

TIA TR-8 Summary from Austin TX Meetings, October 27-29 2015

This document highlights TR-8 accomplishments and work in progress for 2015. The document will be updated after every TR-8 face to face meeting occurring in 2015. The filename reflects the date of the latest update. After the first 2015 version, each update will use blue font to indicate the updates.

Completed in 2015:

Data

- **A revision of the Tier 2 Location Standard** was approved for publication. *The Standard was clarified to prevent interoperability issues as an increasing number of vendors implement P25 Location Standard Data applications.*
- **A revision of the Data Overview and Specification** was approved for publication. *This revision aligns the Overview with the recent revisions to several other P25 Data documents.*
- **A revision of the Radio Management Protocols Standard** was approved for publication. *The Standard was clarified to prevent interoperability issues as an increasing number of vendors are offering P25 Data peripherals.*

Air Interfaces

- **A revision of the Trunking Control Channel Messages Standard** was approved for publication. *The revision corrects several errata that have been noted since the last publication.*
- **A revision of the Link Control Word Formats and Messages Standard** was approved for publication. *The revision corrects several errata that have been noted since the last publication.*
- **A revision to the Trunking Procedures Standard** was approved for publication. *This revision updates the procedures associated with Trunked Data.*
- **A revision of the 2 Conventional Conformance Test Standards; Basic and Advanced** were approved for publication. *The revisions update the list of standard references and correct some errata noted since the last publication.*
- **A revision of the Conventional Procedures Standard** was approved for publication. *This revision updates the procedures associated with Conventional Data and a number of errata comments that have been noted since the last publication.*

Security

- **A revision of the Block Encryption Protocol Standard** was approved for publication. *This revision provides minor editorial clarifications to the previous version.*
- **A revision of the OTAR Interoperability Tests Standard** was approved for publication. *This revision is a complete re-write of the tests and test methods in the previous document and is based on the recent revisions to the OTAR Messages and Procedures Standard.*

Compliance Assessment Bulletins

- **A revision to multiple RCATs** were approved for publication. This includes:
 - RCAT for Trunked Interoperability (FDMA and TDMA tests)
 - RCAT for TDMA Voice Channel Air Interface (performance and Performance tests)
 - RCAT for Conventional Mode Fixed Station Performance
 - RCAT for Conventional Mode Subscriber Performance
 - RCAT for Trunked Mode Subscriber Performance
 - RCAT for Trunked Mode Fixed Station Performance

These revision efforts primarily update all references to TIA published test documents. The FDMA Trunking Interoperability testing RCAT was also revised to include Trunking Conformance test recommendations. These documents will be provided to the P25 Steering Committee with a recommendation that they forward to the DHS Compliance Assessment Program Governing Board for their consideration as input to future Compliance Assessment Bulletins.

Work in Progress:

A revision to the TIA-102 Documentation Suite Overview is in progress. *This update intends to keep the document current with individual document updates that have occurred since the last publication of the Overview.*

Security

- **Link Layer Encryption** is in progress. *This is the first big new technology upgrade for improved Security for all air interfaces of P25. It protects control channel control messages, and hides group and individual IDs.*
- **An addendum to the Key Fill Interface standard** is in progress. *This will enable Key Fill Device (KVL) interface to a KMF, an Authentication Facility and another Key Fill Device*

Wireline Interfaces

- **An addendum to the ISSI Messages and Procedures Standard** is in progress. *The revision corrects several errata that have been noted since the last publication.*
- **A revision to the Fixed Station Interface Standard** is in progress. *This revision adds additional capabilities the most significant of which is Packet Data.*
- **Additions to the Trunking ISSI Messages and Procedures Standard** are in progress. *The additions will add Individual and Group Regrouping capability associated with Console "Patch" type operations.*

Air Interfaces

- **A revision to the FDMA Common Air Interface Standard** is in progress. *This revision addresses errata that have been collected since the last publication.*
- **A revision to the Trunking Interoperability Test Standard** is in progress. *This revision merges the FDMA and TDMA material and address an error in a call pre-emption test procedure.*

- **A revision to the FDMA, TDMA and Analog Air Interface Performance Measurement Method Standards** is in progress. *These revisions will ensure that harmonics present in Class D amplifiers do not interfere with various audio measurements.*

Broadband

- **Public Safety requirements for Broad Band Data/LMR Interoperability** is in progress in a joint ATIS/TR8.8 effort. *This is the beginning of work to create the requirements for interworking of Broadband and Existing P25 LMR systems. This effort is currently on hold pending advancement of the 3GPP Mission Critical services architecture. A new ATIS ad hoc group has begun an effort to gather interworking requirements and scenarios for Broadband Mission Critical services and Land Mobile Radio Technologies such as Analog FM, P25 and Tetra. 11.19.15: An LMR Terminology paper was created by members of TR-8.8 Broadband subcommittee and submitted to the ATIS ad hoc group by Harris.*
- **Additions to TSB88** are in progress. *These additions will create recommendations for Broadband Data System coverage modeling and verification.*

AD note:

Add ATIS update and ISSI regrouping work