

UNCLASSIFIED

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Non-Registered

HANDBOOK
of
NAVAL SHORE
STATION ELECTRONICS
CRITERIA

Cooke Engineering Company
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Alexandria, Virginia

DEPARTMENT OF THE NAVY
BUREAU OF SHIPS

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INSTRUCTION SHEET

1. Make the following pen and ink corrections:

- | <u>PAGE</u> | <u>ACTION</u> |
|-------------|--|
| 1-1 | Put Note at bottom of page "NOTE": Wherever Bureau of Ships Manual appears in the handbook, change to read "Bureau of Ships Technical Manual". |
| 1-2 | Para 1-4b – add at end of para – "See para 1-221(2)". |
| 1-12, 1-14 | Para 1-22a(3)(d) and 1-22b(4)(g) – delete "1 mile" in both places and replace with "Field density measurement to decide distances". |
| 1-14 | Para 1-22b(3)(b) – change 70-ohm to 75-ohm. |
| 1-16 | Para 1-22d(1)(b) – delete last sentence and add "See Reference 1, Appendix XII". |
| 2-4 | Para 2-2a(5)(b) lines 5 and 9 change 70 ohm to read "75 ohm". |
| 2-59 | 1st para, line 12, correct 2nd word to read "every"; all of page, change 70 ohm wherever appearing to "75 ohm" – change RG-85/U to "RG-85A/U" wherever appearing. |
| 2-61 | Para 1. RF DISTRIBUTION, change first three sentences to read "1. RF Distribution. – Standard practice is to bring all RF signal energy into the building on standard outside coaxial cable. Cabling within the building is standard inside coaxial cable. First transition from outside coaxial to inside coaxial shall be at the point of cable entry by standard connector adaptors". End of 2nd para add – "see Figure 2-27a". |
| 2-66 | Delete Figure 2-30. |
| 2-67 | Delete Figure 2-31. |
| V-3 | 2nd para, delete period and add "in Appendix XII". |
- Remove pages i and ii, replace with Change 2, i and ii.
 - Remove pages v to xi, replace with Change 2, v to xi.
 - Remove pages 1-3 to 1-6, replace with Change 2, 1-3 to 1-16.
 - Add page 1-33.
 - Remove page 2-5 to 2-50 inc, replace with Change 2, 2-5 to 2-50 u.
 - Insert Change 2 page 2-60a following original 2-60.
 - Add Change 2 pages 2-66a, 2-66b, 2-66c (reverse blank) following original 2-66.
 - Remove Change 1 pages 2-99 to 2-105, replace with Change 2 pages 2-99 to 2-105 (reverse blank).

10. Remove Change 1, Section 3 in its entirety, replace Change 2, Section 3 and Change 2, Section 4.
11. Remove pages II-1 to II-7, replace with Change 2 pages II-1 to II-9 (reverse blank).
12. Remove Change 1, Appendix IX, replace with Change 2, Appendix IX (front page and pages IX-1 to IX-4).
13. Remove Change 1, Appendix XII, replace with Change 2, Appendix XII (front page and pages XII to XII-3).
14. Remove Change 1, index and replace with Change 2, index (pages i-1 to i-4).



DEPARTMENT OF THE NAVY
BUREAU OF SHIPS
WASHINGTON 25, D. C.

IN REPLY REFER TO
Code 993-100
31 December 1956

From: Chief, Bureau of Ships
To: All Activities concerned with the Subject Handbook
Subj: Handbook of Naval Shore Station Electronics Criteria
NAVSHIPS 92675

1. This Handbook of Naval Shore Station Electronics Criteria is in effect upon receipt.
2. When superseded by a later edition, this publication shall be destroyed.
3. Extracts from this book may be made to facilitate the preparation of other Department of Defense publications.
4. Errors found in this handbook (other than obvious typographical errors), which have not been corrected by means of Temporary Corrections or Permanent Changes, should be reported. Such report should include the complete title of the publication and the publication number (short title); identify the page and line or figure and location of the error; describe the error or indicate what change should be made; and be forwarded to the Electronics Publications Section (Code 993) of the Bureau of Ships.
5. All Navy requests for NAVSHIPS electronics publications should be directed to the nearest Bureau of Supplies and Accounts Forms and Publications Supply Point. When changes or revised books are distributed, notice will be included in the Electronics Information Bulletin, NAVSHIPS 900, 022A, and in the Index of Bureau of Ships General and Electronics Publications, NAVSHIPS 250-020.

A. G. MUMMA
Chief of Bureau

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FOREWORD

The purpose of this handbook is to provide in one document, criteria for the establishment, maintenance, and, to a limited extent, the operation of Shore Electronic Installations. Material used in the preparation of the handbook has been taken from current Bureau directives, instruction books, field studies, and reports of research and development which tend to promote standardization and to provide optimum performance of the installed electronic systems which are a part of the Naval Shore Establishment.

This handbook will be kept current by changes in the form of correction sheets, new sheets, and addenda. Progress in this field comes from the Bureau's continuing research and development programs, and plant engineering improvements stemming from experience and changes in requirements. Information contained in directives which are appropriate to the publication will be integrated herein by the above changes. This, however, will in no way affect the status of the directives. References to specific directives are not necessarily included in the text.

In establishing criteria for equipment procurement for installation at shore activities, the Bureau of Ships is held to standard procedures as prescribed in OPNAV INSTRUCTION 4720.9, Serial 206P41 of 18 March 1955 as revised October 1956. This involves a period of prototype development and evaluation which may delay the utilization of some of the latest improved equipment features but will assure the eventual installation of the most effective and reliable devices obtainable to improve combat readiness.

The intent of section one is to provide non-technical coverage which will be of value to Commanding Officers, Staffs, Public Works Officers, etc., with whom Bureau of Ships Maintenance Authorities are required to collaborate in planning for and establishment of shore electronic facilities.

Section two is provided for Bureau of Ships Maintenance Authorities and other field technical personnel, and is intended to provide engineering standards to be used in technical control of design, development, procurement, and installation of electronic equipment and systems.

Section three, as part of change No. 2, contains Maintenance and System Test Criteria which will be of assistance to the Maintenance Authority and operating personnel to maintain equipment and establish system test procedures for equipments in shore electronic facilities with a view toward sustaining optimum performance.

Section four, as part of change No. 2, delineates performance standards and factors affecting performance of equipment and systems to assist the Maintenance Authority and operating personnel in maintaining the standards of performance to assure continuity of operational requirements.

This publication shall be used as a guide for annual inspections and preparation of improvement or military construction projects. Consideration will be given to properly justified requests for waivers, and the Bureau of Ships will, from time to time, direct departures from the standards.

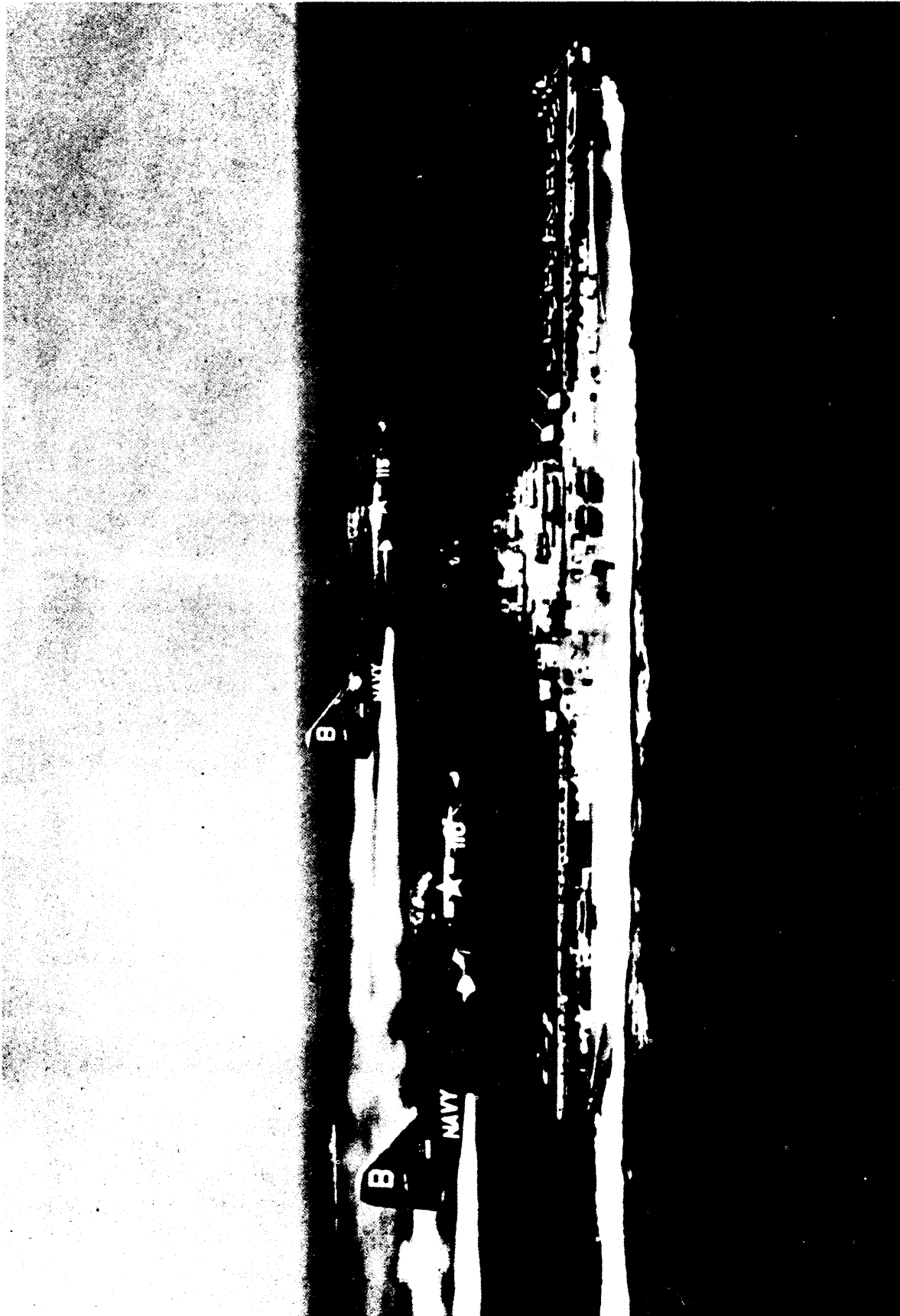


Figure 1-1. The Primary Mission of the Navy Shore Establishment is to Support Such Fleet Units as These