

CALIFORNIA STATE RAILROAD MUSEUM

SACRAMENTO SOUTHERN RAILROAD

CIRCULAR –18

TWO-WAY RADIO USE—SSRR OPERATIONS

APRIL 25, 2014

1. GENERAL

The SSRR uses three types of radios:

- a. Base Station in Crew Center
- b. Mobile (Locomotives, Maintenance of Way, and Signal Department Vehicles)
- c. Battery-powered, hand-held, portable radios.

2. RADIO FREQUENCIES LICENSED TO THE SSRR

- a. Channel 1 - (Simplex): (AAR Channel 22 22)
 - 1) Crew Center base station
 - 2) Train and Engine Crew members
 - 3) Car Attendants
- b. Channel 2 - (Simplex): (AAR Channel 15 15)
 - 1) Maintenance of Way
 - 2) Signal Department
- c. Channel 3 - (Repeater):
 - 1) Used primarily by Maintenance of Way and Signal Department.
 - 2) May be used in emergency by train and engine crews/Car Attendants to communicate with Crew Center or others.
 - a) Select Channel 3 on mobile/base radios
 - b) Select Channel 3 on hand-held portable radios equipped with three Channels

- d. Channel 4 – (UPRR Dispatcher 62) (AAR Channel 46 46)
 - 1) Used by train crews to obtain permission to proceed by signal indication through manual interlocking at RV988 (UPRR/SSRR Crossing)
 - 2) **NOTE:** Hand held Radios with a white band on the antenna are two-channel radios. They cannot access the Repeater or the UPRR Dispatcher.

3. REPORTING RADIO DEFECTS

- a. Two-way radios found to be defective shall be tagged and given to the Crew Dispatcher or proper manager.
- b. Tags shall include name and contact information of person reporting the problem. Provide as much information as possible about the defect.
- c. Crew Dispatcher (or proper manager) shall notify Al Utzig via email at scooter@surewest.net about the defect report.
- d. If the situation is urgent (such as a locomotive or Crew Center radio failure), notify Al Utzig (916-715-8441), or Dave Megeath at d.megeath@comcast.net or (916-225-7627). Leave a detailed voice mail describing the problem.

4. PURCHASE AND USE OF PERSONAL TWO-WAY RADIOS

- a. SSRR crew members may (at their own expense), purchase, maintain and use their own two-way radios while on duty:
- b. Radios shall be type-accepted by the Federal Communications Commission (FCC) under Title 47 Code of Federal Regulations Part 90 (47CFR90), for commercial use.
- c. Radios shall be narrow band compliant.
- d. Radios and accessories (such as extra batteries, chargers, and speaker microphones) shall be inspected and tested annually by the SSRR Radio Department. Personal radios and/or accessories found defective shall not be used until repaired or replaced at the owners expense.
- e. Radio transmissions on assigned SSRR frequencies shall be only to conduct SSRR business and communicate with other authorized SSRR base, mobile and hand-held two way radios.

End of Circular—18

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