<u>Approved by General Counsel</u>

TR-50 Meeting Report

Date(s): 08/01/2012 - 08/02/2012

Location: Calgary

Approved: 08/10/2012

1 **DateTime**: 2012-08-01, convene at 13:00 Eastern

2 **Venue**: Hyatt Regency Calgary, 700 Centre St SW, Calgary, AB T2G 5P6, Canada

3 **Chair**: Peter W Nurse   peter.nurse@sigmadelta.com
4 **Vice-Chair**: Jim Wert   jwert@ilstechnology.com

5 **Important notice of participation**:

6 Participation in, or attendance at, any activity of a TIA Formulating Group or any sub-element thereof, constitutes
7 acceptance of and agreement to be bound by all provisions of the TIA Engineering Manual and permission that all
8 communications and statements, oral or written, or other information disclosed or presented, and any translation or
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11 exclusive basis by TIA or TIA's licensees or assignees, or as TIA directs. Exceptions to the foregoing may be granted
12 or permitted in writing to the Chair of the Formulating Group by the head of TIA's Standards Program on a case-by-
13 case basis.

1)   Call to Order & Opening Remarks

15 The meeting was called to order at 09:00 local on 2012-08-01, noting the confusion regarding different
16 start times on the meeting notice and the agenda. Members joining at 13:00 Eastern were added to the
17 attendance list, and provided with the meeting code.

2)   Early Disclosure Policy [†]   info

19 The Chair reminded the meeting of TIA patent policy per the footnote contained in the meeting notice and
20 agenda. The Chair asked if there was knowledge of patents that may be essential to the standards being
21 considered in the Committee. None were recorded.

3)   Attendee Roll-call and E-Sign-In   info

23 The Chair reminded members of the important notice of participation contained in the meeting notice and
24 agenda. The Chair reminded members to sign-in using TIA Electronic sign-in and the meeting code 3221.

25 The Chair conducted a roll-call and noted the presence of following Members on the quorum list:

26   Alcatel Lucent   Nokia Siemens Networks
27   C J Barber Consulting   Sigma Delta Communications
28   Ericsson   Sprint/Nextel
29   Georgia Tech   Tseng Infoserve
30   ILS Technology

31 The Chair asked if any of those Members present and identified on the quorum list were not organizations
32 in good standing with TIA. Hearing no responses, the Chair declared a quorum present with eight of the
33 twelve quorum members present.

34 The following Members were also present:
35   LG Electronics   Numerex

[†]TIA's patent policy can be found in the TIA Engineering Manual (5th edition). Participants in the work of the TIA
Formulating Group are urged to review this policy. Participants are encouraged to notify TIA of any patents of which
they are aware that are related to the practice of a TIA publication early on 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. Patent searches are not required to comply with the TIA IPR policy.
Moreover, the Engineering Manual describes the need for members' disclosure of patents that are essential to
practice TIA publications and for members to provide an indication of their willingness to license any known patents.

4)　　　Review and Adoption of Agenda　　　　decision

TR50-20120801-001　　　　Chair

- Contributions were numbered as necessary and assigned to agendum per this summary.
- The agenda was adopted as presented.

5)　　　Review and Adoption of Previous Meeting Report(s)　　　　decision

TR50-20120801-002　　　　Chair

- The meeting report was adopted as presented.

6)　　　Incoming Correspondence　　　　discussion

- None received.

7)　　　Liaison Reports　　　　discussion

a)　3GPP2　　　　Orlett Pearson

TR50-20120801-005

- Jane Brownley introduced TR50-20120801-005
- There was short discussion regarding M2M over circuit switched. It was confirmed that a non-negligible number of devices are currently deployed that use circuit switched services. There are also a significant number of M2M services that use SMS.

b)　ETSI　　　　Omar Elloumi

- No report.

c)　CDG　　　　Anil Kripalani

- No report.

d) oneM2M Cheryl Blum

- oneM2M Steering Committee meeting was conducted in Bellevue, July 24/26;
- First meeting of Technical Plenary is in Nice, September 24/28, and a call for leadership nominations for the Technical Plenary will be issued;
- The week of September 24/28 will include the second meeting of the Steering Committee at which the leadership of the Steering Committee will be elected:
    - o Broadband Forum
    - o CDMA Development Group
    - o Continua Health Alliance
    - o GSMA
    - o Home Gateway Initiative
    - o IEEE
    - o ITU
    - o Korea Smart Grid Association
    - o Zigbee Alliance
- The following organizations provided presentations on their work in the M2M space:
- The following provided a list of potential Members of oneM2M:
    - o ETSI: 44 Members;
    - o TTA: 11 Members;
    - o CCSA: verbally, 3 Members.
- An interim meeting of the Steering Committee is planned to finalize the Working Procedures Document;
- Further information will be available shortly from http://www.onem2m.org and ftp://ftp.onem2m.org.
- The Committee authorized the Chair to coordinate with TIA on submission to the first Technical Plenary meeting of oneM2M of TIA-4940-000, TIA-4940-005 and PN-4940-023, PN-4974 (TSB 4940).

8) Review Workplan discussion/decision

TR50-20120801-003

- Per agreement at the last meeting, the work-plan includes a table for each part number;
- The work-plan was updated per action at this meeting.

9) Old Business discussion/decision

a) Creation of Working Groups

i) WG 4 Information Models and Standard Objects

- The Chair asked for volunteers to Chair this Working Group, and no volunteers were forthcoming;
- Jim Wert suggested abandoning parts 101 thru 104 for this revision considering the complexity of the problem and the paucity of input documents to date. The meeting agreed with Jim's suggestion.

ii) WG 6 Conformance and Testing

- The Chair asked for volunteers to Chair this Working Group, and Chuck Bokath volunteered.

b)   Report from WG 1 Requirements and Architecture Mitch Tseng

- The Working Group has not conducted a meeting since the last meeting of the Committee.

i)   Status of PN-4940-005-A, Reference Architecture editor:

- No change from last meeting.

ii)   Status of PN-4940-010, Use Cases editor:

- No change from last meeting.

c)   Report from WG 2 Protocol Aspects Orlett Pearson

- The Working Group has not conducted a meeting since the last meeting of the Committee.

i)   Status of PN-4940-020, Protocol Aspects editor: Orlett Pearson

- No change from last meeting.

ii)   Status of PN-4940-021, Optimizing Access Network Capabilities editor: Orlett Pearson

- No change from last meeting.

iii)   Status of PN-4940-022, Deploying and Securing Applications editor: Chuck Bokath

TR50-20120801-008

- Chuck agreed to abide by the TIA IPR rules, and introduced …008;
- The members agreed with the approach depicted in the visual, and Chuck volunteered to provide material for PN-4940-022 for the next meeting.

iv)   Status of PN-4940-023, Using HTTP family editor: Mihai Voicu

TR50-20120801-006

- Mihai agreed to abide by the TIA IPR rules, and introduced …006 for information;

TR50-20120801-004

- Mihai introduced …004 triggering detailed technical discussion resulting in exchange of ideas, but no specific changes to the document were agreed;
- The document is carried forward for further discussion.

d)   Report from WG 3, Security Aspects Chuck Bokath

TR50-20120801-007

i)   Status of PN-4974, TSB-4940 editor:

TR50-20120801-007

- Chuck agreed to abide by the TIA IPR rules, and introduced …007;
- The Committee conducted a detailed review of the document. Changes were captured in 007R1
- It was agreed to initiate a V&V process on the document with comments due Friday, August 31. The Chair is to distribute a template for comments via the reflector.

e) Report from WG 5 Capabilities Mihai Voicu

i) Status of PN-4940-050, Capabilities editor:

- Noted that baseline was adopted at the San Diego meeting, but no further update at this meeting.

f) Information Models and Standard Objects

i) Status of PN-4940-100, Standard Objects editor:

- No change from last meeting.

ii) Status of PN-4940-101, Switches editor:

- PN to be withdrawn. See agendum 9 a i.

iii) Status of PN-4940-102, Temperature Sensors and Controllers editor:

- PN to be withdrawn. See agendum 9 a i.

iv) Status of PN-4940-103, Pressure Sensors and Controllers editor:

- PN to be withdrawn. See agendum 9 a i.

v) Status of PN-4940-104, Motion Sensors and Controllers editor:

- PN to be withdrawn. See agendum 9 a i.

g) Conformance and Testing discussion/decision

- See agendum 9 a ii.

h) Status of PN-4940-000-A editor: Peter Nurse

- It agreed to adopt the current document on the ftp site as baseline text.

10) Joint Work with ETSI TC M2M discussion/decision

- Agreed to remove this item from the agendum from subsequent agenda considering the activity towards oneM2M.

11) New Business discussion

- None identified.

12) Outgoing Correspondence decision

- The Committee agreed that the Chair should take appropriate action to inform TIA of their decision for submission to the next meeting of oneM2M.

13)   Other Business   discussion

- The Chair solicited further business at this time; none identified.

14)   Next Meeting   discussion/decision

The current meeting schedule is amended as follows:

2012-09-06/07	target Chicago (co-locate with TR-45)
2012-10-30/31	target Boca Raton FL or Arlington VA
2012-12-18	GTM 10:00am Eastern

It was also agreed that a small group would seek to attend the OPC Foundation Annual Technology Summit Meeting to share information regarding the work in TR-50 with members of OPC Foundation. The Committee authorized the Chair to determine the members of the small group depending on discussions with OPC Foundation.

15)   Adjournment

A motion to adjourn was accepted at 17:50 local on 2012-08-02.

The meeting was conducted in accordance with the TIA Legal Guides and the Engineering Manual.

Peter W. Nurse,
Chair, TIA TR-50