



# Office for **I**nteroperability and **C**ompatibility

## **Project 25 Compliance Assessment Bulletin**

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Project 25

Compliance Assessment Program

Supplier's Declaration of Compliance Requirements

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**P25-CAB-SDOC\_REQ**

August 2008

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## 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 and therefore, only attest to a product’s compliance with specific requirements within the P25 Standard.

## Revision History

| Version      | Date            | Description   |
|--------------|-----------------|---|
| First draft  | May 16, 2008    | Draft released for review.  |
| Second draft | August 1, 2008  | Second draft released for review.                                     |
| Release      | August 18, 2008 | Final release version approved on August 14, 2008 P25 CAP GB meeting. |

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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 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 recognized laboratories. All equipment suppliers that participate in the P25 CAP must use recognized laboratories to conduct performance, conformance, and interoperability tests on their products. P25 equipment suppliers will release summary test reports and declarations of compliance based on testing from DHS recognized labs. 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.

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**

This Compliance Assessment Bulletin will identify uniform format requirements for use in preparation of Supplier's Declaration of Compliance (SDOC) documents. These SDOCs are submitted to the Department of Homeland Security (DHS) Office of Interoperability and Compatibility (OIC) for review and posting.

## 1.2 Conventions

Throughout this CAB and its annex, gray text is illustrative to represent variable content.

## 1.3 Normative References

None.

## 1.4 Informative References

- [1] NIST Handbook 153, 2007 Edition
- [2] Charter for the Project 25 Compliance Assessment Program, April 2008
- [3] TSB-102.CBAB, Project 25 Compliance Assessment Program - Supplier's Declaration of Compliance (SDoC) Template
- [4] P25-CAB-TEST\_REQ – August 2008

## 2 Supplier's Declaration of Compliance Requirements

This portion of the Compliance Assessment Bulletin describes each major element or section of the SDOC document in a separate subsection.

### 2.1 SDOC File Format

All SDOC's submitted to DHS for review and posting will use Adobe Acrobat's Portable Document Format (.pdf).

### 2.2 SDOC Naming Convention

In order to provide for easy document management and traceability, all SDOC's will use a common naming convention, detailed as follows:

SDOC-<Manufacturer Unique Identifier>-<Manufacturer Document #>

The Manufacturer Unique Identifier is selected by the manufacturer that is issuing the SDOC, and must be unique so as not be confused with another manufacturer's SDOC's. Additionally, the Manufacturer Document # is a number that is chosen by the manufacturer issuing the SDOC, and is unique to other SDOC's issued by that same manufacturer. Here is an example:

SDOC-LMR-123456

### 2.3 Letterhead and Title

The SDOC document begins with the Project 25 CAP letterhead and title.

Figure 1 P25 CAP Letterhead and Title



## SUPPLIER'S DECLARATION OF COMPLIANCE (SDoC)

### 2.4 Company Information

Company information for the manufacturer of the land mobile radio (LMR) product appears at the top of the document, just below the P25 CAP letterhead and title. It includes the name of the company, its address, department, web address, and the name, phone number, fax number, and email address of the customer contact.

Figure 2 Company Information

**LMR Equipment Corporation**  
Quality Assurance Department  
1 Sound Way, Radio City, NY 12345-6789  
Customer Contact: Testem Daley  
Phone: 111-222-3333 Fax: 111-222-3334  
<http://www.lmrequipcorp.com>  
[tdaley@lmrequipcorp.com](mailto:tdaley@lmrequipcorp.com)

### 2.5 Product Information

Information for the LMR product tested in the P25 CAP appears at the top of the document, just below the company address and contact information. It includes the name of the product tested, and it describes a package (as applicable), such as a version or release, for the product and its installed options. The Installed Options description provides a single unique identifier to reflect the tested product's software, hardware, and firmware configuration.

Figure 3 Product Information

**Product Name:** Wokytoky

**Installed Options:** Hardware options A001, B017, Z999; Firmware version 2.8a

### 2.6 Declaration of Compliance

A declaration statement will follow the product information in the SDOC document. The supplier will declare that the product passes all of the Project 25 test cases specified in the associated Compliance Assessment Bulletin (CAB), either in whole or by section. All exceptions and/or excluded tests will be noted within the declaration. A list of applicable CABs and relevant CAB sections will follow the declaration, followed by the Detailed Test Report (DTR) document code that supports the test program<sup>1</sup>.

Figure 4 provides an example for the complying product.

<sup>1</sup> Note that inclusion of the DTR document code provides for document traceability between SDOC's, Summary Test Reports, and Detailed Test Reports. The format for the DTR document code is DTR-<P25 CAP Laboratory Code>-<P25 CAP Laboratory Document ID>

Figure 4 Declaration of CAB Test Cases Passed - Standard Options All Installed

LMR Equipment Corporation hereby declares that the above referenced product(s) pass the test cases listed in the following Project 25 Compliance Assessment Bulletin sections in their entirety without exclusions:

P25-CAB-TEST\_REQ – July 2008, Section 2.1.1.2 – Project 25 Phase 1 Common Air Interface Trunked Subscriber Unit Performance, DTR-P25CAP002-34333

P25-CAB-TEST\_REQ – April 2008, Section 2.1.3.2 – Project 25 Phase 1 Common Air Interface Trunked Subscriber Unit Interoperability, DTR-P25CAP001-55123

Figure 5 provides an example where all standards options were not installed for the complying product.

Figure 5 Declaration of CAB Test Cases Passed - Standard Options Not All Installed

LMR Equipment Corporation hereby declares that the above referenced product(s) pass the test cases listed in the following Project 25 Compliance Assessment Bulletin sections in their entirety with exclusions as noted:

P25-CAB-TEST\_REQ – April 2008, Section 2.1.3.2 – Project 25 Phase 1 Common Air Interface Trunked Subscriber Unit Interoperability, DTR-P25CAP001-55123. Passed with the exception of test case 2.2.7.4.1 and 2.2.8.4.1, which are standard options not installed in the complying product.

## 2.7 Summary Test Report

The summary test report from the P25 CAP recognized laboratory(s) that tested the product identified in the SDOC, follows the “declaration of compliance”. The code of the P25 CAP recognized laboratory(s) precedes the summary test report. The summary test report is identified by a document identification code<sup>2</sup>, and the date (MMM DD, YYYY) the report was issued.

Figure 6 Summary Test Report Identification

The summary test report performed at Project 25 CAP Recognized Laboratory Code(s) P25CAP001 and P25CAP002 is identified as follows:

**Summary Test Report Identification:** STR-LMR-123456 issued on May 29, 2009

<sup>2</sup> The format for the Summary Test Report document code is STR-<Manufacturer unique identifier>-<Manufacturer STR document #>



## 2.8 Date, Signature, Page Count

The end of the SDOC document lists the issue date and the supplier’s authorized representative signature and printed name. Each page of the SDOC document includes the current page number and the total number of pages (Page # of #).

Figure 7 Issue Date, Signature, Page Count

|                         |  |
|-------------------------|--|
| June 8, 2009            |  |
| <hr/> <i>Issue date</i> | <hr/> <i>Supplier’s Authorized Representative Signature</i>    |
|                         | <hr/> <i>Supplier’s Authorized Representative Printed Name</i> |
|                         | Page 1 of 1  |

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## Annex A – Supplier’s Declaration of Compliance Example



### **Project 25 Compliance Assessment Program**

## SUPPLIER’S DECLARATION OF COMPLIANCE (SDoC)

**LMR Equipment Corporation**

Quality Assurance Department

1 Sound Way, Radio City, NY 12345-6789

Customer Contact: Testem Daley

Phone: 111-222-3333 Fax: 111-222-3334

<http://www.lmrequipcorp.com>

tdaley@lmrequipcorp.com

**Product Name:** Wokytoky

**Installed Options:** Hardware options A001, B017, Z999; Firmware version 2.8a

LMR Equipment Corporation hereby declares that the above referenced product(s) pass the test cases listed in the following Project 25 Compliance Assessment Bulletin sections in their entirety without exclusions:

P25-CAB-TEST\_REQ – April 2008, Section 2.1.3.2 – Project 25 Phase 1 Common Air Interface Trunked Subscriber Unit Interoperability, DTR-P25CAP002-55123.

The summary test report performed at Project 25 CAP Recognized Laboratory Code(s) P25CAP002 is identified as follows:

**Summary Test Report Identification:** STR-LMR-123456 issued on May 29, 2009

June 8, 2009

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*Issue date*

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*Supplier’s Authorized Representative Signature*

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*Supplier’s Authorized Representative Printed Name*

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