1. **Purpose**
   
   a. The Encryption Management guidelines set forth in this policy are intended to ensure the security, management, generation, distribution, use, storage, and destruction of Pima County Wireless Integrated Network (PCWIN) encryption key materials.

2. **Background**

   a. PCWIN communications may contain sensitive and vital information relative to public safety activities. Disclosure or modification of this information could adversely impact public safety operations and pose a threat to the safety of public safety officials and citizens. PCWIN has recognized the need for protecting sensitive radio transmissions and has equipped the PCWIN system with AES encryption capabilities and multi-key Over The Air Rekeying (OTAR).

   b. The generation of PCWIN encryption keys and distribution of those keys to subscribers in a synchronized fashion is a complex process critical for encrypted radio transmissions. There are inherent risks and vulnerabilities to public safety personnel if proper key management processes are not followed. PCWIN can significantly mitigate these risks and vulnerabilities by establishing standard key management processes.

   c. Each PCWIN encryption key is associated with a system-wide key reference, referred to as a Common Key Reference (CKR). The same encryption key is referenced by the same CKR in every secure component, and allows key management in a device independent manner. CKRs are assigned to talk groups and multi-groups.

3. **Policy Statement**

   a. The Pima County Network Managing Member (Wireless Services), under the authorization from the PCWIN Board of Directors, is responsible for the generation, distribution, storage, destruction, and maintenance of PCWIN encryption materials, and to implement established guidelines to support encryption operations.

   b. PCWIN will centrally administer the PCWIN encryption management program for all PCWIN members through the Pima County Network Managing Member Office.

4. **Applies to**

   a. All users of the 800 MHZ Digitally trunked radio system's secure capabilities
5. **Supporting Rules**
   a. None

6. **Conditions for Exemption or Waiver**
   a. None