Project 25 Standards Update

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This document highlights TR-8 accomplishments and work in progress for 2016. The document will be updated after every TR-8 face to face meeting occurring in 2016. The filename reflects the date of the latest update. After the first 2016 version, each update will use blue font to indicate the updates.

Completed in 2016:
General

- **A revision of TSB-102 (TIA-102 Documentation Suite Revision C)** was approved for publication. *The Telecommunications Systems Bulletin RevC reflects TR8 progress since the last publication (2012), including new TIA publications, improved graphics, and addresses miscellaneous errata identified.*

Air Interfaces

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

Broadband

- **A revision of TSB-88.2-E (Wireless Communications Systems – Performance in Noise and Interference Limited Situations – Part 2: Propagation and Noise)** was approved for publication. *The revisions add information associated with Broadband Air Interface Propagation and Noise modeling.*

Work in Progress:
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.*

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 new standard for a TDMA Control Channel** is in progress. *This standard provides the messages and procedures for operating a 12.5 kHz channel with 2 TDMA slots where either or both may service Control Channel traffic.*

Broadband

- **Additions to TSB-88** are in progress. *These additions will create recommendations for Broadband Data System coverage modeling and verification.*