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# Alaska Land Mobile Radio Communications System

## Scanning & Scan Programming

# Overview

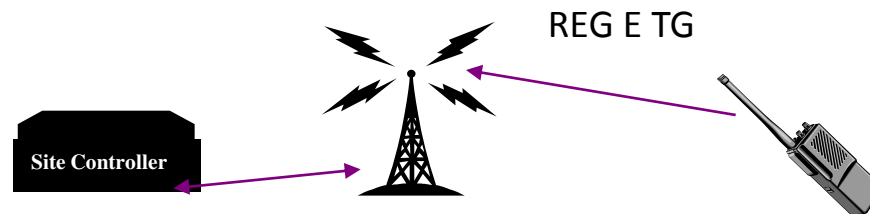
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- Affiliation Review
- Scanning
- Scan Programming

# Site Affiliation (Review)

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- Radio can only affiliate ONE talkgroup with ONE site at a time
- Radio transmits its information over the control channel
  - Unit ID
  - Talkgroup ID
- The site authorizes the radio for use on the system



# Scanning Configuration

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During the codeplug programming, the radio is assigned scan lists. Each Scan list is designed based on the purpose for the list.

- Type of Scan (Conventional, Priority or Talkgroup)
- What channels are included in the default scan list
- Whether the scan list is Fixed or User Programmable
- Scan lists are associated to talkgroups or channels

# Scanning Configuration

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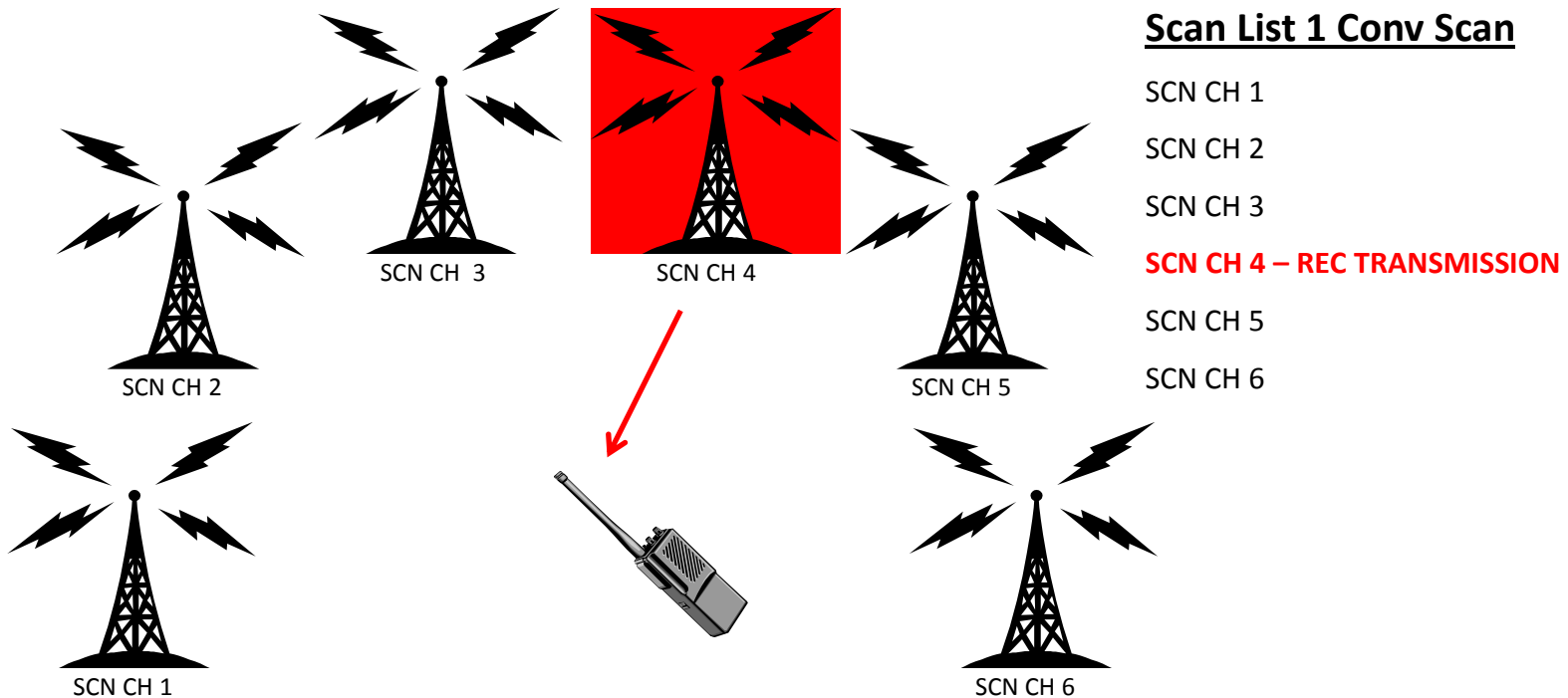
Scanning types:

- Conventional Scan –
  - Only Conventional Channels
  - Max 16 Channels (Frequencies)
- Priority Scan –
  - Only Trunked Talkgroups
  - Max16 Talkgroups
- Talkgroup Scan –
  - Both Conventional channels and Trunked Talkgroups
  - Max 10 Channels or Talkgroups

# Scanning - Conventional

Conventional system scanning:

- Radio changes frequencies rapidly
- Stops when traffic is received on selected channels



# Scanning – Priority

## Priority Scan:

- Radio watches ONLY the control channel
- The site only broadcasts IDs for radios affiliated with those talkgroups
- Only talkgroup IDs selected by the scan list in the radio

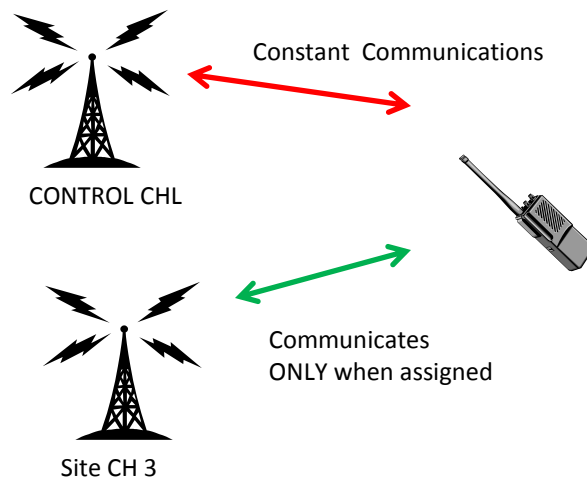
### Site Affiliated TG List:

TG ID 12345783

TG ID 12345787

TG ID 12345690

TG ID 12345684 – CH 3



### Scan List 1 PRI Scan

SCN TG ID 12345678

SCN TG ID 12345679

SCN TG ID 12345680

SCN TG ID 12345681

SCN TG ID 12345682

SCN TG ID 12345683

SCN TG ID 12345684

# Scanning – Talkgroup



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- Radio rotates between the control channel and conventional channels
- Talkgroups transmitted during the Control Channel monitoring will receive the call – those transmitted during the conventional portion will not
- Conventional channels will not receive calls during the Control Channel monitoring

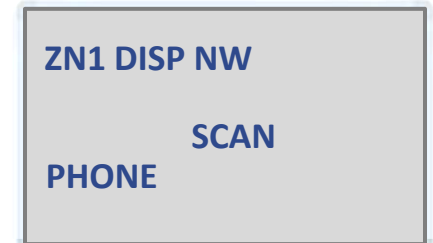
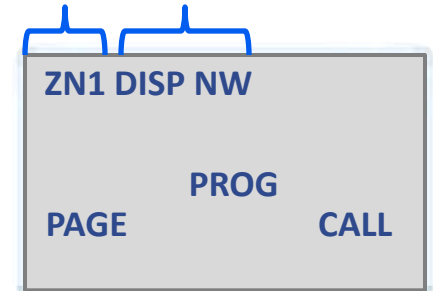


# Programming Scanlist

## SCAN EDIT –

1. Select a channel corresponding to the scan list being programmed.
2. Select the scan edit mode using the PROG option from the menu parameter followed by the SCAN option on the menu. The  icon blinking in the display indicates scan edit mode is active.
3. Select the zone where the channel is located by first pressing the navigation key left or right.
4. Select the channel using the channel knob until the desired channel is shown in the display.
5. Once displayed, the Channel can be:
  1. Added by pressing SEL, The display will display the scan icon: 
  2. Removed by selecting DEL.
6. The list can be reviewed using the RCL (recall) menu item.

Zone Channel



# Questions

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