Approved by General Counsel

TR-8 Meeting Report

Date(s): 02/05/2019 - 02/07/2019

Location: Mesa, AZ

Approved: 02/22/2019

TELECOMMUNICATIONS
INDUSTRY ASSOCIATION

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TR-8 Mobile and Personal Private Radio
Meeting Report

Presiding:	**Andy Davis, Chairman**	**+1 480.986.9430** andy.davis@motorolasolutions.com
Date/Time:	**Wednesday February 6, 2019**	**1:00 – 1:30 pm Local time**
Place:	**Hilton Phoenix/Mesa** **1011 West Holmes Avenue** **Mesa, AZ 85210**	

Participation Notice

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1. **Call to Order**

   The Chair called the meeting to order at 1:08 pm local time, February 6, 2019 and recorded the meeting notes.

2. **Record of Attendance**

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 "TR8-19-001_TR-8_Meeting_2019_02_05_Notice_Agenda.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 "TR8-18-015_TR-8_Meeting_2018_10_17_Meeting_Report_approved version.pdf". Dwight Smith moved to approve the Meeting Report and Glenn Shirley 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 (TR8-18-016_TR8docs.xlsx) and project tracking spreadsheet (TR8-18-017_TR8projs.xlsx) were available on the server.

The TR-8 Chair noted that after the October 17th quorum meeting 10 documents had been sent to the Steering Committee for their consideration of including them in the P25 suite of standards and that all documents had been approved.

The author of the draft PAM Tool Schema document (TR8-17-007-R1) was not present. The TR-8 Chair reported that comments have been received from Motorola and EF Johnson and comment responses from the author are still pending. 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

Leadership elections were attempted but there were no nominations for the Chair or Vice Chair position.

8. TR-8.3 Encryption – Senese

The TR-8 Chair reported that TR-8.3 did hold a quorum meeting during the week. During the meeting there was approval to open a project for an addendum to ANSI/TIA-102.AACA-A that would address Single Key/Multi Key interoperability.

The TR-8 Chair also reported that leadership elections were held. Tim Woodward (Motorola Solutions) was elected Chair and Harry Reves (Harris) was elected Vice Chair.

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 TCP/UDP Port Number Assignments 2nd Edition – Published as TIA-102.BAJD-A published in January 2019 and that 5 documents approved for publication during the October 2018 quorum meeting were currently in ANSI review.

The TR-8.5 Chair also reported that leadership elections were held. Jim Eastwood (Motorola Solutions) was re-elected as chair and there were no nominations for the Vice Chair position.

11. TR-8.8 Broadband Data Systems – Davis

The TR-8.8 Chair (Andy Davis) reported that TR-8.8 did hold a quorum meeting during the week during which he gave a verbal update on 3GPP Mission Critical LTE standards meeting schedules and an update on the joint ATIS/TIA Joint LMR LTE working group (JLMRLTE). The JLMRLTE working group is soliciting discussion papers on the scope and priorities of work being done. TR-8.8 agreed to draft a discussion paper on this subject for possible submission by TIA.

The Chair 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.

The Chair also reported that leadership elections were held. Andy Davis (Motorola Solutions) was re-elected as Chair and there were no nominations for the Vice Chair position.

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 publication.

13. TR-8.11 Antennas - Bankston

The TR-8.11 Chair reported that TR-8.11 did hold a quorum meeting during the week. A project was approved for the revision of TIA-804-C Standard Format for Digitized Antenna Patterns and there was agreement to send the latest revision to ballot.

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 progress continues on the drafts of the following documents were provided:

- 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 meet during the week and that leadership elections were held. Jim Eastwood (Motorola Solutions) was re-elected as Chair and there were no nominations for the Vice Chair position.

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. The Chair noted that leadership elections are planned for June 2019.

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 published in November:
- 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"

The Chair also reported that leadership elections were held. Jim Eastwood (Motorola Solutions) was re-elected as Chair and Bob Shapiro was re-elected as Vice Chair (pending resolution of TIA membership issues.)

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. The Chair 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 hold a quorum meeting during the week.

John 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.

John also reported that leadership elections were held. John Lambrou (Motorola Solutions) was re-elected as Chair.

20. TR-8.25 Compliance Assessment – Holthaus

The TR-8 chair noted that TR-8.25 held a non quorum meeting during the week. Comment resolution on a proposed change to CABC-C System Call Test Cases were discussed.

21. New Business

The TR-8 chair asked if there were any nominations for the Chair position. None noted. The Chair then stated that he had served two consecutive terms as chair and had submitted a letter of nomination and support to TIA. Jim Downes moved that nominations be closed and that Andy Davis be re-elected as Chair. Dwight Smith seconded the motion. The motion was unanimously approved.
The Chair asked if there were any nominations for Vice Chair. None noted.

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 1 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 June 2019 face to face meeting is scheduled for June 18 – 20 in Des Moines, IA and the hotel and meeting facility have been booked.
Victoria reported that TIA is targeting October 8 – 10 for a face to face meeting and is considering San Diego or Memphis as the meeting location. A hotel and meeting facility have not yet been booked.
After a brief discussion, there was agreement to hold a face to face meeting in the Phoenix area in late January or early February, 2019. The week of February 4 – 6 was proposed.

24. Adjourn

Dwight Smith made a motion to adjourn and Jerry Drobka seconded the motion. The meeting was adjourned at 1:34 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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Attendee	Company / Representing
*Mistro, John	C: APCO International R:
*Sanvido, Amy	C: Bird Technologies R:
*O'Reilly, April	C: Booz Allen Hamilton R: DHS OEC
Hoepf, Werner	C: Codan Radio Communications R: Codan Radio Communications
*Smith, Dwight	C: EF Johnson R:
*Johnson, Josh	C: EFJohnson Technologies R: EFJohnson Technologies
Chapman, Doug	C: Etherstack R: Etherstack
*Locke, Charlie	C: Fairfaxcounty R:
Massie, Richard	C: FBI R: FBI
*Kindelspire, Chris	C: Grundy County 911 R:
Hengeveld, Tom	C: Harris R: Harris
Reves, Harrison	C: Harris Corporation R: Harris Corporation
Smith, Jim	C: Icom America Inc. R: Icom America Inc.
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:
Woodward, Tim	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
*Cochrane, Douglas	C: State of Indiana - IPSC R:
*Maiers, Chris	C: State of Iowa R: Iowa Statewide Interoperable Communications System Board
*Bain, David	C: TIA R:
*bielby, christie	C: TX DPS R:
*Kendall, Sonia	C: US Coast Guard R:
Diemer, Brandon	C: US Department of Interior R:

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