



## North Zone Communications Committee

### TRAINING TOPIC RCS Radio Failure Instructions

April 2007

#### SITE TRUNKING MESSAGE

When there is a problem with the portion of the 800 MHz system that associates your radio with the closest repeater, the display will read "Site Trunking." This means that your radio is now only associated with just a single loop (North, South, etc.) of repeaters and not the whole system. If you are remaining in the North Zone geographic area, your radio will continue to function normally. However, if you travel into the San Diego City system or to another coverage area (south, Heartland area, etc.) your radio may not automatically associate itself with that system or loop. If you attempt to transmit with your radio and are unable to reach the appropriate loop of repeaters, you should get a long "honk" sound from your radio.

In the event you are somewhere that can not reach the default repeater loop, you will need to perform the following actions:

Mobile Radio: Depending on your radio type, you will need to depress the key that is labeled either "site" (#9 on the keypad) or "ste" (#1 on the keypad). Hold it for a couple of seconds until it reads scanning. It will now select a site it can reach. You can now transmit and a repeater will pick up the signal. In North Zone, your goal is to get your radio to associate with the "North Loop."

Portable radios: Press the top-most of the two black/grey buttons on the side of your radio above your push-to-talk switch. It is marked by a single dot and is right below the purple button that turns the display light on. Hold that button in and your display will tell you that you are scanning. It will then select a site the radio can reach. You can now transmit and a repeater will pick up the signal.

#### FAILSOFT MESSAGE

When there is a significant issue with the RCS equipment, the 800 MHz repeaters may all become unavailable. When this happens the display on your radio will read "Failsoft" and a single high-pitched beep will be heard every 10 seconds. When this happens, all radios SHOULD automatically switch to an available conventional channel. This will be a shared channel with other users and will be line-of-sight (direct) only.

#### OCEANSIDE 800 MHz BACK UP REPEATER (City 4)

***NOTE: This only applies to OCS and MCP Radios***

The City of Oceanside has installed an emergency conventional 800 MHz channel to provide City-wide mobile radio coverage in the event of an RCS failure. This channel is only available on Oceanside radios. The City 4 channel is located in the Conventional (CNV) zone and is connected to a repeater located at Fire Mountain. To use City 4, Switch your radio to this channel and put it into the repeated mode. You should have 100% mobile coverage throughout the City and pretty good portable coverage west of College. If you cannot hit the repeater, try the direct mode to another unit closer to Fire Mountain. Dispatch will monitor this frequency in the event of a widespread RCS failure ("Failsoft").