

Allied Radio Matrix for Emergency Response (ARMER) Standards, Protocols, Procedures

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Procedure Title:	Radio ID and Talkgroup Allocation	
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1. Purpose or Objective

The purpose of allocating talkgroup ID ranges & radio ID ranges for the individual agencies allows the individual agencies to manage their pool of IDs as talkgroups & radio users / console positions are configured. This will simplify the management of the IDs and provide an easier indication of what IDs belong to what agency in the event that a radio user alias is not available.

2. Technical Background:

Radio IDs must be in the range of 1 to 16,777,211. It is recommended that IDs above 1,000,000 be reserved for future packet data use, although this recommendation isn't enforced via the user interface.

These IDs will be the same that users will enter in when doing private calls or call alert pages. Also, the IDs picked at this step will be the same that will be displayed on the subscriber radios if the "ID Display" feature is purchased and enabled. These IDs will also be displayed at the console if the console alias feature is not used.

Talkgroups must be in the range of 1 to 65,534. These are always prefixed with "800" so they will be entered and displayed on the manager as "80000001" to "80065534."

Every Gold Elite Dispatch console will also use a radio ID for each individual talkgroup at each individual position that is programmed into the console, and must be factored in the planning. Each CEB based logging track also requires a radio ID.

Every MCC 7500 Dispatch console will also use a single radio ID at each individual position.

3. Operational Context:

The Statewide Radio System will start at the beginning of the talkgroup range with “1” and at the beginning of the Radio ID range with “1” as indicated in the table of *Allocated Talkgroup & Radio ID Numbers*. The other regions of the state will follow the last entry.

In planning the values for the table, the individual agencies should use a realistic anticipation of the numbers of talkgroup & radio user IDs that are expected to be in use during their initial implementation plus a reasonable quantity for future growth for 3 years. These amounts will then be entered into the *Allocated Talkgroup and Radio ID Numbers* as the Fleetmap process progresses.

The system management structure of the ARMER system allows for the Statewide System Administrator and other approved Local System Administrators, defined in ARMER Standard 1.11.1, to create and load IDs into the system. While the Statewide System Administrator has full UCM rights to create/edit all IDs in the system, the other Local System Administrators have UCM access and creation rights to their defined security group.

4. Recommended Protocol/ Standard:

At the time of participation plan approval the Operations and Technical Committee (OTC) will assign a fixed number of Talkgroup and Radio IDs to the requesting agency. This number is the planned number initially needed by the agency plus a reasonable quantity for future growth for three years. If more IDs are required in the future the agency will need to follow the procedures as outlined in ARMER Standard 1.8.0: Moves, Changes, and Additions to request more IDs from the OTC.

For programming radio users, talkgroups and console positions individual agencies will use the IDs that have been reserved for them in the *Table of Defined Ranges*.

Approved Local System Administrators that have been assigned a system management account will load the appropriate ID’s into the system as needed, but not exceeding their allocation from the OTC.

Agencies must not use IDs that are not their own.

5. Recommended Procedure:

At the time of participation plan approval the OTC will assign a fixed number of talkgroup and radio IDs to the requesting agency. This number is the planned number needed by the agency plus a reasonable quantity for future growth for three years. If more IDs are required in the future the agency will need to follow the procedures for moves changes and additions to request more IDs from the OTC.

Approved Local System Administrators that have been assigned a system management account will load the appropriate ID's into the system as needed, but not exceeding their allocation from the OTC.

At the OTC's discretion, existing users may be required to submit a plan projecting the number of talkgroup and radio ID's that will be needed for future growth. The approved three year projection plans will then be used to update the *Table of Allocated Talkgroup & Radio ID Numbers*.

6. Management

The Statewide System Administrator will maintain the *Table of Allocated Talkgroup & Radio ID Numbers* and the *Table of Defined Ranges*.

Local System Administrators will individually manage the ID ranges for day to day activities. All Local System Administrators shall complete monthly self-audits outlining the amount of ID's currently in use by their agencies in reference to their allocations.

Local System Administrators will be required to attend a meeting called by the Statewide System Administrator, to discuss system management procedures and review audits in need of attention.

Between December 1 and December 31 of each year, all Local System Administrators shall submit a yearly report to the Statewide System Administrator, outlining the amount of ID's currently in use by their agencies in reference to their allocations.

All System Administrators found to be in violation of this standard will be held accountable for their actions in accordance with ARMER Standards Section 7: Compliance and Conflict Resolution.