<u>**Approved by General Counsel**</u>

TR-8.19

Meeting Date(s): 8 October 2019

Location: Fairfield Inn & Suites Charlotte Uptown – Charlotte, NC

Approved: 17 October 2019

TIA Meeting Report

Organization: **TIA TR-8.19**   **Wireline Interfaces**

Presiding: Jerry Drobka, Chairman   (847) 576-3797,
                                                            jerry.drobka@Motorolasolutions.com

Date/Time: October 8, 2019   14:00 to 14:30 EDT

Location: Charlotte, NC

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1. Call to order
The meeting was called to order at 1:26 PM local time (EDT). The presiding Chair recorded the meeting notes.

2. Record attendance
A list of attendees is attached. Roll was called. A quorum was determined to be present. The attendees were advised of the Important Notice of Participation which was included the Meeting Notice/Agenda. The chair also advised the attendees that TIA is actively seeking participation in projects from the user and general interest communities.

3. Review and approve agenda
The chair distributed the agenda prior to this meeting. The agenda was also available in the TR-8.19 folder on the FTP site as *19-021 TR-8.19 Meeting Notice-Agenda Oct 2019.pdf.*   Mr. Dwight Smith moved to approve the agenda as written and Mr. Jim Eastwood seconded the motion. The motion passed unanimously by voice vote.

4. Review and Approve Last Meeting Report
The meeting report from TR8.19's June meeting in Des Moines was available in the TR-8.19 folder as *19-011 TR-8.19_Meeting_2019_06_18_Meeting_Report.pdf.* Mr. Dwight Smith made a motion to approve the meeting notes and Mr. Jim Eastwood seconded the motion; there was no discussion and the motion passed unanimously by voice vote.

5. TIA IPR Policy
The TIA patent policy was read earlier in the day by Mr. John Lambrou:

"TIA's Intellectual Property Rights Policy can be found in Statements of Policy (ANNEX D) and other clauses and annexes of this document. 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."

INTELLECTUAL PROPERTY RIGHTS (early disclosure policy)
"TIA has an Intellectual Property Rights (IPR) Policy. We call to the attention of participants and attendees that TIA's Policy is to encourage, but not require, the voluntary disclosure (preferably early) of Essential Patent(s) and published pending patent application(s) that may be essential to the practice of a TIA Publication. Such disclosures are to be made following the procedures of the TIA Intellectual Property Rights Policy. Additional information can be found in the TIA Intellectual Property Rights Guidelines."

The chair asked the question "is there knowledge of patents, the use of which may be essential to any standard being considered here?" No IPR was identified.

6. Old Business / Status Report
The chair provided the working group's status review using slide deck *19-027 TR-8.19 October 2019 Status Review.pptx.*

The chair reviewed TR-8.19's activity since the June meeting in Des Moines. There were working group calls which were held on August 7, September 4, and October 2. The calls were used to review and perform comment resolution on the draft TIA-102.BACA-B IWF Addendum.

a. Disposition of TIA-PN-102.BACG ISSI Messages and Procedures for Group Regrouping

The chair indicated that Motorola Solutions is developing the first draft. The latest documents were available in the BACG folder. The chair indicated that work is stalled in order to progress the IWF Addendum.

b. Disposition of TIA-102.CACD-D ISSI Interoperability Test Procedures for Trunked Voice Operation Involving the ISSI

The chair indicated that there is an editorial board comment matrix for this document and it was available in the CACD-D folder as 19-004. The matrix is for new issues identified since publication. The chair said Motorola has entered two issues which were identified based on questions from Mr. Chris Wilson.

The chair indicated that DHS CAP established a comment period on a draft ISSI CSSI Interoperability Test Case CAB which references the TIA-102.CACD-D test cases. The comment period closed on July 19 and a comment matrix has not yet been published. The chair said he will wait to see if the DHS CAP comment period identifies additional TIA-102.CACD-D comments prior to acting on the TR-8.19 comment matrix 19-004.

c. Document Progress Tracking

The chair provided the document progress tracking update slide deck
19-010 ISSI_Wireline_and_Air_Interface_documents_progress_status_June_2019.pptx.
The slides indicated that there were no changes since February of 2019.

   d. Future Work Outlook

      Future work in TR8.19 is expected on:
- The IWF Addendum
- Group Regrouping Messages and Procedures
- Group Regrouping Addendums
- ISSI Interoperability Erratum Addendum to fix errors
- ISSI Supplementary Data Interoperability from ISSITG

7. New Business
  a. Consideration of opening a project for TIA-102.BACA-B-3 *ISSI Messages and Procedures for Voice Services, Mobility Management, and RFSS Capability Polling Services – Addendum 3 – Interworking with an IWF*

The Chair summarized the ATIS WTSC/TIA TR-8 Joint Land Mobile Radio to Long-Term-Evolution (JLMRLTE) documents which were available in the TR-8.8 Charlotte folder:

- TR8.8-19-011_WTSC-JLMRLTE-2019-00038R002 – Liaison from WTSC to TR-8 regarding phase 1 completion of the JLMRLTE interworking architecture study
- TR8.8-19-012_WTSC-JLMRLTE-2019-00028R001 -May 9 JLMRLTE meeting ntoes which contains a description of the phase 1 scope of the Interworking Study document
- TR-8.8-19-013 WTSC-JLMRLTE-2019-00001R006 – the version of the Interworking Study document provided with the Liaison statement to Tia

The chair indicated TR-8.19 has started to enhance TIA-102.BACA-B to enable interworking for the services defined in Phase 1 of the JLMRLTE study. The services are:
- Group registration
- Group de-registration
- Group call (non-emergency and emergency)
- Announcement group call
- Broadcast group call
- Manual key management (no ISSI work)

The chair indicated the approach agreed to during the August 7 working group call is to create a new addendum which adds a normative annex that explains, for the services supported by phase 1 of the JLMRLTE Study, how specific sections of BACA-B (and its addendums) apply when one of the RFSSs is an IWF.

The chair indicated work on the normative annex is in progress, Rev 3 of the draft (19-022) and the combined comment matrix on Rev 2 of the draft (19-019-R2) were provided in the IWF Addendum folder on the FTP site.

The chair asked for a motion to open project TIA-102.BACA-B-3 *ISSI Messages and Procedures for Voice Services, Mobility Management, and RFSS Capability Polling Services – Addendum 3 – Interworking with an IWF*, Mr. Jim Downes so moved and Mr. Dwight Smith seconded the motion to open the project. There was no discussion and the motion passed unanimously by voice vote. The chair took an action item to request that the project be opened.

The chair then indicated that Motorola has authored a draft Liaison statement to JLMRLTE regarding issues that have been identified during the development of the TIA-102.BACA-B IWF Addendum based on the content of the JLMRLTE Phase 1 Study.

The draft Liaison asks for architectural guidance when there are multiple simultaneous audio sources in a single call. The Liaison also included two points for JLMRLTE consideration only.

The chair said draft Rev 01 of the Liaison was distributed September 28 and comments were received from FirstNet. The comments were resolved during the working group call on October 2 and the draft Liaison was revised for the comment resolutions. The FirstNet comment matrix was on the FTP site as 19-025-R1 and the revised draft Liaison statement was on the FTP site as 19-023-R1. The chair asked if there was consensus to send the Liaison (19-023-R1) to JLMRLTE. No members disagreed with sending the Liaison to JLMRLTE. The chair took an action item to forward the Liaison statement to JLMRLTE.

There was no other new business.

8.   Review of current Assignments
   a. The chair will request a project be started, TIA-102.BACA-B-3 ISSI Messages and Procedures for Voice Services, Mobility Management, and RFSS Capability Polling Services – Addendum 3 – Interworking with an IWF.
   b. The chair will forward the Liaison statement (19-023-R1) to JLMRLTE.
   c. Motorola Solutions is drafting the IWF Addendum (the new project TIA-102.BACA-B-3)
   d. Motorola Solutions is drafting the ISSI the Group Regrouping Messages and Procedures.

9.   Schedule next meeting
The next face-to-face meeting will be sometime after the new year. The chair asked for 30 minutes. TR-8.19.1 working group calls will continue as required from 10:00 am to 12:00 PM CDT.

10. Adjournment
Mr. John Lambrou made a motion to adjourn the meeting and Mr. Dwight Smith seconded the motion. The motion passed unanimously by voice vote. The meeting was adjourned at 1:46 PM local time (CDT).

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

Jerry Drobka, Chairman

Attendance TR8.19 October, 2019

Participant	Organization	Participant	Organization
John Mistro	APCO International	Justin Smith	*National Sheriff's Association*
Jim Holthaus	*BK Technologies*	Maribel Martinez-Bradwell	*NYSP*
Bernie Olson	*CSI Telecommunications*	Stephen Nichols	*PTIG*
Josh Johnson	*E. F. Johnson*	Todd Summers	*SoftWright LLC*
Dwight Smith	*E.F. Johnson*	John Lemmon	*State of California Public Safety Communications*
Doug Chapman	*Etherstack*	Scott Wright	*State of Connecticut Dept. of Emergency Management*
Richard Massie	*FBI*	George Crouch	*State of South Carolina*
Bill Janky	*FirstNet*	Christie Bielby	*TX DPS*
Masaaki Takahashi	*Icom America*	Robert Ausura	*US Dept. of Homeland Security*
Glenn Shirley	*InterTalk*	Joshua Black	*US Dept. of Homeland Security*
Thomas Lampe	*ISICSB*	Jim Downes	*US Dept. of Homeland Security*
Chris Maiers	*ISICSB*	Brian Heitman	*US Dept. of Homeland Security*
Angelina Seay	*JVCKenwood*	Britany Higdon	*US Dept. of Homeland Security*
Tom Hengeveld	*L3Harris*	April O'Reilly	*US Dept. of Homeland Security*
Harry Reves	*L3Harris*	Sonia Kendall	*US Coast Guard*
Derek Wells	*L3Harris*	James Middleton	*US Coast Guard*
Andy Davis	*Motorola Solutions*	Brandon Diemer	*US Department of Interior*
Jerry Drobka	*Motorola Solutions*	Ed Latimer	*Viavi Solutions*
Jim Eastwood	*Motorola Solutions*	Chad McAsey	*Viavi Solutions*
John Lambrou	*Motorola Solutions*	Randy Richmond	*Zetron*
Tim Woodward	*Motorola Solutions*		

The following shows the voting TIA member participation for previous meetings and current voting qualification. A check mark (✓) indicates the organization signed in electronically for the indicated meeting.

Voting Organizations	Atlanta, GA, June 19, 2018	San Antonio, TX October 16, 2018	Mesa, AZ February 5, 2019	Des Moines, IA June 18, 2019	Charlotte, NC October 8, 2019	Qualified to Vote at Next Meeting
1.) Catalyst					✓	No
2.) BK Technologies	✓	✓		✓	✓	Yes
3.) Codan	✓		✓	✓		Yes
4.) EF Johnson	✓	✓	✓	✓	✓	Yes
5.) Etherstack	✓	✓	✓	✓	✓	Yes
6.) FBI	✓		✓	✓	✓	Yes
7.) ICOM America	✓	✓	✓	✓	✓	Yes
8.) InterTalk	✓	✓	✓	✓	✓	Yes
9). ISICSB	✓	✓	✓	✓	✓	Yes
10.) JVCKenwood	✓	✓	✓	✓	✓	Yes
11.) L3Harris Corp.	✓	✓	✓	✓	✓	Yes
12.) Motorola Solutions	✓	✓	✓	✓	✓	Yes
13) US Coast Guard	✓	✓	✓	✓	✓	Yes
14.) US DHS / OEC	✓	✓	✓	✓	✓	Yes
15.) US Dept. of Interior	✓	✓	✓	✓	✓	Yes
16.) Zetron	✓	✓			✓	Yes

Non-Voting Organizations	Atlanta, GA, June 19, 2018	San Antonio, TX October 16, 2018	Mesa, AZ February 5, 2019	Des Moines, IA June 18, 2019	Charlotte, NC October 8, 2019
APCO International	✓	✓	✓	✓	✓
Bird Technologies	✓	✓	✓	✓	
Booz Allen Hamilton					✓
Cobham (Viavi)		✓			✓
Compliance Testing		✓			
CSI Telecommunications					✓
Dailey-Wells Comm		✓			
dBSpectra		✓			
Fairfax County	✓		✓		
FirstNet built by ATT			✓		✓
Grundy County 911		✓	✓	✓	
Harris County Central Tech Services		✓			
Iowa DPS			✓	✓	
NYSP	✓	✓	✓	✓	✓
PTIG	✓	✓	✓	✓	✓
Softwright		✓			✓
State of Connecticut					✓
State of Indiana			✓		
State of South Carolina		✓		✓	✓
TX DPS	✓			✓	✓

TR8.19 Subcommittee Correspondence Log Relevant to this meeting

18-025 ISSI Group Regrouping Messages and Procedures - Draft v4
19-004 TR-8_19_CACD_Editorial_Board.docx
19-011 TR-8.19_Meeting_2019_06_18_Meeting_Report.pdf
19-012 TR-8.19 2019-06 Attendance Log - Next Meeting Vote Eligibility.xlsx
19-013 TR-8.19.1 Plan for BACA update for Phase 1 of JLMRLTE Study
19-014-R1 BACA-B-3 sample addendum text rev02.pdf
19-015 Notes_TR819_Conf_Call_Aug_07.pdf
19-019-R2 Combined Comments on 19-014-R1.docx
19-020 Notes_TR819_Conf_Call_Sept_04.pdf
19-021 TR-8.19 Meeting Notice-Agenda Oct 2019.pdf
19-022 BACA-B-3 IWF addendum - rev03 .pdf
19-023-R1 TR8.19 - JLMRLTE Liaison Stmt Rev02.pdf
19-025-R1 TR-8.19 FirstNet comments on 19-023.docx
19-026 Notes_TR819_Conf_Call_Oct_2.pdf
19-027 TR-8.19 October 2019 Status Review.pptx
19-028 ISSI_Wireline_and_Air_Interface_documents_progress_status_Oct_2019.pptx
19-029 TR8.19 October 2019 Activity Report for SC.pptx

Projects Maintained by TR8.19
(Documents superseded by newer published documents not included)

Project	Publication	Title	Date
TIA-PN-102.BACA-B	TIA-102.BACA-B	Project 25 ISSI Messages and Procedures for Voice Services, Mobility Management, and RFSS Capability Polling	November 2012
TIA-PN-102.BACA-B-1	TIA-102.BACA-B-1	Project 25 ISSI Messages and Procedures for Voice Services, Mobility Management, and RFSS Capability Polling Services Rev B Addendum 1 - Group Emergency Behaviors Addendum	July 2013
TIA-PN-102.BACA-B-2	102.BACA-B-2	ISSI Messages and Procedures for Voice Services, Mobility Management, and RFSS Capability Polling Services Rev B Addendum 2 - Erratum 1 to Fix Errors and Omissions	November 2016
PN-3-3797-RV2	TSB-102.BACC-B	Project 25 ISSI Overview Revision B	November 2011
TIA-PN-102.BACD-B	TIA-102.BACD-B	Project 25 ISSI Supplementary Data Messages and Procedures	July 2011
TIA-PN-102.BACD-B-1	TIA-102.BACD-B-1	Project 25 ISSI Supplementary Data Messages and Procedures – Addendum 1 Emergency Alarm Message Expansion	May 2017
TIA-PN-102.BACD-B-2	TIA-102.BACD-B-2	Project 25 ISSI Supplementary Data Messages and Procedures – Addendum 2 Individual Regrouping	March 2017
PN-3-0287	TIA-102.BACE	Project 25 Conventional ISSI Messages and Procedures	March 2009 Reaffirmed Jan 2013
PN-3-0372	TIA-102.BACF	Project 25 ISSI Packet Data Messages and Procedures	October 2009
TIA-PN-102.BACG	To be TIA-102.BACG	ISSI Messages and Procedures for Group Regrouping	Projected December 2019
TIA-PN-102.BADA-A	TSB-102.BADA-A	Telephone Interconnect Overview (Voice Services)	June 2012
SP-3-4624-AD1	TIA-102.BADA-1	Project 25 Telephone Interconnect Requirements and Definitions Addendum 1 – Conv Individual Calls	April 2006
PN-3-3328-RV1	TSB-102.BAFA-A	Project 25 Network Management Interface	July 1999 Reaffirmed Jan 2013
PN-3-0193	TSB-102.BAGA	Project 25 Console Subsystem Interface Overview	February 2008 Reaffirmed Jan 2013
TIA-PN-102.BAHA-A	TIA-102.BAHA-A	Project 25 Fixed Station Interface Messages and Procedures	July 2017
PN-3-0256	TIA-102.CACA	Project 25 ISSI Measurement Methods	April 2007 Reaffirmed Jan 2013
PN-3-0256-AD1	TIA-102.CACA-1	Project 25 ISSI Measurement Methods Addendum 1 – Trunked Console ISSI	December 2008 Reaffirmed Jan 2013
PN-3-0258	TIA-102.CACB	Project 25 ISSI Performance Recommendations	April 2007 Reaffirmed Jan 2013

9

Project	Publication	Title	Date
PN-3-0258-AD1	TIA-102.CACB-1	Project 25 ISSI Performance Recommendations Addendum 1 – Trunked Console ISSI	December 2008 Reaffirmed Jan 2013
PN-3-0299	TIA-102.CACC	Project 25 ISSI Conformance Test	January 2009
TIA-102.CACC-1	TIA-102.CACC-1	Project 25 ISSI Conformance Test – Addendum 1 – Supplementary Data	August 2011
TIA-PN-102.CACD-D	TIA-102.CACD-D	Project 25 ISSI Interoperability Test Procedures for Trunked Systems Involving the ISSI	November 2018
PN-3-0264	TIA-102.CADA	Project 25 Fixed Station Interface Conformance Test	April 2007 Reaffirmed Jan 2013