



DEPARTMENT OF THE NAVY  
OFFICE OF THE CHIEF OF NAVAL OPERATIONS  
WASHINGTON, DC 20350-2000

IN REPLY REFER TO  
OPNAVINST 2400.7F  
Op-941F

24 APR 1987

OPNAV INSTRUCTION 2400.7F

Subj: FREQUENCY USAGE REPORT

Ref: (a) NTP-6(B) (NOTAL)

1. Purpose. To publish instructions for reporting usage of the radio frequency spectrum below 30 MHz. This instruction has been substantially revised and should be read in its entirety.
2. Cancellation. OPNAV Instruction 2400.7E, OPNAV 2400/4.
3. Background. Reports on usage of radio frequencies below 30 MHz are essential to provide the Chief of Naval Operations and Department of the Navy (DON) spectrum managers with information to:
  - a. engineer the assignment of radio frequencies to DON activities.
  - b. ensure that DON frequency assets are employed effectively and managed efficiently.
  - c. maintain integrity of the Frequency Resource Records System (FRRS).
  - d. support DON frequency requirements at the Joint, National, and International levels.
4. Discussion
  - a. The radio frequency spectrum is a finite natural resource available to all nations. Because the spectrum is critically congested with users, the 1979 World Administrative Radio Conference reallocated use of some of the bands, resulting in a net loss of spectrum available for DON use. It is now difficult to obtain new frequencies and to prevent harmful interference to current assignments.
  - b. Timely frequency usage data is a valuable source of information for efficient frequency management, as well as universally accepted evidence to justify retention of frequency resources already acquired. Frequency usage data is used to:
    - (1) determine electromagnetic compatibility among frequency assignments in a potentially interference prone environment,

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(2) evaluate time sharing, geographical sharing, and reassignment capabilities within existing frequency assets, and

(3) establish priority status for new frequency assignments.

c. Frequency usage reports constitute a primary source of data required to manage DON radio frequency assignments below 30 MHz. Therefore, U.S. Navy and Marine Corps ashore transmitters that use ten (10) or more frequencies are required to submit quarterly frequency usage reports except for those with station class designation of XT, SN, SP, RO, ROA and M, as defined in Annex G of reference (a). Ships and aircraft are exempt from this reporting requirement because alternate methods exist to determine their frequency usage.

d. Frequency usage data is required quarterly following instructions contained in Chapter 3 and Annex F of reference (a).

e. The reporting process is being changed to take advantage of computer-based processing of frequency usage data and to reduce the administrative burden on reporting activities.

## 5. Responsibilities

a. The Naval Electromagnetic Spectrum Center (NAVEMSCEN) will mail frequency usage printouts (formerly listed on OPNAV 2400/4), containing a listing of all authorized frequency assignments below 30 MHz, to each unit required to report usage.

b. The user activity will indicate in the space provided on the printout:

(1) high, medium, or low usage for each frequency/emission listed,

(2) additions, deletions, and/or modifications to be made to the usage data base.

## 6. Action

a. Quarterly, NAVEMSCEN shall mail printouts of data for usage of frequencies below 30 MHz to ashore activities required to report usage.

b. Reporting activities shall annotate the printouts with a level of activity in the previous quarter for each frequency listed, and shall return the annotated printout to NAVEMSCEN within 15 days of receipt.

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7. Report. Symbol OPNAV 2400-1 has been assigned to the report referred to in paragraphs 5 and 6, and is approved for 3 years from date of this directive.



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