## *Project 25 Compliance Assessment Program*
## SUMMARY TEST REPORT (STR) for EF Johnson Subscribers
## STR Submitted based on 2017 CAB
CAP Approved: 5/13/2024

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|---|---|
| **Summary Test Report Identifier** | STR - EF Johnson - SUBSCRIBER |
| **STR Template Version** | Subscriber STR Template 20180425 |
| **2016 CAB** | **P25-CAB-CAI_TEST_REQ – August 2016** |
| **2016 CAB Filename** | Baseline Common Air Interface Testing Requirements<br>Baseline Inter-RF Sub-System Interface Testing Requirements |
| **2017 CAB** | **P25-CAB-CAI_TEST_REQ – July 2017** |
| **2017 CAB Filename** | Baseline Common Air Interface Testing Requirements |

| Contact Information | Details |
|---|---|
| Company Name: | EF Johnson Technologies |
| Company Website URL: | www.efjohnson.com |
| P25 CAP Contact Name: | Viet Vu |
| P25 CAP Contact Phone Number: | 972-819-0942 |
| P25 CAP Contact Email: | vvu@efji.com |

**SUMMARY TEST REPORT REVISION HISTORY**

| Revision Date | STR Content Changes |
|---|---|
| 4/18/2014 | Initial submission |
| [date resubmitted to P25 CAP] | |
| [add more rows if needed] | |

**P25 CAP TEST LABORATORY INFORMATION**

| Laboratory [1] | Details |
|---|---|
| P25 CAP Test Laboratory Name: | **EF Johnson Technologies** |
| P25 CAP Test Laboratory Code: | P25CAP081010 |

| Laboratory [2] | Details |
|---|---|
| P25 CAP Test Laboratory Name: | **TIMCO  Engineering** |
| P25 CAP Test Laboratory Code: | P25CAP081016 |

| Laboratory [3] | Details |
|---|---|
| P25 CAP Test Laboratory Name: | **Harris** |
| P25 CAP Test Laboratory Code: | P25CAP081017 |

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**Authority:** The information requested is collected under 6 U.S.C. §§194, 195,195a and 44 U.S.C. 3101

**Purpose:** The Department of Homeland Security (DHS) is requesting this information from you as a designated point of contact for a vendor/supplier participating in DHS' P25 Compliance Assessment Program (CAP). P25 CAP provides public safety agencies with evidence that equipment they purchase is tested against and compliant with standards for performance, conformance, and interoperability. The contact information provided to DHS will be used by DHS to contact the vendor/supplier. The information will also be placed on the P25 CAP website as part of an equipment vendor/supplier's profile and will be available to public safety agencies and others who view that profile.

**Disclosure:** Furnishing point-of-contact information and participating in P25 CAP is voluntary. However, failure to provide point of contact information may be the basis for denying a vendor/supplier participation in P25 CAP.

**Routine Uses:** The information will be used by and disclosed to S&T personnel for the purpose stated above. DHS follows approved routine uses described in the associated published system of records notice [DHS/ALL-002 Department of Homeland Security (DHS) Mailing and Other Lists System] and the published privacy impact assessment [DHS/ALL/PIA-006 DHS General Contact Lists], which you can find at www.dhs.gov/privacy.

**EF Johnson Interoperability Model Class: Viking Portable Subscriber Unit**

| Model Names | Subscriber Type | Tested Software Versions* | Software Version Updates** | Software Options/Frequency bands/Hardware Options |
|---|---|---|---|---|
| Viking VP600 | Portable | 8.2.5 | 8.16.3, 8.16.6, 8.18.12,  8.20.5, 8.22.16, 8.22.18 , 8.25.24 | UHF (380 to 470 MHz), VHF, 700/800<br>Full and Limited Keypad, AES/DES Encryption Module Installed |
| Viking VP900 | Portable | 8.12.10 | 8.14.18, 8.18.12,  8.20.5, 8.22.16, 8.22.18, 8.25.24 | 700/800,VHF, Full and Limited Keypad, AES/DES Encryption Module Installed |
| Viking VP5000 | Portable | 8.16.3 | 8.16.6. 8.20.5, 8.22.16, 8.22.18. 8.25.24 | 700/800,UHF,VHF, Full and Limited Keypad, AES/DES KWD-AE30 Encryption Module Installed |
| Viking VP6000 | Portable | 8.18.12 | 8.18.16, 8.20.5, 8.22.16. 8.22.18, 8.25.24 | 700/800,UHF,VHF, Full and Limited Keypad, AES/DES KWD-AE30 Encryption Module Installed |

\* Software versions used during P25 CAP testing.
\*\* Software version updates that have been determined by engineering analysis to have no impact on the test case results.

**EF Johnson Interoperability Model Class: Viking Mobile Subscriber Unit**

| Model Names | Subscriber Type | Tested Software Versions* | Software Version Updates** | Software Options/Frequency bands/Hardware Options |
|---|---|---|---|---|
| Viking VM600 | Mobile | 8.10.29 | 8.12.7, 8.14.18, 8.18.12, 8.18.16, 8.20.5, 8.22.16, 8.22.18, 8.25.24 | 700/800, AES/DES Encryption Module Installed |
| Viking VM900 | Mobile | 8.10.29 | 8.12.7, 8.14.18, 8.18.12, 8.18.16, 8.20.5, 8.22.16, 8.22.18, 8.25.24 | 700/800,VHF, AES/DES Encryption Module Installed |
| Viking VM5000/6000/7000 | Mobile | 8.42.8 | 8.18.12, 8.18.16, 8.20.5, 8.22.16, 8.22.18. 8.25.24, 8.42.8 | 700/800,UHF,VHF, AES/DES KWD-AE30 Encryption Module Installed |
| Viking VM8000 | Mobile | 8.42.8 | 8.18.12, 8.18.16, 8.20.5, 8.22.16, 8.22.18. 8.25.24, 8.42.8 | 700/800,UHF,VHF, AES/DES KWD-AE30 Encryption Module Installed |

\* Software versions used during P25 CAP testing.
\*\* Software version updates that have been determined by engineering analysis to have no impact on the test case results.

**Representative Conventional Subscriber Unit Products tested with the Subscriber Unit for Conventional Interoperability**
**- Direct Mode** [This table applies to both the 2016 or 2017 CAB]

| Subscriber Vendor | Model | Tested Software Versions* | Software Version Updates** | Model Class |
|---|---|---|---|---|
| Harris Corporation | XL-200P | XLPR02A | XLPR02A | XL-P Subscriber Unit |
| Kenwood | [Model Name] | [Tested Software Version] | [Software Version Updates] | For information on additional models and/or software versions covered by this representative model's test results, see the model class table(s) on the 'Models & Software' tab of this vendor's subscriber STR. |
| Motorola | APX 8000 | R17.02.00 | R17.02.00 | APX 8000 |
| [add more rows if needed] | | | | |

\* Software versions used during P25 CAP testing.
\*\* Software version updates that have been determined by engineering analysis to have no impact on the test case results.

**Representative Conventional Base Station Repeater Products tested with the Subscriber Unit for Conventional Interoperability**
**- Repeat Mode** [This table applies to both the 2016 or 2017 CAB]

| Base Station Repeater Vendor | Model | Tested Software Versions* | Software Version Updates** | Model Class |
|---|---|---|---|---|
| Harris Corporation | MASTR V | R02E01 | R02E01 | MASTR Series Base Station / Repeater Conventional<br>MASTR Series Base Station / Repeater Trunked |
| EF Johnson | ATLAS4500 | 2.1.3-4 | 3.2.0-3 | ATLAS |
| Motorola | GTR 8000 | CONVBR_R07.17.24_V3 | CONVBR_R07.17.24_V3 | GTR 8000 |
| [add more rows if needed] | | | | |

**Representative Conventional Base Station Repeater Products tested with the Subscriber Unit for Conventional Interoperability**
**- FNE Dispatch Monitoring Console - Repeat Mode** [This table applies to both the 2016 or 2017 CAB]

| Base Station Repeater Vendor | Model | Tested Software Versions* | Software Version Updates** | Model Class |
|---|---|---|---|---|
| Harris Corporation | VIDA Premier | SR10A.2 | SR10A.2 | VIDA Prmier SR10A.2 |
| EF Johnson | ATLAS4500 | 2.1.3-4 | 3.2.0-3 | ATLAS |
| Motorola | GTR 8000 | CONVBR_R07.17.24_V3 | CONVBR_R07.17.24_V3 | GTR 8000 |
| [add more rows if needed] | | | | |

**Representative Trunked Base Station Repeater Products tested with the Subscriber Unit for Trunked Interoperability**
**- FDMA** [This table applies to both the 2016 or 2017 CAB]

| Base Station Repeater Vendor | Model | Tested Software Versions* | Software Version Updates** | Model Class |
|---|---|---|---|---|
| Tait | TN9400 TaitNET P25 | 3.7 | 3.7 | Tait TB9100/TN9400 |
| EF Johnson | IP25 Trunking Infrastructure | 3.1-RC1 | 3.1-RC3 | For information on additional models and/or software versions covered by this representative model's test results, see the model class table(s) on the 'Models & Software' tab of this vendor's base station repeater STR. |
| Harris | Harris Infrastructure | Release PR9D | PR9B, PR9C, PR9D, SR10A, SR10A.1, SR10A.2, SR10A.3 | MASTR Series Base<br>Station/Repeater Conventional / Trunked |
| EF Johnson | ATLAS Trunked Infrastructure | TSNI 1.0.5-1 | TSNI  3.1.0-3 | For information on additional models and/or software versions covered by this representative model's test results, see the model class table(s) on the 'Models & Software' tab of this vendor's base station repeater STR. |

| Motorola Solutions | ASTRO Trunked Infrastructure | 25.7.17 | ASTRO25.1.17 | For information on additional models and/or software versions covered by this representative model's test results, see the model class table(s) on the 'Models & Software' tab of this vendor's base station repeater STR. |

**Representative Trunked Base Station Repeater Products tested with the Subscriber Unit for Trunked Interoperability**

**- TDMA** [This table applies to only the 2017 CAB]

| Base Station Repeater Vendor | Model | Tested Software Versions* | Software Version Updates** | Model Class |
|---|---|---|---|---|
| Harris | Harris Infrastructure | Release PR9D | PR9B, PR9C, PR9D, SR10A, SR10A.1, SR10A.2, SR10A.3 | MASTR Series Base Station/Repeater Conventional / Trunked |
| EF Johnson | ATLAS Trunked Infrastructure | TSNI 1.0.5-1 | TSNI 3.1.0-3 | For information on additional models and/or software versions covered by this representative model's test results, see the model class table(s) on the 'Models & Software' tab of this vendor's base station repeater STR. |
| Motorola Solutions | ASTRO Trunked Infrastructure | 25.7.17 | ASTRO25.1.17 | For information on additional models and/or software versions covered by this representative model's test results, see the model class table(s) on the 'Models & Software' tab of this vendor's base station repeater STR. |