Project 25 Compliance Assessment Program (P25 CAP) Open Meeting

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Our Progress to Date

Added testing for both Subscriber and base station/repeater equipment

- Time Division Multiple Access (TDMA) Receiver and Transmitter Performance testing
- Conventional Voice Interoperability testing
- Conventional Supplementary Data Interoperability testing
- Trunked Supplementary Data Interoperability testing
- TDMA Trunked Interoperability testing

New streamlined formats for Suppliers' Declaration of Compliance (SDOC) and Summary Test Reports (STR)

125 Different Pieces of Equipment that are part of the program

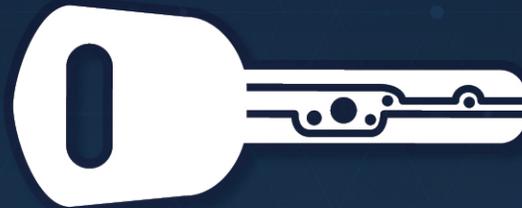14 Different Participating Manufacturers

P25 CAP ENCRYPTION REQUIREMENTS

To be P25 CAP compliant and eligible for Federal grant funding, radios must meet one of the following encryption requirements:

Have no encryption

Have AES 256
(for U.S. agencies only)

Have AES 256 along with any other non-standard encryption algorithms

P25CAP@hq.dhs.gov

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Partner Accreditation Bodies Standing By

The American Association for Laboratory Accreditation (A2LA) and ANSI National Accreditation Board (ANAB) – are ready to accept requests from testing laboratories to be accredited for ISSI/CSSI Interoperability testing.

Posting of Results: As vendors complete one set of tests (e.g., Interoperability), DHS will post test results on an "ISSI/CSSI Equipment Testing in Progress" page. Once vendors successfully complete both sets of tests for Interoperability and Conformance, DHS will publish completed results in the Approved (Grant-Eligible) Equipment List on the P25 CAP website

ISSI/CSSI Conformance Testing Update

Verification of ISSI/CSSI Test Cases continues

- Verification of written test cases
- Verification of test cases in test tool
- Updates of test cases and pass/fail documents as needed

Pilot testing between Valid8 and P25 Manufacturers continues

- Console CSSI testing
- RFSS ISSI testing

Additional P25 Manufacturers expected to pilot test with Valid8 this quarter

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ISSI/CSSI Test Lab Update

- Multiple Accreditation Bodies have been contacted by DHS Science & Technology (S&T) with regards to ISSI/CSSI Conformance and Interoperability Testing

- Department of Interior Denver Test Lab seeking ISO 17025 accreditation for ISSI/CSSI Conformance Testing (est. late spring/early summer 2020)

- One P25 Test Lab has already been accredited for ISSI/CSSI Interoperability testing

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ISSI/CSSI Conformance Test Tool Progress

Pass/Fail document development for ISSI/CSSI Conformance testing

- Provides examples for each message type utilized in test cases
- Defines P25 specific parameters utilized within messaging and their allowed values
- Defines which messages are optional
- P25 does not publish a Pass/Fail document

Significant effort validating pass/fail document during pilot testing

Minor issues found with equipment under pilot testing

Draft High-Level Process Framework for the Verification of ISSI/CSSI Conformance Test Tool Products has been developed and is going through review process for public release

P25 CAP Open Meeting Schedule

- May 21- Open Meeting Webinar – Details coming

- Association of Public Safety Communications Officials (APCO) Conference and Expo – Orlando, FL, August 2-5, 2020 – Details coming

- Winter SAFECOM In-Person Meeting – Webinar will be made available