Approved by General Counsel

TR-47 Meeting Report

Date: 05/30-06/02/06

Location: Chicago, IL

Approved: 06/14/06

T# 10156

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TIA TR-47

Terrestrial Mobile Multimedia Multicast

Meeting #5

1PM to 6:00 PST May 30, 2006

8AM – 12PM PST June 2, 2006

Chicago, IL

Chair, Jerry Upton

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1.   Call to Order and Opening Remarks

Jerry Upton, Chair, called the meeting to order at 1:20 p.m. Central Time. Chair read the Important Notice to Participants listed below and reminded participants of the TIA IP policy.

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 Voting Roll Call

Roll call was taken, and all participants in attendance in person are shown below. The chair noted that Quorum was met per our voting register. The following companies were dropped from Quorum due to lack of attendance at 3 meetings: Cingular, Echostar, Intel, Packethop, Roundbox, Samsung, Spacedata, Telecom Exchange. New QUORUM # is 30. 19 companies were present as shown below. (18 counted towards QUORUM). Note that one company was added to QUORUM after the roll call: WK3C Wireless.

Alcatel	Ken Biholar
Airvana	Doug Knisley
Arraycomm	Joanne Wilson
FLO Forum	MaryBeth Selby
Harris	Marlis Humphrey
Intel	Tero Koivunen
J. Upton Consulting (Abstain)	Jerry Upton
Lucent	Jean Alphonse

Motorola	Carolyn Taylor
Newport Media	Sanjay Gokhale
Nokia	Walt Tamminen
Qualcomm	Mark Epstein
Rogers Wireless	Edward O'Leary
Rohde & Schwarz, Inc.	Mike Simon
Siemens	Teck Hu
Sprint	Chris Seagren
Texas Instruments	Yoram Solomon
Verizon Wireless	Alan Wolfe
Verizon Wireless	Kamran Mahbobi
WK3C Wireless LLC	Carl Stevenson

4.   Agenda Review and Approval

The agenda **(TR47-20060530-001r1)** was reviewed and accepted unanimously by the group.

5.   Early Disclosure Policy

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

6.   Review of Meeting Report from Previous Meeting

The meeting report of Jan 10, 2006 **(TR47-20060530-003)** was reviewed and approved by unanimous consent. In addition, each of the action items from the previous meeting report was reviewed and an updated status provided. The meeting report of Mar 2006 **(TR47-20060530-004)** was reviewed and approved by unanimous consent.

Decision 2006-0530-D001: Meeting Minutes from Jan and Mar 2006 meetings approved

Action Item 2006-0530-AI001: Chair to follow up with TIA Staff for TR47.2 related to status of getting editable versions of the ETSI specs.

Chair provided an update on all open actions from the March 20 meeting:

2006-0320-AI001	Chair to clarify with TIA staff whether or not letter ballots can be sent out to the group for voting since no quorum is present. Specifically he will ask for interpretation of lines 18 and 19 under section 5.3.2. Chair will report back at the closing including how	Closed – chair discussed with TIA Staff

	letter ballots should be conducted.	
2006-0320-AI002	Chair to modify the meeting notes as stated above and will send changes to TIA once approved by the group via letter ballot.	Closed -
2006-0320-AI003	Chair to find out how to gain approval for TR47-20060320-006 due to lack of quorum - -whether or not we will use a letter ballot approval process.	Closed at the closing plenary
2006-0320-AI004	TR47.2 needs to put together a set of procedures to deal with the ETSI agreement and in particular with TIA required IPR declaration relative to the ETSI Specifications.	Closed - Update from TR47.2 Chair – TIA IPR declaration policy applies to ETSI documents and will remind her committee of such.
2006-0320-AI005	Chair to send note to TIA to determine if they looked at EAS and LI from a Regulatory or other perspectives including work in other TIA committee in order to determine how this may relate to TR47 and report back to committee and subcommittees.	Closed - Chair asked TIA Staff for other groups within TIA that may be working this - with no response
2006-0320-AI006	Chair to send request for Liaison with ITU-R SG6 to letter ballot.	Closed

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5   **7.   Introduction of Contributions and Submissions – Opening Plenary 5/30/06**
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1   Chair introduced contribution **TR47-20060530-005** membership rules and quorum. Chair
2   called for approval of use of Option B described in the document from the TIA
3   Engineering Manual. Option B was approved unanimously by the group. These rules
4   will be used by TR47 and its subcommittees.
5
6   Chair introduced contribution **TR47-20060530-006** TIA ITU-R and noted that the letter
7   ballot had passed. Chair noted there were 12 yes votes, 2 abstains, 0 no votes, and 5
8   companies that registered for a ballot but didn't vote.
9
10   **Decision 2006-0530-D002: Committee Unanimously accepted Option B related to**
11   **membership rules and quorum as described in TR47-20060530-005**
12
13   **Action Item 2006-0530-AI002: Chair to check with TIA Staff to determine if letter**
14   **has been sent to ITU-R.**
15
16   The Chair introduced **TR47-20060530-007** Updated Meeting Planning Calendar for
17   TR47 and Subcommittees. Chair asked the subcommittee chairs to discuss the frequency
18   of the TR47 parent committee meetings and suggested that the parent committee meet
19   every 3 months instead of every two for 2007. A request for a meeting in Hawaii was
20   discussed and the chair will look into the possibility.
21
22   **Action Item 2006-0530-AI003: Chairs of subcommittees to report back to parent on**
23   **frequency of meetings for 2007.**
24
25   **Action Item 2006-0530-AI004: Chair to look at possibility of having a meeting in**
26   **Hawaii for 2007.**
27
28
29   The Chair introduced **TR47-20060530-008** – Operating Procedures Update. This
30   document was based on TR47-20060320-005 from the La Jolla meeting of TR47. The
31   document was discussed there but could not be approved. It has since been updated to
32   include an update to bullet #5 which was an editorial clarification. The group
33   unanimously approved the updated document. Chair asked the group to please bring
34   forward any suggestions or requested additions to the operating procedures as needed.
35
36   **Decision 2006-0530-D003: Document TR47-20060530-008 Approved Unanimously**
37
38   The Chair introduced contribution **TR47-20060530-009** and Ed O'Leary of Rogers
39   Wireless provided a summary of the contribution. This contribution is an update of
40   contribution **TR47-20060320-010** which was presented in the La Jolla meeting on March
41   20, 2006.
42
43   Discussion ensued again related to whether EAS and LI are within the scope of TR47
44   (the Air Interface Level). Ed indicated that Canada requires that support for EAS be
45   included as this type of system will most likely be considered a broadcast system there. .
46   Discussion of other work within SDOs related to this ensued. OMA is not working on

1   this as they believe this falls below the service layer. Work in 3GGPP as part of MBMS
2   is beginning to address this. Yoram of TI noted that Mobile DTV Alliance will be
3   addressing this within their organization. As an operator Rogers is worried that they
4   won't be able to get a license if not addressed and whether or not they will need to retrofit
5   their equipment to support this if required in the future.
6
7   **Action Item 2006-0530-AI005: Chair to send a request to 3GPP for a formal liaison**
8   **to determine if the ongoing work there can be applicable.**
9
10 **Action Item 2006-0530-AI006: Chair to send a note to ITU-R related to this issue**
11 **once the liaison is finalized.**
12
13 **Action Item 2006-0530-AI007: Secretary to introduce this into the FLO Forum for**
14 **review and Yoram of TI will introduce to Mobile DTV Alliance.**
15
16 **Action Item 2006-0530-AI008: Review updates to Roger's Wireless EAS**
17 **contribution at closing plenary to see if there are updates and keep this as a**
18 **standing action until addressed satisfactorily.**
19
20 Updates of subcommittee work plans will be reviewed on Friday June 2nd at the closing
21 plenary.
22
23 **8.   Recess for Subcommittees**
24
25 The TR47 recessed at 2:48pm and the chair announced that TR47 would reconvene for
26 the closing plenary on June 2nd at 8:00am.
27
28 **9.   Closing Plenary**
29
30 Chair called the Closing Plenary to order at approximately 8:05am. Chair noted where
31 we left off in the agenda and that 3 documents had been uploaded to the ftp site since our
32 recess. **TR47-20060530-010, 011**, and **012** - Subcommittee Reports and a Request for a
33 liaison from TR47.2.
34
35 Chair reviewed **TR47-20060530-010**, draft text from TR47.2 to create a liaison between
36 TR47 and the Mobile DTV Alliance. Motion to approve by WK3C, seconded by TI. The
37 liaison request was approved by unanimous consent of the group.
38
39 **Decision 2006 -0530-D004: Approve liaison request TR47-20060530-010**
40
41 <u>**Report from TR-47.2 – TR47-20060530-011**</u>
42 Summary: Carolyn Taylor, Chair of TR47.2 reviewed the progress of TR47.1 noting they
43 had approved a resolution to go to ballot on the Draft that references the ETSI DVB-H
44 Specifications as well as approval for a request for a liaison between TR47 and the
45 Mobile DTV Alliance.
46

1   **Action Item 2006-0530-AI009: Chair of TR47 to forward the approved Liaison**
2   **request with Mobile DTV Alliance to TIA Staff**
3
4   **Report from TR-47.1 – TR47-20060530-012**
5   Summary: Carl Stevenson, Chair of TR47.1 reviewed the progress of TR47.1 reporting
6   that the TR47.1 group processed and resolved all ballot comments received during the
7   balloting process for the PN ballot that closed on May 30th. Chair noted that one
8   comment resulted in what the group ruled to be a technical change and thus triggered the
9   need for a 30 day default recirculation ballot.
10
11 Group received contributions from FLO Forum on Device and Transmitter Minimum
12 Performance Specifications for the Forward Link Only system, of which the Powerpoint
13 presentations were reviewed. Rogers asked for a clarification to be made to the meeting
14 report **TR47-20060530-012** – changing the wording around the "acceptance" of
15 contributions from the FLO Forum to "received" contributions. The change was
16 uploaded to the ftp site as **TR47-20060530-012r1.**
17
18 Chair of TR47 asked both subcommittees to update their work plans for the next meeting.
19
20 **10.   Liaison Reports**
21 Discussed in contribution 011 above.
22
23 **11.   Other Business**
24 No other business was noted.
25
26 **12.   Next Meeting**
27
28 The chair noted that the next meeting for TR47 is   July 11-13 in San Diego. It was noted
29 that the closing plenary of the next meeting will be immediately following the close of
30 the subcommittee work.
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33 **14.   Adjournment**
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35 The meeting was adjourned at 8:49AM
36
37 This meeting was conducted in accordance with TIA Legal Guidelines and the TIA
38 Engineering Manual.
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41 Respectfully submitted,
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43
44 _____
45 MaryBeth Selby
46 Secretary

1   **DECISIONS**

2006-0530-D001	Meeting Minutes from Jan and Mar 2006 meetings approved
2006-0530-D002	Committee Unanimously accepted Option B related to membership rules and quorum as described in TR47-20060530-005
2006-0530-D003	Document TR47-20060530-008 Approved Unanimously
2006-0530-D004	Approve liaison request TR47-20060530-010

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3   **ACTION ITEMS**

2006-0530-AI001	Chair to follow up with TIA Staff for TR47.2 related to status of getting editable versions of the ETSI specs.
2006-0530-AI002	Chair to check with TIA Staff to determine if letter has been sent to ITU-R.
2006-0530-AI003	Chairs of subcommittees to report back to parent on frequency of meetings for 2007.
2006-0530-AI004	Chair to look at possibility of having a meeting in Hawaii for 2007.
2006-0530-AI005	Chair to send a request to 3GPP for a formal liaison to determine if the ongoing work there can be applicable.
2006-0530-AI006	Chair to send a note to ITU-R related to this issue once the liaison is finalized
2006-0530-AI007	Secretary to introduce this into the FLO Forum for review and Yoram of TI will introduce to Mobile DTV Alliance
2006-0530-AI008	Review updates to Roger's Wireless EAS contribution at closing plenary to see if there are updates and keep this as a standing action until addressed satisfactorily
2006-0530-AI009	Chair of TR47 to forward the Approved Liaison request with Mobile DTV Alliance to TIA Staff

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