# Approved by General Counsel

TR-45 Meeting Report

Date(s): 03/06/2013 - 03/07/2013

Location: San Diego, CA

Approved: 03/15/2013

**Telecommunication Industry Association (TIA)**
**TR-45 Committee**
**Mobile & Personal Communications Standards**
**Report of Meeting**
**6-7 March 2013**

**1.  Call to Order & Opening Remarks**
The TR-45 Committee was convened on 06 March 2013 at the Sheraton Hotel in San Diego, CA at 1:05 PM local time. J.Brownley/Chair called the meeting to order and welcomed the TR-45 membership to San Diego, CA.

**2.  Important Notice of Participation**
The Chair duly informed the meeting attendees of the Important Notice of Participation provided on the meeting agenda in Note 1.

**3.  Attendance Registration & Roll Call**
Meeting attendees signed-in electronically at tr45.tiaonline.org and attendance was recorded as indicated by the quorum information provided below. Quorum was established.

| Quorum List – Members Present | | | |
|---|---|---|---|
| **Member** | **Representative** | **Attendance** | |
| | | **Last** | **Prior** |
| 1.   Alcatel-Lucent | J. Brownley | X | X |
| 2.   CDMA Development Group | S. Samra | X | X |
| 3.   CommFlow Resources | G. Pellegrino | X | X |
| 4.   Ericsson | J. Ragsdale | X | X |
| 5.   LG InfoComm U.S.A., Inc. | S. Kim | X | X |
| 6.   Qualcomm, Inc | F. Quick | X | X |

| Quorum List – Members Absent | | | |
|---|---|---|---|
| **Member** | **Representative** | **Attendance** | |
| | | **Last** | **Prior** |
| 7.   Nokia Siemens Networks | S. Sayeedi | | X |
| 8.   Sigma Delta Communications | P. Nurse | | X |
| 9.   Sprint Nextel | M. Lipford | X | X |
| 10. Verizon Wireless | G. Flynn | X | X |

[Note:  The "Quorum List – Members Absent" table identifies the member companies not present at this meeting.  Of these member companies, the ones who also have not attended the last two meetings (no "X" in either the "Last" or "Prior" column) will be dropped from the quorum list for the next meeting.]

| Others Present | |
|---|---|
| **Member** | **Representative** |
| 1.   Alcatel-Lucent | B. Covell |
| 2.   Qualcomm | D. Ott |
| 3.   TIA | S. Montgomery |

**4.   Agenda Review & Approval**
A motion was made by Frank and seconded by G.Pellegrino to approve the meeting agenda provided in document .01. The motion passed with no objections.

1 *Chair's Note, the meeting agenda provided in document .01r2 as amended during the course of the meeting is*
2 *available at* http://ftp.tiaonline.org/TR-45/TR-45_MAIN/WORKING/2013mar.
3
4 **5.  Early Disclosure Policy**
5 The Chair duly informed the meeting attendees of the TIA Patent Policy, per Note 3 on the meeting agenda.  There
6 were no comments from the meeting attendees regarding the early disclosure of patents.
7
8 **6.  Introduction of Submissions and Contributions and Numbering**
9 The following documents were numbered and assigned accordingly. Meeting participants were strongly encouraged
10 to upload contributions to the TIA ftpsite prior to the start of the meeting.
11

| Number | Title | Source | Agenda Item |
|---|---|---|---|
| TR45/13.03.06.00r2 | Submission & Contribution Assignment List | J.Brownley Chair | 6 |
| TR45/13.03.06.01r2 | Meeting Agenda | J.Brownley Chair | 4 |
| TR45/13.03.06.02 | TR-45 Meeting Report of 6-7 December 2012 | J.Brownley Chair | 7 |
| TR45/13.03.06.03 | TR-45.3 Report | J. Ragsdale Acting Chair | 8a, 13a |
| TR45/13.03.06.04 | TR-45.4 Report | D. Ott Chair TR-45.4 | 8b, 13b |
| TR45/13.03.06.05r1 | TR-45.5 Report | O. Pearson Chair TR-45.5 | 8c, 13b |
| TR45/13.03.06.06r1/a/b/c | TR-45.8 Report | B.Covell Chair TR-45.8 | 8d, 13b |
| TR45/13.03.06.07r1 | AHAG Report | F.Quick Chair AHAG | 8e |
| TR45/13.03.06.08/a | AHEM and AHIMT Chair Resignations | P. Nurse Sigma Delta Communications | 8f |
| TR45/13.03.06.09/a | AHG on ESN/UIM/MEID Report | G. Pellegrino Chair AHG on ESN/UIM/MEID | 8g |
| TR45/13.03.06.10 | IFAST Liaison Report | E. Hall IFAST Liaison | 11j |
| TR45/13.03.06.11r2 | J-STD-025 Series – TR-45 Activity Status | G. Pellegrino Chair TR-45.8 LIG | 8h |
| TR45/13.03.06.12 | MEID Administrator's Report | J. Derr MEID Administrator | 8g |
| TR45/13.03.06.13 | TR-45 Meeting Schedule for 2013 | J.Brownley Chair | 13a |
| TR45/13.03.06.14/a | Liaison Statement from ITU-R WP5D to EO regarding Study on Future Technology Trends for Terrestrial IMT Systems | S. Buonomo ITU SG-5 | 10f |
| TR45/13.03.06.15/a | Liaison Statement from ITU-R WP5D to EO regarding Recommendations M.1580-4 and M.1581-4 | S. Buonomo ITU SG-5 | 10g |
| TR45/13.03.06.16/a | Liaison Statement from ITU-R WP5D to EO regarding Study on IMT Vision for 2020 and Beyond | S. Buonomo ITU SG-5 | 10h |

| TR45/13.03.06.17/a | Liaison Statement from ITU-R WP5D to EO regarding Plans to Change the M.1457 Update Process | S. Buonomo ITU SG-5 | 10i |
|---|---|---|---|
| TR45/13.03.06.18/a | GSC Task Force Report on Emergency Communication draft 0.0.12rev5 | C. Bonardi ETSI | 9c |
| TR45/13.03.06.19 | TIA-1098-A Reaffirmation Document Publication - Announcement | TIA | 8e |
| TR45/13.03.06.20/a/bR1/c | Email regarding Proposed Updates to TR-45 Scope and Charter | J.Brownley Chair | 10a |
| TR45/13.03.06.21r1 | TR-45 Scope and Charter – For Approval | J.Brownley Chair | 10a |
| TR45/13.03.06.22 | GSC-17 Preparations | C. Blum TIA | 10e |
| TR45/13.03.06.23 | Correspondence from TR-45.5 to TR-45.8 regarding Draft Report of the GSC Task Force on Emergency Communications | O. Pearson Chair TR-45.5 | 9c |
| TR45/13.03.06.24 | Correspondence from TR-45.8 regarding Draft Report of the GSC Task Force on Emergency Communications | B. Covell Chair TR-45.8 | 9c |
| TR45/13.03.06.25/a/b | Email from TIA regarding TIA Comments on NIST Draft Guidelines on Hardware-Rooted Security in Mobile Devices (800-164) | C. Blum TIA | 9d |
| TR45/13.03.06.26 | Joint TIA/ATIS Press Release on SMS-to-9-1-1 | S. Barclay ATIS | 10b |
| TR45/13.03.06.27 | Advisory Notes Summary from TSSC 130219 Meeting | H. Congdon TIA | 10d |
| TR45/13.03.06.28/a | Email and Documents from TIA regarding 130206 Meeting on Draft Advisory Notes | H. Condgon TIA | 10d |
| TR45/13.03.06.29 | Sharing Documents with Other Entities from TSSC 130219 Meeting | H. Congdon TIA | 10c |
| TR45/13.03.06.30/a | GSC-17 Preparations for TR-45 | C. Blum TIA | 10e |
| TR45/13.03.06.31r1 | Recommendation to Form a TR-45 Working Group on Microwave Systems | J. Brownley Chair | 9b |
| TR45/13.03.06.32/a | GSC Task Force Report on Emergency Communication draft 0.0.13rev1 | C. Bonardi ETSI | 9c |
| TR45/13.03.06.33 | GSC-16 TIA Presentations | J. Brownley Chair | 10e |

**7. Review of Meeting Report from Previous Meetings**

The TR-45 Committee 6-7 December 2012 meeting report numbered TR45/12.12.06.02 was reviewed. A motion was made by B.Covell and seconded by G. Pellegrino to approve the meeting report provided in document .02. The motion passed with no objections.

**8. Reports**

**8a. TR-45.3 Subcommittee**

J.Ragsdale presented document .03 as the TR-45.3 report to TR-45 for information.

**8b. TR-45.4 Subcommittee**

D.Ott presented document .04 as the TR-45.4 report to TR-45 for information.

**8c.  TR-45.5 Subcommittee**

O. Pearson presented document .05r1 as the TR-45.5 report to TR-45 for information. Regarding the joint ATIS/TIA Standard on Coexistence and Interference Issues in Land Mobile Systems work, it was reported that work continues jointly with ATIS to discuss the ATIS/TIA Coexistence and Interference Standard P0017-v0.792. The document was approved and sent out for a 30-Day ballot. Joint sessions will be held after the 21 March 2013 ballot close date to address ballot comments, if any.

**8d.  TR-45.8 Subcommittee**

B. Covell provided document .06r1with attachments A-C as the TR-45.8 report to TR-45 for information. It was reported that TR-45.8 held elections for Chair at the meeting held 14 December 2013. Betsy Covell of Alcatel-Lucent was re-elected as Chair by acclamation. TR-45 confirmed the election the Betsy Covell as Chair of Subcommittee TR-45.8.

Regarding JCMAS, J-STD-100.a Joint ATIS/TIA CMAS Mobile Device Behavior Specification, J-STD-101.b Joint ATIS/TIA CMAS Federal Alert Gateway to CMSP Gateway Interface Specification, and J-STD-102.a Joint ATIS/TIA CMAS Federal Alert Gateway to CMSP Gateway Interface Test Specification, were published on 01 February 2013. It was reported that no contributions have been submitted yet for the Spanish language JCMAS project.

Regarding JSMS911, it was reported that J-STD-110 Joint ATIS/TIA Native SMS TO 9-1-1 Requirements and Architecture Specification was submitted for ballot on February 4, 2013. Ballot comment resolution is scheduled to be held via conference call on 11-12 March 2013. During the development of J-STD-110, it was determined that updates were required to J-STD-036-C to add position source codes for texting to 9-1-1 and small fixed cells. Accordingly, at the March 21 meeting TR-45.8 will initiate a new joint project with ATIS WTSC SN[1] to develop an addendum to J-STD-036-C.

**8e.  Ad Hoc on Authentication Group (AHAG)**

Document .07r1 was provided by F.Quick as the AHAG report to TR-45 for information. Document .19 was provided for information.

- Recommendation to Vote for Reaffirmation of TIA-946-A "Enhanced Cryptographic Algorithms"
  There was a vote to reaffirm TIA-946-A (PN-3-0361). A motion to reaffirm TIA-946-A was made by F.Quick and seconded by G.Pellegrino. There were no objections and there were no abstains to the motion.

  Action TR45/2013-03-01
  The Chair will submit the Standards Status Change form to reaffirm TIA-946-A "Enhanced Cryptographic Algorithms."

**8f.  AHG on Electronic Media Documentation (AHEM)**

P.Nurse provided correspondence in document .08 to resign the positions of AHEM Chair and AHIMT Chair. TR-45 expressed appreciation and extended thanks for the years that Peter Nurse has contributed and supported TR-45 in his roles as Chairs of the AHEM and AHIMT. There were no objections to disbanding the AHEM.

Action TR45/2013-03-02
The Chair will work with TIA to generate a certification of appreciation and recognition to be presented to Peter Nurse for his service as the Chair of both the AHEM and AHIMT.

**8g.  AHG on ESN/UIM/MEID (EUMAG)**

Document .09 with attachement .09a was provided by G.Pellegrino as the TR-45 ESN/UIM/MEID Ad Hoc Group (EUMAG) report to TR-45 for information and action, as appropriate. There were no objections to endorse SC R4002-0 v8.3 GHA Assignment Guidelines and Procedures for MEID_ draft [editor] as provided in document .09a to be provided to 3GPP2 for consideration for publications as v9.0.

- **MEID Administrator's Report**
  J.Derr presented Document .12, MEID Administration Reports, provided for information.

- **ESN and UIM_ID Administrator's Report**
  J.Derr provided a brief verbal report.

**8h.   J-STD-025 Series Report**
Document .11r2, the J-STD-025 Series TR-45 activity status table, was provided for information by G.Pellegrino. It was reported that TIA submitted ANSI/J-STD-025-B-3 to ANSI and is awaiting publication confirmation.

**8i.   OID Administrators Report**
There was nothing to report.

## 9.  Old Business

9a.   **Resubmission of Text for Publication**
To re-iterate, TIA agreed to the use of the same Authorization for Publication online entry form with a note in the comment field regarding the resubmission of updated publication text prior to actual publication. TIA noted that an additional button to replace the need for an explicit comment is being worked.

**9b.   TIA TSB-10 "Interference Criteria for Microwave Systems"**
TSB-10 "Interference Criteria for Microwave Systems" was transferred from the former TR-14.11 to TR-45 for revisions. It was proposed that a new non-formulating Working Group (WG) be established in TR-45 to conduct the work. The proposed Working Group would be as follows:

Name: Microwave Systems Working Group (MSWG)
Scope: The development of recommendations for performance of microwave systems.
Chair < to be determined >
Convener: Patrick Picquet of Alcatel-Lucent

It was noted that the Chair of the WG does need to be a member of TIA or one of the TR-45 Subcommittees. However, Subject Matter Experts (SMEs) can participate as guest to contribute to the WG. In addition, the WG could conduct co-located meetings with NSMA WG-3. Document .31 was provided for information.

- Recommendation to Establish a TR-45 Working Group for Microwave Systems
  A motion was made by G.Pellegrino and seconded by B.Covell to establish a TR-45 Working Group on Microwave Systems. There were no objections to the motion.

Action TR45/2013-03-03
TIA agreed to investigate whether a "TIA-10" standard number currently exist.

Action TR45/2013-03-04
The Chair will work with P.Picquet to schedule and conduct the kick-off meeting of the new TR-45 Microwave Systems Working Group (MSWG).

**9c.   GSC Task Force Report on Emergency Communications**

Through TIA, TR-45.5 provided inputs to the GSC Task Force Report on Emergency Communications. In January 2013, TIA worked with ATIS to review and coordinate inputs to sections of the Report relative to the U.S. The cut-off date for Report inputs was 8 March 2013. The TF plans to submit the final version of the Report on Emergency Communications into the next GSC meeting. The next meeting of GSC (GSC-17) is scheduled for the week of 13 May 2013 in S.Korea on Jeju Island. Documents .18, .23, .32, and .24 were provided for information.

**9d.    TIA Comments to NIST on Draft Guidelines on Hardware-Rooted Security in Mobile Devices**
Document .25 was provided for information.

**9e.    Common IMS Documents**
It was agreed that concerns and questions relative to the transfer of Common IMS documents from 3GPP2 to 3GPP should be addressed within 3GPP2. Unless there is incoming correspondence from 3GPP2 this item will be consider closed at this time.

**10.   New Business**

**10a.    Recommendation to Vote on Updated TR-45 Scope & Charter**
Document .20 was provided for information. The modified TR-45 scope & charter to accommodate the formation of the new Working Group on Microwave Systems was provided in document .21r1 was reviewed and decision. It was noted that the proposed modification were based on the former scope of TR-14 prior to April 2012. There were no objections to approving the modified TR-45 scope & charter as provided in document .21r1.

Action TR45/2013-03-05
The Chair will forward the approved TR-45 scope & charter to the TIA TSSC for approval to go forward to the TC for approval.

Action TR45/2013-03-06
Document .21r1 was remanded to the Subcommittees and Ad Hoc Groups for information.

**10b.    Joint ATIS/TIA Press Release on SMS-to-9-1-1 Project**
Document .26 was provided for information.

**10c.    TIA Document Sharing Policy**
Document .29 was provided for information.

Action TR45/2013-03-07
The Chair agreed to update agenda Note 3 to include "Advisory Notes relative to patent policy."

**10d.    TIA Draft Advisory Notes and ANSI-mandated Revisions to the TIA Engineering Manual**
Documents .27 and .28 were provided for information.

**10e.    GSC-17 Preparations**
The next meeting of GSC (GSC-17) is scheduled for the week of 13 May 2013 in S.Korea on Jeju Island. Document .30 provided a list of HIS topics and a request for TR-45 to provide input to select TIA presentations for GSC-17. Associated GSC-16 presentations for reference were provided in a folder on the ftpsite in document .33. It was noted that all GSC-16 presentations are available at www.gsc16.ca. Document .22 was provided for information.

Action TR45/2013-03-08
Documents .30 and .33 were remanded to TR-45.5, TR-45.8, and AHAG to take action as appropriate to generate inputs directly TIA (C.Blum.) and copy-to the Chair (J.Brownley) by the first week in April 2013.

**10f.    Liaison Statement from ITU-R WP5D Re: Future Trends for Terrestrial IMT Systems**

Document .14 was provided for information. It was noted that this LS addresses all terrestrial IMT systems. It is not restricted to IMT-Advanced and beyond.

Action TR45/2013-03-09
Document .14 was remanded to TR-45.3 and TR-45.5 for comments directly back to WP5D, if any. It was noted that the LS was sent directly to TR-45.3 and TR-45.5 previously.

**10g.   Liaison Statement from ITU-R WP5D Re: Recommendations M.1580-4 and M.1581-4**
Document .15 was provided for information.

Action TR45/2013-03-10
Document .15 was remanded to TR-45.3 and TR-45.5 for comments directly back to WP5D, if any. It was noted that the LS was sent directly to TR-45.3 and TR-45.5 previously.

**10h.   Liaison Statement from ITU-R WP5D Re: Study on IMT Vision for 2020 and Beyond**
Document .16 was provided for information. It was noted that the vision is for the next version of IMT-Advanced as well as beyond.

Action TR45/2013-03-11
Document .16 was remanded to TR-45.5 for comments directly back to WP5D, if any. It was noted that the LS was sent directly to TR-45.5 previously.

**10i.   Liaison Statement from ITU-R WP5D Re: Changes the M.1457 Update Process**
Document .17 was provided for action, as appropriate. Document .17 and the 5 embedded files were reviewed. It was noted that going forward 5D is adapting the IMT-Advanced (M.2012) update process for IMT-2000 (M.1457.) Document .17 contains the timeline, milestones, and deliverables for the new update process for M.1457. The new process goes into effect as of the 16th meeting of 5D in July 2013.

It was noted that there are two deliverables for "meeting-x" 10 July 2013.
1. "Exceptional Form A"
2. Initial Announcement of Revision to M.1457 (i.e., Letter of Intent)

The "Exceptional Form A" is required to reconfirm the GCS Proponent for each of the current IMT-2000 technologies. "Exceptional Form A" as provided in Annex 1 of document .17a must be completed, signed, and returned to 5D by 16:00 hours UTC on 3 July 2013 (7 days before the 16th meeting of WP 5D) by the appropriate GCS Proponent. The GSC Proponent for

- IMT-2000 CDMA Multi-Carrier (MC) is ARIB, CCSA, TIA, TTA, and TTC (on behalf of 3GPP2)
- IMT-2000 TDMA Single-Carrier (SC) is ATIS and TIA

TIA will need to complete two separate "Exceptional Form A" one for CDMA-MC and one for TDMA-SC in coordination with the associated GSC Proponent.

Action TR45/2013-03-12
Relative to the milestones in document .17, the Chair agreed to work with TIA and 3GPP2 to ensure that the Exceptional Form A and Letter of Intent for CDMA-MC are submitted to 5D prior to "meeting-x" 3 July 2013.

Action TR45/2013-03-13
Document .17 was remanded to TR-45.3 and TR-45.5 for action, as appropriate. It was noted that the LS was sent directly to TR-45.3 and TR-45.5 previously. TR-45.3 and TR-45.5 were asked to direct special attention to the file embedded in document .17a named "Draft_IMT-2000_5.doc" which contains the schedule for revision 12 updates for M.1457.

Action TR45/2013-03-14
J.Ragsdale took an action item to talk with S.Blust regarding TDMA-SC due to the fact that the original TDMA-SC proponent, UWCC, no longer exist.

Action TR45/2013-03-15
TIA agreed to work with TR-45.5 and TR-45.3 to implement the new M.1457 update process.

Action TR45/2013-03-16
J.Ragsdale agreed to contact 5D to acquire the templates for both TDMA-SC and CDMA-MC.

## 11. Liaison Reports

### 11a. CTIA
There was no report. It was noted that R.Kemper of CTIA does attend TR-45 EUMAG conference call meetings.

### 11b. ITU-T
There was no report.

### 11c. ITU-R
It was reported that M.Epstein has stepped down as the ITU-R liaison to TR-45. J.Ragsdale graciously volunteered to serve as the Liaison. J.Ragsdale provided a brief verbal report. It was reported that the major work activities in ITU-R are preparations for WRC-15.

### 11d. CITEL
There was no report. J. Ragsdale provided a brief verbal report.

### 11e. Wireless Communication Division (WCD)
There was no report.

### 11f. TIA
S.Montgomery provided a brief verbal report. It was reported that there are plans to update the TIA Style Guide in 2013.

### 11g. 3GPP2
There was no report. J.Brownley provided a brief verbal report.

### 11h. 3GPP
There was not report.

### 11i. ATIS
There was no report.

### 11j. IFAST
E.Hall provided document .10, the IFAST liaison report, for information.

## 12. Review Assignments
The assignments are provided and numbered as "Action TR45/2013-03-xx" throughout the meeting report.

## 13. Review Meeting Schedules

### 13a. TR-45 2013 Schedule
Document .13, the 2013 TR-45 meeting dates, was provided for information.

Action TR45/2013-03-17
TIA agreed to provide a list of hotels near the new TIA Headquarters with TIA sleeping room rates.

**13b.   Subcommittee 2013 Schedules**

It was noted that the Subcommittees' 2013 schedules were provided in documents .03, .04, .05, and .06.

**14.   Open Discussion**

There was no additional discussion.

**15.   Adjournment**

Having concluded the meeting's deliberations, a motion was made to adjourn the meeting. The meeting was conducted in accordance with the TIA Engineering Manual and TIA Legal Guide and was adjourned at approximately 10:10 AM local time 07 March 2013.


Jane C. Brownley
Chair
Engineering Committee TR-45