



BUILDING GLOBAL COMMUNICATIONS

Approved by General Counsel

TR-47 Meeting Report

Date: 11/03/05

Location: Arlington, VA

Approved: 11/17/05

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DRAFT MEETING REPORT

TIA TR-47

Terrestrial Mobile Multimedia Multicast

Meeting #2

9:00 AM to 5:00pm EST, November 3, 2005

Hyatt Regency Crystal City

2799 Jefferson Davis Highway

Arlington, Virginia 22202

Facilitator, Eric Schimmel

1. Call to Order and Opening Remarks

Eric Schimmel, Facilitator, called the meeting to order at 9:00 a.m.

2. Important Notice to Participants

Participation in, or attendance at, any activity of a TIA Formulating Group or any sub-element thereof, constitutes acceptance of and agreement to be bound by all provisions of the TIA Engineering Manual and permission that all communications and statements, oral or written, or other information disclosed or presented, and any translation or derivative thereof, may without compensation, and to the extent such participant or attendee may legally and freely grant such copyright rights, be distributed, published, and posted on TIA's web site, in whole or in part, on a non-exclusive basis by TIA or TIA's licensees or assignees, or as TIA directs. Exceptions to the foregoing may be granted or permitted in writing to the Chair of the Formulating Group by TIA's Senior Vice President, Standards and Special Projects on a case-by-case basis.

3. Attendance Registration and Roll Call

Roll call was taken, and all participants in attendance in person or via teleconference are shown in the chart below. Given that this is the second meeting of the new Engineering Committee, quorum consists of any company which attended the first or the second meeting. 51 individuals from 39 entities were in attendance. Of those 39 entities, 3 were liaison, and 2 were not yet determined as members in good standing. The total number of companies eligible to vote was 34.

Company	Name	Person/ Teleconf	Voting
Airvana	Knisley, Doug	T	1
Alcatel	Biholar, Ken	P	1
Alltel	Gentzler, Dennis	T	1
Arraycomm	Wilson, Joanne	P	1
Atlinks	Koslov, Joshua	P	1
Cingular	Musgrove, Peter	P	0

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Cisco	Vucetic, Vojislav	T	1
Corning Cable	Dixon, Allen	T	1
Dielectric Communications	Cozad, Kerry	T	0
DVB Project	Stein, Helmut	P	0 (LIA)
EchoStar Technology Corp. (CEA Liaison)	Card, John	P	0 (LIA)
Ericsson	Chatterjee, Asok	T	0
Ericsson	Sammarco, Anthony*	P	1
FLO Forum	Grajski, Kamil	P	0 (LIA)
FLO Forum	Selby, MaryBeth	P	0 (LIA)
Harris	Humphrey, Marlis*	P	1
Harris	Glidden, Dave	P	0
Intel	Nelhams, Richard	P	1
J. Upton Consulting	Upton, Jerry	P	1
Kyocera Telecom Research Corp.	Chang, Henry	T	1
LG Electronics	Kim, Sangook	P	1
Lucent	Blum, Cheryl	T	1
Motorola	Taylor, Carolyn*	P	1
Motorola	Di Lapi, Christine	P	0
Newport Media	Gokhale, Sanjay	P	1
Nokia	Paila, Toni	P	0
Nokia	Tamminen, Walt*	P	1
Nokia	Derryberry, Tom	P	0
Nortel Networks	Lynch, Michael	T	1
PacketHop	Sastry, Ambatipudi	T	1
Panduit	Eliot, Bob	T	1
Qualcomm	Epstein, Mark*	P	1
Qualcomm	Tiedemann, Ed	P	0
Qualcomm/Interim Secretary to TR-47	Hoyler, Susan	P	0
Rogers Wireless	Bernard, Jean-Yves	P	1
Rohde & Schwarz, Inc.	Simon, Mike	P	1
Roundbox	Valloppillil, Vinod	T	1
Samsung	Rajkotia, Purva	P	1
Sharp Corp.	Hanada, Keitaro	P	1
Siemens	Teck, Hu	P	1
Space Data Corp./Facilitator/Chair TR-47	Schimmel, Eric	P	1
Sprint	Seagren, Chris	P	1
TelecomExchange (TXI)	Hall, Ed	T	1
Texas Instruments	Sestok, Charles	P	0
Texas Instruments	Solomn, Yoram*	P	1
Thales	Jenkins, Brett*	P	1
Thales	Macher, Jean	P	0
Verizon Wireless	Flynn, Gerry	T	1
VIA	Czaja, Stash	T	1

1 *indicates primary representative

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1 Those companies not in attendance from the first meeting were:

2 Communications Research Centre

3 FAL Associates

4 InterDigital

5 Sanyo Fisher

6 TELUS Mobility

7

8 In addition, TIA staff members participating were:

9 Henry Cuschieri, TIA

10 Stephanie Montgomery, TIA

11 Dan Bart, TIA

12 John Derr, TIA

13

14 **4. Agenda Review and Approval**

15

16 It was proposed to move elections ahead of the discussion of contributions since staff
17 would require time to administer the election. After some discussion of re-ordering two
18 items on the agenda, the agenda (**TR47-20051103-001r5**) was reviewed and approved as
19 written without any changes.

20

21 **5. Early Disclosure Policy**

22

23 *The TIA Patent Policy can be found in Statements of Policy and subsequent sections of*
24 *the updated TIA Engineering Manual. Participants in the work of the TIA Formulating*
25 *Group are urged to review and comply with the appropriate sections (i.e., Section 6.5.1*
26 *and Annex H.)*

27

28 **6. Review and Approval of Meeting Report from Previous Meeting**

29

30 The meeting report of September 9, 2004 (**TR47-20051103-002r2**) was approved as
31 written. The approved report will be posted to the FTP site.

32

33 **DECISION 2005-1103-001**

34 **The meeting report of TR-47 as shown in (TR47-20051103-002r2) approved.**

35

36 **7. Correspondence and Other Submissions**

37

38 A request from the DVB Project indicating an interest to work with TR-47 (**TR47-**
39 **20050909-007**) was introduced at the inaugural meeting. TIA's response letter to the
40 DVB Project on behalf of TR-47 to acknowledge the group's outreach, and also seek
41 clarification of the intended level of activity of the DVB Project is contained in **TR47-**
42 **20051103-007**.

43

44 Mr. Helmut Stein, on behalf of the DVB Project, expressed its willingness to work with
45 TR-47. He presented an introduction of the DVB Project's activities (**TR47-20051103-**
46 **009r1**).

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1
2 Mr. Stein indicated that the DVB Project is interested in a formal liaison status with TR-
3 47. However, the process for formal liaison involves the exchange of legal documents
4 and may take some time. While the DVB Project pursues the liaison with TIA, it
5 requested “observer” status so it may contribute its experience and technical expertise to
6 the activities of TR-47.

7 8 **ACTION ITEM 2005-1103-001**

9 **TIA staff and DVB Project to pursue the establishment of a formal liaison.**

10 11 **8. Introduction of Contributions**

12
13 Mr. Schimmel asked each of the contributors to present an overview of the contributions
14 on subcommittee structure, and noted that detailed discussion would take place under
15 agenda item 10.

16 17 **9. Review of Election Process and Leadership Elections**

18
19 Mr. Schimmel noted that the election would be conducted via secret ballot, and that
20 additional time would be needed for staff to receive the ballots cast by those on the
21 teleconference bridge. Henry Cuschieri, TIA, explained the process of “one company,
22 one vote” and how the ballots were to be distributed, both in person and electronically.

23
24 Two candidates had submitted nomination letters for the position of Chair. Tom
25 Derryberry, Nokia (**TR47-20051103-004, 011**) and Jerry Upton, J. Upton Consulting
26 (**TR47-20051103-006**). No additional nominations were received from the floor for
27 Chair. Each nominee was allowed to make brief comments about their qualifications and
28 why they wished to be Chair.

29
30 Clarification was sought from TIA staff on the rules for a consultant who represents
31 multiple clients. Dan Bart, TIA, noted that TIA has “one company, one vote” rule and
32 that a consultant may represent multiple clients. A consultant cannot vote for his or her
33 own firm in addition to his or her client(s). When a consultant is representing a client at a
34 meeting, he or she should sign in under the company he or she is representing and show
35 “By XXX, its consultant.” A consultant who holds a leadership position may also choose
36 to abstain from voting altogether so it avoids the appearance of being an advocate for any
37 point of view. Any chair who wishes to advocate a point of view, should relinquish the
38 control of the meeting to the Vice Chair for that item. Chairs are to be technology and
39 company neutral.

40
41 **SECRETARY’S NOTE:** Section 3.2.3.4, *Multiple Votes*, indicates “No individual may
42 vote or cast a ballot on behalf of more than one Member.”

43
44 One candidate had submitted nomination letter for the position of Vice-Chair, Marlis,
45 Humphrey, Harris (**TR47-20051103-005**).

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1 The Chair election was conducted by TIA staff and Mr. Schimmel announced the chair-
2 elect: Jerry Upton.

3
4 The elections for Vice-Chair were then conducted next. It was asked if there were any
5 nominations from the floor for Vice Chair. One nomination was received from the floor
6 from Tom Derryberry, Nokia (**TR47-20051103-013**).

7
8 Since floor nomination names are not printed on the ballot, those intending to vote for
9 Mr. Derryberry for Vice Chair, would need to write in his name on the ballot.

10
11 The Vice Chair election was conducted by TIA staff and Mr. Schimmel announced the
12 vice-chair elect: Marlis Humphrey

13 14 **DECISION 2005-1103-002**

15 **Jerry Upton elected as Chair, and Marlis Humphrey elected as Vice-Chair of TR-47**

16
17 Mr. Schimmel requested TIA staff to prepare appropriate Press Releases announcing the
18 election results after confirmation of leadership selection by the Technical Committee
19 Chair in accordance with Section 3.1.1, *Election of Leadership*, of the Engineering
20 Manual.

21 22 **10. Discussion and Approval of Subcommittee Structure**

23
24 Kamil Grajski, FLO Forum, introduced a proposal for a subcommittee structure (**TR47-**
25 **20051103-008**) which encouraged standardization of multiple technologies proceeding in
26 parallel.

27
28 Walt Taminnen, Nokia, introduced a proposal for a subcommittee structure (**TR47-**
29 **20051103-012**) which proposed the creation of a TR-47 Technical Assessment
30 subcommittee and subsequently the creation of any technology/proposal specific
31 subcommittees as determined necessary.

32
33 It was explained that the technology assessment function would encourage cross pollination,
34 and identify commonalities in different technology proposals. It is anticipated that
35 manufacturers will produce multimode phones delivering multiple services, and that the
36 technology assessment would lead to TM3 standards that are cost effective for multiple
37 protocol products.

38
39 FLO Forum supported the idea of a technology assessment function in principle, but was
40 opposed to have technology assessment as a pre-requisite to standardization.

41
42 Concern was expressed that the technologies being proposed were already “complete”
43 and that no changes would be allowed. It was noted by Mr. Schimmel that the TIA
44 standards process does not rubberstamp contributions, and as part of the process,
45 contributions are reviewed and changes are proposed to develop a standard that is
46 technically correct and acceptable to those who participate in the development of a TIA

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1 standard. As part of the TIA standards process, changes are frequently made to the input
2 contributions.

3
4 A motion was made and seconded to:

- 5 a) Create Subcommittee TR-47.1 to create a TM3 standard based on FLO™
6 technology
7
8 b) Create Subcommittee TR-47.2 to create a TM3 standard based on DVB-H
9 technology
10
11 c) Create a technology assessment function for the purpose of finding
12 commonalities in standards developed in the different subcommittees and
13 make appropriate recommendations within TR-47 in parallel with the
14 operation of subcommittees
15
16 d) Support the creation of new additional subcommittees for new technologies,
17 and note the approval process for the creation of new subcommittees is the
18 same as that for TR-47.1 and TR-47.2
19

20 **The motion as stated in (TR47-20051103-014) passed.**

21 22 **DECISION 2005-1103-003**

23 **TR47-20051103-014 is approved which includes the creation of two subcommittees**
24 **for TM3 technologies, as well as technology assessment function within TR-47. In**
25 **addition, the structure allows for the creation of future subcommittees using the**
26 **same approval process as that used to creation the initial two subcommittees.**
27

28 Concern was expressed in the naming of the subcommittees given that FLO™ is a
29 trademark. TIA staff is requested to provide guidance to the Committee on
30 the issue of the use of trademarks in TIA standards and how to proceed.
31

32 **ACTION ITEM 2005-1103-002**

33 **TIA staff is requested to provide guidance to the Committee on the issue of the use**
34 **of trademarks in TIA standards and how to proceed.**
35

36 **11. Other Business**

37 38 **Subcommittee Leadership**

39 The formation of two subcommittees necessitates a call for leadership. Election of
40 leadership for the two subcommittees will follow the same process as that of election of
41 leadership for TR-47. A call for nominations for subcommittee leadership positions with
42 a deadline of the 18th of November will be made by TIA staff. All nomination letters
43 should be sent to Dan Bart and Henry Cuschieri at TIA.
44

45 Upon the indicated closing date for nominations (11/18/05), TIA staff will prepare the
46 slate and the information will be distributed via the email reflector for this group. Those

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1 candidates who meet the deadline for nominations will have their names on the pre-
2 printed ballots distributed at the time of the election and those who identify themselves as
3 candidates on the day of the election will have to have their name handwritten on the
4 ballot.

6 **ACTION ITEM 2005-1103-003**

7 **TIA staff will issue call for nominations for subcommittee leadership positions for**
8 **TR-47.1 and TR-47.2 with a deadline of November 18, 2005.**

10 **Scope and Charter for Subcommittees**

11 Chair-elect proposed that interested individuals participate in an ad hoc group
12 electronically to prepare initial draft scopes for the two proposed subcommittees (TR-
13 47.1 and TR-47.2) and prepare a contribution for the next meeting. Mr. Upton will issue
14 a call for participants to participate in an ad hoc group to draft scopes for the
15 subcommittees.

17 **ACTION ITEM 20051103-004**

18 **Chair will issue a call for participants to draft scopes for the subcommittees. This**
19 **group will be ad hoc and be conducted using email and/or teleconference. The**
20 **resulting output will be introduced as a contribution to the next meeting.**

22 **Autonomy of Subcommittees**

23 The issue of the autonomy of the subcommittees with relation to the parent committee
24 was discussed. It was noted that the TIA procedures allow for each Committee to
25 determine the relationship of the parent committee and the subcommittees. Cheryl Blum,
26 Chair of TR-45, briefly described the structure of the TR-45 subcommittees which have
27 autonomy from the parent committee to approve initiation, balloting, publication of
28 standards. The parent committee serves not only in a coordination role for general
29 operations and policy, but also for coordination of technical work among the
30 subcommittees. However, each subcommittee is allowed to determine initiation,
31 balloting and publication of standards without going through the parent committee.

32
33 It was decided that the decision regarding TR-47 and its subcommittees autonomy would
34 be made after a more concrete understanding of the subcommittee scope and charters was
35 gained in a future meeting.

37 **ACTION ITEM 2005-1103-005**

38 **The autonomy of the subcommittees with relationship to the parent committee will**
39 **be discussed at the next meeting after the subcommittee's scope and chart are**
40 **agreed upon.**

42 **12. Next Meeting**

43
44 The chair-elect noted the difficulty of selecting dates in 2006 given the already scheduled
45 OMA and 3GPP2 meetings. The date set for the next meeting is Tuesday, January 10,

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1 2006 with a tentative location of Arlington, VA. Dallas was also suggested as a location.
2 Details will be contained in the next meeting announcement and agenda.

3

4 **13. Adjourn**

5

6 The meeting was adjourned at 3:00 p.m.

7

8 This meeting was conducted in accordance with TIA Legal Guidelines and TIA
9 Engineering Manual.

10

11

12 Respectfully submitted,

13

14

15

16 _____
Susan Hoyler

17 Interim Secretary

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1 DECISIONS

2005-1103-001	The meeting report of TR-47 as shown in (TR47-20051103-002r2) approved.	
2005-1103-002	Jerry Upton elected as Chair, and Marlis Humphrey elected as Vice-Chair of TR-47.	
2005-1103-003	TR47-20051103-014 is approved which includes the creation of two subcommittees for TM3 technologies, as well as technology assessment function within TR-47. In addition, the structure allows for the creation of future subcommittees using the same approval process as that used to creation the initial two subcommittees.	

2

3 ACTION ITEMS

2005-1103-001	TIA staff and DVB Project to pursue the establishment of a formal liaison.	
2005-1103-002	TIA staff is requested to provide guidance to the Committee on the issue of the use of trademarks in TIA standards and how to proceed.	
2005-1103-003	TIA staff will issue call for nominations for subcommittee leadership positions for TR-47.1 and TR-47.2 with a deadline of November 18, 2005.	
2005-1103-004	Chair will issue a call for participants to draft scopes for the subcommittees. This group will be ad hoc and be conducted using email and/or teleconference. The resulting output will be introduced as a contribution(s) to the next meeting.	
2005-1103-005	The autonomy of the subcommittees with relationship to the parent committee will be discussed at the next meeting after the subcommittee's scope and chart are agreed upon.	

4