



**Homeland  
Security**

Science and Technology

Office for Interoperability and Compatibility

## **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 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.

## Revision History

Version	Date	Description
Draft	6/20/2014	Revised dates and made minor editorial changes. Changed Responders Knowledgebase links to First Responder Group links. Added Annex A.
Draft (For PC)	3/3/2015	Final release version for public comment (PC) approved on March 3, 2015. Posted for PC on March 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. Users should seek to address such problems with the supplier first, then with TIA TR8.25, and then 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) defines uniform format requirements for use in preparation of SDOC documents. STR and SDOC documents are submitted to [P25CAP@hq.dhs.gov](mailto:P25CAP@hq.dhs.gov) for DHS OIC review and posting.

### 1.2 Effective Date

This CAB becomes effective on August 17, 2016.

### 1.3 Normative References

- [1] P25-CAB-SDOC\_TMPLT – P25 CAP Summary Test Report template<sup>1</sup>
- [2] P25-CAB-STR\_REQ, *Project 25 Compliance Assessment Program Summary Test Report Requirements*

### 1.4 Informative References

- [3] P25-CAB\_CHARTER, *Charter for the Project 25 Compliance Assessment Program*<sup>1</sup>
- [4] P25-CAB-LAB\_BASE\_REQ, *Project 25 Compliance Assessment Program Baseline Laboratory Requirements*<sup>1</sup>
- [5] P25-CAB-LAB\_EQP\_REQ, *Project 25 Compliance Assessment Program Laboratory Equipment Requirements*<sup>1</sup>
- [6] P25-CAB-Test\_REQ, *Project 25 Compliance Assessment Program Testing Requirements*<sup>1</sup>

## 2 Supplier’s Declaration of Compliance Requirements

This portion of the CAB describes each major element or section of the Supplier’s Declaration of Compliance (SDOC) document in a separate subsection.

### 2.1 SDOC File Format

All SDOC documents submitted to DHS for review and posting will use the Adobe Acrobat Portable Document Format (.pdf). In addition, all SDOC documents submitted must be Section 508<sup>2</sup> compliant. A document template [1] is available that supports Section 508 compliance for SDOC document creation.

### 2.2 SDOC Naming Convention

To provide easy document management and traceability, SDOC documents will use a common naming convention as follows:

SDOC–SUPPLIER\_NAME\_ABBREVIATION–PRODUCT\_NAME\_ABBREVIATION–MMDDYYYY

The supplier issuing the SDOC document specifies the document’s unique identifier. The identifier must be unique to avoid confusion with another supplier’s SDOC documents. An SDOC and STR document that form a pair for a product shall share the same document number except for the prefix portion, where an SDOC document number begins with SDOC- and an STR document number begins with STR-. An SDOC or STR number is unique to other SDOC or STR documents issued by the same supplier. Following is an SDOC and STR document number example for a product:

SDOC-WOKYTOKY-ABC2000M78-11302016  
STR-WOKTOKY-ABC2000M78-11302016

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<sup>1</sup> See <https://www.dhs.gov/science-and-technology/p25-cap> for the latest document version.

<sup>2</sup> <http://www.section508.gov>

## 2.3 Letterhead, Title, Product and SDOC Document Number

Each page of the SDOC document carries a header that includes the Project 25 CAP letterhead, followed by the SDOC title, product name and document identification, as Figure 1 illustrates.

**Figure 1. First-Page Letterhead and SDOC Identification**

***Project 25 Compliance Assessment Program***  
SUPPLIER'S DECLARATION OF COMPLIANCE (SDOC)  
WOKYTOKY ABC2000M78 700/800 MHZ MOBILE SUBSCRIBER  
SDOC-WOKYTOKY-ABC2000M78-11302016

– End Figure 1 –

## 2.4 Company Information

Company information for the supplier of the land mobile radio (LMR) product appears at the top of the first page of document. This information includes the company's name, department, address and web address; and the customer contact's name, phone number, fax number and email address.

**Figure 2. Company Information**

**Wokytoky LMR Equipment**  
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.wokytokylmrequip.com>  
[tdaley@lmrequip.com](mailto:tdaley@lmrequip.com)

– End Figure 2 –

## 2.5 Page Count

Each page of the SDOC carries a footer that includes the current page number and total number of pages (Page # of #) centered.

**Figure 3. Page Count**

**November 30, 2016**  
Page 1 of 4

– End Figure 3 –

## 2.6 Product Information

A description of the product tested in the P25 CAP appears at the top of the document, just below the company address and contact information. As Figure 4 illustrates, this information includes the name of

the product tested, a description of the package (when applicable) such as a version or release for the product and its installed options, and the vocoder type if a vocoder is included in the product. The description of the installed options provides a single unique identifier to reflect the tested product’s software, hardware and firmware configuration. The vocoder identification will be one of the following: IMBE,<sup>3</sup> AMBE,<sup>4</sup> AMBE+,<sup>5</sup> AMBE+2<sup>6</sup> or Not Applicable.

Figure 4 shows a table that identifies product information. Note in the Product table that the product name and installed option identifiers must match those identifiers used in the accompanying STR.

**Figure 4. Product Information**

**PRODUCT**

<b>Product Info</b>	<b>Detail</b>
<b>Product Name, Definition, Unique ID:</b>	Wokytoky ABC2000M78 700/800 MHz Mobile Subscriber SN C87TJD8NX2-O (See table, Model Class: Wokytoky ABC Subscriber for a listing of compliance equivalent model-family products.) <sup>7</sup>
<b>Installed Hardware Options:</b>	Trunking, Encryption
<b>Installed Software Options:</b>	Trunking, Encryption
<b>Installed Vocoder:</b>	AMBE+2

– End Figure 4 –

**2.7 Model Class Definitions**

It is customary for equipment suppliers to issue SDoCs for representative equipment which is the test article for a model class. This means equipment that the supplier has determined, through engineering analysis or internal functional testing, to be functionally equivalent to a particular, actual test article. For instance, a product with multiple software level revisions, such as 6.4.1, 6.4.2, and 6.4.3, may be determined to be functionally equivalent for all of these variations. The equipment supplier may publish an SDoC and summary test report for each revision based on testing the representative equipment. In this instance, the product variations are representative equipment which constitutes a “model class.” Based on the example, the model class would then be identified in the SDoC as all product variants containing software levels 6.4.x. Representative equipment in a model class shall produce test results equivalent to the actual test article.

<sup>3</sup> Improved Multi-Band Excitation (IMBE) — Baseline.

<sup>4</sup> Advanced Multiband Excitation (AMBE) — Baseline with System Improvements.

<sup>5</sup> AMBE+ — Enhanced Full Rate.

<sup>6</sup> AMBE+2 — Enhanced Full Rate with System Improvements.

<sup>7</sup> If necessary, follow the product name with a reference to a Model Class table.



To substantiate the validity of representative equipment in a model class, equipment suppliers shall keep documented evidence of engineering changes to their products, including:

- a) Detailed descriptions of changes to the item’s hardware, software, or firmware
- b) Version number for each modification
- c) Implementation date of each change
- d) Analysis of the impact of the change or the results of development engineering-level testing for each of the test requirements stipulated in the applicable P25 CAP CAB’s. This should include an explanation of why the subject modification should not affect the outcome of each test.

The analysis shall receive an overall grade according to the following schedule:

Grade I—Obvious that retesting is not required; product changes are cosmetic in nature or only affect functionality which is not standardized P25 functionality.

Grade II—Uncertain whether retesting is required; warrants a more thorough engineering analysis. For instance, changes in equipment supplier proprietary functionality, bug fixes, feature additions, etc.

Grade III—Obvious that retesting is required; substantial changes to the product’s hardware or firmware have occurred.

A published SDoC shall only apply to the model class tested. Other configurations or product variants that do not constitute representative equipment shall not be included in the SDoC. Product variants include changes in a product’s hardware, firmware, or software that relate to P25 functionality.

Note: Changes in interchangeable accessory items such as, but not limited to, batteries, programming and data cables, speakers, microphones, or antennas—which are required to make the equipment function, but are not an integral part of the functionality described within the SDoC— shall not constitute a product variant, unless those items are an integral part of product testing. For instance, radio performance testing may be conducted using a battery eliminator, so batteries would not represent a product variant. However, a test procedure that stipulated the use of an actual battery—perhaps to evaluate its performance under various environmental conditions—would make any battery other than the one tested a product variant.

Equipment suppliers are solely responsible for identifying product variants, and for determining whether a modified product requires re-testing. Nonconforming products may trigger a monitoring visit to the test laboratory and may result in revocation in laboratory recognition and/or revocation of specific manufacturer’s SDoCs. If laboratory recognition is revoked, all SDoCs traceable to that laboratory recognition may be scrutinized and may be removed by DHS OIC from the DHS P25 CAP website.

### **2.7.1 Device Under Test**

When a supplier chooses to identify model classes and subclasses, if applicable, to which the supplier’s device under test belongs, a “Model Class Definitions – Device Under Test” heading will precede a table identifying the model class to which the device under test belongs (see Figure 5).

**Figure 5. Device under Test Model Class**

**MODEL CLASS DEFINITIONS – DEVICE UNDER TEST**

**Model Class: Wokytoky ABC Subscriber**

Model Class	Sub-Class	Installed Options
ABC Subscriber	ABC2000M Mobile	See Sub-Class for ABC2000M
ABC Subscriber	ABC2500P Portable	See Sub-Class for ABC2500P

**Model Sub-Class: Wokytoky ABC2000MB, ABC2000MU, ABC2000MV, ABC2000M78 Mobile Subscriber**

Product Name, Definition, Firmware	Installed Options
ABC2000MB Multiband Mobile Firmware: R1 through R4	Trunking, Encryption
ABC2000MU UHF Mobile Firmware: R1 through R4	Trunking, Encryption
ABC2000MV VHF Mobile Firmware: R1 through R4	Trunking, Encryption
ABC2000M78 700/800 MHz Mobile Firmware: R1 through R4	Trunking, Encryption

**Model Sub-Class: Wokytoky ABC2500PMB, ABC2500PU, ABC2500PV, ABC2500P78 Portable Subscriber**

Product Name, Definition, Firmware	Installed Options
ABC2500PMB Multiband Portable Firmware: R1 through R4	Trunking, Encryption
ABC2500PU UHF Portable Firmware: R1 through R4	Trunking, Encryption
ABC2500PV VHF Portable Firmware: R1 through R4	Trunking, Encryption
ABC2500P78 700/800 MHz Portable Firmware: R1 through R4	Trunking, Encryption

– End Figure 5 –

**2.7.2 Other Devices Tested for Interoperability**

Interoperability shall be demonstrated between the device under test and devices from three different suppliers. A supplier can optionally identify model classes and subclasses of one or more of the other devices, if that information is known.

A supplier can include another of its own devices for interoperability against its device under test and, optionally, can identify model classes and subclasses, if applicable, to which the supplier’s device belongs.

It is the reporting supplier’s responsibility to describe in the STR document what a given model class and subclass (if used) designation means. The supplier must identify the distinguishing features that constitute a given model class and subclass. List tables of model classes and subclasses following the last set of tests reported.

When a supplier chooses to identify model classes and subclasses, if applicable, for other devices tested for interoperability, a “Model Class Definitions – Other Devices Tested for Interoperability” heading will precede any model class tables necessary for that supplier’s other devices tested for interoperability. Following this heading, the device under test will be identified in a sentence above the model class table. Figure 6 provides an example of how the other devices(s) tested will be displayed.

**Figure 6. Other Devices Tested Model Class**

**MODEL CLASS DEFINITIONS – OTHER DEVICES TESTED FOR INTEROPERABILITY**

Other devices tested with Wokytoky ABC2000M78 700/800 MHz Mobile Subscriber.

**Model Class: Wokytoky DEF Subscriber**

Model Class	Sub-Class	Installed Options
DEF Subscriber	DEF3000M Mobile	See Sub-Class for DEF3000M
DEF Subscriber	DEF3500P Portable	See Sub-Class for DEF3500P

**Model Sub-Class: Wokytoky DEF3000MMB, DEF3000MU, DEF3000MV, DEF3000M78 Mobile Subscriber**

Product Name, Definition, Firmware	Installed Options
DEF3000MMB Multiband Mobile Firmware: R1 through R4	Trunking, Encryption
DEF3000MU UHF Mobile Firmware: R1 through R4	Trunking, Encryption
DEF3000MV VHF Mobile Firmware: R1 through R4	Trunking, Encryption
DEF3000M78 700/800 MHz Mobile Firmware: R1 through R4	Trunking, Encryption

**Model Sub-Class: Wokytoky DEF3500PMB, DEF3500PU, DEF3500PV, DEF3500P78 Portable Subscriber**

Product Name, Definition, Firmware	Installed Options
DEF3500PMB Multiband Mobile Firmware: R1 through R4	Trunking, Encryption
DEF3500PU UHF Mobile Firmware: R1 through R4	Trunking, Encryption
DEF3500PV VHF Mobile Firmware: R1 through R4	Trunking, Encryption

Product Name, Definition, Firmware	Installed Options
DEF3500P78 700/800 MHz Mobile Firmware: R1 through R4	Trunking, Encryption

**Model Sub-Class: Wokytoky DEF3500PMB Multiband 700/800 MHz, UHF, VHF Portable Subscriber**

Product Name, Definition, Firmware	Installed Options
DEF3500PMB Multiband Portable Firmware: R1 through R4	Trunking, Encryption

**Model Class: Wokytoky SkyNet Base Station**

Product Name	Installed Options
Wokytoky SkyNet Trunked Base Station	Release 5.10
Wokytoky SkyNet Trunked Base Station	Release 5.11
Wokytoky SkyNet Trunked Base Station	Release 5.12

– End Figure 6 –

## 2.8 Other Devices Tested for Interoperability

In the event that the tests performed on product(s) given in Figure 4 are interoperability tests, the other devices that the product under test was tested against will be listed following the list of references. For each device listed, the manufacturer and contact, product name, definition,<sup>8</sup> and unique identification (e.g., serial number (SN)) and installed options will be given. Figure 7 provides an example of how the other device(s) tested will be displayed. Following the “Other Devices Tested for Interoperability” heading, the product under test will be identified in a sentence above the matrix.

### Figure 7. Other Devices Tested

**OTHER DEVICES TESTED FOR INTEROPERABILITY**

Other devices tested with Wokytoky ABC2000M78 Multiband Mobile Subscriber.

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<sup>8</sup> In this context, the definition of a product will indicate whether or not it is portable, mobile, base station, repeater, RF Sub-System (RFSS), etc.

Supplier and Contact	Product Name, Definition, <sup>9</sup> Unique ID	Installed Hardware Options	Installed Software Options
Wokytoky LMR Equipment Ted Zed (xxx) xxx-xxxx	SkyNet SN2000T Trunk System SN 100577008 (See table, Model Class: Wokytoky SkyNet Trunk System for a listing of compliance equivalent model-family products.)	Option A15 Option 2B	Release 5.10 Release 5.11 Release 5.12
AirTalky John Doe (xxx) xxx-xxxx	AT1000T Trunk System SN AFE0014	1.5 ACMv1	ERCv3
Speak Systems Jane Smith (xxx) xxx-xxxx	SS4T Trunk System SN 0011234	N/A	N/A
Wokytoky LMR Equipment Ted Zed (xxx) xxx-xxxx	SkyNet SN100R Repeater SN 100578008	N/A	R04.9
AirTalky John Doe (xxx) xxx-xxxx	AT100R Repeater SN AFE0347	N/A	ERDv7.3
Speak Systems Jane Smith (xxx) xxx-xxxx	SS4R Repeater SN 0021758	N/A	N/A
AirTalky John Doe (xxx) xxx-xxxx	AT10C Console SN AFE0449	N/A	EREv9.5
Wokytoky LMR Equipment Ted Zed (xxx) xxx-xxxx	DEF3500P78 700/800 MHz Portable SN 100576908 (See table, Model Class: Wokytoky DEF Subscriber for a listing of compliance equivalent model-family products.)	Trunking, Encryption	Firmware: R1 thru R4

<sup>9</sup> If necessary, identify the Model Class table to reference for Installed Options.

Supplier and Contact	Product Name, Definition, <sup>9</sup> Unique ID	Installed Hardware Options	Installed Software Options
ClearWaivier Fred Jones (xxx) xxx-xxxx	CWX7300P 700/800 MHz Portable SN 018362985	7300CWXPd98jd	7300CWXPx2tt
AirVine Karen Wu (xxx) xxx-xxxx	AV100P 700/800 MHz Portable SN AV100000122	100AVPH007a5y	100AVPS028ca1g
TalkAbout Cab Calloday (xxx) xxx-xxxx	TA9000M 700/800 MHz Mobile SN TA300037894	9000TAFJH333	9000TAFJS333
Frank Systems Lesslee Ismore (xxx) xxx-xxxx	FS2000P 700/800 MHz Portable SN FS100008837	2000FS0089fu	2000FSPS085ig7

– End Figure 7 –

## 2.9 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 document is referring. Figure 8 provides an example of a simple reference. Figure 9 and Figure 10 provide examples of specific products tested. The supplier will declare that the product passes all of the P25 test cases specified in the associated CAB, either whole or by section. All exceptions and excluded tests will be noted within the referenced STR associated with the SDOC. A list of applicable CABs and relevant CAB sections will follow the declaration, followed by the Detailed Test Report (DTR) document code(s) supporting the test program.<sup>10</sup>

Figure 8 provides an example in which all test cases are installed for the complying product.

### Figure 8 Test Cases Declaration – All Test Cases Supported

#### COMPLIANCE DECLARATION

AirVine hereby declares that Wokytoky ABC2000M78 700/800 MHz Mobile Subscriber product(s) pass(es) the test cases listed in the following Project 25 Compliance Assessment Bulletin sections in their entirety **without exclusions**:

P25-CAB-CAI\_TEST\_REQ – AUGUST 2016, Section 2.1.1.1 – Project 25 Phase 1 Common Air Interface Conventional Subscriber Unit Performance, DTR-P25CAP081001-34330.

<sup>10</sup> Note that inclusion of the DTR document code(s) provide(s) for document traceability between SDOC, STR and DTR documents. The format for the DTR document code is:  
DTR-P25\_CA\_Laboratory\_Code-P25\_CAP\_Laboratory\_Document\_Identification\_#.

P25-CAB-CAI\_TEST\_REQ – AUGUST 2016, Section 2.1.1.2 – Project 25 Phase 1 Common Air Interface Trunked Subscriber Unit Performance, DTR-P25CAP081001-34330.

P25-CAB-CAI\_TEST\_REQ – AUGUST 2016, Section 2.1.3.1 – Project 25 Phase 1 Common Air Interface Conventional Direct Mode Subscriber Unit Interoperability when tested with the products identified in STR–WOKYTOKY–ABC2000M78–11302016.<sup>11</sup>

P25-CAB-CAI\_TEST\_REQ – AUGUST 2016, Section 2.1.3.2 – Project 25 Phase 1 Common Air Interface Conventional Repeat Mode Subscriber Unit Interoperability when tested with the products in STR–WOKYTOKY–ABC2000M78–11302016.<sup>11</sup> See STR sections, “CONVENTIONAL: REPEAT MODE (SU TO FNE TO SU)” and “CONVENTIONAL FNE INCLUDES DISPATCH AND OTHER MONITORING CONSOLES (REPEAT MODE (SU TO FNE TO SU) OR DIRECT MODE).”

P25-CAB-CAI\_TEST\_REQ – AUGUST 2016, Section 2.1.3.3 – Project 25 Phase 1 Common Air Interface Trunked Subscriber Unit Interoperability when tested with the products identified in STR–WOKYTOKY–ABC2000M78–11302016.<sup>11</sup>

– End Figure 8 –

Figure 9 provides an example in which not all test cases are installed for the complying product.

### Figure 9. Test Cases Declaration – Not All Test Cases Supported in Complying Product

#### COMPLIANCE DECLARATION

Wokytoky LMR Equipment hereby declares that Wokytoky ABC2000M78 700/800 MHz Mobile Subscriber product(s) pass(es) the test cases listed in the following Project 25 Compliance Assessment Bulletin sections in their entirety **with test case exclusions** as noted:

P25-CAB-CAI\_TEST\_REQ – AUGUST 2016, Section 2.1.3.3 – Project 25 Phase 1 Common Air Interface Trunked Subscriber Unit Interoperability when tested with the products identified in STR–WOKYTOKY–ABC2000M78–11302016.<sup>11</sup>

– End Figure 9 –

Figure 10 provides an example in which not all test cases are installed for Other Devices Tested.

### Figure 10. Test Cases Declaration – Not All Test Cases Supported in Other Devices Tested

#### COMPLIANCE DECLARATION

Wokytoky LMR Equipment hereby declares that Wokytoky ABC2000M78 700/800 MHz Mobile Subscriber product(s) pass(es) the test cases listed in the following Project 25 Compliance Assessment Bulletin sections **with test case exclusions in other devices tested** as noted:

P25-CAB-CAI\_TEST\_REQ – AUGUST 2016, Section 2.1.3.3 – Project 25 Phase 1 Common Air Interface Trunked Subscriber Unit Interoperability when tested with the products identified in STR–WOKYTOKY–ABC2000M78–11302016.<sup>11</sup>

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<sup>11</sup> Where the STR referenced is the companion to this SDOC.

– End Figure 10 –

## 2.10 Summary Test Report

The Summary Test Report (STR), which is generated by the supplier based on the Detailed Test Report (DTR) from the DHS-recognized laboratory(s) that performed the product testing, is identified in the SDOC document following the “Compliance Declaration.” The code of the DHS-recognized laboratory(s) precedes the STR as Figure 11 illustrates. The STR is identified by a document identification code<sup>12</sup> and the date (MMM DD, YYYY) the report was issued.

### Figure 11. Summary Test Report Identification

#### SUMMARY TEST REPORT IDENTIFICATION

The summary test report performed at DHS-Recognized Laboratory(s) P25CAP081001, P25CAP081002 and P25CAP081003 is identified as follows:

STR–WOKYTOKY–ABC2000M78-11302016 issued on NOVEMBER 30, 2016

– End Figure 11 –

## 2.11 Date and Signature

The end of the SDOC document lists the issue date and the supplier’s authorized representative signature and printed name.

### Figure 12. Issue Date and Signature

#### ISSUE DATE AND SIGNATURE

<hr/> <i>Issue date</i>	<hr/> <i>Supplier’s Authorized Representative Signature</i>
<hr/> <i>Issue date</i>	<hr/> <i>Supplier’s Authorized Representative Printed Name</i>

– End Figure 12–

## 2.12 DHS Disclaimer and Paper Reduction Act Information

After the supplier’s authorized representative signature and printed name, the DHS disclaimer and White House Office of Management and Budget (OMB) Paperwork Reduction Act information for this document will be presented as Figure 13 illustrates.

<sup>12</sup> The format for the Summary Test Report document code is STR–*Supplier Unique Identifier*–*Supplier STR Document #*.



### Figure 13. Presentation of Disclaimer and Paper Reduction Act Information

#### **DISCLAIMER**

The information contained herein has been provided by the supplier of the product with permission to make the information publicly available. The U.S. Department of Homeland security (DHS) is making this information available as a public service; however, DHS IS PROVIDING THE INFORMATION "AS IS." DHS MAKES NO EXPRESS OR IMPLIED WARRANTIES AND SPECIFICALLY, DHS MAKES NO WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE REGARDING THE ACCURACY OR USE OF THIS INFORMATION. Reference to any specific commercial products, processes or services by trade name, trademark, supplier or otherwise does not constitute an endorsement by or a recommendation from DHS. Dates in the following Burden Statement have no expiration bearing on the complying product's formal declaration.

#### **BURDEN STATEMENT**

**OMB NO:** 6040-0015

**EXPIRATION DATE:** 09/30/2016

An agency may not conduct or sponsor information collection and a person is not required to respond to this information collection unless it displays a current valid Office of Management and Budget control number and expiration date. The control number for this collection is 6040-0015 and this form will expire on 06/30/2016. The estimated average time to complete this form is 60 minutes per respondent. If you have any comments regarding the burden estimate, you can write to the U.S. Department of Homeland Security, Science and Technology Directorate, Washington, DC 20528.

DHS FORM 10044 – June 2009

– End Figure 13 –

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**Project 25 Compliance Assessment Program**  
 SUPPLIER'S DECLARATION OF COMPLIANCE (SDOC)  
 WOKYTOKY ABC2000M78 700/800 MHZ MOBILE SUBSCRIBER  
 SDOC-WOKYTOKY-ABC2000M78-11302016

**Wokytoky LMR Equipment**  
 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.wokytokylmrequip.com>  
[tdaley@lmrequip.com](mailto:tdaley@lmrequip.com)

**PRODUCT**

Product Info	Detail
<b>Product Name, Definition, Unique ID:</b>	Wokytoky ABC2000M78 700/800 MHz Mobile Subscriber SN C87TJD8NX2-O (See table, Model Class: Wokytoky ABC Subscriber for a listing of compliance equivalent model-family products.) <sup>7</sup>
<b>Installed Hardware Options:</b>	Trunking, Encryption
<b>Installed Software Options:</b>	Trunking, Encryption
<b>Installed Vocoder:</b>	AMBE+2

**MODEL CLASS DEFINITIONS – DEVICE UNDER TEST**

**Model Class: Wokytoky ABC Subscriber**

Model Class	Sub-Class	Installed Options
ABC Subscriber	ABC2000M Mobile	See Sub-Class for ABC2000M
ABC Subscriber	ABC2500P Portable	See Sub-Class for ABC2500P

**Model Sub-Class: Wokytoky ABC2000MB, ABC2000MU, ABC2000MV, ABC2000M78 Mobile Subscriber**

Product Name, Definition, Firmware	Installed Options
ABC2000MB Multiband Mobile Firmware: R1 through R4	Trunking, Encryption
ABC2000MU UHF Mobile Firmware: R1 through R4	Trunking, Encryption
ABC2000MV VHF Mobile Firmware: R1 through R4	Trunking, Encryption

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[P25-CAB-SDOC\_REQ – August 2016, Annex A – SDOC Example]

## **Project 25 Compliance Assessment Program**

### **SUPPLIER'S DECLARATION OF COMPLIANCE (SDOC)**

**WOKYTOKY ABC2000M78 700/800 MHZ MOBILE SUBSCRIBER**

**SDOC–WOKYTOKY–ABC2000M78–11302016**

<b>Product Name, Definition, Firmware</b>	<b>Installed Options</b>
ABC2000M78 700/800 MHz Mobile Firmware: R1 through R4	Trunking, Encryption

#### **Model Sub-Class: Wokytoky ABC2500PMB, ABC2500PU, ABC2500PV, ABC2500P78 Portable Subscriber**

<b>Product Name, Definition, Firmware</b>	<b>Installed Options</b>
ABC2500PMB Multiband Portable Firmware: R1 through R4	Trunking, Encryption
ABC2500PU UHF Portable Firmware: R1 through R4	Trunking, Encryption
ABC2500PV VHF Portable Firmware: R1 through R4	Trunking, Encryption
ABC2500P78 700/800 MHz Portable Firmware: R1 through R4	Trunking, Encryption

#### **MODEL CLASS DEFINITIONS – OTHER DEVICES TESTED FOR INTEROPERABILITY**

Other devices tested with Wokytoky ABC2000M78 Multiband Mobile Subscriber.

#### **Model Class: Wokytoky DEF Subscriber**

<b>Model Class</b>	<b>Sub-Class</b>	<b>Installed Options</b>
DEF Subscriber	DEF3000M Mobile	See Sub-Class for DEF3000M
DEF Subscriber	DEF3500P Portable	See Sub-Class for DEF3500P

#### **Model Sub-Class: Wokytoky DEF3000MMB, DEF3000MU, DEF3000MV, DEF3000M78 Mobile Subscriber**

<b>Product Name, Definition, Firmware</b>	<b>Installed Options</b>
DEF3000MMB Multiband Mobile Firmware: R1 through R4	Trunking, Encryption
DEF3000MU UHF Mobile Firmware: R1 through R4	Trunking, Encryption
DEF3000MV VHF Mobile Firmware: R1 through R4	Trunking, Encryption
DEF3000M78 700/800 MHz Mobile Firmware: R1 through R4	Trunking, Encryption

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[P25-CAB-SDOC\_REQ – August 2016, Annex A – SDOC Example]

**Project 25 Compliance Assessment Program**

SUPPLIER'S DECLARATION OF COMPLIANCE (SDOC)

WOKYTOKY ABC2000M78 700/800 MHZ MOBILE SUBSCRIBER

SDOC-WOKYTOKY-ABC2000M78-11302016

**Model Sub-Class: Wokytoky DEF3500PMB, DEF3500PU, DEF3500PV, DEF3500P78 Portable Subscriber**

Product Name, Definition, Firmware	Installed Options
DEF3500PMB Multiband Mobile Firmware: R1 through R4	Trunking, Encryption
DEF3500PU UHF Mobile Firmware: R1 through R4	Trunking, Encryption
DEF3500PV VHF Mobile Firmware: R1 through R4	Trunking, Encryption
DEF3500P78 700/800 MHz Mobile Firmware: R1 through R4	Trunking, Encryption

**Model Sub-Class: Wokytoky DEF3500PMB Multiband 700/800 MHz, UHF, VHF Portable Subscriber**

Product Name, Definition, Firmware	Installed Options
DEF3500PMB Multiband Portable Firmware: R1 through R4	Trunking, Encryption

**Model Class: Wokytoky SkyNet Base Station**

Product Name	Installed Options
Wokytoky SkyNet Trunked Base Station	Release 5.10
Wokytoky SkyNet Trunked Base Station	Release 5.11
Wokytoky SkyNet Trunked Base Station	Release 5.12

**OTHER DEVICES TESTED FOR INTEROPERABILITY**

Other devices tested with Wokytoky ABC2000M78 Multiband Mobile Subscriber.

Supplier and Contact	Product Name, Definition, <sup>9</sup> Unique ID	Installed Hardware Options	Installed Software Options
Wokytoky LMR Equipment Ted Zed (xxx) xxx-xxxx	SkyNet SN2000T Trunk System SN 100577008 (See table, Model Class: Wokytoky SkyNet Trunk System for a listing of compliance equivalent model-family products.)	Option A16 Option 2B	Release 5.10 Release 5.11 Release 5.12

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**Project 25 Compliance Assessment Program**

SUPPLIER'S DECLARATION OF COMPLIANCE (SDOC)

WOKYTOKY ABC2000M78 700/800 MHZ MOBILE SUBSCRIBER

SDOC-WOKYTOKY-ABC2000M78-11302016

Supplier and Contact	Product Name, Definition, <sup>9</sup> Unique ID	Installed Hardware Options	Installed Software Options
AirTalky John Doe (xxx) xxx-xxxx	AT1000T Trunk System SN AFE0014	1.5 ACMv1	ERCv3
Speak Systems Jane Smith (xxx) xxx-xxxx	SS4T Trunk System SN 0011234	N/A	N/A
Wokytoky LMR Equipment Ted Zed (xxx) xxx-xxxx	SkyNet SN100R Repeater SN 100578008	N/A	R04.9
AirTalky John Doe (xxx) xxx-xxxx	AT100R Repeater SN AFE0347	N/A	ERDv7.3
Speak Systems Jane Smith (xxx) xxx-xxxx	SS4R Repeater SN 0021758	N/A	N/A
AirTalky John Doe (xxx) xxx-xxxx	AT10C Console SN AFE0449	N/A	EREv9.5
Wokytoky LMR Equipment Ted Zed (xxx) xxx-xxxx	DEF3500P78 700/800 MHz Portable SN 100576908 (See table, Model Class: Wokytoky DEF Subscriber for a listing of compliance equivalent model-family products.)	Trunking, Encryption	Firmware: R1 thru R4
ClearWaivier Fred Jones (xxx) xxx-xxxx	CWX7300P 700/800 MHz Portable SN 018362985	7300CWXPd98jd	7300CWXPx2tt
AirVine Karen Wu (xxx) xxx-xxxx	AV100P 700/800 MHz Portable SN AV100000122	100AVPH007a5y	100AVPS028ca1g
TalkAbout Cab Calloday (xxx) xxx-xxxx	TA9000M 700/800 MHz Mobile SN TA300037894	9000TAFJH333	9000TAFJS333

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[P25-CAB-SDOC\_REQ – August 2016, Annex A – SDOC Example]

## **Project 25 Compliance Assessment Program**

### **SUPPLIER'S DECLARATION OF COMPLIANCE (SDOC)**

**WOKYTOKY ABC2000M78 700/800 MHZ MOBILE SUBSCRIBER**

**SDOC–WOKYTOKY–ABC2000M78–11302016**

<b>Supplier and Contact</b>	<b>Product Name, Definition,<sup>9</sup> Unique ID</b>	<b>Installed Hardware Options</b>	<b>Installed Software Options</b>
Frank Systems Lesslee Ismore (xxx) xxx-xxxx	FS2000P 700/800 MHz Portable SN FS100008837	2000FS0089fu	2000FSPS085ig7

#### **COMPLIANCE DECLARATION**

LMR Corporation hereby declares that Wokytoky ABC2000MB Multiband Mobile Subscriber product(s) pass(es) the test cases listed in the following Project 25 Compliance Assessment Bulletin sections in their entirety **without exclusions**:

P25-CAB-CAI\_TEST\_REQ – AUGUST 2016, Section 2.1.1.1 – Project 25 Phase 1 Common Air Interface Conventional Subscriber Unit Performance, DTR-P25CAP081001-34330.

P25-CAB-CAI\_TEST\_REQ – AUGUST 2016, Section 2.1.1.2 – Project 25 Phase 1 Common Air Interface Trunked Subscriber Unit Performance, DTR-P25CAP081001-34330.

P25-CAB-CAI\_TEST\_REQ – AUGUST 2016, Section 2.1.3.1 – Project 25 Phase 1 Common Air Interface Conventional Direct Mode Subscriber Unit Interoperability when tested with the products identified in STR–WOKYTOKY–ABC2000M78–11302016.

P25-CAB-CAI\_TEST\_REQ – AUGUST 2016, Section 2.1.3.2 – Project 25 Phase 1 Common Air Interface Conventional Repeat Mode Subscriber Unit Interoperability when tested with the products in STR–WOKYTOKY–ABC2000M78–11302016. See STR sections, “CONVENTIONAL: REPEAT MODE (SU TO FNE TO SU)” and “CONVENTIONAL FNE INCLUDES DISPATCH AND OTHER MONITORING CONSOLES (REPEAT MODE (SU TO FNE TO SU) OR DIRECT MODE).”

P25-CAB-CAI\_TEST\_REQ – AUGUST 2016, Section 2.1.3.3 – Project 25 Phase 1 Common Air Interface Trunked Subscriber Unit Interoperability when tested with the products identified in STR–WOKYTOKY–ABC2000M78–11302016.

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[P25-CAB-SDOC\_REQ – August 2016, Annex A – SDOC Example]

**Project 25 Compliance Assessment Program**

SUPPLIER'S DECLARATION OF COMPLIANCE (SDOC)

WOKYTOKY ABC2000M78 700/800 MHZ MOBILE SUBSCRIBER

SDOC-WOKYTOKY-ABC2000M78-11302016

**SUMMARY TEST REPORT IDENTIFICATION**

The summary test report performed at DHS-Recognized Laboratory(s) P25CAP081001, P25CAP081002 and P25CAP081003 is identified as follows:

STR-WOKYTOKY-ABC2000M78-11302016 issued on NOVEMBER 30, 2016

**ISSUE DATE AND SIGNATURE**

\_\_\_\_\_  
*Issue date*

\_\_\_\_\_  
*Supplier's Authorized Representative Signature*

\_\_\_\_\_  
*Issue date*

\_\_\_\_\_  
*Supplier's Authorized Representative Printed Name*

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