

	MARCS IT Policy Minimum Requirements for P25 Compliance on the MARCS Statewide Public Safety Communication System	No: MPP-31.1
		Effective: 11/19/13 Revised: 12/22/2020
		Issued By: MARCS Steering Committee Published By: OIT MARCS

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 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/transferred for use on the MARCS Statewide Public Safety Communication System.

3.0 Background

The MARCS Statewide Public Safety Communication Network is a Motorola VoIP, 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 other for purposes of interoperability. In order to remain P25 compliant, MARCS herein outlines minimum requirements for radio devices to be placed on the MARCS Statewide Public Safety Communication Network.

4.0 Minimum Requirements

- 4.1 All voice radio devices (e.g. - portable, mobile, remote control station) shall operate on the MARCS 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.
- 4.2 All devices shall adhere to the current published APCO P-25 standards.
- 4.3 All devices shall operate on the 700 MHz/800 MHz frequency range.
- 4.4 All devices must support P25 Radio Authentication.
- 4.5 Discontinued Manufacturers devices will not be permitted to be new devices activated on the MARCS system. This includes discontinued devices transferred from one agency to another.

The State of Ohio is an equal opportunity employer.

- 4.6 The device provider/manufacture must provide a system security protocol (i.e. – system key) **allowing MARCS and MARCS only to activate the devices on the MARCS Public Safety Communication Network. Soft system keys are not acceptable.**
- 4.7 The device provider/manufacture must also notify MARCS personal of any software programming updates, or radio “flashes”, on a timely basis.
- 4.8 Vendors must provide MARCS with 4 operational radio units from production, and permit MARCS to demonstrate the unit’s capabilities as outlined above, prior to making the units available to MARCS subscribers. This provisioning shall include all necessary hardware, software, cabling, including standard Motorola Key-Loader cables for encryption loading, for all approved models of all approved subscribers, for each MARCS programmer to allow MARCS to program radios on an ongoing basis.

5.0 Prohibitions

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 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 the 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, October 18, 2016 and is effective until further notice.

8.0 Revision Date

DATE	Reason of Change
12/22/2020	Removing references to MARCSIP and updating content related to P25 Radio Authentication

The State of Ohio is an equal opportunity employer.