

TIA TR-8 Meeting Report and Project 25 Standards Update

Orlando FL January 31-February 2 2017 Andy Davis TIA TR-8 Chairman

This document highlights TR-8 accomplishments and work in progress for 2017. The document will be updated after every TR-8 face to face meeting occurring in 2017. The filename reflects the date of the latest update. After the first 2017 version, each update will use blue font to indicate the updates.

Completed in 2017:

Air Interfaces

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

Wireline Interfaces

Broadband

- **An addendum to TSB-88.3** was approved for publication. *This addendum adds new broadband-to-narrowband interference scenarios.*

Work in Progress:

Air Interfaces

- **A new standard for a TDMA Control Channel** has been approved for ballot. *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.*

Wireline Interfaces

- **A revision to the Fixed Station Interface Standard** is in progress. *This revision adds additional capabilities the most significant of which is Packet Data.*
- **Group and Individual Regrouping for the Trunking ISSI/CSSI Standard** is in progress. *This work will enable dispatch equipment connected to Trunking Infrastructures via the ISSI/CSSI to control both group and individual regrouping services. Note the control channel messaging for these services has already been standardized.*
- **An addendum to the ISSI Messages and Procedures for Supplementary Data** has been approved for ballot. *This addendum expands the existing emergency alarm request message to indicate that the emergency alarm request has been generated by conditions other than depression of the emergency alarm button*

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*

Broadband