# Approved by General Counsel

TR-50 Meeting Report

Date(s): 03/10/2010 - 03/11/2010

Location: Denver, CO

Approved: 04/03/2013

Telecommunication Industry Association
TR-50 Committee - Smart Device Communications
(Draft) Report of Meeting
10-11 March 2010
Grand Hyatt - Denver, CO

**1. Call to Order & Opening Remarks**

The meeting was called to order on 10 March 2010 by the Chair, Jeff Smith (Numerex) at 1:05pm local time.

During the opening remarks contribution TR50-20100412-004, proposed guides for action, was presented. During the discussions that ensued, it was noted:
➢ IEEE is embarking on a similar function to TR-50 and a close working relationship, through a TR-50 sub-committee, may be beneficial.
➢ NIST has also created a Smart Grid group
➢ @ 75 Smart Grid standards have been identified

**2. Important Notice of Participation**

The Secretary informed the meeting attendees of the Important Notice of Participation provided in Note 1 on the meeting agenda.

**3. Attendance Registration & Roll Call**

Meeting attendees signed-in electronically at www.tiaonline.org and attendance was recorded as indicated by the quorum information provided below. Twenty-four (24) out of the forty-six (46) quorum members were present at the meeting (52% participation). Quorum was achieved..

| Quorum Members Present | Quorum Members Absent | Others Present |
|---|---|---|
| Alcatel-Lucent | ANDA Networks | NIST |
| Cisco Systems | Erico | TIA |
| Ericsson | FLO Forum | Allan Angus |
| FAL Associates | Home & Utility Systems | CommFlow Resources |
| Farance Inc | IRG Energy | Axeda |
| HUAWEI | J. Upton Consulting | |
| ILS Technology | Microsoft Corporation | |
| Intel | NAVTEQ | |
| Intercon Systems | OPC Foundation | |
| KORE Telematics, Inc. | Panasonic Corp. of North America | |
| Lantiq | Samsung | |
| LG Electronics | SkyTerra Communications | |
| Mitsubishi Electric | Speecys Pte. ltd. | |
| Motorola Inc. | TaTa Teleservices Ltd. | |
| Numerex | Texas Instruments | |
| Qualcomm | TKstds Management | |

| Quorum Members Present | Quorum Members Absent | Others Present |
|---|---|---|
| Sigma Delta Communications, Inc. | Transcore | |
| Sprint | Underwriters Laboratory Inc | |
| Thales Communications, Inc. | Ulticom | |
| Tyco Electronics | VTech Communications | |
| Verizon | WK3C Wireless LLC | |
| VIA Telecom | | |
| VoCAL | | |
| WirefreeCom, Inc. | | |

**4. Agenda Review & Approval** (TR50-20100310-001)

Contribution TR50-20100310-001r4, the meeting agenda, was presented.

**Motion: To approve the meeting agenda presented in TR50-20100310-001r4.**
Moved: WireFreeCom Inc.
Second: Axeda
**Unanimously approved.**

**5. Early Disclosure Policy**

The Secretary informed the meeting attendees of the TIA Patent Policy, per Note 4 on the meeting agenda. There were no comments from the meeting attendees regarding the early disclosure of patents.

**6. Introduction of Submissions and Contributions and Numbering**

 The following documents were numbered and assigned accordingly.

| TR50-20100310-- | Title | Source | Status | Agenda Item |
|---|---|---|---|---|
| 000r3 | Document Register | TIA | Information | 6 |
| 001r3 | Proposed Agenda | TIA | Decision | 4 |
| 002 | Draft Meeting Report Feb. 4 | TIA | Decision | 7 |
| 003 | TR-50 Working Procedures | Qualcomm | Decision | 9 |
| 004 | Proposed Guides for Action | Numerex | Decision | 1, 8e |
| 005 | Update of M2M Standard Work~~Smart Grids TR 50 comment~~ | ~~TR 45~~Mitch Tseng | ~~Information~~Information | ~~8i~~ |
| 006 | G.hnem project – Architecture and Current status | Lantiq North America | Information | 8j |
| 007 | TR-50 Proposed Meetings Schedule | Numerex | Information | 8a |
| 008 | Smart Grids TR-50 comment | TR-45 | Information | 8i |

**7. Review of Meeting Report from Previous Meetings** (TR50-20100310-002)

Contribution TR50-20100412-002, the meeting summary from the 4 February 2010 TR-50 meeting was presented. It was noted that the date on the meeting summary was incorrect and would be modified by the Secretary.

**Motion: To approve the meeting summary presented in TR50-20100310-002, pending modification to the incorrect date.**
Moved: SigmaDelta
Second: Qualcomm
**Unanimously approved.**

**8. New Business**

8a.     Develop 18 month meeting schedule (TR50-20100310-007)

Contribution -007, which provides information on currently scheduled TR-50 meetings and external organizations' schedules which TR-50 may wish to avoid when identifying potential future meeting dates, was presented. During the discussions regarding the near-future TR-50 meeting schedule it was noted that:
➢ Virtual meetings and interim conference calls may be utilized in addition to face-to-face meetings.
➢ As the committee is new, more frequent meetings may be needed.
➢ There is a TIA Engineering Manual mandate that 30-day (minimum) notice be given for sub-committee elections.

**Action 50-10/03-01**
The Chair will contribute a proposed 12-18 month meeting schedule at the next TR-50 meeting.

8b.     Meeting Hosting Principles

Among the topics discussed were the advantages to collocating with external organizations, having meetings at academic institutions, and collocating TR-50 meetings during conventions/tradeshows.

8c.     Establish Attendance Criteria

During the discussions regarding attendance criteria, it was noted:
➢ Per the TIA Engineering Manual, it was noted that quorum consists of those companies on the active voting list. If quorum is not reached during a meeting, decisions can not be made. Any company that misses 3 consecutive meetings will be removed from the voting list and, subsequently, the quorum list
➢ Observer status can be granted for a limited time. All observer requests are to be submitted to TIA and the committee in which the potential observer wishes to participate
➢ Guests/observers can submit IPR directly to TIA or TR-50, as attendance in a meeting implies a company's consent with the Important Notice of Participation.

8d.     Review Role of Academia and Other Research Centers in TR-50

TR-50 will be inviting experts within academia (e.g., Cal IT2) and adding topics to be discussed to future agendas. The concept of hosting a lightning presentation session was well-received by the group and will be added to the April 2010 TR-50 meeting agenda.

8e.     Areas of specialization for TR-50, which could possibly lead to creation of subcommittees (examples to be proposed by Chair) (TR50-20100310-003)

Contribution -003, Recommended TR-50 Working Procedures, was presented. Much of the discussions centered around the importance of security and, as such, TR-50 should consider creating a Security sub-committee.

8f.     Objectives, Milestones, and Metrics for TR-50 (TR50-20100310-003)

Contribution TR50-20100310-003, Recommended TR-50 Working Procedures, was presented. There were no questions for clarification.

8g.     Establish Reporting Mechanisms from Subcommittees

During discussions, it was noted:
- Sub-committees/formulating groups have to establish quorum in order to make decisions relative to their respective sub-committee.
- Any issues not resolvable in the sub-committee will be brought to the TR-50 plenary for discussion/resolution.
- The TR-50 closing plenary will be held after sub-committees meet.

8h.     Establishing External Liaisons

The following liaison contacts were established:
- ITU-T SG15 Q1 – Vladimir Oksman (Lantiq North America)
- 3GPP2 – Orlett Pearson (Alcatel-Lucent)
- ETSI – Omar Elloumi (Alcatel-Lucent)
- ISO IEC SC25 WG1 – Tim Schoecle (IEC)
- CDG – Anil Kripalani (WirefreeCom)
- IETF – (Jeff – did someone step forward for IETF? I didn't record anything…sorry if I missed it.)
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"TR-50 Liaison Reports" will be a standing agenda item for future TR-50 meetings.

8i.     Smart Grids TR-50 comment (TR50-20100310-005)

Contribution TR50-20100310-005, Update of M2M Standard Work, was presented. There were no questions for clarification.

8j.     G.hnem project – Architecture and Current status (TR50-20100310-006)

Contribution TR50-20100310-006, G.hnem Project – Architecture and Current Status, was presented. There were no questions for clarification.

8k.     M2M Numbering Concerns (TR50-20100310-008)

Contribution TR50-20100310-008a, correspondence from the 3GPP2 Steering Committee Chair noting the creation of an ad hoc that will consider issues related to M2M numbering and addressing schemes, was presented.

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1  It was noted that TR-50 participants are invited to attend the ad hoc's first meeting (via
2  teleconference), which is scheduled for 12 April @ 8:00pm EDT.
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5  **9.  Sub-Committee Reports**

6  9a.    <u>TR-50.1 Architecture and Requirements</u>
7  Contribution TR50-20100310-009, the proposed TR-50.1 scope and charter, was presented.
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9      **Motion: To approve the proposed Scope and Charter of TR-50.1, as presented in TR50-**
10     **20100310-009.**
11     Moved: Navtec
12     Second: Qualcomm
13     **Unanimously approved.**
14

15  **14. Open Discussion**

16  None
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18  **15. Adjournment**

19  Having concluded the meeting's deliberations, a motion was made to adjourn the meeting.
20
21     **Motion: To adjourn the TR-50 meeting in Denver, CO.**
22     Moved: SigmaDelta
23     Second: Navtec
24     **Meeting adjourned @ 1:12pm local time on 11 March 2010.**
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27                         Jeff Smith
28                         Chair
29                         Engineering Committee TR-50
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34                         Victoria Mitchell
35                         Secretary
36                         Engineering Committee TR-50
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1 **Annex-A: Action Items Recorded During the 10-11 March 2010 TR-50 Meeting:**

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3 <span style="color:red">**Action 50-10/03-01**</span>

4 The Chair will contribute a proposed 12-18 month meeting schedule at the next TR-50 meeting.

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