



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

IN REPLY REFER TO
OPNAVINST 2300.45A
OP-941C

DEC 30 1982

OPNAV INSTRUCTION 2300.45A

From: Chief of Naval Operations

Subj: Communication equipment allowances for internal security, industrial control, and passive defense networks; criteria for

Ref: (a) OPNAVINST 2800.2 (NOTAL)
(b) OPNAVINST 2410.11G (NOTAL)
(c) OPNAVINST 3440.16 (NOTAL)
(d) OPNAVINST C5510.83E (NOTAL)
(e) OPNAVINST 8023.19A (NOTAL)
(f) OPNAVINST 5530.13
(g) OPNAVINST 2400.20C (NOTAL)

1. Purpose. To amplify reference (a) and: (R)
 - a. Provide policy for provisioning internal security, industrial control and passive defense communications equipment;
 - b. Promulgate authorization criteria for these communications networks and equipment allowances; and
 - c. Establish coordination procedures for efficient use of mobile radio systems and frequencies.
2. Cancellation. OPNAV Instruction 2300.45.
3. User Categories. Internal security, industrial control, and passive defense communication equipments are defined as mobile and base stations, employed on radio networks to provide communications primarily for the following user categories:
 - a. Internal security
 - (1) Shore patrol
 - (2) Police, roving security, and safety patrols
 - (3) Fire departments, including vehicles used

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- (4) Crash crew
- (5) Logistic movement and storage of nuclear weapons
- R) and conventional ammunition
- R) (6) Paging systems
- b. Industrial Control
 - (1) Moving cranes
 - (2) Locomotives
 - (3) Motor pool vehicles
 - (4) Trucks
 - (5) Ambulances
- c. Passive defense
 - (1) ABC monitoring and survey teams
 - (2) Primary and secondary (end or zone) damage control points
 - (3) Mobilization and evacuation operations
 - (4) Civil disturbances
- R) 4. Policy. Internal security, industrial control and passive defense communications networks may be authorized by the appropriate major claimant as an action separate from the validation procedures set forth in reference (a). The following policies apply.
 - a. The coordination set forth is required for each network established.
 - b. Radio circuits between fixed stations connected by telephone inter-communication systems or similar means are not authorized.
 - c. Networks will be combined wherever possible to permit most efficient use of control stations and networks. Allowances for control stations may be provided as necessary to maintain control over mobile operations.

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d. Communications security requirements will be validated and approved concurrently with the system approval of reference (b).

e. Lease versus buy decision will be based upon least cost analyses.

5. Criteria. The following criteria shall be considered in establishing internal security, industrial control, and passive defense communication nets and controlling the issue and installation of the related communication equipment:

a. Mobile radio systems

(R)

(1) Shore patrol. Mobile radio equipment in shore patrol vehicles will be established where the capability of civil authorities is insufficient to cope with military personnel in the community, and where specific requests for liaison, requiring such facilities, have been made by civil authorities.

(2) Fire departments. Installation of radio equipment in vehicles assigned to activity fire departments will be considered in those cases where support to reference (c) is required. In general, two-way radio facilities will be restricted to activities designated for class A or B fire protection.

(3) Police, roving security, and safety patrols. Mobile radio equipment for this use will be approved only where police agencies of local governments are inadequate or too distant to provide the physical security required by the nature or strategic importance of the activity.

(4) Ambulances. Mobile radio equipment for ambulances will be considered only where necessary to insure the safety of life. Requests to equip ambulances with two-way radio will be submitted via the Chief, Bureau of Medicine and Surgery (in addition to the chain of command specified in paragraph 7), for appropriate comment as to the requirement for meeting the foregoing condition.

(5) Industrial control. Mobile radio equipment will be considered only where required for expeditious, safe, and economical operations.

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(6) Motor pools. Installation and operation of radio equipments in motor pool vehicles shall be based on economic consideration, taking into account the costs of establishing and operating the network, as well as savings that may be attained through more effective employment of vehicles.

- R) (7) Nuclear weapons logistic movement and storage. The criteria and standards of references (d) and (e) require dedicated, reliable and multi-frequency communication systems to monitor nuclear weapons logistic movements and storage. Communications equipment must meet all HERO radiation restrictions and incorporate National Security Agency (NSA) requirements.

(8) Conventional weapons/munitions logistic movement and storage. The criteria and standards of reference (f) require mobile communications in security operations. Mobile radio equipment for this use will be authorized only when other existing or requested mobile station equipment cannot be diverted to these uses on an "as required" basis.

- R) b. Passive defense. Radio communication facilities authorized for internal security and industrial control shall be used to the fullest extent possible in passive defense operations. In planning passive defense communications, consideration must be given to the fact that passive defense operations will encompass not only areas within a station, but widely separated activities and areas within and without naval jurisdiction. Compliance with parameters of reference (c) is required.

- R) c. Control stations. Allowances of control station internal security, passive defense, and industrial communication facilities may be provided, as necessary, to maintain communications with, and effect control over, mobile operations outlined.

- A) 6. Equipment. Equipment for control (base), mobile, and repeater systems shall normally operate in the radio frequency bands described in paragraph 8. Through local coordination use of modern techniques can be used to integrate systems, effect efficiency, cost reductions, improved capabilities, and conservation of radio frequency spectrum. Technical assistance can be provided through Commander, Naval Electronic Systems Command.

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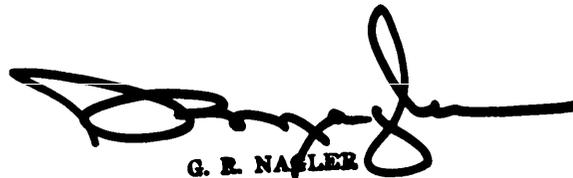
7. Allowances. Requests for the establishment of or changes to allowances, shall be originated by the host command for each naval complex involved and will consider and include the requirements of all tenant activities. These requests will be forwarded by the originating activity to its parent major claimant via the chain of command, coordinating with the naval base commander where applicable. The commander responsible for primary support will establish or change allowances in accordance with the criteria of paragraph 5. Requests for those nets, or portions, requiring communications security equipment are to be processed and validated in accordance with reference (a). (R)

8. Frequencies

a. The operation of internal security, industrial control, and passive defense communication networks shall primarily operate in the 138-150.8 MHz frequency band. Limited spectrum support is also available in the 162-174 MHz and 406-420 MHz bands. Frequency coordination and assignment responsibilities are designated in reference (g). In areas of heavy Department of Navy mobile operations, assistance of naval base commanders for local coordination is encouraged. In the case of cooperative ambulance communications with civilian networks, civilian frequency(s) may be authorized. (R)

b. Prior to procuring or leasing any equipment, frequency allocation approval for the specific equipment shall be obtained from the Chief of Naval Operations in accordance with reference (b).

9. Budgetary responsibility. Funds required for the procurement, installation, operation and maintenance, or lease of the equipment employed on the networks discussed here will be programmed by the commander having responsibility for the financial support of the activity or organizational component concerned. Cost effectiveness is to be considered prior to leasing commercial equipment. (R)



G. E. NASLER
By direction

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