



Approved by General Counsel

TR-8 Meeting Report

Date(s): 06/19/2018 - 06/21/2018

Location: Hyatt Regency Atlanta

Approved: 06/27/2018



TR-8 Mobile and Personal Private Radio Meeting Report

Presiding: Andy Davis, Chairman +1 480.986.9430
andy.davis@motorolasolutions.com

Date/Time: Wednesday June 20, 2018 1:00 – 2:00 pm Local time

Place: Hyatt Regency Atlanta
265 Peachtree Street, NW
Atlanta, GA 30303

Participation Notice

TIA is actively seeking participation in projects from the “User” and “General Interest” communities.

Important Notice for Participation

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 TIA Standards Development Procedures 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 the head of the TIA Standards Department on a case-by-case basis.

Intellectual Property Rights (IPR) Policy and Early Disclosure Request

TIA's Intellectual Property Rights Policy can be found in Statements of Policy (ANNEX C) and other clauses and annexes of TIA Standards Development Procedures. Participants in the work of the TIA Formulating Groups are urged to review the appropriate sections. Individual participants are encouraged to notify TIA of any patent(s) or published pending patent application(s) of which they are aware that may be essential to the practice of a proposed TIA Publication, including requirements introduced through normative references, early on in the development to reduce the possibility for delays in the development process and increase the likelihood that the proposed TIA Publication will become a Standard. However, a Patent Holder who has provided TIA with a TIA Patent Holder Statement with respect to the applicable proposed TIA Publication need not (but may elect to) identify its specific patent(s) or published pending patent application(s) that may be essential to the practice of the proposed TIA Publication in question. Patent searches are not required to comply with the TIA Intellectual Property Rights Policy.

1. Call to Order

The Chair called the meeting to order at 1:06 pm local time, June 20, 2018 and recorded the meeting notes.

2. Record of Attendance

TR-8 Mobile and Personal Private Radio Meeting Report

A list of attendees is attached. As a result of the roll call, a quorum was determined to be present. The Chair noted that the TIA Participation Notice and the TIA Important Notice of Participation had been read earlier in the day.

3. Review and Approve Agenda

TIA published the agenda prior to this meeting. The agenda was also available on the TIA server as "TR8-18-007_TR-8_Meeting_Notice_Agenda 2018_6_20 REV 1.pdf". Dwight Smith moved to approve the agenda and John Lambrou seconded the motion. The motion was approved unanimously by voice vote.

4. Review and Approve Last Meeting Report

TIA published the last TR-8 Meeting Report also available on the meeting server as "TR8-18-004_TR-8_Meeting_2018_02_07_Meeting_Report_Approved version.pdf". Dwight Smith moved to approve the Meeting Report and Chris Maiers seconded the motion. The motion was approved unanimously by voice vote.

5. TIA IPR Policy

The Chair noted that the TIA patent policy and early disclosure request had been read earlier in the day and asked if there was knowledge of patents, the use of which may be essential to any document being considered during this meeting that anyone would like to disclose at this time. No new IPR was identified.

6. Review Status of Old Assignments

The Chair noted that at the quorum meeting held in February, there was agreement to extend the review period for the latest revision of the draft PAM Tool Schema document (TR8-17-007-R1). The Chair noted that Motorola had submitted comments (TR8-17-020-R2 MSI Comments on TR8-17-007-R1.docx) and asked the author for a status update. Jim Holthaus reported that comments had also been received from EF Johnson but he had not had time to combine the comment matrices and provide author responses. Once a combined comment matrix with author responses is provided, the Chair will determine if a Working Group 1 conference call is needed for comment resolution discussions.

The Chair noted that updated versions of the informal TR-8 document tracking spreadsheet (TR8-18-005_TR8docs.xlsx) and project tracking spreadsheet (TR8-18-006_TR8projs.xlsx) were available on the server.

The chair noted that after the February quorum meeting two documents had been approved by the Steering Committee for inclusion in the P25 suite of Standards:

TR-8 Mobile and Personal Private Radio Meeting Report

- ANSI/TIA-102.AABC-D-3 “Accessory Sensed Emergency” Addendum
- TIA-102.BACD-B-2 “ISSI Messages and Procedures for Individual Regrouping”

7. TR-8.1 Transceiver Measurement Procedures and Performance – Davis (acting chair)

As the acting TR-8.1 Chair, the TR-8 Chair reported that TR-8.1 met during the week. Revisions of the following documents are in progress:

- ANSI/TIA-102.CAAA-E Digital C4FM/CQPSK Transceiver Measurement Methods
- ANSI/TIA-102.CAAB-D Land Mobile Radio Transceiver Performance Recommendations, Digital Radio Technology C4FM/CQPSK Modulation
- ANSI/TIA-102.CCAA-B Two-Slot Time Division Multiple Access Transceiver Measurement Methods
- ANSI/TIA-102.CCAB-A Two-Slot Time Division Multiple Access Transceiver Performance Recommendations
- ANSI/TIA-603-E Land Mobile FM or PM Communications Equipment Measurement and Performance Standards

The TR-8 Chair reported that leadership elections had been attempted in TR-8.1 but no nominations were received for either the Chair or Vice Chair position.

8. TR-8.3 Encryption – Senese

The TR-8.3 Chair (Tom Senese) reported that TR-8.3 did hold a quorum meeting this week. During the meeting there was approval to open a project for the revision of the Security Services Overview document; ANSI/TIA-102.AAAB-A. There was also approval to send the revision (ANSI/TIA-102.AAAB-B) to ballot.

9. TR-8.4 Vocoder – Davis (TR-8 Chair)

The TR-8 Chair reported that TR-8.4 did not meet during the week and there are no active work items.

10. TR-8.5 Data - Eastwood

The TR-8.5 Chair (Jim Eastwood) reported that TR-8.5 did hold a quorum meeting during the week. Jim reported that during that meeting there was agreement to send the following documents to ballot:

- 102.BAJC-B “Tier 2 Location Service Specification”
- 102.BAJD-A “TCP/UDP Port Number Assignments”
- 102.BAEG-A “Mobile Data Peripheral Interface”

TR-8 Mobile and Personal Private Radio Meeting Report

- 102.BAEJ-A “CMS Specification for Packet Data”

Jim also reported that during the meeting there was approval to open a project for revision of the following documents and to send the revisions to ballot:

- 102.BAED “Packet Data Logical Link Control Procedures”
- 102.BAEF “Packet Data Host Network Interface”

Jim also reported that during the meeting there was approval to change the status of the following ANSI documents to TIA only:

- TIA-902.BAAB-A WAI Scalable Adaptive Modulation (SAM) Physical Layer Specification
- TIA-902.BAAC-A WAI Media Access Control / Radio Link Adaptation Layer Specification
- TIA-902.BAAD-A WAI SAM Radio Channel Coding Specification
- TIA-902.BAAE-A WAI Logical Link Control Layer Specification
- TIA-902.BAAF-A WAI Mobility Management Layer Specification
- TIA-902.BAEB-A WAI Packet Data Specification

11. TR-8.8 Broadband Data Systems – Davis

The TR-8.8 Chair (Andy Davis) reported that TR-8.3 did hold a quorum meeting during the week during which he gave an update on 3GPP Mission Critical LTE standards work and an update on the joint ATIS/TIA Joint LMR LTE working group (JLMRLTE). The Chair also reported that a verbal status update on the National Public Safety Telecommunications Council (NPSTC) LMR to LTE Integration and Interoperability Working Group activities was provided.

12. TR-8.10 Trunking and Conventional Control - Lambrou

The TR-8.10 Chair (John Lambrou) reported that TR-8.10 did hold a quorum meeting during the week. John reported that work to revise the following documents is underway:

- 102.AABA-B “Trunking Overview”
- 102.AABB-B “Trunking Control Channel Formats”
- 102.AABC-D “Trunking Control Channel Messages”
- TIA-102-C “Project 25 TIA 102 Documentation Suite Overview”

13. TR-8.11 Antennas - Bankston

The TR-8 Chair reported that TR-8.11 did not meet during the week.

14. TR-8.12 2-Slot TDMA - Eastwood

TR-8 Mobile and Personal Private Radio Meeting Report

The TR-8-12 Chair (Jim Eastwood) reported that TR-8.12 did hold a quorum meeting during the week. The TR-8.12 Chair reported that drafting continues for the following documents:

- TIA-102.BBAC-A “MAC Layer Specification” (revision)
- TIA-102.BBAD-A “MAC Layer Messages” (revision)
- TIA-102.BBAE “MAC Layer Procedures” (new document)

15. TR-8.15 Common Air Interface - Eastwood

The TR-8.15 Chair (Jim Eastwood) reported that TR-8.15 did not meet during the week.

16. TR-8.17 RF Exposure – Lambrou

The TR-8.17 Chair (John Lambrou) reported that TR-8.17 did not meet during the week and there are no active work items.

17. TR-8.18 Wireless Systems Interference and Coverage - Eastwood

The TR-8.18 Chair (Jim Eastwood) reported that TR-8.18 did hold a quorum meeting during the week. Jim reported that the following documents were approved for ballot:

- TSB-88.1-E “Wireless Communications Systems in Noise and Interference-Limited Situations Part 1: Recommended Methods for Technology-Independent Narrowband Performance Modeling”
- TSB-88.3-E “Wireless Communications Systems in Noise and Interference-Limited Situations Part 3: Recommended Methods for Technology-Independent Narrowband Performance Verification”

18. TR-8.19 Wireline Systems Interface - Drobka

The TR-8.19 Chair (Jerry Drobka) reported that TR-8.19 did hold a quorum meeting during the week. Jerry reported that during the meeting there was approval to open a project for a revision of CACD-D “Inter-RF Subsystem Interface Interoperability Test Procedures for Trunked voice Operation Involving the ISSI” and to send the revision to ballot.

Jerry also reported that work continues on the ISSI Messages and Procedures for Group Regrouping document (to be published as TIA-102.BACG).

19. TR-8.21 Intrinsic Safety – Lambrou

The TR-8.21 Chair (John Lambrou) reported that TR-8.17 did hold a quorum meeting during the week. During the meeting David Malohn of UL LLC was elected vice chair. John also reported that a revision of ANSI/TIA-4950-A “Requirements for Battery-Powered, Portable



TR-8 Mobile and Personal Private Radio Meeting Report

Land Mobile Radio Applications in Class I, II, and III, Division 1, Hazardous (Classified) Locations“ is in progress.

20. TR-8.25 Compliance Assessment – Holthaus

The TR-8.25 Chair (Jim Holthaus) reported that TR-8.25 did hold a quorum meeting during the week. Jim reported that additional comments on the revision of TSB-102.CBBK-B (ISSI/CSSI RCAT revision) had been received from Motorola. During the meeting, the comments were agreed to and pending submission of an updated comment matrix and modified document, the revision was approved for ballot.

Jim also reported that during the meeting the TIA-102.CABA-A “Interoperability Testing for Voice Operation in Conventional Systems” revision was approved for ballot.

21. New Business

Alan Massie stated that the Federal Government was interested in the deprecation of the DES encryption algorithm and normative references to NIST documents having to do with the DES encryption algorithm from P25 documents. The Federal Partnership for Interoperable Communications (FPIC) will drive this effort.

22. Review of New Assignments

The TR-8 Chair noted an action item for the author of the PAM Tool Schema document to provide a combined comment matrix with author responses.

The TR-8 Chair noted an action item to update the TR-8 projects and documents spreadsheets.

23. Schedule Next Meeting

The TR-8 Chair noted that TIA staff has determined that the October 2018 face to face meeting is scheduled for Oct. 16 – 18 in San Antonio, TX.

Discussion on future meetings resulted in the following suggestions:

First or second week of February in Mesa, AZ

Second or third week of June in Des Moines, IA or Connecticut or Nashville, TN.

October in whatever city is not selected for June.

24. Adjourn

Dwight Smith made a motion to adjourn and Jim Downes seconded the motion. The meeting was adjourned at 1:42 pm local time. The attendance roster has been filed with



TR-8 Mobile and Personal Private Radio Meeting Report

the TIA Engineering Department. This meeting was conducted in accordance with the TIA Legal Guides and the engineering procedures.

Andy Davis
Chairman, TR-8

Attendee	Company / Representing
*Mistro, John	C: APCO International R:
*Wilson, Chris	C: APCO International R:
*Sanvido, Amy	C: Bird Technologies R:
*O'Reilly, April	C: Booz Allen Hamilton R: DHS OEC
Reitsma, Dale	C: Codan Radio R:
*Zhu, Liangbi	C: DHS OEC Support R:
*Smith, Dwight	C: EF Johnson R:
*Johnson, Josh	C: EFJohnson Technologies R: EFJohnson Technologies
*Locke, Charlie	C: Fairfaxcounty R:
Massie, Richard	C: FBI R: FBI
*Kindelspire, Chris	C: Grundy County 911 R:
Reves, Harrison	C: Harris Corporation R: Harris Corporation
*Wells, Derek	C: Harris Corporation R:
Takahashi, Masaaki	C: Icom America Inc. R: Icom America Inc.

TR-8 Mobile and Personal Private Radio Meeting Report

Shirley, Glenn	C: InterTalk Critical Information Systems R:
Davis, Andy	C: Motorola Inc. R: Motorola Inc.
Lambrou, John	C: Motorola Inc. R: Motorola Inc.
Drobka, Jerry	C: Motorola Solutions R:
Eastwood, Jim	C: Motorola Solutions, Inc. R: Motorola Solutions, Inc.
*Martinez-Bradwell, Maribel	C: NYSP R:
Nichols, Stephen	C: Project 25 Technology Interest GRoup R: 1951
*Summers, Todd	C: Softwright R:
*Maiers, Chris	C: State of Iowa R: Iowa Statewide Interoperable Communications System Board
Crouch, George	C: State of South Carolina R: State of South Carolina
*bielby, christie	C: TX DPS R:
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.

NOTE: A * denotes an attendee that has manually entered their information into the system and may not be currently in the TIA membership database.



TR-8 Mobile and Personal Private Radio Meeting Report