adoption of cutting-edge technology and standards through tough leadership and collaboration.”



- Late December 2015, TIA had a productive call with Dr. Rangam Subramaniam, Technology and Spectrum Policy Strategist at National Telecommunications and Information Administration (NTIA). Marianna provided a brief overview of NTIA and Dr. Rangam's division of spectrum planning. There is an interest to work together and possibly present together at TIA-2016.

Dr. Rangam brought to TIA's attention the FCC workshop on Model City which took place on April 15th, 2015. Recording of the event can be found [HERE](#). Wireless Innovation Forum was also brought to TR-51's attention. The Forum develops standards for 2.5 GHz and it was recommended we could initiate discussion on how to create new business model. More information available at this [link](#).

## 10 Liaisons

### 10.1 Wi-SUN Alliance

Phil Beecher reported that Wi-SUN was continuing interop events and updating the Wi-SUN specification to address issues revealed by the testing. In addition, Wi-SUN is working towards completing the certification process details.

### 10.2 IEEE 802/ITU-R

Mike Lynch reported that he was planning to attend the ITU-R WP 1A meeting in Geneva in June 2016 to support submission of updates to the ITU-R Question 236/1 document created by IEEE 802.

### 10.3 Other?

None.

## 11 2016 Meeting Schedule

The group reviewed the meeting schedule for 2016. The following meetings have been scheduled previously:

1. May 20, 2016, a face to face meeting at the Hilton Waikoloa, Big Island, HI.
2. July 29, 2016, a face to face meeting at the Manchester Grand Hyatt, San Diego, CA
3. November 11, 2016, a face to face meeting at the Grand Hyatt, San Antonio, TX.

Don Sturek indicated that there would need to be a TR-51 teleconference, possibly after the May 20, 2016 meeting, to review draft 4957 series documents, in preparation for balloting all of the drafts at the July 29, 2016 meeting.

## 12 Any Other Business

No other business.

## 13 Adjourn

The meeting was adjourned at 9:32 AM Eastern Time.

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

Submitted by

John Notor, Notor Research



## ANEX A: List of Attendees

<b>Attendee</b>	<b>Company / Representing</b>
Kramarikova, Marianna	C: TIA
Sturek, Don	C: Silver Spring Networks
Shah, Kunal	C: Silver Spring Networks
Lynch, Michael	C: MJ Lynch & Associates, LLC
Heile, Bob	C: Wi-SUN Alliance
Beecher, Phil	C: Wi-SUN Alliance
Kent, Jeritt	C: Analog Devices, Inc.
Lima, Octavio	C: SUNA