



**Homeland  
Security**

Science and Technology

Office for Interoperability and Compatibility

## **Project 25 Compliance Assessment Bulletin**

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Project 25 Compliance Assessment Program

Testing Requirements

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**P25-CAB-TEST\_REQ**

August 2016

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## Notice of Disclaimer and Limitation of Liability

The Project 25 Compliance Assessment Program (P25 CAP) provides equipment purchasers with demonstrated evidence of a product’s compliance with a select group of requirements within the suite of P25 standards. The test procedures used to validate these requirements are also part of the P25 suite of standards. Although successful tests will demonstrate P25 compliance for the specific requirements tested, the conclusions drawn from these tests do not apply to every environment or individual user’s needs. P25 CAP-mandated tests only demonstrate product compliance with the test procedures listed in the Supplier’s Declaration of Compliance and, therefore, only attest to a product’s compliance with specific requirements within the P25 Standard.

The equipment supplier’s authorized representative signatory to the Supplier’s Declaration of Compliance (SDOC) bear full responsibility for the content, completeness and accuracy of the SDOC. The U.S. Department of Homeland Security shall bear no responsibility for incomplete or inaccurate statements within SDOC or Summary Test Report (STR) documents.

## Revision History

Version	Date	Description
Draft	6/20/2014	Revised dates and made minor editorial changes. Changed <a href="http://www.rkb.org">www.rkb.org</a> to <a href="http://firstresponder.gov/P25CAP">firstresponder.gov/P25CAP</a> .
Draft (For PC)	3/3/2015	Final release version for public comment (PC) approved on March 3, 2015. Posted for PC on March 19, 2015.
Draft 2 (For PC)	6/30/2015	Incorporates public comment-resolution candidates. Posted again for PC the week of June 30, 2015.
2016 Release	8/17/2016	Addresses March and July 2015 public comments. Posted for general use on August 17, 2016.

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## 1 Introduction

The Department of Homeland Security (DHS) Office for Interoperability and Compatibility (OIC) Project 25 Compliance Assessment Program (P25 CAP) is a voluntary program that allows P25 equipment suppliers to formally demonstrate their products' compliance with a select group of requirements within the suite of P25 standards. The purpose of the program is to provide emergency response agencies with evidence that the communications equipment they are purchasing meet P25 standards for performance, conformance and interoperability.

The program requires test laboratories to demonstrate their competence through a rigorous and objective assessment process. Such a process promotes the user community's confidence in, and acceptance of, test results from DHS-recognized laboratories. All equipment suppliers that participate in the P25 CAP must use DHS-recognized laboratories to conduct performance, conformance and interoperability tests on their products. P25 equipment suppliers will release Summary Test Report (STR) and Supplier's Declaration of Compliance (SDOC) documents based on the Detailed Test Report (DTR) from the DHS-recognized laboratory(s) that performed the product testing. This documentation will serve to increase the public's confidence in the performance, conformance and interoperability of P25 equipment.

Performance, conformance and interoperability issues are likely to occur in all communications technologies and especially in ones like P25 with protocols that constantly adapt to changing user requirements. Such problems should be resolved within the P25 CAP and, notably, before product launch and deployment. Further, the declaration of compliance-related documents developed by program participants will provide useful technical information about the equipment.

### 1.1 Scope

Federal Grant Guidance states that grant applicants using funds to purchase P25 equipment must obtain SDOC and STR documents posted to the [dhs.gov/science-and-technology/p25-cap](https://dhs.gov/science-and-technology/p25-cap) website. The evidence should show that the equipment has been tested based on all of the applicable, published P25 CAP Compliance Assessment Bulletins covering performance, conformance and interoperability. This Compliance Assessment Bulletin (CAB) provides the requirements for the P25 CAP, including an overview of the P25 interfaces that are currently covered by the P25 CAP, and when the applicable SDOC and STR documents are required to accommodate the most current CABs. SDOC and STR documents are submitted to DHS for review and approval of eligibility for grant procurement.

### 1.2 Effective Date

This Compliance Assessment Bulletin becomes effective on August 17, 2016.

### 1.3 Normative References

- [1] *SAFECOM Recommended Guidance for Federal Grant Programs*.<sup>1</sup>
- [2] *P25-CAB-CAI\_TEST\_REQ, Common Air Interface Baseline Testing Requirements*.<sup>2</sup>

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<sup>1</sup> <http://www.dhs.gov/safecom>.

- [3] P25-CAB-ISSI\_TEST\_REQ, *Inter-RF Sub-System Baseline Testing Requirements*.<sup>2</sup>
- [4] P25-CAB-SDOC\_REQ, *Supplier's Declaration of Compliance Requirements*.<sup>2</sup>
- [5] P25-CAB-STR\_REQ, *Summary Test Report Requirements*.<sup>2</sup>
- [6] P25-CAB-LAB\_BASE\_REQ, *Project 25 Compliance Assessment Program Baseline Laboratory Requirements*.<sup>2</sup>
- [7] P25-CAB-LAB\_EQP\_REQ, *Project 25 Compliance Assessment Program Laboratory Equipment Requirements*.<sup>2</sup>

## 1.4 Informative References

None.

## 2 SAFECOM Project 25 Grant Language Excerpt

[1] When purchasing Project 25 LMR equipment/systems, grantees will, at a minimum, ensure the vendor has participated in equipment testing consistent with the Project 25 Compliance Assessment Program (P25 CAP). Where such equipment is covered in the *Project 25 Compliance Assessment Program Requirements* document,<sup>3</sup> it must be tested in accordance with applicable standards and policies of the P25 CAP, and evidence of this testing must be documented through SDOC and STR documents that have been posted to the <https://www.dhs.gov/science-and-technology/p25-cap> website.

Additionally, when P25 products are purchased with a non-standard, proprietary feature or capability and a comparable feature or capability is part of the standard, the P25 product must include the standards-based feature or capability.

## 3 P25 Compliance Assessment Program Recommended Best Practices

In general, the Office for Interoperability and Compatibility within DHS believes that it is a best practice for public safety agencies procuring P25 products to require that SDOC and STR documents be demonstrable on the <https://www.dhs.gov/science-and-technology/p25-cap> website during that agency's purchasing process. The agency can make the most informed decision regarding which manufacturers are participating in the P25 CAP, the results of testing each manufacturer's products and which products to purchase.

## 4 SDOC and STR Requirements

SDOC and STR documents are required to be compliant with all relevant, current Compliance Assessment Bulletins on the effective date. SDOC and STR documents issued prior to an effective date for a Compliance Assessment Bulletin are required to be up to date 12 months following the relevant effective date(s) published on the bulletin's cover.

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<sup>2</sup> See <https://www.dhs.gov/science-and-technology/p25-cap> for the latest document version.

<sup>3</sup> This document.

## 5 Baseline CAI Compliance Assessment Requirements

### 5.1 Performance Tests

P25 Phase 1 Common Air Interface (CAI) devices will require both SDOC and STR documents by **AUGUST 30, 2017**, at the latest, where performance testing accommodates the most current version of the P25 CAI Baseline Testing Requirements CAB [2].

### 5.2 Conformance Tests

No tests are defined or required at this time.

### 5.3 Interoperability Tests

P25 Phase 1 CAI devices will require both SDOCs and STRs by **AUGUST 30, 2017**, at the latest, where interoperability testing accommodates the most current version of the P25 CAI Baseline Testing Requirements [2].

## 6 Baseline Inter-RF Sub-System Interface (ISSI) Compliance Assessment Requirements

### 6.1 Performance Tests

No tests are defined or required at this time.

### 6.2 Conformance Tests

P25 ISSI implementations will require both SDOCs and STRs by **AUGUST 30, 2017**, at the latest, where conformance testing accommodates the most current version of the P25 Inter-RF Sub-System Baseline Testing Requirements CAB [3].

### 6.3 Interoperability Tests

P25 ISSI implementations will require both SDOCs and STRs by **AUGUST 30, 2017**, at the latest, where interoperability testing accommodates the most current version of the P25 Inter-RF Sub-System Baseline Testing Requirements CAB [3].

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