



**TELECOMMUNICATIONS  
INDUSTRY ASSOCIATION**

**HEADQUARTERS**

2500 Wilson Boulevard  
Suite 300  
Arlington, VA 22201-3834  
+1.703.907.7700 MAIN  
+1.703.907.7727 FAX

**D.C. OFFICE**

10 G Street, N.E.  
Suite 550  
Washington, DC 20002  
+1.202.346.3240 MAIN  
+1.202.346.3241 FAX

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## Approved by General Counsel

TR-45 Meeting Report

Date(s): 12/06/2012 - 12/07/2012

Location: Maui, HI

Approved: 01/09/2013

**Telecommunication Industry Association (TIA)**  
**TR-45 Committee**  
**Mobile & Personal Communications Standards**  
**Report of Meeting**  
**6-7 December 2012**

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

The TR-45 Committee was convened on 06 December 2012 at the Hyatt Regency Hotel in Lahaina, HI at 1:05 PM local time. J.Brownley/Chair called the meeting to order and welcomed the TR-45 membership to Hawaii.

**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](http://tr45.tiaonline.org) and attendance was recorded as indicated by the quorum information provided below. Quorum was established.

<b>Quorum List – Members Present</b>			
<b>Member</b>	<b>Representative</b>	<b>Attendance</b>	
		<b>Last</b>	<b>Prior</b>
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	
6. Qualcomm, Inc	F. Quick	X	X
7. Sprint	M. Lipford	X	X
8. Verizon Wireless	G. Flynn	X	

<b>Quorum List – Members Absent</b>			
<b>Member</b>	<b>Representative</b>	<b>Attendance</b>	
		<b>Last</b>	<b>Prior</b>
9. CJ Barber Consulting	C. Barber		X
10. Nokia Siemens Networks	S. Sayeedi	X	X
11. Sigma Delta Communications	P. Nurse	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.]

<b>Others Present</b>	
<b>Member</b>	<b>Representative</b>
1. Alcatel-Lucent	O. Pearson
2. Alcatel-Lucent	B. Covell
3. Alcatel-Lucent / NSMA	P. Picquet (Called in for Agenda Item 10.e)
4. AT&T Labs / NSMA	T. Willis (Called in for Agenda Item 10.e)
5. AT&T / NSMA	L. Sutliff (Called in for Agenda Item 10.e)
6. Comsearch / NSMA	D. Meyer (Called in for Agenda Item 10.e)
7. JRT Limited / AT&T	T. Giuffrida (Called in for Agenda Item 10.e)

Others Present	
Member	Representative
8. Meredith Broadcasting	J. Snelson (Called in for Agenda Item 10.e)
9. Micronet Communications	J. Lewis (Called in for Agenda Item 10.e)
10. Micronet Communications / NSMA	B. Youngblood (Called in for Agenda Item 10.e)
11. Qualcomm	D. Ott
12. TIA	C. Blum
13. TIA	J. Derr (Called in for Agenda Item 9.g)

#### 4. Agenda Review & Approval

A motion was made by G. Pellegrino and seconded by S. Kim to approve the meeting agenda provided in document .01r3. The motion passed with no objections.

*Chair's Note, the meeting agenda provided in document .01r4 as amended during the course of the meeting is available at [http://ftp.tiaonline.org/TR-45/TR-45\\_MAIN/WORKING/2012dec](http://ftp.tiaonline.org/TR-45/TR-45_MAIN/WORKING/2012dec).*

#### 5. Early Disclosure Policy

The Chair duly informed the meeting attendees of the TIA Patent Policy, per Note 3 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. Meeting participants were strongly encouraged to upload contributions to the TIA ftpsite prior to the start of the meeting.

Number	Title	Source	Agenda Item
TR45/12.12.06.00r3	Submission & Contribution Assignment List	J.Brownley Chair	6
TR45/12.12.06.01r4	Meeting Agenda	J.Brownley Chair	4
TR45/12.12.06.02	TR-45 Meeting Report of 5-6 September 2012	J.Brownley Chair	7
TR45/12.12.06.03	TR-45.3 Report	J. Ragsdale Acting Chair	9a, 14a
TR45/12.12.06.04	TR-45.4 Report	D. Ott Chair TR-45.4	9b, 14b
TR45/12.12.06.05	TR-45.5 Report	O. Pearson Chair TR-45.5	9c, 14b
TR45/12.12.06.06/a/b/c	TR-45.8 Report	B.Covell Chair TR-45.8	9d, 14b
TR45/12.12.06.07	AHAG Report	F.Quick Chair AHAG	9e
TR45/12.12.06.08	AHEM Report	P. Nurse Chair AHEM	9f
TR45/12.12.06.09/a	AHG on ESN/UIM/MEID Report	G. Pellegrino Chair AHG on ESN/UIM/MEID	9g
TR45/12.12.06.10	IFAST Liaison Report	E. Hall IFAST Liaison	12j
TR45/12.12.06.11r1	J-STD-025 Series – TR-45 Activity Status	G. Pellegrino Chair TR-45.8 LIG	9h
TR45/12.12.06.12r1	MEID Administrator's Report	J. Derr MEID Administrator	9g

TR45/12.12.06.13	Joint TIA TR-45 / ATIS WTSC and PTSC 04 October 2012 Meeting Report Regarding Ballot Comment Resolution of ANSI J-STD-025-B-3	J.Brownley Chair	9h
TR45/12.12.06.14	Publication Ready Text of ANSI/J-STD-025-B-3	G. Pellegrino Editor	9h
TR45/12.12.06.15	TR-45 Meeting Schedule for 2013	J.Brownley Chair	14a
TR45/12.12.06.16	Email correspondence from TIA to ITU Re: TIA ITU M.1457-11 Letter of Conveyance for CDMA-MC	S.Montgomery TIA	10b
TR45/12.12.06.17	Email correspondence from TIA Re: Invitation to Join oneM2M	S. Montgomery TIA	10c
TR45/12.12.06.18/a/b/c	Correspondence from TR-45.5 Re: ITU Recommendation M.1457-11 for CDMA-MC	O. Pearson Chair TR-45.5	10b
TR45/12.12.06.19/a	Email correspondence from TIA to NIST SGIP re: TIA's Submission of cdma2000 Technology Standards to the SGIP Catalog of Standards	C. Blum TIA	10g
TR45/12.12.06.20/a/b/c	Email correspondence from TIA to ITU Re: M.1457-11 transmittal letter and documents for CDMA-MC	S. Montgomery TIA	10b
TR45/12.12.06.21/a	Email Correspondence from TR-45.3 to TIA Re: ITU Recommendation M.1457-11 Letter of Consistency with transpositions for TDMA-SC	J. Ragsdale TR-45.3 Acting Chair	10b
TR45/12.12.06.22	Liaison Statement from ITU-T SG11 Q13 Re: Response LS to draft revised Supplement TRQ.ETS-overview (Supp.62)	S. Polidori ITU-T SG11	10h
TR45/12.12.06.23	Correspondence to oneM2M re: cdma2000 Access Technology Requirements for M2M	J. Brownley Chair	10c
TR45/12.12.06.24/a	Email from Qualcomm to TR-45.5 Re: NIST Smart Grid Document Review	A. Gogic Qualcomm	11a
TR45/12.12.06.25	Email to/from S.Blust, AT&T Re: IMT-2000 (M.1457) and IMT-Advanced (M.2012) Update Processes	J. Brownley Chair	11b
TR45/12.12.06.26	Email to ATIS Re: ANSI J-STD-025-B-3 Ready for Publication	J.Brownley Chair	9h
TR45/12.12.06.27/a	Email from TR-45.5 to ITU-R WP5D Re: M.1457-11 for CDMA-MC	O. Pearson Chair TR-45.5	10b
TR45/12.12.06.28	Correspondence from Alcatel-Lucent to TIA Re: Letter of Nomination for TR-45 Chair	F. O'Brien Alcatel-Lucent	8
TR45/12.12.06.29	Liaison Statement from ITU-R WP5D Re: base station antennas for IMT systems	E. Mostyn-Jones ITU BR	11d
TR45/12.12.06.30	Liaison Statement from ITU-R WP5D Re: Revision 12 of Recommendation ITU-R M.1457 Schedule	E. Mostyn-Jones ITU BR	11c
TR45/12.12.06.31	Liaison Statement from ITU-R WP5D Re: Preliminary Draft New Report on "The use of IMT for broadband PPDR applications"	E. Mostyn-Jones ITU BR	11e
TR45/12.12.06.32/a	Email correspondence to TIA Re: Invitation to update TIA TSB-10	J. Brownley Chair	10e
TR45/12.12.06.33/a	GSC Task Force Report on Emergency Communications v008	C. Bonardi ETSI	10f
TR45/12.12.06.34	GSC Task Force Report on Emergency Communications v009r2	C. Bonardi ETSI	10f
TR45/12.12.06.35	Liaison from ITU-R WP5A Re: ITU-R M.1450-4 "Characteristics of broadband radio local area networks"	E. Mostyn-Jones ITU BR	11f

TR45/12.12.06.36	Liaison from ITU-R 5A Re: Draft new Report ITU-R M.[LMS.ATG] – Systems for public mobile communications with aircraft	E. Mostyn-Jones ITU BR	11i
TR45/12.12.06.37	Liaison from ITU-R 5A Re: F.1763 “Radio interface standards for broadband wireless access systems in the fixed service operating below 66 GHz”	E. Mostyn-Jones ITU BR	11g
TR45/12.12.06.38	Liaison from ITU-R 5A Re: WRC-15 Agenda item 1.1 – Consideration of spectrum estimates for terrestrial mobile broadband (excluding IMT) applications	E. Mostyn-Jones ITU BR	11h
TR45/12.12.06.39/a	GSC Task Force Report on Emergency Communications v010	C. Bonardi ETSI	10f
TR45/12.12.06.40	Email from NSMA Re: TSB-10 Revision F	L. Sutliff Chair, NSMA WG3	10e
TR45/12.12.06.41	TR-45 Report to TIA TSSC	J. Brownley Chair	12f
TR45/12.12.06.42	TIA Technology & Standards Conference Call regarding Complimentary Copies of Standards	H. Congdon TIA	10d
TR45/12.12.06.43	Distributed Antenna Systems (DAS) – TR-42 Support Request	R. Jensen Chair TR-42	11j
TR45/12.12.06.44/a	NIST SP 800-164 “DRAFT Guidelines on Hardware-Rooted Security in Mobile Devices”	NIST	11k
TR45/12.12.06.45r1	Document Guidelines	J. Brownley Chair	11l
TR45/12.12.06.46	Proposed TR-45 Options for Revisions to TSB-10	J. Brownley Chair	10e
TR45/12.12.06.47/a/b	Email to/from S.Blust, AT&T Re: IMT-2000 (M.1457) and IMT-Advanced (M.2012) Update Processes	J. Brownley Chair	11b
TR45/12.12.06.48	Email from ATIS Re: PTSC approval of Addendum 3 of ANSI/J-STD-025-B	J. Brownley Chair	9h

## 7. Review of Meeting Report from Previous Meetings

The TR-45 Committee 5-6 September 2012 meeting report numbered TR45/12.12.06.02 was reviewed. A motion was made by G. Pellegrino and seconded by B.Covell to approve the meeting report provided in document .02. The motion passed with no objections.

## 8. Election of TR-45 Chair

The TR-45 Chair election was conducted. It was reported that one nomination was received by TIA prior to the TR-45 meeting as provided in document .28. There was a call for any additional nominations. There were no additional nominations. There were no objections to the election by acclamation of Jane Brownley of Alcatel-Lucent to sever as TR-45 Chair for a second 2-year term. Document .28 was provided for information.

## 9. Reports

### 9a. TR-45.3 Subcommittee

J.Ragsdale presented document .03 as the TR-45.3 report to TR-45 for information. It was reported that the transpositions for TDMA-SC were incorporated into the ITU-R Recommendation M.1457-11 that was sent by Study Group 5 for Process for Simultaneous Adoption and Approval (PSAA).

### 9b. TR-45.4 Subcommittee

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

### 9c. TR-45.5 Subcommittee

O. Pearson presented document .05 as the written 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 plans are to approve the document for ballot out of the January 2013 JCOEXIST meeting. The next joint co-existence session is scheduled for 21-22 January 2013.

**9d. TR-45.8 Subcommittee**

B. Covell provided document .06 with attachments A-C as the TR-45.8 report to TR-45 for information. TIA was requested to provide status regarding re-assigning former TR-45.2 and TR-45.6 documents to TR-45.8. TR-45.8 reported that it anticipates no additional input to the GSC TF Report on Emergency Communications. TIA expressed an interest in any ongoing work regarding small cells.

Regarding JCMAS, it was reported that revisions of J-STD-100, J-STD-101.a, and J-STD-102 ballots were completed in early November 2012 and the documents were approved for publication at the 30 November 2012 ATIS WTSC plenary. TR-45.8 expects to approve the documents for publication at the 14 December 2012 meeting. In addition, plans are to move forward on a new project for Canadian Commercial Mobile Alerts Service (CMAS).

Regarding JSMS911, it was reported that significant progress has been made on the JSMS911 work item with plans to approve for publication in 1Q13.

Action TR45/2012-12-01

TIA was requested to provide status regarding reassigning former TR-45.2 and TR-45.6 documents to TR-45.8.

Action TR45/2012-12-02

TR-45.5 and TR-45.8 were requested to provide any information to C.Blum of TIA regarding ongoing work on small cell technology. In addition, TIA asked the CDG to provide information, if any.

**9e. Ad Hoc on Authentication Group (AHAG)**

Document .07 was provided by F.Quick as the AHAG report to TR-45 for information. It was reiterated that TIA-946-A “Enhanced Cryptographic Algorithms” is due for reaffirmation in May 2013 and that the March 2013 TR-45 meeting agenda will include the reaffirmation vote for TIA-946-A. A note will be placed on the agenda for voters to contact TIA if access to a copy of the standard is required prior to the reaffirmation vote.

- Recommendation to Vote for Reaffirmation of TIA-1091 “IMS Security Framework”  
Considering that TIA-1091 was transferred with the Common IMS documents to 3GPP to maintain going forward, it was noted that the 3GPP documents supersede TIA-1091. It was agreed that TIA-1091 should be withdrawn as opposed to reaffirmed. There was no vote to reaffirm TIA-1091. There was a vote to withdraw TIA-1091. A motion to withdraw TIA-1091 was made by B.Covell and seconded by G. Pellegrino. There were no objections with one abstain to the motion.

Document .06C was provided for information. Document .06C lists the TIA standards included in the Common IMS transfer to 3GPP. It was reported that an agreement had been reached between TIA and TR-45.8 in October 2012 such that the set of documents transferred should be withdrawn by TIA with a pointer on the TIA website to the 3GPP2 website which would in turn point to the 3GPP website to the current version of the documents.

TR-45.5 agreed to take a closer look at TIA-1078 to determine whether or not the standard needs to be withdrawn. In addition, it was noted that TR-45.8 had shared its plans with TIA to withdraw transferred standards.

Action TR45/2012-12-03

TR-45.5 plans to review the list of standards provided in document .06c to determine whether or not any TR-45.5 standards need to be withdrawn.

- Recommendation to Vote for Reaffirmation of TIA-1098-A “Generic Bootstrapping Architecture (GBA) Framework”

A motion to withdraw TIA-1098-A “Generic Bootstrapping Architecture (GBA) Framework” was made by F.Quick and seconded by B.Covell. There were no objections and no abstains to the motion.

Action TR45/2012-12-04

The AHAG Chair will submit the Standards Status Change form to withdraw TIA-1091 “IMS Security Framework”.

Action TR45/2012-12-05

The Chair will submit the Standard Status Change form to reaffirm TIA-1098-A “Generic Bootstrapping Architecture (GBA) Framework”.

**9f. AHG on Electronic Media Documentation (AHM)**

P.Nurse provided document .08 for information.

**9g. AHG on ESN/UIM/MEID (EUMAG)**

Document .09 was provided by G.Pellegrino as the TR-45 ESN/UIM/MEID Ad Hoc Group (EUMAG) report to TR-45 for information. An update on the TIA MEID database implementation progress was provided in document .09a. It was noted that the targeted development of Phase I was anticipated for completion on 15 December 2012

- **MEID Administrator’s Report**

On behalf of J.Derr, G. Pellegrino presented Document .12, MEID Administration Reports, provided for information. It was noted that several additional MEID reports will be provided in the coming weeks.

- **ESN and UIM\_ID Administrator’s Report**

J.Derr provided a brief verbal report.

**9h. J-STD-025 Series Report**

Document .11, the J-STD-025 Series TR-45 activity status table, was provided for information by G.Pellegrino. It was noted that TIA and ATIS coordinated a 45-day ANSI ballot of Addendum 3 to J-STD-025-B (which allows a carrier to deliver to LEA the full BSID for location, when authorized, on cdma2000 packet data intercepts) per the joint TIA/ATIS MoU. Both ballots closed successfully and ballot comment resolution was conducted during a joint meeting held on 04 October 2012.

A motion was made by J.Brownley and seconded by G. Pellegrino to approve the joint TIA TR-45 / ATIS WTSC and PTSC report of the joint meeting held on 04 October 2012 as provided in document .13. The motion passed with no objections and no abstains.

- **Recommendation to Vote to Publish ANSI/J-STD-PN-025-B-3 (Addendum 3 of J-STD-025-B, "Lawfully Authorized Electronic Surveillance – Addition of BSID or Subnet")**

A motion was made by J.Brownley and seconded by G. Pellegrino to approve ANSI/J-STD-PN-025-B-3 for publication as Addendum 3 of J-STD-025-B, "Lawfully Authorized Electronic Surveillance – Addition of BSID or Subnet" as provided in document .14. The motion passed with no objections and no abstains.

Document .26 was provided for information. It was noted that on 27 November 2012 ATIS WTSC approved Addendum 3 to J-STD-025-B for publication. It was noted that on 06 December 2012 ATIS PTSC approved Addendum 3 to J-STD-025-B for publication.

Action TR45/2012-12-06

The Chair agreed to submit the Publication Authorization Form for Addendum 3 of J-STD-025-B with a comment that publication as an ANSI standards should be coordinated between TIA and ATIS staff per the joint TIA/ATIS MoU.

**9i. OID Administrators Report**

There was nothing to report.

## 10. Old Business

### 10a. TIA Republication Text

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.

### 10b. ITU-R Recommendation M.1457 Schedule and Updates

Updates to the IMT-2000 technologies TDMA-SC and CDMA-MC for ITU-R Recommendation M.1457-11 met the October 2012 WP5D submission deadline. Documents .16, .18, .20, .21, and .27 were provided for information relative to the updates.

### 10c. OneM2M-M2M Global Initiative for M2M Standardization

It was noted that representatives from TR-45 participated in the inaugural meeting of the oneM2M Technical Plenary (TP#1) held 24-28 September 2012 in Nice, France. TR-45 (via TIA) submitted a Liaison Statement (LS) to the oneM2M TP#1 regarding cdma2000 access technology requirements for M2M. The LS identified three TR-45 published M2M document as information for consideration and reference and not for potential transfer to oneM2M. TR-45 requested that during the oneM2M development of application layer specifications, that oneM2M take into consideration the cdma2000 transport requirements for M2M such that the cdma2000 access technologies can continue to support M2M devices and their applications. Documents .17 and .23 were provided for information per the TR-45 oneM2M activities described above.

### 10d. Watermarks on Complimentary Copies of Standards

TIA held a conference call on Wednesday 19 September 2012 that addressed an issue raised during a previous TIA TSSC meeting regarding the watermarks on complimentary copies of standards. A suggestion was made that the complimentary copy's watermark be personalized to the voting member company, as apposed to the specific individual voter of the ballot. The TIA decision was to retain the specific individual voters' names in the watermarks. Document .42, which contains the TIA conference call meeting information, was provided for information.

Action TR45/2012-12-07

TIA took an action to clarify the Copyright on slide 4, in particular, the contradiction between dash 2 (above) and dash 4 (below) in document .42.

### 10e. Invitation to Update TIA TSB-10 "Interference Criteria for Microwave Systems"

During the TIA Technical Committee (TC) meeting held 02 August 2012, TR-45 was invited to review TSB-10 "Interference Criteria for Microwave Systems" for consideration for transfer of the document to TR-45 to update and maintain going forward. During the TR-45 meeting held 5-6 September 2012, TR-45 reviewed and discussed TSB-10. There was lengthy discussion that raised several concerns regarding whether or not TR-45 is a good fit for TSB-10 without the specialized support required. The TR-45 comments and questions including concerns, conclusions, and recommendations are contained in document .32 provided for information.

During the TIA TSSC meeting held 30 October 2012, it was noted that TIA strongly wishes to retain the work on TSB-10 in TIA. The TR-45 Chair noted that with the specialized support required, TR-45 would be able to establish a Working Group to update TSB-10. Document .40 from NSMA invites TR-45 members to participate in the upcoming NSMA WG3 meeting on 18 December 2012 and provides TR-45 with a developing list of "candidates" for revision or additions to TSB-10. Document .40 was provided to TR-45 for information for consideration.

TR-45 extended an invitation to National Spectrum Management Association (NSMA) WG3 members to introduce document .40 and to participate in the discussion of TSB-10 during the TR-45 meeting on Friday 7 December 2012. TR-45 was delighted that eight people called-in for the discussion as listed in the table under agenda item 3. Document .46 was provided for information to help facilitate discussion on proposed TR-45 options for revisions to TSB-10-F and a proposed new Working Group in TR-45. It was noted that the Fixed



Wireless Communication Coalition (FWCC) is also interested in supporting this work. After lengthy discussion and with the demonstrated support for the work, TR-45 agreed in principle to establish a new Working Group to address the work on revisions to TSB-10-F subject to:

- (1) subject matter expert (SME) participation in the new WG,
- (2) approved updates to the TR-45 scope and charter to address the work, and
- (3) a cooperative agreement or MoU between TIA and NSMA.

The next steps relative to revisions to TSB-10-F are provided below via Actions TR45/2012-12-22 through -26. The target launch date for this work is no later than the next TR-45 meeting scheduled for 6-7 March 2013.

Action TR45/2012-12-22

TIA and NSMA plans to hold a call to discuss joint work on revision to TSB-10-F and any cooperative agreements that need to be put in place.

Action TR45/2012-12-23

TR-45 plans to conduct an email discussion to review and propose a broad update to its scope and charter and seek approval from TR-45. Once approved, then TR-45 will seek approval to establish a new WG under TR-45 to address work on revision to TSB-10-F.

Action TR45/2012-12-24

TIA supported by TR-45 agreed to work with those on the call to identify a potential convener/chair for the new WG and also resources to participate in WG, editor for document, etc.

Action TR45/2012-12-25

TR-45 Chair agreed to provide a copy of the report of the 6-7 December 2012 TR-45 meeting to L. Sutliff of NSMA WG3 for information.

Action TR45/2012-12-26

TIA agreed to identify any other documents under the auspices of the former TR-14.11 that might come under this new WG in TR-45.

**10f. GSC Task Force Report on Emergency Communications**

It was noted that on the request of TIA to meet a 26 October 2012 deadline, the TR-45 Chair provided preliminary input to the GSC TF Report on Emergency Communications for inclusion in Sections 5.1.2, 6.1.2, and 6.2 relative to American standards. The preliminary input provided a summary of TR-45 standards activities related to emergency services communications including a list of published TIA and joint standards. At the last TR-45 meeting held 5-6 September 2012 the GSC TF report on Emergency Communications was remanded to TR-45.5 and TR-45.8 for review and to generate inputs with their inputs to be provided to TR-45 to submit to the GSC TF by end-of-year 2012. Subsequent versions of the Report provided in documents .33, .34, and .39. were advance remanded to TR-45.5 and TR-45.8. Documents .33, .34, and .39 were provided to TR-45 for information. It was noted that 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.

**10g. TIA Submission to the NIST SGIP Catalog of Standards**

Document .19 contains the TIA submission of the cdma2000 Technology Standards to NIST SGIP for inclusion in the SGIP Catalog of Standards. Document .19 was provided for information to TR-45.

**10h. Liaison from 3GPP to ITU-T SG11 Re: Response to LS on feedback on Supplement 62 to ITU-T Q Series Recommendations**

Document .22 contains a Liaison Statement from ITU-T SG11 Q13 regarding "Response LS to draft revised Supplement TRQ.ETS-overview (Supp.62)." This response has already been provided to TR-45.8. Document .22 is being provided to TR-45 for information. No further action is required of TR-45.8 or TR-45.

**11. New Business**

**11a. NIST PAP02 Wireless Communications for the Smart Grid v2.0**

Document .24 provided to TR-45 for information contains sections of the NIST PAP02 document on Wireless Communications for the Smart Grid v2.0. The document is a follow on to specific sections in the previous Guidelines v1.0 and accepted into the SGIP Catalog of Standards. Document review is underway in TR-45.5 in conjunction with 3GPP2 WG-3. Comments, if any, will be provided directly from TR-45.5 to NIST PAP2. It was noted that when the document is approved and published that the standards within the document will be considered part of the SGIP Catalog of Standards.

**11b. ITU-R IMT-2000 (M.1457) and IMT-Advanced (M.2012) Update Processes**

Documents .25 and .47 contain email from/to S.Blust of AT&T regarding the update processes for ITU-R WP5D IMT-2000 (M.1457) and IMT-Advanced (M.2012). The key issues are (1) the timing of annual updates either the same year or staggered years and (2) "cloning" the M.2012 update process for M.1457. Documents .25 and .47 were provided for information to TR-45.

Action TR45/2012-12-08

Documents .25 and .47 were remand to TR-45.5 to review and provide comments, if any.

**11c. Liaison from ITU-R 5D Re: Revision 12 of Recommendation ITU-R M.1457 Schedule**

Document .30 contains a Liaison Statement (LS) from ITU-R WP5D regarding Revision 12 of Recommendation ITU-R M.1457. In the LS "*WP5D announces that it intends to submit the next draft revision of Recommendation ITU-R M.1457 (i.e., Revision 12) to SG 5 (also encompassing the transposition references) at the end of year 2014.*" Document .30 was provided for information.

Action TR45/2012-12-09

Document .30 was remanded to TR-45.3 and TR-45.5 for action as appropriate. It was noted that both TR-45.5 and TR-45.3 had already received the LS directly from 5D.

**11d. Liaison from ITU-R 5D Re: Base Station Antennas for IMT Systems**

Document .29 contains a Liaison Statement from ITU-R 5D regarding technical and operational aspects of passive and active base station antennas for IMT systems. Document .29 was provided for information.

Action TR45/2012-12-10

Document .29 was remanded to TR-45.5 for action as appropriate. It was noted that TR-45.5 had already received the LS directly from 5D.

**11e. Liaison from ITU-R 5D Re: IMT for Broadband PPDR Applications**

Document .31 contains a Liaison Statement from ITU-R 5D regarding an invitation to provide input material for development of a working document toward a preliminary draft new report on "*the use of IMT for Broadband PPDR (Public Protection and Disaster Relief) applications.*" Input contributions were requested by 23 January 2013. Document .31 was provided for information.

Action TR45/2012-12-11

Document .31 was remanded to TR-45.5 for action as appropriate. It was noted that TR-45.5 had already received the LS directly from 5D.

**11f. Liaison from ITU-R 5A Re: ITU-R M.1450-4 "Characteristics of broadband radio local area networks"**

Document .35 contains a Liaison Statement from ITU-R WP5A regarding a request for input for a revision of Recommendation ITU-R M.1450-4 "Characteristics of broadband radio local area networks." Updated and/or new material for the revision of M.1450 was requested by 13 May 2013. Document .35 was provided for information.

Action TR45/2012-12-12

Document .35 was remanded to TR-45.5 for action as appropriate. It was noted that TR-45.5 had already received the LS directly from 5A.

**11g. Liaison from ITU-R 5A Re: BWA Systems in the Fixed Service Operating Below 66 GHz**

Document .37 contains a Liaison Statement from 5A regarding Recommendation F.1763 that identifies “radio interface standards for broadband wireless access (BWA) systems in the fixed service operating below 66 GHz, and addresses profiles for the recommended interoperability standards.” Inputs to 5A are due by 13 May 2013. Document .37 was provided for information.

Action TR45/2012-12-13

Document .37 was remanded to TR-45.5 for action as appropriate. It was noted that TR-45.5 had already received the LS directly from 5A.

**11h. Liaison from ITU-R 5A Re: WRC-15 Agenda item 1.1 – Consideration of spectrum estimates for terrestrial mobile broadband (excluding IMT) applications**

Document .38 was provided for information. It was suggested that this Liaison Statement could be very important to the interest of wireless mobile parties (e.g., TR-45) because some in 5A may want to steer this toward RLAN (WiFi only.)

Action TR45/2012-12-14

Document .38 was remanded to TR-45.5 for action as appropriate. It was noted that TR-45.5 had already received the LS directly from 5A.

**11i. Liaison from ITU-R 5A Re: Mobile Communications with Aircraft**

Document .36 contains a Liaison Statement from 5A regarding “*The preliminary draft new Report ITU-R M.[LMS.ATG] describes the general principles, technical characteristics and operational features of terrestrial systems for public mobile communications with aircraft.*” Inputs to 5A are due by 13 May 2013. Document .36 was provided for information.

Action TR45/2012-12-15

Document .36 was remanded to TR-45.5 for action as appropriate. It was noted that TR-45.5 had already received the LS directly from 5A.

**11j. Distributed Antenna Systems (DAS) – TR-42 Support Request**

At the last TIA TSSC meeting held on 30 October 2012, TR-42 requested TR-45 and TR-8 member companies’ support for the work in TR-42 relative to Distribute Antenna Systems (DAS.) Document .43 was provided for information. No action required of TR-45 at this time.

**11k. NIST SP 800-164 “DRAFT Guidelines on Hardware-Rooted Security in Mobile Devices”**

Document .44 was provided for information for consideration. It was suggested that TIA provide comments to NIST.

Action TR45/2012-12-16

Document .44 was remanded to the AHAG for review and comments, if any. Comments are to be provided directly to Brain Scarpelli of TIA by Wednesday 12 December 2012.

**11l. Document Guidelines**

Document .45r1 was provided for information for consideration. There were no objections to inclusion of the bullet below.

- Please note that TIA may add on the publication cover the cdma2000® trademark symbol when cdma2000 appears in the title of the document.

Action TR45/2012-12-17

Document .45r1 was remanded to TR-45.4 for information.

**12. Liaison Reports**

**12a. CTIA**

There was no report.

1 Action TR45/2012-12-18

2 The Chair agreed to contact CTIA regarding a Liaison to TR-45 and to request that CTIA share information  
3 regarding the CTIA Security WG.

4  
5 **12b. ITU-T**

6 There was no report.

7  
8 **12c. ITU-R**

9 There was no report. J.Ragsdale provided a brief verbal report. It was noted that the Joint Task Group JTG-4567  
10 methodology is used to estimate spectrum for inputs to the World Radio Conference (WRC) and that the 5D  
11 methodology (M.1768) used to estimate spectrum improves accuracy.

12  
13 Action TR45/2012-12-19

14 The Chair agreed to contact M.Epstein regarding the Liaison to TR-45.

15  
16 **12d. CITELE**

17 There was no report.

18  
19 **12e. Wireless Communication Division (WCD)**

20 There was no report.

21  
22 **12f. TIA**

23 Document .41 was provided for information.

24  
25 **12g. 3GPP2**

26 There was no report.

27  
28 **12h. 3GPP**

29 There was not report.

30  
31 **12i. ATIS**

32 There was no report.

33  
34 Action TR45/2012-12-20

35 The Chair agreed to contact ATIS regarding a Liaison to TR-45.

36  
37 **12j. IFAST**

38 Document .10, the IFAST liaison report, was provided. TR-45.3 raised a questions regarding the ability to  
39 identify 136 standards use world-wide.

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41 Action TR45/2012-12-21

42 G. Pellegrino took an action to contact E.Hall to address TR-45.3 question regarding 136 standards use world-  
43 wide.

44  
45 **13. Review Assignments**

46 The assignments are provided and numbered as “Action TR45/2012-12-xx” throughout the meeting report.

47  
48 **14. Review Meeting Schedules**

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50 **14a. TR-45 2013 Schedule**

51 Document .15, the 2013 TR-45 meeting dates, was provided for information.

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53 **14b. Subcommittee 2012 Schedules**

54 It was noted that the Subcommittees’ 2012 schedules were provided in documents .03, .04, .05, and .06.

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**15. Open Discussion**

There was no additional discussion.

**16. 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 10:00 AM local time 07 December 2012.

Jane C. Brownley  
Chair  
Engineering Committee TR-45