

## **P25 Standards Update from the TIA TR-8 Meetings San Diego Oct 18-19**

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**Andy Davis, Chairman TIA TR-8**

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 published.  
*This revision addresses errata that have been collected since the last publication.*
- **A revision to the FDMA Common Air Interface Reserved Values document** was published.  
*This revision addresses errata that have been collected since the last publication.*
- **A revision to the Trunking Interoperability Test Standard** was published. *This revision merges the FDMA and TDMA material and addresses an error in a call pre-emption test procedure.*
- **A new Standard for a TDMA Control Channel Media Access Control (MAC) Layer** was published.  
*This standard describes the messages and procedures for a single slot (or “dual slot”) TDMA control channel. A single slot control channel in combination with a single slot voice traffic channel allows single (12.5 kHz) channel trunking sites.*
- **An addendum to the Trunking Control Channel Messages standard** was approved for publication.  
*This addendum introduces a “Vehicle Sensed Emergency” flag to the Emergency Alarm message.*
- **An addendum to the Trunking Control Channel Messages standard** was approved for ballot.  
*This addendum introduces an “Accessory Sensed Emergency” flag to the Emergency Alarm message.*

#### **Wireline Interfaces**

- **A revision to the Fixed Station Interface Standard** was published.  
*This revision adds additional capabilities the most significant of which is Packet Data.*
- **An addendum to the ISSI Messages and Procedures for Supplementary Data** was published.  
*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*
- **An addendum to the ISSI Messages and Procedures for Supplementary Data** was approved for ballot.

*This addendum introduces the messages and procedures for Individual Regrouping control across an ISSI/CSSI.*

## **Data**

- **A revision of the Location Services Overview bulletin** was approved for publication. *This revision aligns the content of the Overview document with the content of the Tier 1 and Tier 2 Location Service Specifications.*

## **Broadband**

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

## **Work in Progress:**

### **Air Interfaces**

- **A revision to the Conventional Interoperability Test standard** is in progress. *This revision corrects editorial errors and makes clarifications on various test procedures but does not add, remove or technically alter tests.*

### **Wireline Interfaces**

- **Group 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 group regrouping services. Note the control channel messaging for these services has already been standardized.*
- **A revision of the ISSI Recommended Compliance Assessment Tests bulletin** is in progress. *This revision will add recommended interoperability tests for Trunking CSSI applications and add recommended interoperability tests of TDMA operation of the Trunking ISSI and CSSI.*
- **A new Interoperability test standard for Trunked ISSI Supplementary Data Services** is in progress. *This document will provide a standard set of tests for validating interoperability of Supplementary Data Services (Emergency Alarm, Call Alert, etc) operating across a Trunked ISSI.*

### **Security**

- **Definition of a Link Layer Encryption Security Service** 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*

## **Data**

- **A revision of the Tier 2 Location Service** is in progress.  
*This revision corrects editorial errors and makes corrections to EXI Encoding examples.*

## **Broadband**