



Policy Title: MOSWIN Intersystem Connection Policy

Version: 1.1

Issued: November 2014

Revised: November 2016

Section 1: Permitted system inter-connection of the MOSWIN network

- 1.1 MOSWIN system usage permits inter-agency communications through use of interoperable MOSWIN talkgroups implemented in subscriber units. There are interoperable talkgroups implemented for each Missouri County, each Missouri Homeland Security Region and for Statewide MOSWIN use. MOSWIN system administration requires all MOSWIN users to carry a number of statewide, regional and county interoperable talkgroups in all MOSWIN subscriber units.

For further information, see MOSWIN policy at <http://dps.mo.gov/dir/programs/intercomm/sop/policies/default.asp>

- 1.2 In addition, via this police MOSWIN System Administration permits the connection of other radio systems into the MOSWIN network for interoperability (Level 2) and for achieving operable communications (Level 1) between systems, within the following guidelines:
- 1.2.1 Both MOSWIN System Administration and the administering agency of the system inter-connecting with MOSWIN agree with the parameters and technologies associated with the inter-connection of the systems being integrated.
 - 1.2.2 The equipment being inter-connected with MOSWIN is applied with best practices and settings associated with published parameters critical to proper system inter-connection of the specific devices. These best practices should include, but not be limited to, parameters such as Transmitter Hang Time, Transmitter Delay and Transmitter Time Out for the make/model of the specific equipment being inter-connected with MOSWIN.
 - 1.2.3 Prior to approval, steps will be taken to ensure that any connection to the MOSWIN network, regardless of the current purpose or intent of the connection, does not harm or reduce service provided to MOSWIN users. MOSWIN System Administration reserves the right to implement inter-connection between MOSWIN and other systems/networks on a trial basis to determine the impact of such a inter-connection before final approval.
 - 1.2.4 For MOSWIN inter-connection, if a member agency desires to connect their existing system/network via wireline or radio patching connectivity into MOSWIN, the agency will be solely responsible for any cost associated with the connection, including but not limited to any equipment maintenance, radio hardware upgrades, site and facility maintenance, console programming changes, and console hardware upgrades consistent with existing MOSWIN system software upgrades. Any equipment connecting to the MOSWIN system should be covered under an equipment warranty similar to the State of Missouri's warranty with Motorola Solutions SUAll warranty and maintenance agreement, or its equivalent.
 - 1.2.5 Temporary patching of conventional talkpath resources to a MOSWIN I/O talkgroup to support critical incident response is allowed. Once the incident has concluded the temporary patch must be immediately terminated.
- 1.3 Duties and Responsibilities of the agency(s) inter-connecting into MOSWIN network
- 1.3.1 Agencies seeking to connect to MOSWIN with radio connections and “patch” connections in the field must ensure that the connection inherently includes sufficient protections to ensure the security of the MOSWIN network.
 - 1.3.2 Agencies seeking to connect radios to MOSWIN must connect utilizing the County's respective “County All” talkgroup for the county in which the connection takes place on the MOSWIN Project 25 radio. The corresponding channel/talkgroup from the connecting device/system must be an interoperable talkgroup that parallels the



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“County All” talkgroup in its home system.

- 1.3.3 The MOSWIN radio necessary for the connection into the MOSWIN network must be supplied to MOSWIN System Administration for configuration by MOSWIN System Administration for use by the requesting agency.
- 1.3.4 The location where the connecting device/patch exists must be a location agreeable to the agency seeking connection to MOSWIN as well as MOSWIN System Administration.

Section 2: Permanent Patch Procedures and Guidelines

- 2.1 Permanent patches will be approved after the need demonstrated and articulated in a narrative submitted to MOSWIN System Administration. MOSWIN Grade of Service will be considered in the approval of a permanent Patch.
- 2.2 Permanent Patches are to remain active at all times on the talkgroup specified within the Patch Agreement. This requirement is to provide the Public Safety users with a consistent and functioning communications path between the radio systems.
- 2.3 Only one proprietary talkgroup will be programmed into a permanently patched MOSWIN interface radio to ensure the radio remains on the patched talkgroup “County All”.
- 2.4 If the MOSWIN Grade of Service falls below an acceptable level of service the use of a Permanent Patch, the requesting agency will be required to purchase additional MOSWIN infrastructure to support additional traffic load before the permanent patch is approved. If the agency is not able to do so, the patch request will be denied.
- 2.5 The patch must function in a technically and operationally consistent manner.
 - The activation time (key-up) of the patch shall be less than 2 seconds.
 - The release time between messages should be less than 4 seconds
 - The audio quality should be a close representation of the original audio as heard on a typical MOSWIN trunked radio
 - The audio shall be free of hum, clicks, or other extraneous noise
- 2.6 No radio may be used as a Patch radio without prior approval
 - 2.6.1 No console may be used to facilitate a Patch without prior approval, temporary or permanent.
- 2.7 MOSWIN System Administration Event talkgroups cannot be permanently patched.
 - 2.7.1 MOSWIN System Administration Regional and Statewide I/O talkgroups cannot be permanently patched.
- 2.8 The patch and all associated equipment shall remain fixed and be available for MOSWIN System Administration inspection.
- 2.9 The permanent Patch shall be tested and approved by MOSWIN System Administration prior to implementation.
 - 2.9.1 All approved Patches are temporary approvals and may be cancelled by MOSWIN System Administration at any time.
 - 2.9.2 Maintenance of a permanent Patch is the responsibility of the member agency.

Section 3: Permanent Patch Request Process

- 3.1 Member agency submits written request to MOSWIN System Administration Director. The request will



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address all components of this policy.

- 3.2 MOSWIN System Administration will review the request and schedule a meeting with all parties that may be impacted by the proposed patch. The purpose of this meeting is to validate and define an interoperability plan.
- 3.3 With all parties agreeing on an interoperability plan, the requesting member agency will install the Patching radio to deploy and test the patch.
 - Requesting member agency is responsible for all costs of acquiring and installing the patching radio.
 - Requesting member agency will schedule training with MOSWIN System Administration for all personnel that may be impacted by the Permanent Patch.
- 3.4 MOSWIN System Administration will observe a Patch functional test.
- 3.5 MOSWIN System Administration will consider the following prior to issuing approval for a permanent Patch:
 - All components of the policy
 - Interoperability plan
 - Functional test
- 3.5 MOSWIN System Administration and requesting Member Agency will sign this document to serve as memorandum of agreement.

Section 4: Term and Cancellation

- 4.1 Term of Agreement - This Agreement shall be in effect as of the latest date on which all parties have signed the Agreement, and will continue in force until terminated by either party.
- 4.2 Termination - Any party may terminate this Agreement upon giving thirty (30) days prior written notice of termination to the other party.

Section 5: Merger and Modification

- 5.1 Entire Agreement - The parties understand and agree that the entire agreement between the parties is contained herein and that this Agreement supersedes all oral agreements and negotiations between the parties relating to the subject matter contained herein. All items referred to in this Agreement are incorporated or attached and are deemed to be part of this Agreement.
- 5.2 Amendments to Agreement - Any alternation, variations, modifications or waivers of provisions of this Agreement shall only be valid when they have been transcribed in writing as an amendment to this Agreement signed by the parties hereto.

Section 6: Miscellaneous Provisions

- 6.1 Liability - Each party will be solely liable for its own acts and omissions, and the results thereof, to the extent authorized by law.
- 6.2 Applicable Laws - This Agreement is governed by and construed according to the laws of the State of Missouri. The Member Agency is subject to the same Federal laws that govern the Department's operation of a digital Project 25 trunked radio network licensed by the Federal Communication Commission (FCC) which includes, but is not limited to the Communications Act (47 U.S.C. 151) and all applicable FCC Rules and Regulations.



MISSOURI DEPARTMENT OF PUBLIC SAFETY
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6.3 Authorized Signatories - This Agreement shall become binding and effective only after it has been approved by the authorizing official for the Department and the governing body or authorized official for the Member Agency, as evidenced by the signature of the appropriate authority.

6.4 This agreement does not supersede any written agreements entered into between local or zone users to the extent those agreements do not conflict with MOSWIN operations, policies, and requirements.

DEPARTMENT OF PUBLIC SAFETY

ADDRESS: 2413 East McCarty Street
Jefferson City, MO 65101

SIGNATURE: _____

PRINTED NAME: Bryan A. Courtney

TITLE: Director, MOSWIN

DATE: _____

MEMBER AGENCY

ADDRESS:

SIGNATURE: _____

PRINTED NAME:

TITLE:

DATE: _____