

Approved by General Counsel

TR-45 Meeting Report

Date(s): 03/04/2015 - 03/04/2015

Location: San Diego, CA

Approved: 03/20/2015

Telecommunication Industry Association (TIA)
TR-45 Committee
Mobile & Personal Communications Standards
Report of Meeting
04 March 2015

1. Call to Order & Opening Remarks

The TR-45 Committee was convened on 04 March 2015 at the Qualcomm Offices 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 and thanked Qualcomm for hosting the meeting.

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 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. CommFlow Resources	G. Pellegrino	X	X
3. Ericsson	J. Ragsdale	X	X
4. Qualcomm, Inc	D. Ott	X	X
5. Sprint	S. Manning		X

Quorum List – Members Absent			
Member	Representative	Attendance	
		Last	Prior
6. Cellular Networking Perspectives (CNP)	D. Crowe	X	X
7. Cisco	F. O' Brien		X
8. Mobility Development Group (MDG)	D. Martel	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	O. Pearson
2. IFAST	D. Crowe
3. TIA	S. Montgomery

4. Agenda Review & Approval

A motion was made by G. Pellegrino and seconded by D.Ott to approve the meeting agenda provided in document .01r2. The motion passed with no objections.

Chair's Note, the meeting agenda provided in document .01r3 as amended during the course of the meeting is available at http://ftp.tiaonline.org/TR-45/TR-45_MAIN/WORKING/2015mar.

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
TR45/15.03.04.00r2	Submission & Contribution Assignment List	J.Brownley Chair	6
TR45/15.03.04.01r3	Meeting Agenda	J.Brownley Chair	4
TR45/15.03.04.02	TR-45 Meeting Report of 8 December 2014	J.Brownley Chair	7
TR45/15.03.04.03/a	TR-45.3 Report	J. Ragsdale Acting Chair	8a, 13b
TR45/15.03.04.04	TR-45.4 Report	D. Ott Chair TR-45.4	8b, 13b
TR45/15.03.04.05	TR-45.5 Report	O. Pearson Chair TR-45.5	8c, 13b
TR45/15.03.04.06	TR-45.8 Report	D.Crowe Chair TR-45.8	8d, 13b
TR45/15.03.04.07r1/a	TR-45 Working Group on Microwave Systems Report	G.Kizer Chair TR-45 WG on MS	8i
TR45/15.03.04.08/a	LS from ITU-R WP5D on Certification C for Draft Revision 2 of Recommendation ITU-R M.2012	S. Buonomo Counsellor, ITU-R SG 5	10a
TR45/15.03.04.09/a	AHG on ESN/UIM/MEID Report	G. Pellegrino Chair AHG on ESN/UIM/MEID	8f
TR45/15.03.04.10	IFAST Liaison Report	E. Hall IFAST Liaison	11i
TR45/15.03.04.11	ITU-R Liaison Report	J. Ragsdale ITU-R Liaison	11c
TR45/15.03.04.12	< number not used >		
TR45/15.03.04.13/a	LS from ITU-R WP5D requesting an update on IMT activities on "5G" developments	S. Buonomo Counsellor, ITU-R SG 5	10b
TR45/15.03.04.14r1	Proposed TR45.4+.5 merged scope+charter	D. Ott Chair TR-45.4	8b, 8c
TR45/15.03.04.15	TR-45 Meeting Schedule for 2015	J.Brownley Chair	13a
TR45/15.03.04.16/a	TIA Intent to Update Recommendation ITU-R M.1457 to Revision 13	O. Pearson Chair TR-45.5	9a

TR45/15.03.04.17/a	TIA Input towards Working Document regarding a preliminary draft new ITU-R Report on the Smart Grid Report	O. Pearson Chair TR-45.5	9b
TR45/15.03.04.18/a	Liaison Statement - Preliminary draft new Report ITU-R M.[IMT.ABOVE 6 GHz]	S. Buonomo Counsellor, ITU-R SG 5	10c
TR45/15.03.04.19/a	Detailed Workplan, Timeline, Process and Deliverables for the future development of IMT	S. Buonomo Counsellor, ITU-R SG 5	10d

7. Review of Meeting Report from Previous Meetings

The TR-45 Committee 08 December 2014 meeting report numbered TR45/15.03.04.02 was provided. The meeting report was approved 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.

- Recommendation to render Subcommittee TR-45.3 dormant
There were objections to the recommendation that TR-45.3 go into hibernation. Jim Ragsdale was thanked for his continued support of TR-45.3 over the years.

Action TR45/2015-03-01:

TIA staff agreed to take administrative action to withdrawal the TR-45.3 American National Standards (ANS) and move the TR-45.3 ANS to TIA standards. It was noted that no action is required relative to TR-45.3 TIA standards.

8b. TR-45.4 Subcommittee

D.Ott presented document .04, the TR-45.4 report to TR-45 for information. A motion was made by D.Ott and seconded by O.Pearson to disband TR-45.4 and move the work of TR-45.4 to TR-45.5 going forward. There were no objections to the motion. David Ott was thanked for his continued support of TR-45.4 over the years. Discussion of document .14 was deferred to agenda item 8c.

Action TR45/2015-03-02:

The meeting summary of the last TR-45.4 will be provided to the TR-45.5 Chair from the TR-45.4 Chair. A list of the TR-45.4 quorum member companies will be provided to the TR-45.5 Chair from TR-45.4 Chair.

Action TR45/2015-03-03:

TIA staff will move the members of the TR-45.4 e-mail distribution list to the TR-45.5 e-mail distribution list. In addition, an e-mail will be sent to the TR-45.4 members to indicate that TR-45.4 has been disbanded and the work moved to TR45.5 going forward.

Action TR45/2015-03-04:

The Chair will remove the TR-45.4 Report from the TR-45 standing agenda items.

8c. TR-45.5 Subcommittee

O. Pearson presented document .05 as the TR-45.5 report to TR-45 for information. Document .05a was provided for information. Document .14 the new scope and charter of TR-45.5 that incorporates the work of TR-45.4 was approved with no objections. It was noted that TR-45.5 plans to hold the vice-chair election during its upcoming meeting in May 2015.

1 Action TR45/2015-03-05:

2 TIA staff will upload the revised TR-45.5 scope and charter to the TIA website and remove TR-45.4
3 scope and charter.
4

5 **8d. TR-45.8 Subcommittee**

6 D.Crowe presented document .06 as the TR-45.8 report to TR-45 for information.
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8 **8e. Ad Hoc on Authentication Group (AHAG)**

9 F.Quick resigned as the Chair of the AHAG. The current Vice-Chair of the AHAG, Simon Mizikovsky
10 of Alcatel-Lucent agreed to serve as the new Chair. Frank Quick was thanked for his years of service
11 and support of the TIA and the TR-45 AHAG. There was no AHAG report at this time.
12

13 Action TR45/2015-03-06:

14 The Chair will work with TIA to provide a plaque of appreciation to F.Quick on behalf of TR-45.
15

16 **8f. AHG on ESN/UIM/MEID (EUMAG)**

17 Document .09 was provided by G.Pellegrino as the TR-45 ESN/UIM/MEID Ad Hoc Group (EUMAG)
18 report to TR-45 for information.
19

20 • **MEID Administrator's Report**

21 There was no report. It was noted that assignments are being made.
22

23 • **ESN and UIM_ID Administrator's Report**

24 There was no report.
25

26 **8g. J-STD-025 Series Report**

27 There was nothing to report, at this time.
28

29 **8h. OID Administrators Report**

30 There was nothing to report, at this time.
31

32 **8i. TR-45 Working Group on Microwave Systems**

33 Document .07 was provided as a written report. It was noted that the document is close to completion.
34 There was a suggestion with no objections that a formal Verification & Validation (V&V) review of the
35 completed document by the formulating committee and the Working Group be conducted prior to
36 consideration for approval for ballot to ensure that the content complies with TIA Style Guide and ANS
37 requirements. Furthermore, it was noted that a V&V review provides the opportunity for "refresh eyes"
38 not part of the development process to review the document.
39

40 Action TR45/2015-03-07:

41 The Chair will request that the Working Group provide a draft of the standard at the next TR-45
42 meeting in June 2015.
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44 Action TR45/2015-03-08:

45 The Chair will request that the formulating committee and the Working Group conduct a Verification &
46 Validation (V&V) review of the completed document prior to formulating group consideration for
47 approval for ANSI ballot.
48

49 **9. Old Business**

50 **9a. Updates to Recommendation ITU-R M.1457 to Revision 13**

51 Document .16 was provided for information.
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Action TR45/2015-03-09:

J.Ragsdale, the TR-45 ITU-R Liaison, will be on the copyto of all TIA submissions to the ITU related to TR-45 and its Subcommittees.

9b. Input towards the Preliminary Draft New ITU-R Report on the Smart Grid Report

Document .17 was provided for information.

10. New Business

10a. LS from ITU-R WP5D on Provision of transposition references and Certification C for Draft Revision 2 of Recommendation ITU-R M.2012

Document .08 was provided for information.

10b. LS from ITU-R WP5D requesting an update on IMT activities regarding “5G” development

Documents .13 was provided for information.

10c. LS from ITU-R WP5D on Preliminary draft new Report ITU-R M.[IMT.ABOVE 6 GHz]

Document .18 was provided for information.

10d. LS from ITU-R WP5D on Detailed Workplan, Timeline, Process and Deliverables for the future development of IMT

Document .19 was provided for information.

Action TR45/2015-03-10:

Document .19 was remanded to TR-45.8 for information.

11. Liaison Reports

11a. CTIA

There was no report.

11b. ITU-T

There was no report.

11c. ITU-R

J.Ragsdale provided document .11 as a written report for information.

11d. CITELE

There was no report.

11e. TIA

S.Montgomery provided a brief verbal report and shared information about changes with TIA staff.

- TIA Style Manual

It was noted that TIA Style Manual draft comments were received and reviewed. Plans are to conduct another round of review for additional comments. Approval of the TIA Style Manual is anticipated at the July 2015 TSSC meeting.

- TIA and 5G

It was noted that TIA has been getting additional “asks” from other SDOs as well as TIA Board member companies relative to TIA involvement in 5G. TR-45 member companies were encouraged to share their thoughts and comments regarding TIA involvement in 5G, in particular, as a repository for 5G in U.S., value to the member companies, a possible joint TIA/ATIS initiative on 5G in N.A. TIA anticipates that there will be a TIA 5G initiative in 2016.

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1 **11f. 3GPP2**

2 J.Brownley provided a brief verbal report.

3
4 **11g. 3GPP**

5 There was no report.

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7 **11h. ATIS**

8 There was no report.

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10 **11i. IFAST**

11 On behalf of E.Hall, D.Crowe presented document .10, the IFAST liaison report, for information. It
12 was noted that IFAST is a new TIA member.

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14 **12. Review Assignments**

15 The assignments are provided and numbered as “Action TR45/2015-03-xx” throughout the meeting report.

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17 **13. Review Meeting Schedules**

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19 **13a. TR-45 2015 Schedule**

20 Documents .15 was provided for information.

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22 **13b. Subcommittee 2015 Schedules**

23 It was noted that the Subcommittees’ 2015 schedules were provided in documents .03, .04, .05, and
24 .06.

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26 **14. Open Discussion**

27 None

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29 **15. Adjournment**

30 Having concluded the meeting’s deliberations, a motion was made to adjourn the meeting. The meeting was
31 conducted in accordance with the TIA Legal Guidelines found in the TIA Procedures for American National
32 Standards (PANS) and TIA Engineering Committee Operating Procedures (ECOP) and was adjourned at
33 approximately 4:15pm local time 04 March 2015.

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36
37 Jane C. Brownley
38 Chair
39 Engineering Committee TR-45

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