

	<h2>MARCS IT Policy</h2> <p>Minimum Requirements for P25 Compliance on the MARCS Statewide Public Safety Communication System</p>	<p>No: MPP-31.0</p>
		<p>Effective: 11/19/13 Revised: 04/02/2014</p>
		<p>Issued By: MARCS Steering Committee Published By: OIT MARCS</p>

1.0 Purpose

The purpose of this document is to define the rules and regulations concerning the eligibility, security, distribution and utilization of APCO P-25 compliant radio devices on the MARCS/IP Statewide Public Safety Communication Network.

2.0 Scope

This policy, and the rules and regulations set forth herein, apply universally for all radio devices sold/purchased for used on the MARCS/IP Statewide Public Safety Communication System.

3.0 Background

The MARCS/IP Statewide Public Safety Communication Network is a Motorola VoIP v. 7.13, Project 25 Phase 1 compliant public safety communication system. Project 25 (P25 or APCO-25) is a suite of standards for digital radio communications for use by federal, state/province and local public safety agencies in North America, enabling radio devices from various manufacturers to communicate with each, both for operability and interoperability. In order to remain P25 complaint, MARCS outlines herein minimum requirements for radio devices to be placed on the MARCS/IP Statewide Public Safety Communication Network.

4.0 Minimum Requirements

All prospective voice and devices shall meet all of the below listed conditions:

- a.) All voice radio devices (e.g. - portable, mobile, remote control station) shall operate on the MARCS/IP P-25 digital trunked 700/800 MHz system, including seamless inter-zone roaming. The roaming requirement includes affiliation into different zones upon activation of the radio from the "off" position.
- b.) All devices shall be P-25 compatible, capable and compliant.
- c.) All devices shall operate on the 700 MHz frequency range as well as 800 MHz.
- d.) The device provider/manufacturer must guarantee, in writing, the device's successful performance on MARCS/IP, or provide a full refund to the purchaser.
- e.) The device provider/manufacturer must provide a system security protocol (i.e. – system key) **allowing MARCS and MARCS only to activate the devices on the MARCSIP Public Safety Communication Network.**
- f.) All devices shall fully comply with State of Ohio procurement policies, and should be registered and accepted on the Ohio State Term Schedule.

- g.) Vendors must provide MARCS with operational radio units from production, and demonstrate the unit's capabilities as outlined above, prior to making the units available to MARCS/IP subscribers. This provisioning shall include all necessary hardware, software and cabling to allow MARCS to program radios on an ongoing basis.

5.0 Prohibitions

To facilitate point 4.0 g above, MARCS technical staff will assist prospective vendors and/or manufacturers in seeking compliance by programming the MARCS system into production version test devices. Consequently vendor representatives may have limited access to MARCS/IP security keys.

Any unauthorized sharing or copying of MARCS Public Safety Communication System data, including system key information, other security codes, hexadecimal identifiers and/or any related documentation; publicizing of the said data; or other unauthorized use of the MARCS/IP secure footprint is **expressly prohibited**.

6.0 Enforcement of Violations

Alleged violations of these rules shall result in thorough administrative and/or criminal investigation by agents of MARCS and/or authorized criminal justice representatives.

Proven violations of these rules shall result in MARCS administrative disciplinary actions, up to and including restriction or termination of MARCS participation, and/or prosecution pursuant to ORC 2913.04, or other appropriate charges found in the Ohio Revised Code.

7.0 Effective Date

This policy has been approved by the Ohio MARCS Steering Committee on Tuesday, November 19, 2013 and is effective until further notice.

8.0 Updates

The following updates to the original 11/19/13 policy have been made:

- 11/20/2013 – "Kenwood" letter – MPO.13.136 – dated November 8, 2013, added as attachment.
- 01/14/2014 – grammar change in 3.0, emphasis added to 4.0 "e"; detail added to 4.0 "g".
- 01/15/2014 – "Motorola" letter – MPO 14.006 – dated January 14, 2014, added as attachment.
- 03/12/2014 – "Relm" letter – MPO 14.028 – dated March 10, 2014, added as attachment.
- 04/02/2014 – "EFJohnson" letter – MPO14.044 – Dated April 2, 2014, added as attachment.

Ohio Department of Administrative Services
Ohio Office of Information Technology
John Kasich, Governor
Robert Blak, Director
Stu Davis, State Chief Information Officer

MARCS Program Office
4200 Surface Road
Columbus, Ohio 43228

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Ohio **DAS**

November 8, 2013
MPO.13.136

Kenwood USA-Communications Sector
Dave Brandkamp, Eastern Region Manager
3970 Johns Creek Court
Suwanee, GA 30024

RE : MARCS Approval for Kenwood P-25 radios

Mr. Brandkamp,

Thanks for your acknowledgement and request for Kenwood P-25 radio approval in your letter to MARCS dated November 5, 2013.

You have demonstrated to MARCS the Kenwood P25 model radios listed below perform as necessary to function on our Ohio MARCS/IP System.

Kenwood TK-5410K2 Portable
Kenwood TK-5410K3 Portable
Kenwood TK-5410-ISK3 Portable
Kenwood TK-5410-ISK3 Portable
Kenwood TK-5910BK Mobile

Please ensure your continued compliance to our policy MPP-31, which is attached.

DO NOT attempt to market any other Kenwood radios for MARCS/IP until the same protocol is followed.

If you have any further questions, please feel free to call me at the number provided below.

Best Regards,



Darryl L. Anderson, MARCS Program Director
Darryl.Anderson@ohio.gov
614.466.2257

Ohio Department of Administrative Services
Ohio Office of Information Technology
John Kasich, Governor
Robert Blair, Director
Stu Davis, State Chief Information Officer

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Columbus, Ohio 43228

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January 14, 2014
MPO.14.006

Motorola Solutions-Communications Sector
Robert Rummel, Area Sales Manager-Ohio
350 Worthington Road, Ste. C
Westerville, OH 43082

RE : MARCS Approval for Motorola P-25 radios

Mr. Rummel,

Thanks for your acknowledgement and request for Motorola P-25 radio approval in your letter to MARCS dated January 13, 2014.

You have demonstrated to MARCS the Motorola P25 model radios listed below perform as necessary to function on our Ohio MARCS/IP System.

Motorola APX3000 Portable
Motorola APX4000, 4000LI Portable
Motorola APX6000, 6000XE, 6000LI Portable
Motorola APX7000, 7000XE Portable
Motorola XTS1500 Portable
Motorola XTS2500 Portable
Motorola XTS5000 Portable
Motorola APX4500, 4500LI Mobile
Motorola APX6500, 6500LI Mobile
Motorola APX7500 Mobile
Motorola XTL1500 Mobile
Motorola XTL2500 Mobile
Motorola XTL5000 Mobile

Please ensure your continued compliance to our policy MPP-31, which is attached.

DO NOT attempt to market any other Motorola radios for MARCS/IP until the same protocol is followed.

If you have any further questions, please feel free to call me at the number provided below.

Best Regards,

A handwritten signature in blue ink, appearing to read "Darryl L. Anderson".

Darryl L. Anderson, MARCS Program Director
Darryl.Anderson@ohio.gov
614.466.2257

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March 12, 2014
MPO.14.028

RELM WIRELESS
Jim Holthaus, VP – Project 25 Solutions
7100 Technology Drive
West Melbourne, FL 32904

RE : MARCS Approval for RELM P-25 radios

Mr. Holthaus,

Thanks for your acknowledgement and request for RELM WIRELESS P-25 radio approval letter to MARCS dated February 1, 2014.

You have demonstrated to MARCS that RELM P25 model radios listed below have met all requirements needed and thus are approved for use on Ohio MARCSIP System.

KNG-P800 Portable Radio
KNG-P800T2 Portable Radio
KNG-M800 Mobile Radio
KNG-B800 Control Station
TMR-800 Transportable Radio

Please ensure your continued compliance to our policy MPP-31, which is attached.
DO NOT attempt to market any other RELM radios for MARCSIP until the same protocol is followed.

With the current RELM software system key for MARCSIP, all radios added to the system **SHALL** be programmed by the MARCS programming staff. Once MARCS has possession of hardware based permission capable Advanced System Keys, arrangements can be made with RELM service shops to supplement programming and/or cloning capabilities.

If you have any further questions, please feel free to call me at the number provided below.

Best Regards,

A handwritten signature in blue ink, appearing to read "Darryl L. Anderson".

Darryl L. Anderson, MARCS Program Director
darryl.anderson@das.ohio.gov
614.466.2257

Ohio Department of Administrative Services
Ohio Office of Information Technology
John Kasich, *Governor*
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Stu Davis, *State Chief Information Officer*

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April 02, 2014
MPO.14.044

E.F. Johnson Technologies
Paul Marshall
Territory Sales Manager
1440 Corporate Drive
Irving, Texas 75038-2401

RE : MARCS Approval for EFJohnson P-25 radios

Mr. Marshall :

Thanks for your acknowledgement and request for EFJohnson P-25 radio approval letter to MARCS dated March 31, 2014.

You have demonstrated to MARCS the EFJohnson P25 model radios listed below have met all requirements needed and thus are approved for use on Ohio MARCS/IP System.

EFJohnson VP 600
EFJonhson VP 900
EFJohnson 5100
EFJohnson 51ES
EFJohnson 51SL
EFJohnson 5300
EFJohnson XPlatform

Please ensure your continued compliance to our policy MPP-31, which is attached.
DO NOT attempt to market any other EFJohnson radios for MARCS/IP until the same protocol is followed.

If you have any further questions, please feel free to call me at the number provided below.

Best Regards,

A handwritten signature in blue ink, appearing to read "Darryl L. Anderson".

Darryl L. Anderson, MARCS Program Director
darryl.anderson@das.ohio.gov
614.466.2257

March 31 2014

Mr. Darryl L. Anderson
MARCS Program Director
4200 Surface Road
Suite 321
Columbus Ohio 43228

RE; MARCS approval for EF Johnson Technologies P-25 radios

Mr. Anderson,

EF Johnson Technologies request approval to deploy our products on the MARCS statewide communications system. I acknowledge receipt of MARCS IT Policy MPP-31.0 dated March 12 2014. I have listed the EF Johnson Technology products below.

EF Johnson VP 600
EF Johnson VP900
EF Johnson 5100
EF Johnson 51ES
EF Johnson 51SL
EF Johnson 5300
EF Johnson X Platform

If you have any further questions, please feel free to call me at 312 720 2946.

Regards,



Paul Marshall
Territory Sales Manager
EF Johnson Technologies
1440 Corporate Drive
Irving TX 75038-2401

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April 02, 2014
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E.F. Johnson Technologies
Paul Marshall
Territory Sales Manager
1440 Corporate Drive
Irving, Texas 75038-2401

RE : MARCS Approval for EFJohnson P-25 radios

Mr. Marshall :

Thanks for your acknowledgement and request for EFJohnson P-25 radio approval letter to MARCS dated March 31, 2014.

You have demonstrated to MARCS the EFJohnson P25 model radios listed below have met all requirements needed and thus are approved for use on Ohio MARCS/IP System.

EFJohnson VP 600
EFJohnson VP 900
EFJohnson 5100
EFJohnson 51ES
EFJohnson 51SL
EFJohnson 5300
EFJohnson XPlatform

Please ensure your continued compliance to our policy MPP-31, which is attached.
DO NOT attempt to market any other EFJohnson radios for MARCS/IP until the same protocol is followed.

If you have any further questions, please feel free to call me at the number provided below.

Best Regards,

A handwritten signature in blue ink that reads "Darryl L. Anderson". The signature is fluid and cursive.

Darryl L. Anderson, MARCS Program Director
darryl.anderson@das.ohio.gov
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