

Project 25 Standards Update February 2019

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This document highlights TR-8 accomplishments and work in progress for 2019. The document will be updated after every TR-8 face to face meeting occurring in 2019. The filename reflects the date of the latest update. After the first 2019 version, each update will use **blue font** to indicate the updates.

Completed in 2019:

Air Interfaces

- **A revision to the Trunking Control Channel Messages** standard was approved for publication.
This revision addresses errata that have been collected since the last publication.

Wireline Interfaces

Security

Data

Broadband

Work in Progress:

Air Interfaces

- **Creation of a High Signal Strength Intermodulation Rejection Test** is in progress.
This test will measure the ability of a P25 or analog conventional FM receiver to reject an unwanted broadband base station signal, thereby preventing degradation to the reception of a desired signal. Performance specifications are expected to follow completion of the measurement method.
- **A revision of ANSI/TIA-4950-B “Requirements for Battery-Powered, Portable Land Mobile Radio Applications in Class I, II, and III, Division 1, Hazardous (Classified) Locations”** is in progress.
UL is proposing improvements/clarifications to the document regarding electrical protection parameters.

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 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
- **An addendum to the Over The Air Rekeying Messages and Procedures standard** is in progress.
This will allow single key radios to use any Encryption Key ID and will allow multi-key radios to use any Encryption Key ID in order to ensure interoperability between single key and multi-key equipment.

Data

Broadband

- **Definition of 3GPP Mission Critical standard services interworking with TIA Land Mobile Radio standard services** is in progress.
This document will describe interworking of features (example; group and individual calls) that are common between 3GPP LTE standards and P25 Trunking, P25 Conventional and Analog Conventional FM LMR standards.