Office for Interoperability and Compatibility

Project 25 Compliance Assessment Program

Project 25 Compliance Assessment Program Requirements

June 2009

Notice of Disclaimer and Limitation of Liability

The Project 25 Compliance Assessment Program (P25 CAP) provides equipment purchasers 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. While successful tests will demonstrate P25 compliance for the specific requirements tested, the conclusions drawn from these tests do not apply to every environment or need that individual users may have. P25-CAP-mandated tests only demonstrate product compliance with the test procedures listed in the Supplier's Declaration of Compliance (SDOC) 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 SDOC bear full responsibility for the content, completeness, and accuracy of the SDOC. Neither the National Institute of Standards and Technology nor the U.S. Department of Homeland Security shall bear any responsibility for incomplete or inaccurate statements within an SDOC.

Revision History

Version	Date	Description
First draft	May 8, 2009	Draft released for review.
Release	June 29, 2009	Date by which SDOC/STR are required to be up to date added.

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1 Introduction

The 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 meets 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 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 Reports and Supplier's Declarations of Compliance based on testing from laboratories recognized by the U.S. Department of Homeland Security (DHS). This documentation will 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 such as P25 where protocols 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.

The P25 CAP will provide the more than 60,000 emergency response agencies nationwide with a consistent and tractable perspective of P25 product compliance. It will also provide a means of verifying that Federal grant dollars are being invested in standardized solutions and equipment that promote interoperability.

1.1 Scope

The SAFECOM *Recommended Guidance for Federal Grant Programs* states that grant applicants using funds to purchase P25 equipment must obtain certain documented evidence from the manufacturer. 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 document 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 SDOCs and STRs are required.

1.2 Normative References

[1] *SAFECOM Recommended Guidance for Federal Grant Programs*[1]
[2] *Common Air Interface Baseline Testing Requirements*[2]
[3] *Inter Radio Frequency Sub-System Baseline Testing Requirements*[2]
[4] *Laboratory Application Compliance Assessment Bulletin*[2]
[5] *Supplier's Declaration of Compliance Requirements*[2]
[6] *Summary Test Report Requirements*[2]
[7] *Laboratory Recognition Process for the P25 Compliance Assessment Program*[2]

2 SAFECOM Project 25 Grant Language Excerpt

[1] When purchasing Project 25 land mobile radio equipment/systems, grantees should, at a minimum, ensure the vendor has participated in the Project 25 Compliance Assessment Program (P25 CAP) by testing that equipment. Where such equipment is covered in the Project 25 Compliance Assessment Program Requirements document found at http://www.safecomprogram.gov/SAFECOM/currentprojects/project25cap/, it must be tested in accordance with applicable standards and policies of the P25 CAP, and evidence of this testing will be presented through Supplier's Declarations of Compliance and Summary Test Reports that have been posted to http://www.RKB.us.

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 equipment to require that SDOCs and STRs be demonstrable on the http://www.RKB.us Web site during that agency's purchasing process. The agency can make the most informed decision regarding which manufacturers are participating in the Program, the results of testing each manufacturer's products, and which products to purchase.

4 Supplier's Declaration of Compliance and Summary Test Report Requirements

SDOCs and STRs are required to be up to date six months from the effective date of all relevant Compliance Assessment Bulletins.

5 Baseline Common Air Interface Compliance Assessment Requirements

5.1 Performance Tests

P25 Phase 1 Common Air Interface devices will require both SDOCs and STRs by **November 6, 2009,** at the latest, where performance testing accommodates the most current version of the P25 CAI Baseline Testing Requirements Compliance Assessment Bulletin [2].

[1] http://www.safecomprogram.gov/SAFECOM/grant/default.htm
[2] http://www.safecomprogram.gov/SAFECOM/currentprojects/project25cap/

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 **November 6, 2009,** at the latest, where interoperability testing accommodates the most current version of the P25 CAI Baseline Testing Requirements Compliance Assessment Bulletin [2].

6 Baseline Inter Radio Frequency Sub-System (ISSI) Compliance Assessment Requirements

6.1 Performance Tests

No tests are defined or required at this time.

6.2 Conformance Tests

No tests are defined or required at this time.

6.3 Interoperability Tests

No tests are defined or required at this time.