

**Mississippi Wireless Communication Commission**  
**MSWIN**  
**Governance Policies and Procedures**

Subject: Encryption	Number:
Adopted Date:	Effective Date:

**1.0 Purpose:**

The purpose of this policy is to establish guidelines for encryption of PTT devices and talk groups.

**2.0 Background:**

2.1 The Mississippi Wireless Communication Commission (WCC) is implementing a statewide survivable, reliable, interoperable wireless communication system known as the Mississippi Wireless Information Network (MSWIN).

2.2 The MSWIN is equipped with over-the-air rekeying (OTAR) capabilities allowing authorized encrypted PTT devices (subscriber units) to be rekeyed over the air without physically touching the device. Encryption keys must initially be loaded locally with 'Key Loader'.

2.3 Vendors may offer proprietary encryption software in their equipment as a no-cost option. The proprietary nature of the software will not allow the use of the over the air re-keying feature or interoperability with other vendor's devices in the encryption mode.

2.4 The use of vendor specific proprietary encryption software limits users' choices for PTT devices and other equipment to that vendor.

2.5 The WCC has adopted the AES encryption software as the preferred system encryption software and discourages the use of vender proprietary encryption software.

**3.0 Procedure:**

3.1 The user must notify the MSWIN Liaison of the user's desire to encrypt the operation of PTT devices.

3.1.1 The notification will include the number of talk groups, the type of encryption, and the device identification.

3.1.2 The user must state if encryption will be operator selected or the talk groups will be in encrypted mode full-time.

3.1.3 Non-AES encrypted devices must be programmed for operator selection only.

3.2 Special event talk groups will not be encrypted.

**Mississippi Wireless Communication Commission**  
**MSWIN**  
**Governance Policies and Procedures**

Subject: Narrow Band–TDMA Subscriber Devices	Number:
Adopted Date: April 7, 2011	Effective Date: April 7, 2011

**1.0 Purpose:**

The purpose of this policy is to establish guidelines for use of FDMA and TDMA subscriber devices on MSWIN.

**2.0 Background:**

- 2.1 The Mississippi Wireless Communication Commission (WCC) is implementing a statewide survivable, reliable, interoperable wireless communication system known as the Mississippi Wireless Information Network (MSWIN).
- 2.2 The WCC adopted the P-25 Phase 2 TDMA narrow banding technology and will retro-fit existing equipment or install TDMA equipment upon availability, anticipated to be June 2012.
- 2.3 TDMA will increase the capacity for existing tower equipment two fold with minimal expense.
- 2.4 Multiple Vendors offer P-25 Phase 2 ready subscriber equipment as well as P-25 Phase 2 capable (up-gradable) subscriber units.

**3.0 Procedure:**

- 3.1 New subscriber or other equipment purchased for operation on the MSWIN must be TDMA capable or equipped.
- 3.2 Users operating TDMA capable devices, on MSWIN, must upgrade the devices within 90 days of notification that MSWIN has initialized TDMA.
- 3.3. Users operating non-TDMA capable devices, on MSWIN, must contact the MSWIN Liaison and cooperate in the development of a migration or usage plan to minimize the capacity impact of the continued use of the non-TDMA devices on the MSWIN system.
- 3.4 Users operating non-TDMA capable devices, with MSWIN special event talk groups, for emergency or short term event interoperability, must contact the MSWIN Liaison and agree to specific use guidelines.