

DHS SCIENCE AND TECHNOLOGY

Project 25 Compliance Assessment Program (CAP) Updates

March 2018



**Homeland
Security**

Science and Technology

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2016 Summary Test Report/Supplier's Document of Compliance

- S&T OIC set deadline for removal of non-508 compliant documents from the P25 CAP website, which aligned with the deadline to testing with 2016 CABs
 - Original deadline of August 2017 was extended to February 2018 to allow for laboratory accreditation
 - Manufacturers were required to test to the 2016 CAB test documentation
 - Delays in laboratory accreditation have resulted in a number of manufacturers requesting waivers
 - S&T has received and discussed waivers with those that have submitted waivers
 - Received a two month extension for non-508 SDOC/STRs
 - Remove non-508 documents from the website at the end of April 2018
 - If no waiver requests were submitted and approved, equipment will be removed and delisted from the Approved Grant Eligible list



Program Updates: 2016 CAB/508 Compliance Deadline Status

- Completed and deadline met:
 - Harris
 - Airbus
- Waiver requests received:
 - BK/RELM
 - EFJohnson
 - ICOM
 - JVCKENWOOD
 - Motorola Solutions
 - PowerTrunk/Sapura
 - Simoco
 - Tait
- Waiver requests not received (removed from website by March 15, 2018):
 - Codan
 - Datron
 - Midland
 - Raytheon
 - RCA
 - Thales
 - Unication

June 30, 2018 – If S&T OIC has not received a 2016 CAB based STR/SDOC, S&T OIC will remove equipment from the website.



Status of P25 CAP Laboratories' Accreditation

| P25 Laboratory | Recognized for 2016 Test Requirements Phase 1 (Frequency Division Multiple Access [FDMA]) | | | | Recognized for 2017 Test Requirements Phase 1/Phase 2 (FDMA/Time Division Multiple Access) | | | |
|--------------------------------|--|------------------------------|---------------------------------------|----------------------------------|---|--------------------------------------|---------------------------------------|--|
| | Subscriber Performance Phase 1 | Repeater Performance Phase 1 | Conventional Interoperability Phase 1 | Trunked Interoperability Phase 1 | Subscriber Performance Phase 1/Phase 2 | Repeater Performance Phase 1/Phase 2 | Conventional Interoperability Phase 1 | Trunked Interoperability Phase 1/Phase 2 |
| Compliance Testing | | | | | X | X | X | X |
| Harris | X | X | X | X | X | X | X | X |
| Motorola Solutions | X | X | | | X | | X | X |
| EF Johnson Technologies | X | X | X | X | | | | |
| Tait Communications | | | | | X | X | | |
| TIMCO | X | X | X | X | | | | |



Program Updates: TDMA (Two Slot) Status

- TDMA Test Documentation CAB was released July 2017
- Deadlines for DHS Recognized TDMA Test Labs and TDMA SDOC/STRs
 - TDMA Recognized Test Labs - September 2018
 - TDMA SDOC/STR submissions - March 2019
- DHS S&T Recognized TDMA-accredited Test Labs to date (February 28, 2018)
 - Harris: Subscriber, Repeater Performance; Conventional and FDMA/TDMA Trunking Interoperability
 - Motorola: Subscriber Performance; Conventional and FDMA/TDMA Trunking Interoperability
 - Compliance Testing: Subscriber, Repeater Performance; Conventional and FDMA/TDMA Trunking Interoperability
 - Tait: Subscriber Performance
- Third TDMA network vendor is required for rule of three testing
- No 2017 CAB SDOC/STRs submitted to date



SDOC/STR P25 CAP Test Documentation

- Draft SDOC/STR template formats update
 - Two webinars held
 - 30 day public comment period ends March 16, 2018
 - Will be published after adjudication of comments
 - S&T OIC would like to transition to this document as soon as possible
- S&T OIC to standardize SDOC/STR 2016/2017 templates to a single version
 - S&T OIC will assist manufacturers and laboratories through the transition



P25 CAP Certification Marks

- What are marks?
- How are they to be used?

PROJECT 25 COMPLIANCE ASSESSMENT PROGRAM (P25 CAP)
ACCREDITATION BODY CERTIFICATION MARK USAGE GUIDELINES

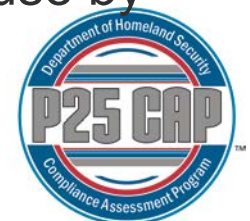


PROJECT 25 COMPLIANCE ASSESSMENT PROGRAM (P25 CAP)
RECOGNIZED LABORATORY CERTIFICATION MARK USAGE GUIDELINES



ISSI/CSSI Program for P25 CAP Testing

- Department of Interior Test Lab
- Industry test tool
- National Telecommunications and Information Administration (NTIA) Institute for Telecommunications Services (ITS) validation (research begun)
- S&T OIC Documentation plan
 - Define features to be conformance tested
 - Develop individual test cases
 - Review test cases with test tool developer
 - Add message sequence charts (MSC) to test cases
 - Add detailed messages to test cases
- P25 CAP testing will consist of conformance testing
- Will publish recommended interoperability test cases for use by public safety as part of acceptance testing
- Development of educational tools for ISSI/CSSI use



Identifying AP Priorities

- Conventional TDMA
- ISSI/CSSI Testing
- TDMA Testing
- P25/LTE Interworking
 - Standardizing features for situational awareness across LMR/LTE
- Standard features





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