Approved by General Counsel

TR-45 Meeting Report

Date(s): 12/14/2009 - 12/15/2009

Location: Wailea, HI

Approved: 04/04/2013

Telecommunication Industry Association
TR-45 Committee
Mobile & Personal Communications Standards (TR-45)
(Approved) Report of Meeting
14-15 December 2009
Grand Wailea Hotel, Maui, Hawaii

1. Call to Order & Opening Remarks

The meeting was called to order on 14 December 2009 by the Chair, Jane Brownley at 1:02 PM local time.

2. Important Notice of Participation

The Chair 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 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**
Alcatel-Lucent	J.Brownley	X	X
AT&T	P. Musgrove	X	X
CDMA Development Group	S. Samra	X	X
CommFlow Resources	G. Pellegrino	X	X
Ericsson	M. Bienn (via teleconference)		X
LG Electronics	S. Yoon		X
Qualcomm	F. Quick	X	X
Samsung	K. Green		X
Sigma Delta Communications	P. Nurse (via teleconference)	X	X
Sprint Nextel	S. Manning	X	
ZTE	M. Li		

[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.]

Quorum List – Members Absent		
Member	**Attendance**	
	Last	**Prior**
Motorola		
Verizon	X	X

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Others Present	
Member	**Representative**
Alcatel-Lucent	O. Pearson
Alcatel-Lucent	B. Covell
CDG	D. Crowe
Qualcomm	D. Ott (via teleconference)
TIA	C. Blum
TIA	V. Mitchell
TIA	J. Derr

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3 **4. Agenda Review & Approval**

4 The meeting agenda was reviewed and approved.

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6 **5. Early Disclosure Policy**

7 The Chair informed the meeting attendees of the TIA Patent Policy, per Note 4 on the meeting agenda.

8 There were no comments from the meeting attendees regarding the early disclosure of patents.

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

12 The following documents were numbered and assigned accordingly.

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Number	Title	Source	Agenda Item
TR45/09.12.14.00r4	Submission & Contribution Assignment List	J.Brownley Chair	6
TR45/09.12.14.01r4	Meeting Agenda	J.Brownley Chair	4
TR45/09.12.14.02	TR-45 Meeting Report of September 2-3, 2009	J.Brownley Chair	7
TR45/09.12.14.03	Report of TR-45.3 to TR-45	P. Musgrove Chair TR-45.3	8a, 13b
TR45/09.12.14.04	TR-45.4 Report	G. Turnipseed Chair TR-45.4	8b, 10l, 13b
TR45/09.12.14.05/a/b	TR-45.5 Report	O. Pearson Chair TR-45.5	8c, 13b
TR45/09.12.14.06/a/b/c	TR-45.8 Report to TR-45	B.Covell Chair TR-45.8	8d, 13b
TR45/09.12.14.07	AHAG Report	F. Quick Chair AHAG	8e
TR45/09.12.14.08	AHEM Report	P. Nurse Chair AHEM	8f

Number	Title	Source	Agenda Item
TR45/09.12.14.09/a/b	AHG on ESN/UIM/MEID Report	G. Pellegrino Chair AHG on ESN/UIM/MEID	8g
TR45/09.12.14.10	ESN Administrator's Report	J. Derr ESN Administrator	8g
TR45/09.12.14.11/a	MEID Administrator's Report	A. Dryden MEID Administrator	8g
TR45/09.12.14.12	UIM_ID Administrator's Report	A. Dryden UIM_ID Administrator	8g
TR45/09.12.14.13r1	AHIMT Report	P. Nurse Chair AHIMT	8h
TR45/09.12.14.14	TR-45 Meeting Report of October 2, 2009	J. Brownley Chair	7
TR45/09.12.14.15	TR-45 2010 Meeting Schedule	V. Mitchell Secretary	13a
TR45/09.12.14.16	IFAST Liaison Report	E. Hall IFAST Liaison	11j
TR45/09.12.14.17	Correspondence from TIA to ATIS Re: Proposed New Joint ATIS/TIA Project	V. Mitchell TIA	9a
TR45/09.12.14.18/a/b	Correspondence to/from ITU Re: Programme for the 3rd Workshop on IMT-Advanced	P. Nurse Chair TR-45.AHIMT	8h
TR45/09.12.14.19/a/b	Correspondence from TIA Re: Agencies, Industry Dragging Feet on Emergency Alert Systems	C. Blum TIA	10g
TR45/09.12.14.20r1	Correspondence to/from CDG Re: LGE Proposal on MEID Migration Issues	G. Flynn Vice Chair TR-45	8g
TR45/09.12.14.21r1	Correspondence to 3GPP2 Re: LGE Proposal on MEID Migration Issues	G. Flynn Vice Chair TR-45	8g
TR45/09.12.14.22r1/a/b	Correspondence from ATIS Re: Re-designation of T1 standards	J. Emard ATIS	10h
TR45/09.12.14.23/a	Correspondence to ITU Re: TIA TR-45.5 Response to WP 5A re: M.2116	O. Pearson Chair TR-45.5	8c
TR45/09.12.14.24	Correspondence from TR45.8 to P.Musgrove Re: New Joint ATIS/TIA CMAS Project	B. Covell Chair TR-45.8	9a
TR45/09.12.14.25r1	Correspondence from TIA Re: TIA Smart Device Communications	C. Blum TIA	9d

Number	Title	Source	Agenda Item
TR45/09.12.14.26	CDMA Numbering Roundtable in Mumbai, India on Tuesday 3 November 2009	TIA & CDG	10f
TR45/09.12.14.27/a	Correspondence from 3GPP2 to ITU-T SG2 Re: Land Mobile Broadcast Capabilities	B. Covell Chair 3GPP2 TSG-X	10e
TR45/09.12.14.28r1	Correspondence from Re: JEM 01 Liaison Summary and Action Report	G. Pellegrino JEM Moderator	9c
TR45/09.12.14.29	TR-45 Report to TIA TSSC, TC	J. Brownley Chair	11f
TR45/09.12.14.30r1	J-025 Series Impacts Re: ATIS Re-designation of T1 standards	G. Pellegrino	8i, 10h
TR45/09.12.14.31/a/b	Correspondence from TIA Re: TIA standards applicable to Smart Grids	C. Blum TIA	10a
TR45/09.12.14.32	Correspondence from ITU Re: Correspondence Group to facilitate IMT-Advanced Evaluation activities	C. Langtry ITU	8h
TR45/09.12.14.33	Correspondence from TR45.AHIMT Re: Correspondence Group to facilitate IMT-Advanced Evaluation activities	P. Nurse Chair TR-45.AHIMT	8h
TR45/09.12.14.34	Correspondence from Proponents of LTE-Advanced and 3GPP Re: Invitation letter to LTE-Advanced evaluation workshop from 17th~18th, Dec., 2009, Beijing - Update	China Mobile	8h
TR45/09.12.14.35	Correspondence from IEEE Re: IEEE 802.16 IMT-Advanced Evaluation Group Coordination	R. Marks IEEE	8h
TR45/09.12.14.36/a	Correspondence from TR-45.4 Re: ARIN Presentation on IPv4 depletion and IPv6 adoption	D. Ott Vice Chair TR-45.4	8b
TR45/09.12.14.37	Correspondence from TR-45.5 Re: TIA standards applicable, can be used by Smart Grids	O. Pearson Chair TR-45.5	10a
TR45/09.12.14.38	Correspondence from TR-45.8 Re: TIA standards applicable to Smart Grids	B. Covell Chair TR-45.8	10a
TR45/09.12.14.39	ITU-R WP 5D Liaison to IMT-Advanced Evaluation Groups	C. Langtry ITU	8h
TR45/09.12.14.40	ITU-R WP5D Liaison Statement to External Organizations Re: IMT parameters for the Band 790-862 MHz for Use by JTG 5-6	C. Langtry ITU	10d

Number	Title	Source	Agenda Item
TR45/09.12.14.41/a	Liaison Statement from ITU-T SG 13 Re: Request for information on Recommendation Q.1742.8	C. Langtry ITU	10c
TR45/09.12.14.42	Correspondence from TIA Re: TIA Proposing MEID and E-UIM_ID Update meeting with China Telecom in Beijing, December 2009	C. Blum TIA	8g
TR45/09.12.14.43	Correspondence from TR-45.AHIMT Re: TR45 membership question	P. Nurse Chair AHIMT	8h
TR45/09.12.14.44	Correspondence Re: Default ballot of PN-3-0361, Femto Security Framework	J. Brownley Chair	8e
TR45/09.12.14.45/a	Correspondence from TIA to TR45 and TR8 Re: Request to complete the PAP#2 Wireless Characterization Matrix for Smart Grid Applications	C. Blum TIA	10b
TR45/09.12.14.46	TR-45 Meeting Report of 27 August 2009	J. Brownley Chair	7
TR45/09.12.14.47	TR-45 Report to 3GPP2 Steering Committee	J. Brownley Chair	11g
TR45/09.12.14.48	TR-45 Meeting Notice 9-10 March 2010	V. Mitchell Secretary	13a
TR45/09.12.14.49	Correspondence from IEEE Re: IEEE 802.16 IMT-Advanced Evaluation Group Coordination Meeting Details	R. Marks IEEE	8h
TR45/09.12.14.50	Correspondence from 3GPP2 Re: V&V Review of S.P0028-E v0.6 OAM&P for cdma2000	N. Yamasaki Chair 3GPP2 TSG-S	10i
TR45/09.12.14.51	Correspondence to 3GPP2 Re: V&V Review of S.P0028-E v0.6 OAM&P for cdma2000	J. Brownley Chair	10i
TR45/09.12.14.52	Correspondence to Motorola Re: TR-45 AHIMT Reflector	P. Nurse Chair TR45.AHIMT	8h
TR45/09.12.14.53	Correspondence from TIA Re: Request to complete of the PAP#2 Wireless Characterization Matrix for Smart Grid Applications - Update	C. Blum TIA	10b
TR45/09.12.14.54	UIM_ID Re-Usage Issue	P. Singh SYSCOM Corporation	10k
TR45/09.12.14.55/a	Correspondence from China Mobile Re: Agenda for LTE-Advanced evaluation workshop from 17th~18th, Dec., 2009, Beijing	L. Guangyi China Mobile	8h

Number	Title	Source	Agenda Item
TR45/09.12.14.56	Correspondence from TR-45.5 Re: PAP#2 Wireless Characterization Matrix for Smart Grid Applications	O. Pearson Chair TR-45.5	10b
TR45/09.12.14.57	Correspondence from/to TR-45 Re: TIA Ballot of PN-3-0336-RV5 OAMP for cdma2000	J. Brownley Chair	10i
TR45/09.12.14.58/ar1	Inaugural meeting of TIA TR-50 Smart Device Communications	S. Montgomery TIA	9d
TR45/09.12.14.59/a	Correspondence from/to TR-45 Re: Map to LTE-Advanced evaluation workshop in Beijing	L. Guangyi China Mobile	8h
TR45/09.12.14.60/a	Correspondence from/to TR-45 Re: ESN Reclamation for Assignment as UIM_ID	N. Yamasaki Chair 3GPP2 TSG-S	8g
TR45/09.12.14.61/a	Correspondence from ZTE to CDG and TIA Re: ESN Assignment After Deadline December 31, 2009	H. Shiyou ZTE	8g
TR45/09.12.14.62	Correspondence from 3GPP2 TSGS to GSMA, TIA GHA Administrator, and TR45.EUMAG Re: Global Wireless Equipment Identifier Numbering Resources & Administration Joint Experts Meeting (JEM)	N. Yamasaki Chair 3GPP2 TSG-S	9c
TR45/09.12.14.63/a	Telecom Finance Review Assurance Standards	L. Khor GRAPA	10m
TR45/09.12.14.64	Correspondence from CDG Re: ESN Reclamation for UIM IDs	P. LaForge Executive Director, CDG	8g
TR45/09.12.14.65r2	Correspondence to TIA ESN Administrator Re: ESN Reuse for UIM_ID Proposal	J. Brownley Chair	8g
TR45/09.12.14.66	Correspondence from ETSI Re: Correspondence Group to facilitate IMT-Advanced Evaluation activities	A.Scrase ETSI	8h
TR45/09.12.14.67/a/b	Correspondence to CDG and TIA Re: Reply to TIA Letter Huawei 2009-11-26	W. Bin Huawei	8g
TR45/09.09.02.30/a	NIST Smart Grid SDO Workshop	D. Su NIST	10b

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

3 Document -02, the meeting summary from the 02-03 September 2009 TR-45 meeting, was approved as

4 presented. Document -14, the meeting summary from the 02 October 2009 TR-45 meeting, was

approved as presented. Document -46, the meeting summary from the 27 August 2009 TR-45 meeting, was approved as presented.

8. Reports

8a. TR-45.3 Subcommittee

Document -03, the TR-45.3 report, was presented. There were no questions for clarification.

8b. TR-45.4 Subcommittee

Document -04, the TR-45.4 report, was presented. There were no questions for clarification. Document -36 was provided for information.

Decision 09/12-01

TR-45 affirmed David Ott, Qualcomm, as the Chair of Subcommittee TR-45.4.

8c. TR-45.5 Subcommittee

Document -05, the TR-45.5 report, and its attachments were presented. Document -23 was provided for information.

Action 09/12-01

TIA will use document -05b, the TR-45.5 document list, when building the TR-45 workplan.

8d. TR-45.8 Subcommittee

Document -06, the TR-45.8 report and attachments were presented. TR-45 members were encouraged to review document -06c, which provides information about the IPv4 exhaustion and IPv4-IPv6 transition in 3GPP2. It was noted that the FrameMaker issue is closed and that a process is available to TIA to issue industry notices.

Action 09/12-02

TR-45 supports the recommendation in document -06 regarding a Broadband Forum (BBF)/3GPP2 relationship (noted in open action item 2c) and asks TIA to continue its investigation into how TIA (through TR-45) could support a BBF/3GPP2 relationship from TIA's perspective.

8e. Ad Hoc on Authentication Group (AHAG)

Document -07, the Authentication Group Ad Hoc (AHAG) report, was presented. Document -44 was provided for information. The AHAG Chair verbally reported that 3GPP SA agrees to the termination of the joint AKA control formal agreement.

Action 09/12-03

The Secretary will remind the TR-45 voting members of the Saturday 02 January 2010 ballot closing date for PN-3-0361/TIA-1169 (Femtocell Security Framework).

Action 09/12-04

The Secretary will confirm the AHAG Chair's ability to review ballot summary information for PN-3-0361 (TIA-1169).

8f.   AHG on Electronic Media Documentation (AHEM)

Document -08, the AHEM report to TR-45, was presented.

Action 09/12-05

Per observation 3 in document -08, TR-45 recommends that TIA consider withdrawing the outdated TIA Style Manual and if not TR-45 recommends that TIA update the Style Manual to reflect current practices. Comments against the Style Manual that were previously forwarded in 2001 for consideration will be "re-opened" by the Secretary during future Style Manual development discussions. D.Ott and D.Crowe took an action to send their comments previously provided in 2001 on the TIA Style Manual to TIA to take into consideration.

Action 09/12-06

TIA will investigate the funding resources available when updating a TIA-only document that was developed in FrameMaker is necessary.

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

Document -09, the TR-45 ESN/UIM/MEID Ad Hoc Group (EUMAG) Meeting Summary w/Comments, was presented. Documents -20r1, -21r1, and -42 were provided for information. The following "TR-45 Plenary Actions" were requests from the EUMAG to TR-45 in document -09.

<TR-45 Plenary Action #1>

EUMAG recommends approval & publication of TR-45 091214-09b ESN Guidelines v2.1. The draft includes modifications to include clarity for return of unused ESN resources and also adds dispute resolution clarification. Also recommend application of the same changes to the specifications SC.R4002 (GHA) and SC.R4004 (UIMID) guidelines that are currently undergoing updates to 3GPP2 TSG-S.

Regarding updates to the ESN Guidelines documents -61 and -67 were reviewed for consideration relative to the last date for receipt of an ESN MFR Code block request.

Decision 09/12-02

TR-45 agreed without objection to extend the last date from "31 December 2009" to the new date "30 June 2010" for receipt of an ESN MFR Code block request. The ESN Guidelines (section 5.13) will be updated to reflect the new date.

Decision 09/12-03

TR-45 approved the EUMAG recommendation to publish the ESN Assignment Guidelines and Procedures v2.1 as amended as provided in document -09br3 and to request respective updates to the 3GPP2 TSG-S documents.

Action 09/12-07

The Editor will provide a clean copy of the ESN Assignment Guidelines and Procedures v2.1 (provided in document -09br3) to the Chair to request that the TIA ESN Administrator post on the TIA website.

Action 09/12-08

Document -09br3 (ESN Assignment Guidelines and Procedures v2.1) will be forwarded to 3GPP2 TSG-

TSG-S, noting that changes to the TSG-S documents (as determined by the TSG) may be needed. Both a clean and a marked copy of the Guidelines will be sent to 3GPP2 TSG-S.

Action 09/12-09
TR-45 will respond to the correspondences in documents -61 and -67. TR-45 will provide a reply to ZTE via email (with copy-to CDG and TIA) regarding the TR-45 decision to extend the ESN assignment deadline to 30 June 2010 and the updated version 2.1 of the ESN Guidelines. A response similar to that being forwarded to ZTE will be emailed to Huawei with a copy-to the CDG and TIA.

<TR-45 Plenary Action #2>
Determine if the recommended LGE proposal should move forward with committee correspondence citing the clear conditions of implementation, including publication of the drafted UIMID and ESN guidelines updates.

Documents -60 and -64 were reviewed for consideration regarding the "LGE Proposal" for ESN reuse for UIM_ID assignment.

Action 09/12-10
Documents -60 and -64, regarding the ESN Reclamation for Assignment as UIM_ID, were remanded to the EUMAG for information.

The TR45.EUMAG Chair agreed to draft proposed TR-45 correspondence to the TIA ESN Administrator, manufacturers, and others to summarize the TR-45 endorsed proposal for ESN reuse for UIM_ID. The draft correspondence was provided in document -65r2 for TR-45 review and approval.

Decision 09/12-04
TR-45 endorsed the proposal for ESN reuse for UIM_ID assignment as provided in document -65r2.

Action 09/12-11
Document -65r2 was approved to be forwarded to the TIA ESN Administrator and copied-to the CDG, IFAST, 3GPP2, 3G America, Rural Cellular Association, TIA, and UIM_ID Administrator.

Action 09/12-12
TR-45 supports posting the MEID Administrator's Report to the TIA site. Recommendation on what to post will be forthcoming from the EUMAG at the next TR-45 meeting in March 2010.

- ESN Administrator's Report
Document -10, the TIA TR-45 ESN Administrator's Report, was presented. There were no comments or questions for clarification.

- MEID Administrator's Report
Two (2) MEID Administrator's Reports were presented in documents -11 and -11a. There were no comments or questions for clarification.

- UIM_ID Administrator's Report

Document -12, the UIM Administration's Report, was provided for information. In addition to the report, it was noted that the requests for UIM_IDs were quite robust in 2009.

8h.   AHG on International Mobile Telecommunications (AHIMT)

Document -13r1, the report of TR-45 AHIMT, was presented. Documents -18, -33, -43, and -52 were provided for information.

The following requests for action by TR-45 were made in document -13r1.

- That TR-45 conducts a meeting by teleconference at 12:15pm Eastern on 2010-02-08 in order to approve and forward the interim report to the next meeting of WP 5D, as requested by WP 5D.

- That TR-45 forward the material in Annex-3 to Colin Langtry to update the information maintained on the ITU-R IMT-Advanced website pertaining to the contact for TR-45.AHIMT.

Decision 09/12-05
TR-45 agreed to hold an interim TR-45 plenary on Monday 08 February 2010 at 12:15 PM Eastern Time.

Decision 09/12-06
TR-45 agreed to forward the material in Annex-3 regarding the updated TR-45 IMT-Advanced Evaluation Group Registration Form to Colin Langtry at the ITU-R WP5D.

Action 09/12-13
The Secretary will generate and distribute a meeting notice for the 08 February 2010 TR-45 interim plenary.

Action 09/12-14
TIA agreed to create a tr45_ahimt_chair@tiacomm.org email reflector.

Action 09/12-15
The Chair will send the updated IMT-Advanced Evaluation Group Registration Form (as provided in Annex 3 of document -13r1) to Colin Langtry at ITU-R WP5D.

Action 09/12-28
Documents -32, -34, -35, -39, -49, -55, -59, and -66 were remanded to the AHIMT to take action as appropriate. It was noted that these documents were previously provided by the TR-45 Chair to the TR45.AHIMT Chair.

8i.   J-STD-025 Series Report

Discussion was deferred to agenda item 10h.

8j.   OID Administrators Report

There was no report.

Action 09/12-16
TIA will identify an OID Administrator.

9. Old Business

9a.   Joint CMAS Standards Development

Document -17, correspondence from TIA to ATIS regarding a proposed New Joint ATIS/TIA Project, and document -24, correspondence from TR-45.8 to P.Musgrove regarding a new joint ATIS/TIA CMAS project, were noted for information. A brief verbal report on the ongoing work was provided by P.Musgrove.

9b.   Joint Enhanced Wireless 9-1-1 (J-STD-036) Standards Development

It was noted that J-STD-036 has been published; therefore, this topic will be removed from future TR-45 meeting agendas.

9c.   Global Wireless Equipment Numbering Identifier Resources and Administration JEM Readout

Action 09/12-17

The following documents were remanded to the EUMAG, for action as appropriate, and will be used as the basis for informal TR-45 input to the 21 January 2010 JEM conference call:
- ➢ Document -28r1, correspondence regarding the JEM 01 Liaison Summary and Action Report
- ➢ Document -62, correspondence from 3GPP2 TSGS to GSMA, TIA GHA Administrator, and TR-45.EUMAG regarding global wireless equipment identifier numbering resources & administration Joint Experts Meeting (JEM)

9d.   TIA Smart Device Communications

Documents -25r1 and -58 were provided for information.

10. New Business

10a.   TIA Standards Applicable to Smart Grids

Document -31 was presented. Documents -37 and -38 were provided for information.

Action 09/12-18

Document -31 and attachments, that provide information on the TIA standards which may be applicable and can be used by Smart Grids, were remanded to the TR-45 Subcommittees, AHAG, and EUMAG Ad Hoc Groups for information. It was noted that document -31 and attachments were previously provided by the TR-45 Chair to the Subcommittees and Ad Hoc Groups to take action prior to the 09 November 2009 deadline.

10b.   Wireless Characterization Matrix for Smart Grid

Action 09/12-19

Documents -45 and -53, correspondence regarding a request to complete the PAP#2 Wireless Characterization Matrix for Smart Grid Applications, were remanded to TR-45.3 and TR-45.5 for action as appropriate. It was noted that the documents were previously provided by the Chair to the TR-45.3 and TR-45.5 Chairs.

Document -56 was presented. It was noted that the NIST contact has received this information and therefore was provided to TR-45 for information. It was noted that TR-45.3 would not be providing input because the ATIS WTSC completed the matrix for the technologies associated with TR-45.3. Document TR45/09.09.02.30 was provided for information.

10c. Liaison from ITU-T SG13 Re: Request for Information on Recommendation Q.1742.8

Document -41 was provided for information. It was noted that a response to the ITU-T SG-13 was being provided by 3GPP2 TSG-X in conjunction with TIA TR-45.8 (as a 3GPP2 OP).

10d. Liaison from ITU Re: JTG 5-6 IMT Parameters

Action 09/12-20
Document -40, a liaison statement regarding JTG 5-6 IMT parameters, was remanded to TR-45.5 and TR-45.3 for review and action as appropriate.

10e. Liaison from ITU-T Re: Land Mobile Broadcast Capabilities

Document -27 was provided for information.

10f. CDMA Numbering Roundtable in Mumbai

Document -26 was provided for information.

10g. Agencies, Industry Dragging Feet on Emergency Alert Systems – IT Business Edge

Document -19 was provided for information. It was noted that ATIS and TIA both made the decision not to respond to the article referenced in the document.

10h. ATIS Re-designation of "TI" Standards

Document -22, correspondence from ATIS regarding the re-designation of T1 standards, was provided for information. It was noted that document -22 was previously provided by the Chair to the TR-45 Subcommittees to take action as appropriate. This topic remains open in TR-45.

Document -30r1, correspondence regarding the J-025 Series impacts as the result of the ATIS re-designation of T1 standards, was presented.

Action 09/12-21
The Chair will formally send document -30r1 to Steve Barclay at ATIS for review and comment and copy-to TR-45.8. The correspondence to ATIS will note that TR-45 has not done an analysis of the J-STD-036, to date.

10i. TIA Ballot of 3GPP2 S.P0028-E v0.6 (OAM&P for cdma2000

Documents -50, -51, and -57 were provided for information.

Action 09/12-22
TR-45 voting members will be reminded to vote on PN-3-0336-RV5 (S.P0028-E v0.6) prior to the ballot close date.

10j.   GSC-15 Preparation

Preparations for the GSC-15 meeting, being hosted by CCSA at the Friendship Hotel in Beijing 30 August through 02 September 2010, are underway. This topic remains open and will be discussed during the March 2010 TR-45 meeting in Denver, CO.

Action 09/12-23
TIA will provide a list of the High Interest Subjects (HIS) to be discussed at the GSC-15 meeting to TR-45 for its discussions during the March 2010 meeting in Denver, CO.

10k.   UIM-ID Usage Issue

Document -54 was reviewed for consideration.

Action 09/12-24
Regarding document -54, TR-45 will respond to SYSCOM that TR-45 can not endorse the proposal and supports the CDG opinion.

10l.   TR-45.4 Election Affirmation

TR-45.4 election affirmation was covered under agenda item 8b, the TR-45.4 report in document -04.

10m.   Telecom Finance Review Assurance Standards

Document -63 was presented by Mr. Khor of GRAPA. It was noted that before TR-45 can commit to the proposal; the committee will need to review the GRAPA Standards Handbook in more detail, which was provided to TR-45 in document -63b and will be made available to all committee participants via the TIA ftpsite.

Mr. Khor (or an alternate GRAPA representative) was invited to the March 2010 TR-45 meeting. If TR-45 determines that this work is desirable and will move forward, GRAPA will need to join TIA.

Action 09/12-25
TR-45 will review the GRAPA Standards Handbook and provide feedback to Mr. Khor (or his designee) at the March 2010 TR-45 meeting.

11. Liaison Reports

11a.   CTIA

While no report was given, it was noted that CTIA is an active participant of the TR-45.EUMAG.

11b.   ITU-T

There was no report.

11c.   ITU-R

There was no report.

11d.   CITEL

There was no report.

11e.   Wireless Communication Division (WCD)

Action 09/12-26

TIA will share information with TR-45 regarding the scheduled for the next TIA WCD meeting with the Committee TR-45, when available.

11f.   TIA

Document -29 was provided for information.

Action 09/12-27

Moving forward, rather than automatically sending a free copy of a published standard to each voting member, the TR-45 Administrator will provide a URL so that each Member can determine if or when the free copy will be downloaded.

11g.   3GPP2

Document -47 was provided for information.

11h.   3GPP

A brief verbal report of 3GPP activities was provided, noting:
- ➢ Release 9 is scheduled for the end of 2009.
- ➢ 3GPP's upcoming meeting schedule.
- ➢ A 3GPP/BBF joint meeting will occur in February 2010.

11i.   ATIS

There was no report.

11j.   IFAST

Document -16, the IFAST liaison report, was presented. There were no comments or questions for clarification.

12. Review Assignments

A list of the meeting assignments are provided in Annex-A attached.

13. Review Meeting Schedules

13a.   TR-45 2010 Schedule

Document -15, the TR-45 2010 meeting schedule, was presented. It was noted that the September 2010 meeting dates have changed to 25-26 August 2010. In addition, the August meeting location may be Atlanta rather than Chicago, if a Chicago hotel that falls within the sleeping room price limitations can not be secured. Document -48 was provided for information.

13b.   Subcommittee 2010 Schedules

Documents -03, -04, -05, and -06 were provided for information.

14. Open Discussion

None

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 11:26 AM local time 15 December 2009.

Jane C. Brownley
Chair
Engineering Committee TR-45

Victoria Mitchell
Secretary
Engineering Committee TR-45

Annex-A: Action Items Recorded During the 14-15 December 2009 Committee TR-45 Meeting:

Action 09/12-01
TIA will use document -05b, the TR-45.5 document list, when building the TR-45 workplan.

Action 09/12-02
TR-45 supports the recommendation in document -06 regarding a Broadband Forum (BBF)/3GPP2 relationship (noted in open action item 2c) and asks TIA to continue its investigation into how TIA (through TR-45) could support a BBF/3GPP2 relationship, from TIA's perspective.

Action 09/12-03
The Secretary will remind the TR-45 voting members of the Saturday 02 January 2010 ballot closing date for PN-3-0361/TIA-1169 (Femtocell Security Framework).

Action 09/12-04
The Secretary will confirm the AHAG Chair's ability to review ballot summary information for PN-3-0361 (TIA-1169).

Action 09/12-05
Per observation 3 in document -08, TR-45 recommends that TIA consider withdrawing the outdated TIA Style Manual and if not TR-45 recommends that TIA update the Style Manual to reflect current practices. Comments against the Style Manual that were previously forwarded in 2001 for consideration will be "re-opened" by the Secretary during future Style Manual development discussions. D.Ott and D.Crowe took an action to send their comments previously provided in 2001 on the TIA Style Manual to TIA to take into consideration.

Action 09/12-06
TIA will investigate the funding resources available when updating a TIA-only document that was developed in FrameMaker is necessary.

Action 09/12-07
The Editor will provide a clean copy of the ESN Assignment Guidelines and Procedures v2.1 (document-09bR3) to the Chair to request that the TIA ESN Administrator post on the TIA website.

Action 09/12-08
Document-09br3 (ESN Assignment Guidelines and Procedures v2.1) will be forwarded to 3GPP2 TSG-S, noting that changes to the TSG-S documents (as determined by the TSG) may be needed. Both a clean and a marked copy will be sent to 3GPP2 TSG-S.

Action 09/12-09
TR-45 will respond to the correspondences in documents -61 and -67. TR-45 will provide a reply to ZTE via email (with copy-to CDG and TIA) regarding the TR-45 decision to extend the ESN assignment deadline to 30 June 2010 and the updated version 2.1 of the ESN Guidelines. A response similar to that being forwarded to ZTE will be emailed to Huawei with a copy-to the CDG and TIA.

Action 09/12-10

Documents -60 and -64, regarding the ESN Reclamation for Assignment as UIM_ID, were remanded to the EUMAG for information.

Action 09/12-11

Document -65r2, was approved to be forwarded to the TIA ESN Administrator and copied-to the CDG, IFAST, 3GPP2, 3G America, Rural Cellular Association, TIA, and UIM_ID Administrator.

Action 09/12-12

TR-45 supports posting the MEID Administrator's Report to the TIA site. Recommendation on what to post will be forthcoming from EUMAG at the next TR-45 meeting in March 2010.

Action 09/12-13

The Secretary will generate and distribute a meeting notice for the 08 February 2010 TR-45 interim plenary.

Action 09/12-14

TIA agreed to create a tr45_ahimt_chair@tiacomm.org email reflector.

Action 09/12-15

The Chair will send the updated IMT-Advanced Evaluation Group Registration Form (as provided in Annex-3 of document -13r1) to Colin Langtry at ITU-R WP5D.

Action 09/12-16

TIA will identify an OID Administrator.

Action 09/12-17

The following documents are remanded to the EUMAG, for action as appropriate, and will be used as the basis for informal TR-45 input to the 21 January 2010 JEM conference call:
  - ➤ 091214-28r1, correspondence regarding the JEM 01 Liaison Summary and Action Report091214-62, correspondence from 3GPP2 TSGS to GSMA, TIA GHA Administrator, and TR-45.EUMAG regarding global wireless equipment identifier numbering resources & administration Joint Experts Meeting (JEM)

Action 09/12-18

Document -31 and attachments, that provide information on the TIA standards which may be applicable and can be used by Smart Grids, were remanded to the TR-45 Subcommittees, AHAG, and EUMAG Ad Hoc Groups for information. It was noted that document -31 and attachments were previously provided by the TR-45 Chair to the Subcommittees and Ad Hoc Groups to take action prior to the 09 November 2009 deadline.

Action 09/12-19

Documents -45 and -53, correspondence regarding a request to complete the PAP#2 Wireless Characterization Matrix for Smart Grid Applications, were remanded to TR-45.3 and TR-45.5 for action, as appropriate. It was noted that the documents were previously provided by the Chair to the TR-45.3 and TR-45.5 Chairs.

Action 09/12-20

Document -40, a liaison statement regarding JTG 5-6 IMT parameters, was remanded to TR-45.5 and TR-45.3 for review and action, as appropriate.

Action 09/12-21

The Chair will formally send document -30r1 to Steve Barclay at ATIS for review and comment and copy-to TR-45.8. The correspondence to ATIS will note that TR-45 has not done an analysis of the J-STD-036, to date.

Action 09/12-22

TR-45 voting members will be reminded to vote on PN-3-0336-RV5 (S.P0028-E v0.6) prior to the ballot close date.

Action 09/12-23

TIA will provide a list of the High Interest Subjects (HIS) to be discussed at the GSC-15 meeting to TR-45 for its discussions during the March 2010 meeting in Denver, CO.

Action 09/12-24

Regarding document -54, TR-45 will respond to SYSCOM that TR-45 can not endorse the proposal and supports the CDG opinion.

Action 09/12-25

TR-45 will review the GRAPA Standards Handbook and provide feedback to Mr. Khor (or his designee) at the March 2010 TR-45 meeting.

Action 09/12-26

TIA will share information with TR-45 regarding the scheduled for the next TIA WCD meeting with the Committee TR-45, when available.

Action 09/12-27

Moving forward, rather than automatically sending a free copy of a published standard to each voting member, the TR-45 Administrator will provide a URL so that each Member can determine if/when the free copy will be downloaded.

Action 09/12-28

Documents -32, -34, -35, -39, -49, -55, -59, and -66 were remanded to the AHIMT to take action as appropriate. It was noted that these documents were previously provided by the TR-45 Chair to the TR45.AHIMT Chair.