



**Iowa Statewide Interoperable Communications System (ISICS)
Standards, Protocols, Procedures**

ISICS Standard: Subscriber Radio Disposal	Standard #:	2.13.1
	Date Adopted:	07/12/2018
	Date Reviewed:	
	Version:	

1. Purpose or Objective

To ensure that all subscriber radios are properly removed from the ISICS system when they are no longer needed or disposed of.

2. Technical Background

• **Capabilities**

Each programmed subscriber radio contains a listing of local, regional and statewide system information that falls under the categorization of critical infrastructure and not for public disclosure under Chapter 22.7(50) of Iowa Code.

• **Constraints**

If radios are not properly de-programmed, there is a potential for a number of system-level issues. These issues include, but are not limited to, duplicate radio ID's, talkgroup usage issues, talkgroup affiliation issues, and a potential compromise of traffic encryption keys (TEKs) and associated key ID (KID) and storage location number (SLN) data remaining in the radios, as well as ISICS system programming information.

3. Operational Context

Subscriber radios identified for disposal, which have not been de-programmed could be turned on and cause system issues. Duplicate IDs can create receive issues for an agency with the same radio ID. There is also the potential of releasing a significant amount of proprietary system information like control channel lists, wide area communications network (WACN), SYSTEM ID, network access codes (NAC), and other technical

parameters. A radio with ISICS TEK(s) information like control channel lists, wide area communications network (WACN), SYSTEM ID, network access codes (NAC), and other technical parameters. A radio with ISICS TEK(s) still programmed into the device may allow an unauthorized user to hear sensitive audio transmissions.

4. Recommended Protocol/Standard

Surplus subscriber radios must be de-programmed or destroyed to prevent unwanted consequences to the ISICS Platform. A sub-system administrator shall notify the System Administrator whether the Subscriber ID for that radio will be re-used.

5. Recommended Procedure

All surplus subscriber radios must have all of the ISICS Platform programming information, talk groups and all of the conventional frequencies removed before they are marked for disposal, sold or scrapped. The crypto module shall be zeroized. The ID of the radios should be set to default. Final verification by subsystem administrator that the radios have been deprogrammed should be performed before the radios leave the possession of the owning agency.

In the event that a radio cannot be zeroized or deprogrammed, the System Administrator will be notified by the agency and verify that appropriate steps have been taken to mitigate any potential compromise of the encryption material.

6. Management

Sub-system administrators and subscriber radio owners will be responsible for ensuring that all radios are deprogrammed and disposed of correctly.