

OPERATION OF
HAND OR PACK CARRIED
MOBILE RADIO STATIONS

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1. GENERAL

1. 01 This section provides information and instructions concerning the use and maintenance of hand or pack carried mobile radio stations (Walkie-Talkies). These units are to be used to provide communication facilities for co-ordinating outside plant construction and maintenance operations.

1. 02 The mobile units are operated under authority of the Federal Communications Commission (hereinafter abbreviated F. C. C.) as covered by a license issued by that body. The original and photostatic copies of the license are posted at points as indicated on the transmitter identification card (FCC Form 452-C) attached to the mobile unit. These cards are prepared and attached to the mobile unit by the mobile telephone service center which normally maintains the unit as covered in Part 4 of this section.

1. 03 An F. C. C. inspector may on occasion make inquiries or inspect mobile units in the field. It will be desirable to ask for credentials if there is any question as to his identity. Full co-operation shall be given the inspector. A memorandum report of such inspection shall be promptly made to the toll service supervisor, via lines of organization. It is suggested that the report be made under the subject heading "REGULATORY BODIES: Federal

(F. C. C. Inspections). . . . " The memorandum shall include information such as date and time of inspection, location, name of F. C. C. inspector, name of telephone company employee involved, inspector's comments. etc.

2. OPERATING RULES

2.01 In compliance with the requirements of the F. C. C. , the following rules shall be followed when operating the mobile units:

- (a) Only authorized units bearing transmitter identification cards with the proper serial number shall be used.
- (b) Persons authorized by local supervision, regardless of whether or not they possess a radio operator's license, may operate these sets as required by the work operation.
- (c) No person, other than licensed personnel at mobile telephone service centers, shall make repairs or adjustments of the mobile units except as indicated in Paragraph 4.01.
- (d) The press-to-talk button (or equivalent) shall not be operated except during "talking" periods.
- (e) Obscene or profane language shall not be transmitted over the air.
- (f) Each mobile unit shall announce its call sign (as shown on the transmitter identification card) at the end of each transmission or once each 15 minutes of operating time.
- (g) Communications shall be restricted to the minimum practical transmission time and to business matters only.
- (h) Operators of the units shall refrain from knowingly interfering with emergency communications of other stations which may be using the same frequency.
- (i) Mobile units shall be so protected that they are not accessible to persons other than those authorized by the telephone company.
- (j) During the operation of a mobile station, other stations may be heard on the frequency. No attempt should be made to communicate with stations that are not involved in the telephone

company's particular operation unless there is mutual interference. In this case the other station may be contacted and an attempt made to work out an arrangement which will permit both users of the frequency to proceed with their operations. If this is not possible, the call sign, operating frequency, name and location of the other station should be obtained and forwarded to the toll service supervisor through lines of organization for investigation. All contacts with other stations shall be handled in a courteous and diplomatic manner.

2.02 Questions involving F. C. C. rules and regulations shall be referred to the toll service supervisor via lines of organization.

3. OPERATION

3.01 The toggle power switch is used to turn the set on and off. Operating this switch to the ON position places the receiver in operation.

3.02 To transmit, press the press-to-talk button on the handset and speak clearly and directly into the mouthpiece. When this button is depressed the receiver is turned off, therefore, the press-to-talk button should be released immediately on completing the transmission in order that the reply may be received. The word, "over", may be used to indicate the end of a transmission.

3.03 The clearness and range of transmission may be improved if the following points are observed:

- (a) Face the antenna end of the set housing in the direction of the equipment with which it is communicating.
- (b) Place set on ground or hood or top of car.
- (c) Avoid placing set near parked cars, metal signs, buildings or trees.
- (d) Keep set stationary while in use.
- (e) Do not stand near antenna or between antenna and the distant station.

3.04 When several mobile radio stations are to be used to coordinate a work operation, the sets should be placed in the approximate location at which they will be used and tested with each other before starting the job.

3.05 When mobile stations are used in connection with the pre-lashing of aerial cable, the following arrangements will facilitate their use:

- (a) At the pulling-in truck, place the radio set on top of the cab or crew compartment and run the handset cord down to the truck operator.
- (b) At the E cable lasher, use a handset cord of sufficient length to permit the operator to move around the trailer without moving the set.

4. MAINTENANCE

4.01 In order to comply with the F. C. C. rules governing the maintenance of mobile radio stations, only the following repairs may be made by the field forces;

- (a) Temporary repairs on handsets and cords.
- (b) Replacement of batteries

4.02 Sets requiring repairs or adjustments other than those listed above shall be returned to the mobile service center responsible for the unit as shown on the transmitter identification card attached to the set. When warranted by the circumstances, sets may be taken to the nearest mobile service center for repair. The locations of the mobile telephone service centers are listed below;

- (a) 1017 South Olive Street, Los Angeles
- (b) 1015 "G" Street, San Diego
- (c) 642 State Street, El Centro (in service approximately 2-1-53)

4.03 Mobile units shall be returned for routine tests at intervals no greater than six months. It will be the responsibility of the user to see that the unit is sent to the mobile telephone service center listed on the transmitter identification card within the six month period starting with the last date of test shown on the back of the card.

4.04 Replacements for lost or mutilated transmitter identification cards shall be obtained from the mobile service center responsible for a given mobile unit.