Office for Interoperability and Compatibility

Project 25 Compliance Assessment Bulletin

Project 25

Compliance Assessment Program

Supplier's Declaration of Compliance Requirements

P25-CAB-SDOC_REQ

February 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 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 Governing Board meeting.
Draft	December 15, 2008	Draft released for review. Supplier's Declaration of Compliance (SDOC) document ID added into the text of SDOC for document tracking and consistency. Also, updated the Compliance Assessment Bulletin references and variable text recognition.
Draft	February 24, 2009	Draft released for review. Interoperability matrices added to SDOC template.

Contents

Figures

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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 declarations of compliance based on testing from laboratories recognized by the Department of Homeland Security (DHS). 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 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

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

1.2   Conventions

Throughout this CAB and its annex, *underlined and italicized text* is representative of variable content.

1.3   Normative References

None

1.4   Informative References

[1]   NIST Handbook 153: Laboratory Recognition Process for Project 25 Compliance Assessment), Current Version

[2]   Charter for the Project 25 Compliance Assessment Program, Current Version

[3]   TSB-102.CBAB, Project 25 Compliance Assessment Program - Supplier's Declaration of Compliance (SDOC) Template

[4]   P25 Compliance Assessment Bulletins

2   Supplier's Declaration of Compliance Requirements

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

2.1   SDOC File Format

All SDOCs submitted to DHS for review and posting will use Adobe Acrobat's Portable Document Format (.pdf). Additionally, SDOCs submitted must be compliant with all posted RKB[1] requirements, such as Section 508[2] compliance.

2.2   SDOC Naming Convention

In order to provide for easy document management and traceability, all SDOCs 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; it must be unique so as not to be confused with another manufacturer's SDOCs. Additionally, the Manufacturer Document # is a number that is chosen by the manufacturer issuing the SDOC. This number is unique to other SDOCs issued by that same manufacturer. Here is an example:

SDOC-*LMR*-*123456*

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[1] http://www.rkb.us
[2] http://www.section508.gov/

2.3   Letterhead and Title

The SDOC document begins with the P25 CAP letterhead, title, and SDOC document identification, as illustrated in figure 1.

Figure 1. P25 CAP Letterhead and Title

Project 25 Compliance Assessment Program

SUPPLIER'S DECLARATION OF COMPLIANCE (SDOC)

SDOC-*LMR*-*123456*

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. This information includes the company's name, address, department, and Web address as well as the name, phone number, fax number, and e-mail address of the customer contact. Figure 2 demonstrates how to present this information:
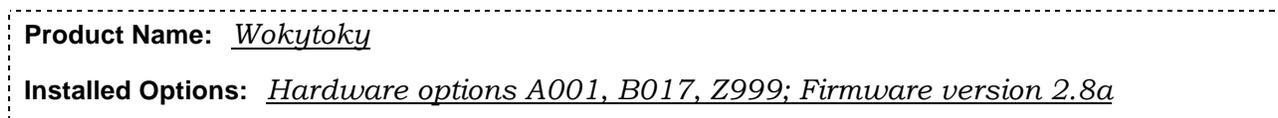
Figure 2. Company Information

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

2.5   Product Information

As illustrated in figure 3, 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. This information includes the name of the product tested, and a description of the package (when applicable), such as a version or release, for the product and its installed options. The description of installed options 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   Other Devices Tested

In the event that the tests performed on the product(s) given in Figure 3 are interoperability tests, the other devices that the product under test was tested against will be listed following the product

information. A unique identification of the other device(s) tested shall be provided (e.g. serial number and/or MAC address). Figure 4 gives an example of how the other devices tested will be displayed. In the title of the matrix, the product under test will be listed.

Figure 4. Other Devices Tested

Other Devices Tested with *LMR Equipment Corporation Wokytoky*			
Manufacturer	**Product Name, Definition, and Unique ID**	**Installed Options**	
AirTalky	*Talkover Portable* *MAC Address AFE0014*	*1.5 ACMv1, ERCv3*	
Speak Systems	*SS5100 Portable* *SN 0011234*	*N/A*	
ClearWaiver	*CW-5400 Portable* *SN 9A5400*	*Hardware:* *Software:*	*5400ph35* *5400ps398q*
AirVine	*AV100 Portable* *SN AV100000122*	*Hardware:* *Software:*	*100AVPH007a5y* *100AVPS028ca1g*

2.7 Declaration of Compliance

A declaration statement will follow the product information (or optional other devices tested) in the SDOC document. In the event that other devices are tested in addition to the product under test, the product name will be used in place of a simple reference to the products listed. This will reduce confusion as to which products the SDOC is referring to. An example of a simple reference is provided in Figure 5, where an example of a specific product tested is given in Figure 6. The supplier will declare that the product passes all of the P25 test cases specified in the associated 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[3].

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[3] Note that inclusion of the DTR document code provides for document traceability between SDOCs, Summary Test Reports, and DTRs. The format for the DTR document code is DTR-*<P25 CAP Laboratory Code>*-*<P25 CAP Laboratory Document ID>*.

Figure 5 provides an example for the complying product.

Figure 5. Declaration of CAB Test Cases Passed - Standard Options All Installed

> *AirTalky* hereby declares that *Talkover Portable* product(s) pass the test cases listed in the following Project 25 Compliance Assessment Bulletin sections in their entirety without exclusions:
>
> *P25-CAB-CAI_TEST_REQ – February 2009, Section 2.1.1.2 – Project 25 Phase 1 Common Air Interface Trunked Subscriber Unit Performance, DTR-P25CAP002-34333*
>
> *P25-CAB-CAI_TEST_REQ – February 2009, Section 2.1.2.3 – Project 25 Phase 1 Common Air Interface Trunked Subscriber Unit Basic Conformance, DTR-P25CAP001-55123*

Figure 6 provides an example in which all standards options were not installed for the complying product.

Figure 6. Declaration of CAB Test Cases Passed - Standard Options Not All Installed

> *ClearWaiver* hereby declares that *CW-5400 Portable* product(s) pass(es) the test cases listed in the following Project 25 Compliance Assessment Bulletin sections in their entirety with exclusions as noted:
>
> *P25-CAB-CAI_TEST_REQ – February 2009, 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.

2.8 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, as seen in figure 7. The summary test report is identified by a document identification code[4] and the date (MMM DD, YYYY) the report was issued.

Figure 7. Summary Test Report Identification

> The summary test report performed at Project 25 Compliance Assessment Program Recognized Laboratory Code(s) *P25CAP001 and P25CAP002* is identified as follows:
>
> **Summary Test Report Identification:** STR-*LMR*-*123456* issued on *May 29, 2009*.

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[4] The format for the summary test report document code is STR-*<Manufacturer unique identifier>*-*<Manufacturer STR document #>*.

2.9   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 8 serves as an example of this section:

Figure 8. Issue Date, Signature, Page Count

June 8, 2009
_____   _____
               Issue Date   **Supplier's Authorized Representative Signature**

                                                    _____
                                                    Supplier's Authorized Representative Printed Name

                                                                                            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)

SDOC-*LMR*-*123456*

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: *Skynet Trunked Radio System*

Installed Options: *LMR Equipment Corp. Version 4.3*

Other Devices Tested with *LMR Equipment Corp Skynet Trunked Radio System***:**

Manufacturer	Product Name, Definition, and Unique ID	Installed Options	
LMR Equipment Corp.	*Wokytoky 25 Portable*	*Hardware:* *Software:*	*Wt25pH0002011b* *Wt25pS0003045a*
AirTalky	*Talkover Portable* *MAC Address AFE0014*	*1.5 ACMv1, ERCv3*	
Speak Systems	*SS5100 Portable* *SN 0011234*	*N/A*	
ClearWaiver	*CW-5400 Portable* *SN 9A5400*	*Hardware:* *Software:*	*5400ph35* *5400ps398g*
AirVine	*AV100 Portable* *SN AV100000122*	*Hardware:* *Software:*	*100AVPH007a5y* *100AVPS028ca1g*

LMR Equipment Corporation hereby declares that the *Skynet Trunked Radio System* product passes the test cases listed in the following Project 25 Compliance Assessment Bulletin sections in their entirety without exclusions:

P25-CAB-CAI_TEST_REQ – February 2009, Section 2.2.3.2 – Project 25 Phase 1 Common Air Interface Trunked Base Stations/Repeaters Interoperability, DTR-P25CAP002-55123.

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

Page 1 of 2

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

June 8, 2009
_____
Issue Date

_____
Supplier's Authorized Representative Signature

_____
Supplier's Authorized Representative Printed Name

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