

P25 Compliance Assessment Program Status Update Meeting





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Science and Technology Directorate

Agenda

- I. Welcome!
- II. Program Updates
- III. P25 Feature Gap Analysis
- IV. Open Discussion / Q&A



Welcome & Meeting Objectives

Meeting Objective:

 To provide a P25 CAP status update and an opportunity for feedback/input from all stakeholders

Reminders:

- Please check in via email: <u>P25CAP@hq.dhs.gov</u>
- Visit our website for regular program updates: https://www.dhs.gov/science-and-technology/p25-cap



Inter Radio Frequency (RF) Subsystem Interface (ISSI) / Console Subsystem Interface (CSSI) Conformance Testing Update

- New lab accreditations for ISSI/CSSI Testing
- Inter-RF Subsystem Interface/Console Subsystem
 Interface Conformance (ICC) Test Tool verification pilot continues to make progress
- ISSI/CSSI Conformance Test Tool document released
- ICC Test Tool Compliance Assessment Bulletin (CAB) in development



ISSI/CSSI Test Tool Verification – Interim Document

- High-Level Framework, v6 Interim Guidance Document Released:
 - "Clean" final version, comments matrices with resolution and reviewer reference copy sent
 - Tracked Changes Available upon request
- Changing the acronym to "ICC Test Tool" document
 - Clearer to future audiences, does not require acronym decoding
 - "ICCTT" creates awkward verbal stutter
 - Clearer label helps highlight uniqueness in P25 CAP program
- Will reflect findings from Pilot Project
- Next Step: convert to ICC Test Tool CAB

July 31, 2020, v6.0 Final

P25 CAP ISSECSSI COMPORDANCE TEST TOOL VERBILLATION PROCESS — DOTTED GERMANCE DOCUMENT OF A PENAL.

P25 CAP ISSI/CSSI Conformance Test Tool Verification Process — Interim Guidance Document v6.0

DHS S&T is currently developing procedures to enhance the Project 25 Compliance Assessmen Program (P25 CAP) for verification of commercial test tool products that me designed to perform conformance testing of P25 lines-RF Sub-System Interface (1331) and Consold Sub-System Interface (CSSI) equipment in accordance with relevant P25 CAP Compliance Assessment Bulletins (CAB)

This document presents, in the content of a draft proposed new CAB, a high-level process framework supporting DHS 5-8T recognition of 15SI CSSI Conformance Test Tool (ICCTT) products) for P25 CAP purposes. Intended users of this framework include organizations independently verifying ICCTT products, vendors developing consenterial ICCTT products, 15SI CSSI equipment conformance testing laboratories, entities conducting pilot-testing of ICCTT products, and manufactures developing detailed and summary technical and related reports of ICCTT products or DMS 5-8T and P25 CAP purposes. Further, a vendor interested in DMS 5-8T recognition of its 15SI CSSI conformance test tool(s) is requested to submit a request to the P25 CAP for further guidance.

To achieve this objective, the framework describes a high-level process for conducting and documenting repeatable verification procedures for ICCTT products in accordance with applicable DBS Self and P25 CAP technical and reporting requirements. The high-level process supports comprehensive verification that ICCTT products properly implements all of the CAB-specified confirmance tests for each of three, distinct equipments—under-tent (RUT) configurations. These test configurations are 1) ISSI testing for RFSS equipment, and 3) CSSI testing for CSS equipment and are described in detail in the overview section which follows:

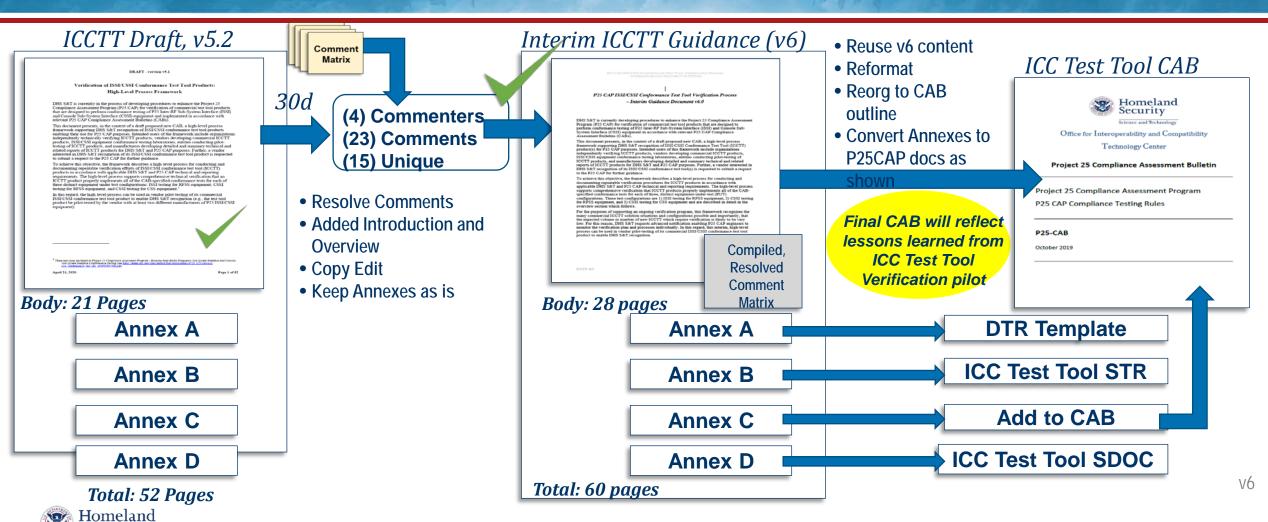
For the purposes of supporting an engoing verification program, this framework recognizes the many commencial ICCTT solutions situations and configurations possible and importantly, that the expected volume or number of new ICCTT which require verification in likely to be very low. For this reason, DSS Self Transports advanced auditication enabling P25 CAP engineers to monitor the verification plan and processes individually. In this regard, this interim, high-level process can be used in vendor pilot-testing of the commercial ISSI CSSI conformance test tool product to enable DMS Self Treognition.

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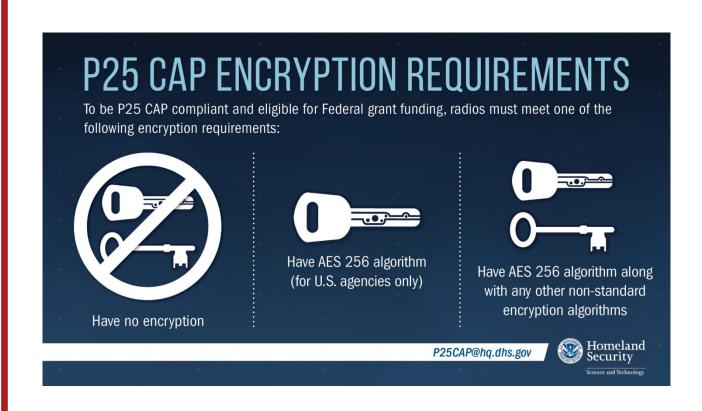


ISSI/CSSI Conformance Test Tool CAB Development



Jamming & Encryption

- Radio Interference and (RF) Jamming Considerations
 - Law enforcement at recent protests report possible jamming signals and attempts to disrupt public safety communications



SAFECOM CAP Task Force Liaison

 Roger Strope, Assistant Director, Missouri Department of Public Safety, Missouri Interoperability Center





Science and Technology

DIVERSE PERSPECTIVES + SHARED GOALS = POWERFUL SOLUTIONS

Contact us at: P25CAP@hq.dhs.gov or visit our website at https://www.dhs.gov/science-and-technology/p25-cap