

**Approved by General Counsel**

TR-8 Meeting Report

Date(s): 02/04/2015 - 02/04/2015

Location: Phoenix, AZ

Approved: 02/25/2015



## **TR-8 Mobile and Personal Private Radio Standards Meeting Report**

**PRESIDING:** Andy Davis, Chairman

**DATE:** February 4, 2015

**LOCATION:** Phoenix, AZ

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1. Call to Order  
The meeting was called to order at 1:05 P.M.
  2. Record of Attendance  
Attendance was taken electronically. A list of attendees is attached. As a result of a roll call, a quorum was determined to be present.
  3. Approval of Agenda  
The chair noted that the date on the file name should have been adjusted to the actual date of the meeting. John Lambrou made a motion to approve the agenda. Jim Downes seconded the motion. The agenda was approved unanimously.
  4. Approve Previous Meeting Notes  
The report from the October 22, 2014 meeting in Denver, CO was distributed. The chair noted that item 9 was the TR-8.4 report. That report referred to a project for TIA-PN-102.BABH (to create TIA-102.BAHA, Experiment 1 Test Plan and Results). Discussion concluded that no TR-8.4 report was actually provided during the October TR-8 meeting and the status described was carried over from a prior report. Alan Wilson requested that the lines from that report could be ignored since there did not appear to be any such project. The matter was discussed further in the meeting in agenda item 9 below. The chairman asked for input on corrections to the report. Alan Wilson requested that the information be stricken and a revised report be provided. The chairman agreed to create a revised report striking the text on TR-8.4. John Oblak made a motion to approve the described revision of the meeting report. Bill Janky seconded the motion, which passed unanimously.
  5. Identify Intellectual Property Rights  
The chair read the TIA IPR statement, as found in the TIA IPR Policy and Guidelines. The chair asked if anyone wanted to disclose patents that are essential for any standards discussed in TR-8. None was disclosed.
  6. Review Status of Old Assignments
    - TR-8.10 was to begin work on a numeric identifier for analog calls – pending in TR8.10.
    - John Lambrou to open a project for an addendum to ANSI/TIA-4950-A – done.
    - TR-8 to open a project for revision to TSB-102-B – done.

The chair also requested the subcommittee chairmen to submit short written reports to the TR-8 chair and vice chair to be entered into the TR-8 meeting notes.

7. TR-8.1 Transceiver Measurements – John Oblak

John reported that the following new projects were approved:

ANSI-PN-TIA-102.CCAA-A-1 is a project to create an errata to correct errors in formulas in the document. A draft was distributed at the meeting for comment.

ANSI-PN-TIA-102.CCAA-B was approved as a project to update the document for audio measurements with class D audio PA.

ANSI-PN-TIA 102.CAAA-E was approved as a project to update the document for audio measurements with class D audio PA.

ANSI-PN-TIA-603-E was approved as a project to update the document for audio measurements with class D PA.

John noted that a project to create an errata addendum for CCAA-A was approved at the October meeting and that the agenda for the October meeting did not include this. At Marianna's request, a motion was approved to revise the October agenda.

8. TR-8.3 Encryption – Tom Senese

ANSI/TIA-102.AACB was reported to have been officially withdrawn as a result of a motion that passed at the Oct-2014 meeting.

A motion was approved to open a project for revision B of ANSI/TIA-102.AAAD-A Block Encryption Protocol.

ANSI-PN-102.CABB-A (to revise TIA-102.CABB, OTAR Test Procedures); The document is in the drafting phase.

The committee elected Tom Senese to continue as chairman and Harrison Reves to the position of Vice Chairman.

9. TR-8.4 Vocoder – Alan Wilson

TSB-PN-102.BABH (Experiment 1 Test Plan and Results) - This document has no editor and has been dormant since June 2012. The committee had no interest in completing the project.

Alan Wilson moved to withdraw the project. Jim Downes seconded the motion. The motion passed unanimously. The Vice Chair was to follow-up with TIA to withdraw the project.

10. TR-8.5 Data – Jim Eastwood

TIA-102.BAJB-A Tier 1 Location Service was published November 2014.

TIA-102.BAJC-A Tier 2 Location Service was approved for publication.

TR-8.5 approved the following new projects:

- Revision C of TIA-102.BAEA Data Overview and Specification,
- Revision C of TIA-102.BAEE Radio Management Protocols.

TR-8.5 is collecting errata comments on TIA-102.BAEJ CMS Specification for Packet Data.

TR-8.5 announced officer elections during the June meeting.

11. TR-8.8 Broadband Data Systems – Alan Wilson

TSB-PN-4973.202, PTT Use Cases is in the drafting phase and also dormant awaiting developments in 3GPP.

JLMRLTE joint project with ATIS is also on hold awaiting an architecture in 3GPP.  
TR-8.8 received a liaison report on activity in 3GPP.

12. TR-8.10 Trunking and Conventional Control – John Lambrou  
TR-8.10 reported on two motions:
  - 1) Jim Downes moved to publish contribution 14-05-038-R2, Trunking Control Channel Messages Rev D, as ANSI/TIA-102.AABC-D with “Project 25” on the cover page if the P25 Steering Committee approves the document as part of the P25 Standard; if the P25 Steering Committee does not respond in the affirmative within 20 business days, the document will be published without “Project 25” on the cover page. Jackson Chan seconded the motion. The motion was approved unanimously by voice vote.
  - 2) Jim Downes moved to publish contribution 14-05-040-R3, Link Control Word Formats and Messages Rev D, as ANSI/TIA-102.AABF-D with “Project 25” on the cover page if the P25 Steering Committee approves the document as part of the P25 Standard; if the P25 Steering Committee does not respond in the affirmative within 20 business days, the document will be published without “Project 25” on the cover page. Jackson Chan seconded the motion. The motion was approved unanimously by voice vote.
13. TR-8.11 Antennas – Tim O’Brien  
TR8.11 met and discussed comments on the draft revision of TIA-156-B - Signal Boosters. The subcommittee was asked to review the document with a focus on section 4.11 and be ready to discuss at the teleconference on February 19. Tim O'Brien was re-elected as Chair and Tom Rubinstein was elected as Vice-Chair.
14. TR-8.12 Two-Slot TDMA – Alan Wilson  
TIA-PN-102.BBAC-A to revise Two-Slot TDMA MAC Layer, was on hold while TR-8.10 developed dynamic regrouping. There has been no activity in TR-8.12. Roy McClellan volunteered to follow-up on the project and also stand for election as Chair in the June meeting.
15. TR-8.15 Common Air Interface – Jim Eastwood  
TIA-102.BAAD-B Conventional Procedures is in the drafting process.  
Revision B of TIA-102.BAAA Common Air Interface was approved as a new project.  
TR-8.15 announced officer elections during the June meeting.
16. TR-8.17 RF Exposure – John Lambrou  
TR-8.17 will hold elections in the June meeting.
17. TR-8.18 Wireless Systems Interference and Coverage – Tom Rubinstein  
Tom Rubinstein reported on progress of WG-2 on TSB-88.2-D-1. The Working Group, observing that the necessary modifications to the existing TSB will be complicated, moved that the existing project for an addendum be withdrawn and a new project for a full revision be created. Motion passed.  
Mike Baker reported on progress of WG-4 on TSB-88.4 and TSB-88.5. He opined that both documents will be completed by the second quarter of 2016.
18. TR-8.19 Wireline Systems Interface – Jerry Drobka  
TR-8.19 held 5 working teleconferences since October 2014 meeting.  
The committee performed comment resolution and discussion of:

- Errata comments on TIA-102.BACA-B (ISSI Messages and Procedures),
- ISSI Regrouping Use Cases and Message Sequence Charts.

TIA-102.CACD-C Interoperability Test Procedures for Trunked Voice Operation Involving the ISSI was published in November 2014. The publication adds configurations for testing when TDMA trunked voice channels are part of the trunked system

19. TR-8.21 Intrinsic Safety – John Lambrou

TR-8.21 did not meet and there was no report.

20. TR-8.25 Compliance Assessment – Jim Holthaus

- TIA-102.CAEA-A, Basic Conventional Conformance Profile: at least one comment on the ballot so TR-8.25 will schedule a call for comment resolution.
- TIA-102.CAEB-A, Advanced Conventional Conformance Profile: at least one comment on the ballot so TR-8.25 will schedule a call for comment resolution.
- TIA-102.CABC-B, P25 Interoperability Testing: a ballot has not yet been opened so TR-8.25 will schedule a ballot before June.
- TSB-102.CBAB, P25 CAP SDoC Template: after a review, no revision was necessary and so no ballot was scheduled.
- TSB-102.CBAC, Summary Test Report Guidelines: after a review, no revision was necessary and so no ballot was scheduled.
- TSB-102.CBBA-A, Conventional Subscriber Performance Testing RCAT, ballot completed, no comments, so TR-8.25 will submit the document for publication.
- TSB-102.CBBC-A, Conventional Station Performance Testing RCAT, ballot completed, no comments, so TR-8.25 will submit the document for publication.
- TSB-102.CBBF-A, Trunked Subscriber Performance Testing RCAT, ballot completed, no comments, so TR-8.25 will submit the document for publication.
- TSB-102.CBBH-A, Trunked Station Performance Testing RCAT, ballot completed, no comments, so TR-8.25 will submit the document for publication.
- TSB-102.CBBJ-C, P25 CAP Trunked Interoperability Testing RCAT, ballot completed, no comments, so TR-8.25 will submit the document for publication.
- TSB-102.CBBL-A, P25 CAP TDMA RCAT, ballot completed, no comments, so TR-8.25 will submit the document for publication.

The chair invited a motion to send the RCATs that were approved for publication to the steering committee to then send to the CAP Governing Board for their consideration in ongoing compliance assessment program activities. Jim Downes agreed and made the motion. John Lambrou seconded the motion. The motion passed unanimously. The chair announced that leadership elections would held at the June meeting.

21. New Business

John Lambrou noted that a project to update TSB-102-B to revision C was approved in October. Comments for TSB-102-C for the new project were circulated on the FTP server in document 15-001.

Geoff Spring circulated a report from the Australian Radio Communications Industry Association (ARCIA) on the economic value of LMR spectrum in Australia.

22. Review of New Assignments

Chair to revise the TR-8 report for October.

Vice Chair to follow up with TIA to withdraw TIA-PN-102.BABH project.  
Roy McClellan, TR-8.12 Vice Chair, and TR-8.12 Chair to review status of TIA-102.BBAC-A project.  
John Oblak to clarify and correct the project spreadsheets.

23. Schedule Next Meeting

For the June meetings the following prioritized list of dates and venues was given to TIA.  
Week of 23-June and if not available then week of 16-June in Seattle, otherwise  
week of 23-June and if not available then week of 16-June in Portland.  
For the October meetings the following prioritized list of dates and venues was given to TIA.  
Week of 5-October or week of 26-October in 1.Austin, 2.San Antonio, 3.Charleston, or  
4.Charlotte.  
The weeks of 12-October and 19-October were rejected because of schedule conflicts.

24. Adjourn

Roy McClellan made a motion to adjourn. Harrison Reves seconded the motion. The motion passed. The meeting was adjourned at 2:13 P.M.

This meeting was conducted in accordance with the TIA legal guides and manual of organization and procedure. The electronic attendance roster is recorded in the TIA data base.

**Andy Davis**

Andy Davis  
TR-8 Chair

**Alan Wilson**

Alan Wilson  
TR-8 Vice Chair

TR-8 Mobile and Personal Private Radio Standards  
(02/04/2015)

<b>Attendee</b>	<b>Company / Representing</b>
Rubinstein, Tom	C: ACD Telecom R: ACD Telecom
McClellan, W. Roy	C: Airbus DS Communications R:
Chan, Jackson	C: Airbus DS Communications, Inc. R:
*Devine, Stephen	C: APCO Intl R:
Reitsma, Dale	C: Codan Radio R:
Oblak, John	C: E.F. Johnson Technologies R: E.F. Johnson Technologies
Massie, Richard	C: FBI R: FBI
Janky, William	C: Harris Corporation R: Harris Corporation
Reves, Harrison	C: Harris Corporation R: Harris Corporation
Wilson, Alan	C: Harris Corporation R: Harris Corporation
Lougee, Chris	C: Icom America Inc. R: Icom America Inc.
Takahashi, Masaaki	C: Icom America Inc. R: Icom America Inc.
Sellers, Lanny	C: Midland Radio Corp. R: Midland Radio Corp.
*Falgiatore, Nicholas	C: Mission Critical Partners R: Mission Critical Partners
Lambrou, John	C: Motorola Inc. R: Motorola Inc.
Senese, Tom	C: Motorola Solutions Inc. R: Motorola Solutions Inc.
Eastwood, Jim	C: Motorola Solutions, Inc. R: Motorola Solutions, Inc.
Davis, Andy	C: Motorola Solutions Inc.

	R: Motorola Solutions Inc.
*McGinnis, Kevin	C: National Association of State EMS Officials R:
Powell, John	C: Project 25 R: Project 25
Holthaus, Jim	C: RELM Wireless Corp. R: RELM Wireless Corp.
*Summers, Todd	C: Softwright R:
Crouch, George	C: State of South Carolina R: State of South Carolina
Brown, Kenneth	C: Technisonic Industries Ltd. R: Technisonic Industries Ltd.
Kramarikova, Marianna	C: TIA R: TIA
O'Brien, Timothy	C: TXRX Systems R: TXRX Systems
Blocker, Jim	C: U.S. Department of Homeland Security R: DHS OEC
Downes, James	C: U.S. Department of Homeland Security R: U.S. Department of Homeland Security
*Kendall, Sonia	C: US Coast Guard R:
Diemer, Brandon	C: US Department of Interior R:
Richmond, Randy	C: Zetron, Inc. R: Zetron, Inc.
Spring, Geoff	C: APCO Australasia