



Statewide Interoperability Radio Network (SIRN) Standards, Protocols, Procedures



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State Standard Number	3.5.0	
Standard Title	SIRN Radio & Talkgroup ID Allocation	
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1. Purpose or Objective

The purpose of this Standard is to allocate Talkgroup ID and Radio ID ranges for individual agencies and to standardize a numbering convention for radio IDs and talkgroup IDs by user group (jurisdiction, agency or County). This will simplify the management of the IDs and enable easier identification of users and talkgroups.

2. Technical Background

- **Capabilities**

Each talkgroup and radio requires a *unique and exclusive* identifier on the SIRN. A radio is assigned a Radio ID consisting of seven (7) digits ranging from 0000001 to 5599999. Talkgroups are assigned Talkgroup IDs consisting of five (5) digits in the range of 00001 to 55999.

- **Constraints**

Each device or talkgroup must be assigned a unique and exclusive ID. Duplication of IDs across resources can cause unexpected device behavior.

3. Operational Context

Each county and agency operating on SIRN is assigned a range of radio IDs and talkgroup IDs as detailed in this Standard. Local Administrators and device programmers shall consult this Standard when assigning IDs and are responsible for ensuring compliance to the numbering convention in this Standard.

4. Recommended Protocol/ Standard

Talkgroup ID Numbering Convention

- For ease of identification and standardization, talkgroup IDs shall follow the SIRN Talkgroup ID Numbering Convention described below.
- A talkgroup ID consists of five (5) digits. Digits in positions 1, 2 and 3 will be used to represent counties and agency functions as follows.
- **00000**: The first two digits are used to identify agency or jurisdiction as follows:
 - 00 represents State agencies





Statewide Interoperability Radio Network (SIRN) Standards, Protocols, Procedures



- 01 to 53 represents the 53 counties in alphabetical order
- 54 is assigned to Tribal Nations
- 56 is assigned to Federal Agencies
- 57 is assigned for Miscellaneous entities
- Other entities not directly affiliated to a federal, state or local agency will be assigned the two digit prefix on a case-by-case basis.
- **00000**: The third digit is used to identify the agency's function as follows:
 - 1: Law Enforcement and Corrections
 - 2: Fire
 - 3: Ambulance and EMS
 - 4: Emergency Management and local (county level) collaboration talkgroups
 - 5: Highway Departments
 - 6: Schools
 - 7: Public Works and Parks and Recreation
 - 8: Health/Hospitals
 - 9: Transit/Transportation
- Talkgroups for State agencies shall further be organized per the following ranges (last three digits):

○ NDIT	000	099
○ Mutual Aid	100	199
○ HP	200	299
○ BCI	300	349
○ Game and Fish	350	399
○ Hospitals	400	499
○ State Radio	500	549
○ DES	550	599
○ P&R	600	649
○ DOC	650	699
○ NDFS	700	749
○ DOH	750	799
○ DOT	800	899
○ NDNG	950	999



Statewide Interoperability Radio Network (SIRN) Standards, Protocols, Procedures



Radio ID Numbering Convention

- Radio IDs shall meet the following SIRN Radio ID Numbering Convention.
- A Radio ID consists of seven (7) digits. Digits in positions 1, 2 and 3 will be used to represent counties and agency functions as follows.
- 0000000: The first two digits are used to identify agency or jurisdiction as follows:
 - 00 represents State agencies
 - 01 to 53 represents the 53 counties in alphabetical order
 - 54 is assigned to Tribal Nations
 - 56 is assigned to Federal Agencies
 - 57 is assigned for Miscellaneous entities
 - Other entities not directly affiliated to a federal, state or local agency will be assigned the two digit prefix on a case-by-case basis.
- 0000000: The third digit is used to identify the agency's function as follows:
 - 1: Law Enforcement and Corrections
 - 2: Fire
 - 3: Ambulance and EMS
 - 4: Emergency Management and local (county level) collaboration talkgroups
 - 5: Highway Departments
 - 6: Schools
 - 7: Public Works and Parks and Recreation
 - 8: Health/Hospitals
 - 9: Transit/Transportation
- Radio IDs for State agencies shall further be organized per the following ranges (last five digits):

○ NDIT	01000	01999
○ HP	02000	02999
○ BCI	03000	03999
○ Game and Fish	04000	04999
○ Hospitals	05000	05999
○ State Radio	06000	06499
○ DES	06500	06999
○ P&R	07000	07499
○ DOC	07500	07999



Statewide Interoperability Radio Network (SIRN) Standards, Protocols, Procedures



- NDFS 08000 08499
- DOH 08500 08499
- DOT 09000 19999
- NDNG 20000 20500

5. Recommended Procedure

Agencies must use the IDs for radios, consoles and talkgroups that have been reserved for them per the Talkgroup and Radio ID Allocations in this Standard.

It is the responsibility of the SIRN user agency and its Local Administrator to ensure no two agency devices have been programmed with the same Radio ID.

Upon approval and initial on-boarding of an agency, the Statewide System Administrator will assign a fixed number of talkgroup and radio IDs to the user agency within its approved range and consistent with the conventions in this Standard. Assigned ID ranges consider future user growth of the agencies.

Agencies seeking additions and/or changes to Talkgroup or Radio IDs should refer to the following SIRN standards respectively:

- SIRN Standard 3.2.1 Radio ID or Radio Alias Change Request
- SIRN Standard 3.3.1 Talkgroup Change Request

Related Standards

In addition to the structured Radio and Talkgroup ID numbering conventions defined in this Standard, SIRN follows naming conventions to similarly allocate unique and descriptive identifications to radios and talkgroups. Refer to the following Standards.

- SIRN Standard 3.2.0 SIRN Radio Aliases
- SIRN Standard 3.3.0 SIRN Talk group - Multi group names

Radio IDs without assigned alphanumeric identifiers (or Radio Aliases) will be displayed with the seven-digit ID as the “caller ID” on receiving radios and consoles.

6. Management

The Statewide System Administrator will maintain the Talkgroup and Radio ID Allocation tables.

Local Administrators will individually manage the ID ranges for the day-to-day activities and for their local area/region.

It is recommended that all Administrators complete a bi-annual self-audit to verify their allocations are consistent with this Standard.



Statewide Interoperability Radio Network (SIRN) Standards, Protocols, Procedures



Administrators found to be in violation of this Standard will be held accountable for their actions in accordance with applicable ND SIRN Standards.