

Approved by General Counsel

TR-8 Meeting Report

Date(s): 10/17/2018 - 10/17/2018

Location: Hyatt Regency San Antonio Riverwalk

Approved: 11/05/2018



TR-8 Mobile and Personal Private Radio Meeting Report

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

Date/Time: Wednesday October 17, 2018 1:00 – 2:00 pm Local time

Place: Hyatt Regency San Antonio Riverwalk
123 Losoya Street
San Antonio, TX 78205

Participation Notice

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1. Call to Order

The Chair called the meeting to order at 1:49 pm local time, October 17, 2018 and recorded the meeting notes.

2. Record of Attendance



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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 "TR8-18-012_TR-8_Meeting_Notice_Agenda 2018_10_17.pdf". Dwight Smith moved to approve the agenda and Jerry Drobka 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 "TR8-18-009_TR-8_Meeting_2018_06_19_Meeting_Report_Approved version.pdf". Dwight Smith moved to approve the Meeting Report and Jim Eastwood 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 updated versions of the informal TR-8 document tracking spreadsheet (TR8-18-010_TR8docs.xlsx) and project tracking spreadsheet (TR8-18-011_TR8projs.xlsx) were available on the server.

Jim Holthaus reported that comments on the draft PAM Tool Schema document (TR8-17-007-R1) have been received from Motorola and EF Johnson but he has not had time to formulate comment responses. Jim stated that he hoped to complete this by the February quorum meeting. 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.

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

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As the acting TR-8.1 Chair, the TR-8 Chair reported that TR-8.1 did hold a quorum meeting during the week. Revisions of ANSI/TIA-102.CAAA-E Digital C4FM/CQPSK Transceiver Measurement Methods is in progress. Revisions of the following documents will follow:

- 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

8. TR-8.3 Encryption – Senese

The TR-8 Chair reported that TR-8.3 did hold a quorum meeting during the week. Revisions of ANSI/TIA-102.CAAA-E Digital C4FM/CQPSK Transceiver during the week. During the meeting there was approval to publish the revision of the Security Services Overview document; ANSI/TIA-102.AAAB-B.

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 the following were approved for publication:

- ANSI/TIA-102.BAJC-B “Tier 2 Location Service Specification”
- TIA-102.BAJD-A “TCP/UDP Port Number Assignments”
- ANSI/TIA-102.BAEG-A “Mobile Data Peripheral Interface”
- ANSI/TIA-102.BAEJ-A “CMS Specification for Packet Data”
- ANSI/TIA-102.BAED “Packet Data Logical Link Control Procedures”
- ANSI/TIA-102.BAEF “Packet Data Host Network Interface”

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



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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 by Chris Kindelspire.

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 the TIA-102.AABC-E “Trunking Control Channel Messages” revision was approved for ballot.

13. TR-8.11 Antennas - Bankston

The TR-8.11 Chair reported that TR-8.11 did not hold a quorum meeting during the week. A revision of TIA-804-C Standard Format for Digitized Antenna Patterns is underway.

14. TR-8.12 2-Slot TDMA - Eastwood

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 drafts of the following documents were provided:

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

Jim also reported that work continues on a draft of 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 publication:



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- 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 publish the revision of TUA-102.CACD-D “Inter-RF Subsystem Interface Interoperability Test Procedures for Trunked voice Operation Involving the ISSI”.

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-8.21 did not hold a quorum meeting during the week. John also reported that a revision of ANSI/TIA-4950-A “Requirements for Battery-Powered, Portable 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 during the meeting the following documents were approved for publication:

- TSB-102.CBBK-B (ISSI/CSSI RCAT revision)
- TIA-102.CABA-A “Interoperability Testing for Voice Operation in Conventional Systems”

21. New Business

The TR-8 chair noted that leadership elections for the Chair and Vice Chair positions will be held at the quorum meeting in February.

The TR-8 chair provided a letter from the Steering Committee asking TR-8 to take appropriate action to clarify the use of Key ID value 0000 and to clarify standards having to do with single key and multi key interoperability. The TR-8 chair noted that this has been discussed in ETG and that work indicated that the OTAR (AACA) and Block Encryption



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Protocol (AAAB) documents maintained by TR-8.3 need clarifications, that the Reserved Values document (BAAC) maintained by TR-8.15 did not need clarification and that regrouping documents maintained by or in progress within TR-8.10 and TR-8.19 should be reviewed.

The TR-8 chair described correspondence with Marianna Kramarikova regarding possible TR-8 involvement with standardization efforts associated with Unmanned Aircraft. The TR-8 chair explained there are 4 working groups for this effort some of which other TIA Engineering Committees are already involved. The TR-8 chair noted that while Public Safety will certainly use drones, the TR-8 chair did not feel that there was any overlap of current standards maintained by TR-8 and the standards that these working groups intend to create. The TR-8 chair asked if there was any interest in further involvement. None noted but it was suggested that The TR-8 chair monitor the work as it progresses to see if there is any future work that might be of interest to TR-8.

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.

The TR-8 Chair noted an action item to send 10 documents to the Steering Committee for their consideration of including them in the P25 suite of standards.

23. Schedule Next Meeting

The TR-8 Chair noted that TIA staff has determined that the February 2019 face to face meeting is tentatively scheduled for Feb. 5 – 7 in San Phoenix, AZ.

TIA is also seeking meeting facilities in Des Moines for the June face to face meetings. Victoria reported that meeting facilities in Nashville for October were quite expensive. Other suggestions for October were; San Diego, Boise and Memphis.

24. Adjourn

Dwight Smith made a motion to adjourn and Jim Eastwood seconded the motion. The meeting was adjourned at 2:27 pm local time. The attendance roster has been filed with the TIA Engineering Department. This meeting was conducted in accordance with the TIA Legal Guides and the engineering procedures.

Andy Davis
Chairman, TR-8



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Chairman, TR-8 Attendee	Company / Representing
*Mistro, John	C: APCO International R:
*Sanvido, Amy	C: Bird Technologies R:
Zielke, Lyndon	C: Cobham R: Cobham
Reitsma, Dale	C: Codan Radio R:
*Bankston, Jim	C: dbSpectra R:
*Smith, Dwight	C: EF Johnson R:
*Johnson, Josh	C: EFJohnson Technologies R: EFJohnson Technologies
Massie, Richard	C: FBI R: FBI
*Kindelspire, Chris	C: Grundy County 911 R:
Evans, John	C: Harris Corp. R:
Reves, Harrison	C: Harris Corporation R: Harris Corporation
*Jurrens, Greg	C: Harris County Central Technology Services R:
Takahashi, Masaaki	C: Icom America Inc. R: Icom America Inc.
Shirley, Glenn	C: InterTalk Critical Information Systems R:
*Lampe, Thomas	C: Iowa DPS R:
*Seay, Angelina	C: JVCKenwood R:



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Davis, Andy	C: Motorola Inc. R: Motorola Inc.
Lambrou, John	C: Motorola Inc. R: Motorola Inc.
Drobka, Jerry	C: Motorola Solutions R:
Senese, Tom	C: Motorola Solutions Inc. R: Motorola Solutions Inc.
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
Holthaus, Jim	C: RELM Wireless Corp. R: RELM Wireless Corp.
*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.



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