



**NPSTC General Meeting in Washington DC  
September 29, 2016**

# **Project 25 Technology Interest Group (PTIG) Update for 2016**

**Presented by:  
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[www.project25.org](http://www.project25.org)**



# Project 25 Technology Interest Group

Friday, September 23, 2016

- NEWS & EVENTS
- PURPOSE
- TECHNOLOGY
- COMPLIANCE ASSESSMENT
- MEMBERSHIP
- PRODUCTS
- DOCUMENTS



### The Latest News

**P25 Foundations and P25 User Experience IWCE PPTs now available**

**MissionCritical Communications Publishes P25 E-Book**

**PTIG Publishes Updated Frequently Asked Question (FAQ) Resource v1.3**

**Project 25 Testing Update Report by Compliance Testing LLC**

**Project 25 Technology Interest Group Elects a New Board of Directors and Officers for 2016-2017**

### Upcoming Events

P25 Standards Meetings TIA TR-8 Philadelphia PA  
October 18 - 20, 2016

IWCE 2017 Las Vegas NV  
March 27 - 31, 2017

## Welcome to the Project 25 Technology Interest Group

The Project 25 Technology Interest Group (PTIG) brings you this web site to provide information on all topics concerning Project 25.

Please register on the site for access to additional information. If you previously registered prior to June 2010, a new registration is required. This is to assure we have current and accurate information.

Registration is required to maintain a spam free site for you. No Fees are required for website registration.

**PTIG MEMBERS NOTE:** When your individual registration is validated for affiliation to a paid membership or a commercial member company, your registration will provide member access privileges.

Use the dialog box titled **"Contact Us"** on the home page for any inquiries about registration and membership.

**This site is the official home of PTIG and our P25 community.** Your suggestions and comments are always welcome. Use the dialog box titled **"Contact Us"** on the home page to make your suggestions, offer comments, or seek more information.

- List of P25 Trunking Systems
- List of P25 Conventional Systems
- P25 Frequently Asked Questions
- P25 Feature Translator
- P25 Standards latest Update
- P25 Steering Committee Approved List of Standards
- P25 Capabilities Guide

## What is Project 25?

Project 25 (P25) is the standard for the design and manufacture of interoperable digital two-way wireless communications products. Developed in North America

## Why P25?

Project 25 enables successful fulfillment of these factors so critical to public safety operations and use of two-way radio communications in the field.

# WWW.Project25.org



## P25 Frequently Asked Questions (FAQ) Update Sept 2016

- PTIG offers the FAQ tool to Public Safety and government users who need to deliver a simplified, top level, answer to typical P25 questions received from non-technologist personnel including Police Officers, Fire fighters, administrators, procurement contracting officers.
- This Updated FAQ document has 14 new questions and significant changes to P25 testing questions reflecting input from the recent Compliance Assessment Program (CAP) open meeting.
- The document has been reconfigured to categorize the questions by topic making the document easier to use for quick reference.



## P25 Frequently Asked Questions (FAQ) Update Sept 2016

The document has been reconfigured to categorize the questions by topic

- P25 Standards Overview, including a question on how the P25 Standards are created.
- P25 Compliance testing has been updated to reflect the latest DHS OIC Web links and document availability.
- Benefits of P25
- Relationship of P25 to other radio technologies
- Interoperability possible through the numerous Project 25 interfaces
- Multi-Vendor P25 solutions with real world examples of existing systems
- Project 25 Security Services available.



## P25 Frequently Asked Questions (FAQ) Update Sept 2016

### Examples of P25 FAQ Questions.

- How do I find which operational requirements and features are covered in the P25 Suite of Standards?
- What is the status of the P25 Phase 2 Standard suite?
- What are RCATs ?
- A new P25 system is building out in my region. I have a P25 radio, how do I get access?
- Why do we have a P25 system but my system operator says we can only buy one brand of radio?
- Does the future FirstNet LTE broadband data network make P25 obsolete?
- What is the range comparison between P25 digital and narrowband analog?



## New List of P25 Trunking and Conventional Systems, June 2016

- List of known P25 Systems in the USA, Australia, Canada, New Zealand, and the UK.
- The significant change to this update is the addition of a new list of P25 Conventional systems. The P25 Conventional systems total is 1299
- The P25 Trunking system list has grown from 711 systems last November to 842 systems today.
- **The grand total is 2141 Project 25 Systems from both lists combined.**
- Both P25 systems lists are organized by state, and territory.
- Information: System name, System user type (Federal, Tribal, Public Safety, Utility, Campus Police etc.), and Frequency band.
- P25 Trunking systems are identified as P25 Phase1 or P25 Phase 2.
- P25 Conventional systems are identified as digital only or mixed mode analog and digital.



# New List of P25 Trunking and Conventional Systems, June 2016

## Trunking System List Format

System Totals: P25 839 Trunking Systems P25 Phase 1: 693 systems P25 Phase 2: 146 systems						
STATE	SYSTEM NAME	P25	P25	Comments	System User	Freq. Band
<b>Alabama</b>	Alabama Regional Communications Sys	Phase 1		New	Public Safety	800
	Center for Domestic Preparedness	Phase 1			1st Responders	UHF Lo
	Dothan	Phase 1			Public Safety	800
	Fort Benning Military	Phase 1			DOD	UHF Lo
	Fort Rucker	Phase 1			DOD	VHF
	Gadsden & Etowah County	Phase 1			Public Safety	700
	Jefferson County	Phase 1			Public Safety	800
	Marshall Space Flight Center	Phase 1			Fed Agency	UHF Lo
	Maxwell Air Force Base	Phase 1			DOD	UHF Lo
<b>10</b>	Montgomery Metro Comm Coop District	Phase 1			Public Safety	800
	<b>Alabama First Responder Network</b>		Phase 2		Public Safety	700/800
	<b>Anniston Army Depot ANAD</b>		Phase 2		Public Safety	UHF Lo
<b>3</b>	<b>Shelby County First Responders</b>		Phase 2		Public Safety	VHF



# New List of P25 Trunking and Conventional Systems, June 2016

## Conventional System List Format

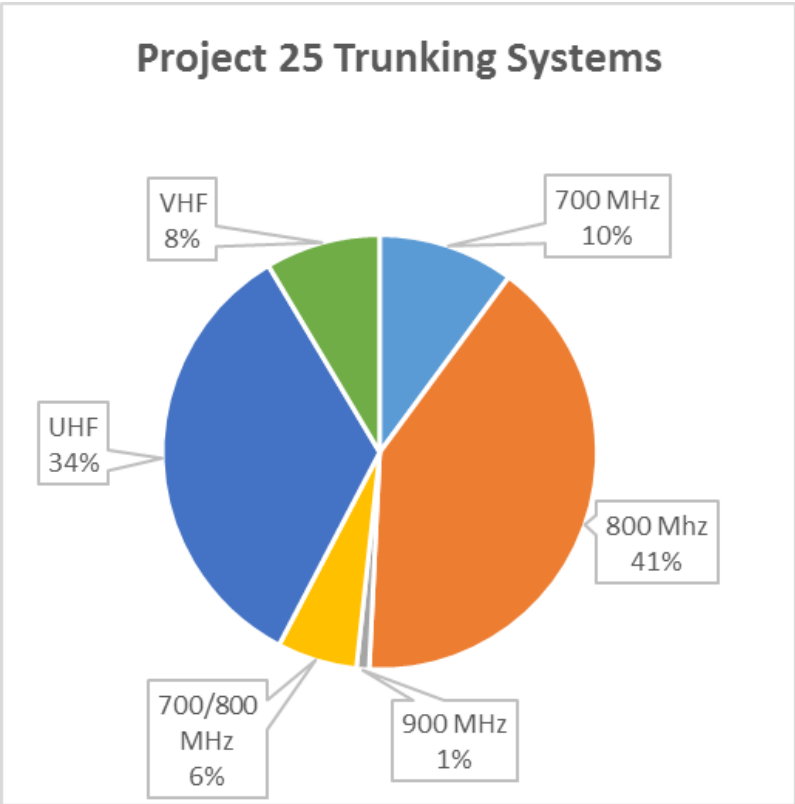
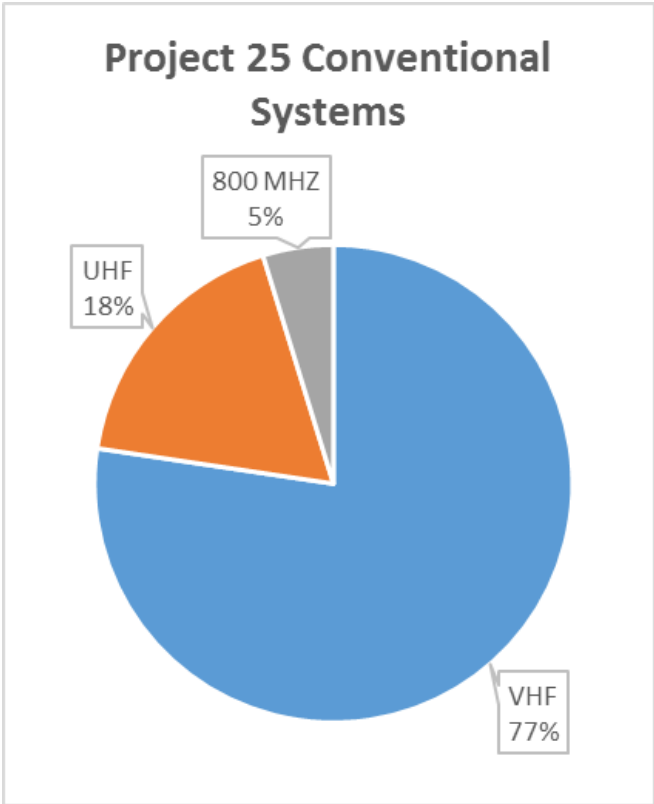
<b>Florida</b>	<b>FL Dept. of Corrections Reg 1</b>	<b>Phase 1</b>	<b>Mix Mode</b>	<b>Corrections</b>	<b>800</b>	
	<b>Region 3</b>	<b>Phase 1</b>	<b>Mix Mode</b>	<b>Corrections</b>	<b>800</b>	
	<b>Civil Air Patrol</b>	<b>Phase 1</b>	<b>Mix Mode</b>	<b>CAP</b>	<b>VHF</b>	
	<b>Customs &amp; Border Protection</b>	<b>Phase 1</b>		<b>Federal</b>	<b>VHF</b>	
	<b>FBI</b>	<b>Phase 1</b>		<b>Federal</b>	<b>VHF</b>	
	<b>United States Coast Guard</b>	<b>Phase 1</b>	<b>Mix Mode</b>	<b>Federal</b>	<b>VHF/UHF Lo</b>	
	<b>National Park Service</b>	<b>Phase 1</b>		<b>Federal</b>	<b>VHF</b>	
	<b>Bay County - Lynn Haven</b>	<b>Phase 1</b>		<b>Law Enforcement</b>	<b>UHF Lo</b>	
	<b>Brevard County - Port Canaveral</b>	<b>Phase 1</b>	<b>Mix Mode</b>	<b>Security</b>	<b>VHF</b>	
	<b>Broward County - Fort Lauderdale</b>	<b>Phase 1</b>	<b>Mix Mode</b>	<b>Public Safety</b>	<b>UHF Lo</b>	
	<b>Calhoun County</b>	<b>Phase 1</b>	<b>Mix Mode</b>	<b>Public Safety</b>	<b>UHF Lo</b>	
	<b>St. Lucie County</b>	<b>Phase 1</b>		<b>College</b>	<b>UHF Lo</b>	
	<b>West Palm Beach</b>	<b>Phase 1</b>	<b>Mix Mode</b>	<b>Law Enforcement</b>	<b>800</b>	





# New List of P25 Trunking and Conventional Systems, June 2016

## Frequency Bands in Use for P25

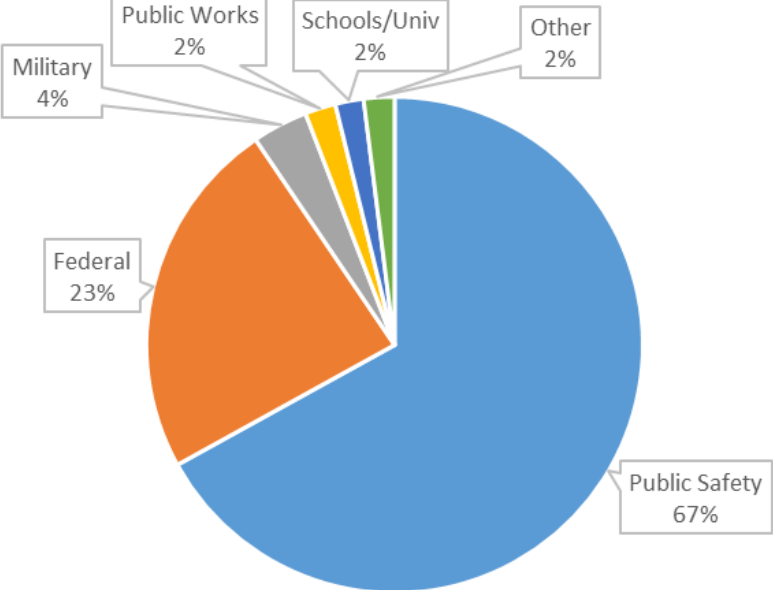




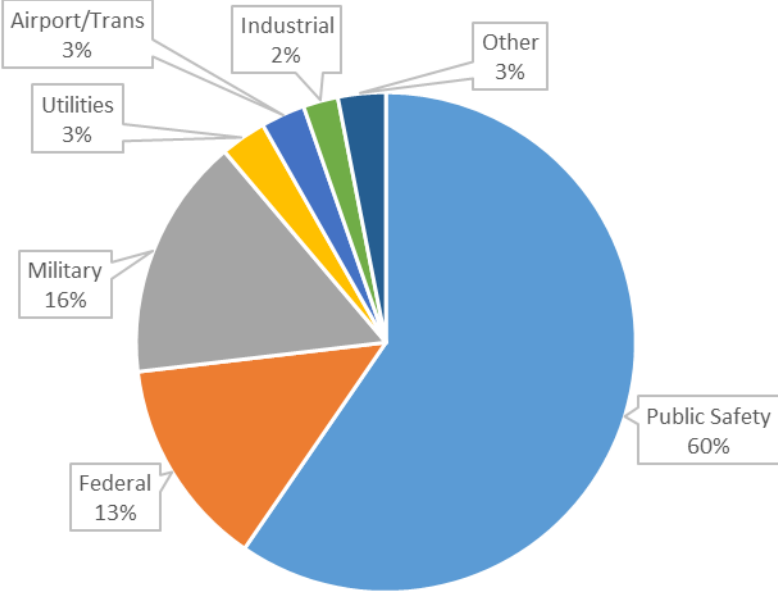
# New List of P25 Trunking and Conventional Systems, June 2016

## User Categories for P25

**Project 25 Conventional Systems**



**Project 25 Trunking Systems**



# Project 25 Technology Interest Group (PTIG)



## Other P25 Resource Documents available at [www.Project25.org](http://www.Project25.org)

- P25 Capability Guide

*Added Infrastructure interfaces and links to Statement of Requirements. Remains the best tool for managing P25 features and capabilities for system planning and RFP development*

- P25 Standards Update Summary

*Summary of the latest TIA TR-8 P25 Standards Meetings with user benefits defined*

- P25 Steering Committee Approved List of Standards

*Updated from the most recent P25 Standards meeting*

- P25 Feature Translator

*link to NPSTC PAM tool*

# Project 25 Technology Interest Group (PTIG)



## Recent PTIG P25 Whitepapers at [www.Project25.org](http://www.Project25.org)

- Now is a good time to revisit the use of P25 technologies on the Fire ground

*Benefits of using P25 mission critical radio equipment include:*

*Improved performance in background noise, Tone Signaling – DTMF, Knox and single tone is now supported, P25 Paging receivers are now available, Improved Coverage, Enhanced Signaling, Location Services.*

- **Benefits of P25 (Update)**

*Over the years, the most often selected article on the Project 25 website, [www.project25.org](http://www.project25.org), is the one describing Technology Benefits of P25. This article has been recently updated to include the new wireline interfaces (ISSI, CSSI, FSI) and new operational capabilities recently added to the P25 suite of standards.*

*The Whitepaper covers the background and history of the P25 Standard, original goals and objectives, a summary overview of the standards and how they translate into benefits for the Public Safety community.*

# Project 25 Technology Interest Group (PTIG)



## Other News at [www.Project25.org](http://www.Project25.org)

- **Project 25 Testing Update Report by Compliance Testing LLC**

*The Project 25 Technology Interest Group welcomes Compliance Testing LLC as a new Commercial member of PTIG. Compliance Testing LLC has prepared a report detailing the P25 Testing Update presented by DHS OIC and the Compliance Assessment Program Advisory Panel at their open meeting held during the APCO 2016 conference in Orlando.*

- **Project 25 Technology Interest Group Elects a New Board of Directors and Officers for 2016-2017**

*The Project 25 Technology Interest Group (PTIG) held it's Annual Meeting on August 14th. At that meeting, a Board of Directors and Officers were elected. A number of new Board members were elected from the Public Safety Radio User Community. These include: Christie Bielby-Texas DPS, Scott Wright-State of Connecticut, Brent Finster-University of Hawaii . Todd Perdieu from Harris was elected as a new Commercial Board member*

- **P25 Standards Meeting TIA/TR-8 Summary, June 2016**

*The Project 25 Technology interest Group (PTIG) has published the latest summary of P25 Standards Meetings proceedings from the June Meetings held in Kansas City. This document highlights TR-8 accomplishments and work in progress for 2016. The document is updated after every TR-8 face to face meeting occurring in 2016.*



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