Approved by General Counsel

TR-8 Meeting Report

Date(s): 06/18/2019 - 06/20/2019

Location: Hilton Des Moines - Des Moines, IA

Approved: 07/08/2019

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 19, 2019** **11:30 am – 12:00 pm Local time**

Place: **Hilton Des Moines**
435 Park Street
Des Moines, IA 50309

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1. **Call to Order**

    The Chair called the meeting to order at 10:35 am local time, June 19, 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 "TR8-19-006_TR-8_Meeting_2019_06_18_Notice_Agenda.pdf". Jim Downes moved to approve the agenda and Harry Reves 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 "TR8-19-003_Meeting_2019_02_05_Meeting_Report_Approved version.pdf". Jim Eastwood moved to approve the Meeting Report and Josh Johnson 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 (TR8-19-004_TR8docs.xlsx) and project tracking spreadsheet (TR8-19-005_TR8projs.xlsx) were available on the server.

The author of the draft PAM Tool Schema document (TR8-17-007-R1) 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)

The TR-8.1 acting Chair (Andy Davis) reported that TR-8.1 did hold a quorum meeting during the week. Andy reported that review of ANSI/TIA-102.CAAA-E Digital C4FM/CQPSK

Transceiver Measurement Methods has been completed and a draft of ANSI/TIA-102.CAAB-E is under review. Revisions of the following documents will follow:

- 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

Andy noted that during the TR-8.1 meeting, as acting chair, he had neglected to suggest that ANSI/TIA-102.CAAB-E be considered for ballot. A motion to approve ANSI/TIA-102.CAAB-E for ballot in TR-8.1 was made by Tom Hengeveld and seconded by John Lambrou. The motion was approved unanimously by voice vote.

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

8. TR-8.3 Encryption – Woodward

The TR-8.3 Chair (Tim Woodward) reported that TR-8.3 did hold a quorum meeting during the week. Tim reported that an addendum to ANSI/TIA-102.AACA-A to address Single Key/Multi Key interoperability was provided for review.

Tim also reported that as part of the ANSI 5-year review, comments are requested for the published version of ANSI/TIA-102.AACA-A.

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

The TR-8.4 acting Chair (Andy Davis) 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 and that 2 documents approved for ballot.

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 provided an informal presentation on 3GPP Mission Critical LTE standards activities. Andy also reported that he provided a status update on the joint ATIS/TIA Joint LMR LTE working group (JLMRLTE).

Andy 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 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 and that 1 document was approved for ballot.

13. TR-8.11 Antennas - Bankston

The TR-8.11 Chair (Jim Bankston) reported that TR-8.11 did hold a quorum meeting during the week and 1 document was approved for publication.

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 and 3 documents were approved for ballot.

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. Jim reported that comments are requested on the published version of TIA-102. BAAD-B "Conventional Procedures".

16. TR-8.17 RF Exposure – Lambrou

The TR-8.17 Chair (John Lambrou) reported that TR-8.17 did meet during the week and that leadership elections were held resulting in the re-election of John Lambrou as Chair.

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

The TR-8.18 Chair (Jim Eastwood) reported that TR-8.18 did not hold a meeting during the week. Jim reported that TIA has made progress on revising the language for TSB Notice pages but revised documents have not yet been published.
The TR-8 Chair (Andy Davis) noted that leadership elections were held at the last meeting and Bob Shapiro was re-elected as Vice Chair pending resolution of TIA membership issues. Andy asked if TIA had an update on the status of the Vice Chair position. Victoria Mitchell stated that she would look into it.

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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 and that leadership elections were held. Jerry Drobka was re-elected as Chair and the Vice Chair position remains open.

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 and 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 and that leadership elections are planned for October. The TR-8 Chair noted a letter from the Steering Committee was provided that endorsed a request for additional Trunking Air Interface Interoperability tests. The TR-8 Chair noted that if created, these tests would be a part of the TIA-102.CABC document maintained by TR-8.25 and asked that TR-8.25 take an action to consider the request. The TR-8.25 Chair noted that this had been done during the TR-8.25 quorum meeting this week.

21. New Business

The TR-8 Chair provided a letter from the Steering Committee and a position paper on the Aselsan authentication proposal. Jim Downes gave a verbal overview of the Steering Committee position. The TR-8 Chair noted that the Steering Committee position paper was also presented during the TR-8.3 and TR-8.10 quorum meetings earlier in the week.

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.
As acting Chair of TR-8.1, the TR-8 Chair noted an action item to ballot ANSI/TIA-102.CAAB-E for ballot in TR-8.1.

23. Schedule Next Meeting

Victoria Mitchell reported that TIA is in the process of booking a hotel for face to face meetings October 8 – 10 in Charlotte, NC.

Victoria also reported that TIA is looking at the Phoenix, AZ area for face to face meetings the week of February 4 – 6, 2020.

There were suggestions for holding a face to face meeting in October, 2020 in Albany, Boise, Memphis, Nashville or Huntsville, AL.

24. Adjourn

Tom Hengeveld made a motion to adjourn and John Lambrou seconded the motion. The meeting was adjourned at 11:05 am 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

Attendee	Company / Representing
*Mistro, John	C: APCO International R:
*Sloan, Donald	C: Bird Technologies R:
*O'Reilly, April	C: Booz Allen Hamilton R: DHS CISA
Hoepf, Werner	C: Codan Radio Communications R: Codan Radio Communications
*Bankston, Jim	C: dbSpectra R:
*Johnson, Josh	C: EFJohnson Technologies R: EFJohnson Technologies
Chapman, Doug	C: Etherstack R: Etherstack
Massie, Richard	C: FBI R: FBI
Hengeveld, Tom	C: Harris R: Harris

Reves, Harrison	C: Harris Corporation R: Harris Corporation
Takahashi, Masaaki	C: Icom America Inc. R: Icom America Inc.
Shirley, Glenn	C: InterTalk Critical Information Systems R:
*Seay, Angelina	C: JVCKenwood 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
Holthaus, Jim	C: RELM Wireless Corp. R: RELM Wireless Corp.
*Lemmon, John	C: STATE OF CALIFORNIA R: APCO
*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:

*Middleton, James	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.