NAVY DEPARTMENT
OFFICE OF THE CHIEF OF NAVAL OPERATIONS
WASHINGTON 25, D. C.

From: CNO
To: All Holders of Ref. (a)
Subj: Catalogue of Advanced Base Functional Components—Amendment No. 3
Ref: (a) CNO’s “Catalogue of Advanced Base Functional Components (Third Edition)” as amended through 1 May 1945.
Encl: (A) New pages for ref. (a)

1. Addressees are directed to insert Encl. (A) in such copy or copies of ref. (a) as held, and to destroy the pages removed. Also remove and destroy page 80C.
2. The changes incorporated in Encl. (A) were occasioned by the following CNO letters:
   (1) Serial 0191230 dated 1 May 1945
   (2) Serial 0223230 dated 1 June 1945
   (3) Serial 0278330 dated 1 July 1945
3. Changes in addition to those occasioned by the above letters are:
   (a) A general revision of weights and cubes.
   (b) Correction of previous typographical errors.

4. Addressees are advised that ref. (a) is constantly revised and expanded in accordance with recommendations from the bureaus and the field. It is believed that those from the field are particularly valuable and addressees are encouraged to forward any suggestions they may have to CNO via the Area type commands.

5. If the fourth amendment to ref. (a) is desired, THE ATTACHED RECEIPT MUST BE FILLED OUT AND RETURNED TO CNO (OP30).

H. H. Good
By direction.

DECLASSIFIED IN FULL
Authority: EO 13526
Reviewed by DON/AA DRMD
Date: FEB 01 2019
CATALOGUE OF ADVANCED BASE
FUNCTIONAL COMPONENTS

THIRD EDITION
Effective 1 NOVEMBER 1944
and Amended through 1 JULY 1945

ATTENTION: If you wish to receive the quarterly amendments to this catalogue, keep CNO (Op 30) advised of your address and return all receipts promptly.

OFFICE OF THE CHIEF OF NAVAL OPERATIONS
BASE MAINTENANCE DIVISION (Op 30)
NAVY DEPARTMENT
From: The Chief of Naval Operations.
To: All Recipients of This Catalogue.
Subject: Catalogue of Advanced Base Functional Components.
Reference: (a) Vice CNO conf. ltr. Serial 0593980 of 15 July 1943.
1. This is the Third Edition of the subject publication. It is promulgated herewith to be effective on 15 October 1944.
2. Recipients are directed to destroy the Second Edition of the subject catalogue, reference (a) and its enclosure, on receipt of this edition.

Amended as follows:

Amendment No. 1, CNO Ser. 04230 dated 1 February 1945.
Amendment No. 2, CNO Ser. 014930 dated 1 May 1945.
Amendment No. 3, CNO Ser. 0279830 dated 1 July 1945.

H. H. Good,
By direction.
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INTRODUCTION

1. Purpose of Catalogue.—The purpose of this publication is to describe for the use of Area Commanders and their planning staffs the various components of personnel and material which are available to them for the establishment of Naval Advanced Bases. So that all components may be shown and the book kept small enough for easy reference, only the briefest thumbnail sketches are given. For a more detailed description of each component the reader is referred to the Initial Outfitting Lists described in paragraphs 13 and 14 below.

2. Functional Components.—A Functional Component is a collection of personnel and material designed to perform one or more of the specific tasks of an advanced base. The size of a Functional Component is dependent upon its task. It may consist of one enlisted man with 100 lbs. of equipment or of 1,000 officers and men with 10,000 tons of equipment. Each Functional Component contains all of the technical personnel and the technical equipment necessary for the performance of its task including workshop housing, vehicles, boats, office equipment and 90 days initial supply of shop and office consumables. Housing and messing facilities for personnel, defensive ordnance, communication facilities and in many cases power plants and water supply are not provided with each Functional Component. These facilities are generally Functional Components in themselves and render their services to all other Functional Components at the base. The Functional Components available upon request of Area Commanders are summarized beginning on page 7 and are described individually beginning on page 29. For easy reference they have been given, in addition to their titles, unclassified code numbers consisting of a letter or a number, A5, or a letter, number and letter, BAA. Certain Functional Components are divided (or soon will be) into Sections for ease in echeloning.

3. Advanced Base Units.—An Advanced Base Unit consists of all of the Functional Components to be used in the establishment of a Naval Advanced Base. It may be used to establish a repair base, a navy yard, a supply base, an oil depot, a supply depot, an airfield, an air base, or any type of naval shore establishment at an overseas location. Certain frequently used Advanced Base Units, such as Lion, Cub, Acorn and Gropacs, are described beginning on page 14. Also listed there are the Functional Components which make up the standard forms of these units.

4. Advanced Base Assemblies.—An Advanced Base Assembly is a grouping of all of the Advanced Base Units required by a major fleet operation.

5. Advanced Base Organization.—"Advanced Base Organization" is a general term meaning any Functional Component, Advanced Base Unit or Advanced Base Assembly in either standard or modified form.

6. Planning a Movement.—In planning the movement of any Advanced Base Organization neither Standard Units nor Standard Components are mandatory. Standard groupings have been set up for planning and assembly purposes and are intended to meet average requirements. Whenever a standard grouping can be used, it is preferable to use it as it has received tactical training as a group. However, Area Commanders should feel free to request modifications to any Unit or any Functional Component as necessary to make it fit their needs.

7. Echeloning.—Advanced Base Units and Assemblies are so large—running into many ship loads—that echeloning is necessary. Care should be taken to see that each echelon has only the personnel and material necessary for that particular stage of the installation and that each echelon is sufficiently well balanced to be self-supporting until the next one arrives. An Appendix to this publication will be issued shortly showing which Functional Components can be divided into standard Sections for echeloning purposes.

8. The Nature of Advanced Base Units.—Advanced Base Units are strategical, tactical and logistical. They are tactical in the sense that they are fully trained for movement in entirety, or
in echelons, to advanced positions. In that they are to provide additional resources deemed necessary for the support of naval forces at these advanced positions, they are logistical. Therefore, Advanced Base Units are strategical in conception, logistical in assembly, tactical when in movement and logistical when established at their ultimate destination. Functional Components, on the other hand, are for logistic purposes from inception to final establishment.

9. Assembly and Training of Personnel.—The personnel in Advanced Base Functional Components receive such training in addition to their "boot" training as may be necessary to fit them for their duties as part of a Unit. If necessary, they are given individual training by BuPers to teach them their trade. Following this they are trained as a group in duties similar to those they will be expected to perform as part of a Functional Component and in many cases actually train as a Functional Component. Finally, when CNO orders the assembly of the component to which they are attached, they are ordered to an Advanced Base Personnel Depot for "tactical" training as a Unit under CNO direction. During this final stage, personnel are trained in simulated advanced base problems and operations. Sufficient technical training is continued during this final stage to permit the men to maintain their technical proficiency. While in this final stage, personnel is processed for shipment overseas. From the Personnel Depot they are moved directly to the Port of Embarkation.

10. Assembly of Material.—Materials for these components are procured by the six material Bureaus of the Navy Department and shipped into Naval Depots. Some material, notably BuY&D gear, is shipped directly to seaboard depots where it is processed, and when assembly is ordered it is packaged and made ready for loading. Other material, such as certain types of ordnance gear, is shipped to special bureau depots for processing, and when assembly is ordered, it is shipped to seaboard for loading. Generally, however, material is shipped to the Inland Naval Supply Depots at Clearfield, Utah, or Mechanicsburg, Pennsylvania, where it is processed, checked and tested for operability, and held in an availability or an assembly status until shipment is ordered. It is then sent to a seaboard depot for loading. Practically all BuY&D material is loaded at ABD Fort Huenee, California, or ABD Davisville, Rhode Island. Other bureaus' material is usually loaded at NSD Oakland, California, NSD Norfolk, Virginia, and NSD Bayonne, New Jersey.

11. CNO's Advanced Base Schedules.—To obtain the complete picture of what is available, Area Commanders are referred to CNO's Advanced Base Schedules which are issued monthly. On Schedule I, all Advanced Base Organizations being assembled are listed together with the Functional Components which they contain. Schedule II lists the Standard Advanced Base Units that will become available in the future and Schedule III lists the individual Functional Components that will be available in the future. These schedules are available upon request to CNO (Op30).

12. Dominant Bureaus.—To assist CNO in the formulation of each Functional Component, one Bureau has been designated as the Dominant Bureau for that component. The Bureau so designated is the one which has the major interest in the materials of that component. It is the duty of the Dominant Bureau to confer with all contributing Bureaus to the end that the material contributed by all is adequate. The Summary of Functional Components on page 7 lists the Dominant Bureaus.

13. Advanced Base Initial Outfitting Lists (Abridged).—For a more detailed description of Functional Components Area Commanders are referred to the Advanced Base Initial Outfitting Lists (Abridged) frequently referred to as "the Abridged I. O. L." This is a single volume weighing 2½ lbs. edited and issued by BuSandA under the direction of CNO. The lists are complete to the extent that they show all the equipment for each component in considerably more detail than in this catalogue, omitting only the itemized lists of minor items, such as, spare parts, hand tools, office supplies, etc. The Abridged I. O. L. is designed for planning purposes and is not suitable as an assembly or shipping list or a ship's manifest. Revised editions are published quarterly. Requests for this publication should be made to CNO (Op30).

14. Advanced Base Initial Outfitting Lists (Detailed).—For detailed reference purposes material lists for each component are available, known as the Advanced Base Initial Outfitting
Lists (Detailed)—"the Detailed I. O. L." Each Bureau's contribution to all Functional Components is set forth in a separate volume or set of volumes. These lists are compiled by each Bureau and placed on I. B. M. punch cards by BuSandA under CNO direction. These lists are completely itemized tabulations of the equipment in each component and are revised periodically. The Detailed I. O. L.'s are designed for use by planning staffs who desire more detailed information than is available in the Abridged I. O. L. and for use by the Service Forces as an aid in requisitioning individual items of material. Requests for these publications should be made to CNO (Op30).

14A. Functional Component Assembly Lists.—For assembly and shipping purposes, BuSandA prepares Functional Component Assembly Lists from the I. B. M. punch cards and distributes them to the cognizant assembly depots in advance of the assembly date. Copies of these lists are provided to the officers-in-charge of all components.

15. Organization of Units.—The Area Commander may make such consolidation of functional components as is necessary for the efficient operation of the base to which they are attached.

16. Other Publications.—Those interested in advanced bases are referred to the following publications issued by CNO for additional information:

- Manual of Training for Advanced Base Units and Training Activities (OpNav30-11-A3)
- Base Defense Manual (NDP2A)

17. Amendments.—Changes or additions to these components or units will be made by letter as the need arises. On the first of each month all interested commands are advised of these changes in a "Summary of Changes" letter. Once every three months printed amendments incorporating all of the letter changes will be mailed to each catalogue holder—PROVIDING HE HAS RETURNED TO CNO (Op30) A RECEIPT FOR THIS CATALOGUE AND ALL AMENDMENTS HE HAS RECEIVED.
GLOSSARY
ASSEMBLY TERMS

The following terms are used in connection with CNO's Advanced Base Schedules and the assembly and shipping of Functional Components.

AVAILABILITY DATE.—Availability date is the date on which an Advanced Base Organization is in the Available Condition, which is:
(a) All personnel available, with both preliminary and technical training completed, at suitable points selected by BuPers until ordered to be assembled for tactical training by CNO;
(b) All material completely and finally inspected and tested, properly labeled to identify the contents, packed for overseas shipment, and located at depots selected by the responsible Bureaus until ordered to be assembled by CNO.

ASSEMBLY DATE.—Assembly date is the date on which an Advanced Base Organization is in the Assembled Condition, which is:
(a) All Personnel under CNO control at the assembly point designated by CNO and beginning organization and tactical training;
(b) All material transferred from Available Condition, appropriately marked, and assembled into functional components at CNO specified depots.

READY DATE.—Ready date is the date on which an Advanced Base Organization is in the Ready (for overseas shipment) Condition, which is, in the Assembled Condition at points designated by DABOP or DABOA, plus tactical training and organization completed and fully ready for loading for overseas shipment, excepting only that the personnel must be specially equipped for the destination assigned and that the material must be labeled with the echelon and destination data.

LOADING DATE.—Loading date is the date on which an Advanced Base Organization or echelon is ordered to start loading for overseas shipment.

AVIATION TERMS

The following terms are used in connection with aviation facilities:

CASU.—A trained shore based carrier Air Group Service Personnel Unit whose function is to support the flight operations of a shore-based Carrier Air Group including the operation of all facilities, servicing, rearming, minor repairs, and routine upkeep and all necessary administrative duties. A Casu has no equipment but depends on the equipment and facilities of an Acorn.

PATSU.—A detachment of the Fleet Air Wing Headquarters Squadron which performs the functions of that Squadron for a detached part of the Wing.

FLEET AIR WING HEADQUARTERS SQUADRON.—All enlisted personnel of a patrol wing who are not part of the combat flight crews. It includes all officers not members of the wing staff or the combat flight crews. It may include certain officers of the wing staff who are performing additional duties in the headquarters squadron. It contains personnel and equipment adequate to support the flight operations of the aircraft attached to the operational command of the wing including the operation of the facilities provided, line maintenance, servicing, rearming, minor repair and routine upkeep and to perform all necessary administrative duties.

MINOR REPAIR AND ROUTINE UPKEEP (AVIATION).—All repairs not requiring extensive shop equipment. They include engine changes; inspection, adjustment and replacement of structural parts; inspection adjustment and replacement of engine parts (including engine accessories) outside the crank case assembly; replacement of defective instruments; in fact, all adjustments, repairs or replacements that can be accomplished in the field including cleaning and painting.
MAJOR REPAIRS (AVIATION).—Any repairs requiring extensive shops or specialized shop equipment. The equipment and specialized personnel to accomplish major repairs are similar to that required for major overhaul.

MAJOR OVERHAUL.—(Airplane overhaul).—The disassembly, inspection, and repair of, and incorporation of mandatory changes in, and aircraft structure. It includes the replacement of engines, accessories, instruments, radio and ordnance equipment with similar new or overhauled items to the end that the overhauled airplane be restored to a condition closely approximating its original performance and strength.

OVERHAUL.—The complete disassembly, inspection, and replacement or repair of parts (together with the incorporation of prescribed changes) of an airplane subassembly or equipment item in order to restore that component to approximately its original state, is termed overhaul. This term applies to engines, propellers, instruments, radio and ordnance equipment and structural parts and to all other airplane and engine accessories.

SERVICING.—The replenishment of the supply of fuel, oil, oxygen, food, and other consumable items in order to prepare an airplane for flight. It includes line maintenance and excludes rearming.

ARMING AND REARMING.—An operation that replenishes an airplane with prescribed stores of ammunition, bombs, and other armament items including replacement of defective ordnance equipment, in order to make the plane ready for combat service.

REPLACEMENTS.—The replacement of any part of a plane including engine and structural units.
### SUMMARY OF FUNCTIONAL COMPONENTS

<table>
<thead>
<tr>
<th>Code</th>
<th>Components</th>
<th>Dominant bureau</th>
<th>Personnel per component</th>
<th>Approximate weight, long tons</th>
<th>Approximate cubic measurements</th>
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</tr>
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<td>A</td>
<td>ADMINISTRATION</td>
<td></td>
<td>Officers: 9 Men: 94</td>
<td>Y &amp; D</td>
<td>140</td>
<td>450</td>
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<tr>
<td>A1</td>
<td>Administration (large)</td>
<td>Y &amp; D</td>
<td>9</td>
<td>94</td>
<td>140</td>
<td>450</td>
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<td>A2</td>
<td>Administration (medium)</td>
<td>Y &amp; D</td>
<td>7</td>
<td>55</td>
<td>95</td>
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<td>A3</td>
<td>Administration (small)</td>
<td>Y &amp; D</td>
<td>4</td>
<td>39</td>
<td>55</td>
<td>200</td>
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<td>A4</td>
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<td>Y &amp; D</td>
<td>2</td>
<td>8</td>
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<td>125</td>
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<tr>
<td>A5</td>
<td>Intelligence Office (large)</td>
<td>Y &amp; D</td>
<td>3</td>
<td>6</td>
<td>8</td>
<td>19</td>
</tr>
<tr>
<td>A6</td>
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<td>Y &amp; D</td>
<td>2</td>
<td>3</td>
<td>10</td>
<td>25</td>
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<tr>
<td>A7</td>
<td>Shore Patrol Company HQ</td>
<td>Y &amp; D</td>
<td>3</td>
<td>20</td>
<td>30</td>
<td>70</td>
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<tr>
<td>A8</td>
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<td>0</td>
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<td>60</td>
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<td>Harbor Patrol</td>
<td>Ships</td>
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<td>28</td>
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<td>B3</td>
<td>Underwater Detection</td>
<td>Ships</td>
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<td>36</td>
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<td>14</td>
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<td>Y &amp; D</td>
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<tr>
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<td>C1</td>
<td>Radio Sta-Oper Base (large)</td>
<td>Ships</td>
<td>7</td>
<td>42</td>
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<td>122</td>
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<td>22</td>
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<td>12</td>
<td>12</td>
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<td>23</td>
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<tr>
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<td>34</td>
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<td>22</td>
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<td>Y &amp; D</td>
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<td>40</td>
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<td>200</td>
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Amendment No. 3
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### SUMMARY OF FUNCTIONAL COMPONENTS—Continued

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Amendment No. 3
## SUMMARY OF FUNCTIONAL COMPONENTS—Continued

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### P. CONSTRUCTION AND PUBLIC WORKS

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Amendment No. 3
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|                  | LION totals                                  | 225             | 3,494         | 57,554     | 107,730                  |
|                  | Construction Battalions (Special)            | 1               | 34            | 1,664       | 1,500                    | 3,500                        | 81       |
|                  | Construction Battalion (Regular)             | 3               | 116           | 3,787       | 6,773                    | 18,193                       | 149      |

**LION and CB's total**

- Total: 375
- Total (in thousands): 8,345, 66,127, 129,423

Amendment No. 3
A CUB is an Advanced Base Unit consisting of all the personnel and material necessary for the establishment of a medium sized advanced fuel and supply base. It does not contain ship repair facilities. It is made up of a number of Functional Components which enable it to provide logistic support for a small task group of light forces and to operate an active port. For its own use it contains adequate harbor defense, communication, supply, disbursing, boat repair, medical, ordnance and base maintenance facilities.

The installation of a CUB Unit requires the services of Construction Battalions. One-half of a CB (Special) should be assigned to assist in the unloading operation and two (2) CB’s should be assigned to construct the base facilities. If CB’s are not available in the Area, they will be shipped from the U. S.

A standard CUB for use in planning is outlined below.

**STANDARD CUB**

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Storage and Supply Facilities (Medium) | 1 | 30 | 350 | 5,000 | 10,000 | 56 |

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Amendment No. 3
An ACORN is an Advanced Base Unit consisting of all the personnel and material necessary for the establishment of an advanced air base. It is made up of a number of Functional Components which, when augmented by a Casu or a Patsu, enable it to service, rearm, and perform minor repairs and routine upkeep for the planes of one carrier group, its equivalent, or one patrol plane squadron. Without the Casu or Patsu the ACORN can maintain the base facilities in operating condition and service casual planes. For its own use as well as for the flight crews and Casu or Patsu it contains adequate communication, supply, disbursing, medical, ordnance, housing and messing facilities.

The installation of an ACORN requires the services of a Construction Battalion to construct the base facilities. ACORN personnel are trained to unload their own gear from landing ships and landing craft.

A standard LANDPLANE-ACORN and a standard SEAPLANE-ACORN for use in planning an airfield or a seadrome are outlined on the two pages following.
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Landplane-ACORN total: 42 778 14,913 22,830
## STANDARD SEAPLANE-ACORN

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<td>0</td>
<td>81</td>
<td>800</td>
<td>1,700</td>
<td>134</td>
</tr>
<tr>
<td>N8B</td>
<td>Camp Bldgs. (1,000 Men)—Tropical</td>
<td>1</td>
<td>0</td>
<td>0</td>
<td>525</td>
<td>625</td>
<td>135</td>
</tr>
<tr>
<td>N9</td>
<td>Base Recreation</td>
<td>1</td>
<td>0</td>
<td>0</td>
<td>3</td>
<td>6</td>
<td>136</td>
</tr>
<tr>
<td>P5</td>
<td>Base Maintenance</td>
<td>1</td>
<td>7</td>
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<td>450</td>
<td>1,400</td>
<td>142</td>
</tr>
<tr>
<td>P6C</td>
<td>Decontam. and Camouflage (Small)</td>
<td>1</td>
<td>0</td>
<td>0</td>
<td>75</td>
<td>200</td>
<td>143</td>
</tr>
<tr>
<td>P12A</td>
<td>Fire Protection—Basic</td>
<td>4</td>
<td>1</td>
<td>4</td>
<td>40</td>
<td>120</td>
<td>146</td>
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<tr>
<td>P12B</td>
<td>Fire Protection—Airfield</td>
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<td>8</td>
<td>20</td>
<td>146</td>
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<td>P12D</td>
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<td>6</td>
<td>20</td>
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<tr>
<td>P13</td>
<td>Spare Parts</td>
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<td>0</td>
<td>85</td>
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<td>148</td>
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<tr>
<td>Q1</td>
<td>Rapid Landing Gear</td>
<td>1</td>
<td>0</td>
<td>0</td>
<td>960</td>
<td>2,125</td>
<td>149</td>
</tr>
<tr>
<td>Q2</td>
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<td>0</td>
<td>0</td>
<td>8</td>
<td>24</td>
<td>149</td>
</tr>
</tbody>
</table>

Seaplane-ACORN total: 38 officers, 773 men, 8,809 long tons, 20,498 tons.

Amendment No. 3
GROPCAC

A GROPCAC is a commissioned Naval organization designed to install and operate harbor and waterfront facilities and to provide certain harbor defenses for an advanced base. It normally provides for: the unloading of ships; installation and maintenance of navigational aids, piers, moorings, net defenses and underwater sound detection; the repair of small craft and harbor equipment; the operation of a harbor defense patrol; and the provision of a boat pool for use within the harbor. It provides, also, for its own administrative, communications, medical, and housing needs.

GROPCACs vary materially from each other in size and composition since each is individually designed to meet the needs of a particular island or area.

The installation of a GROPCAC requires the services of Construction Battalions. One-fourth of a CB (Special) should be assigned to assist in the unloading and one-half a CB should be assigned to construct the base facilities.

A standard GROPCAC for use in planning is outlined below.

### STANDARD GROPCAC

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Number required</th>
<th>Total officers</th>
<th>Total men</th>
<th>Approximate long tons</th>
<th>Approximate movement tons</th>
</tr>
</thead>
<tbody>
<tr>
<td>A3</td>
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<td>1</td>
<td>4</td>
<td>39</td>
<td>55</td>
<td>200</td>
</tr>
<tr>
<td>B2B</td>
<td>Harbor Patrol</td>
<td>1</td>
<td>1</td>
<td>28</td>
<td>150</td>
<td>210</td>
</tr>
<tr>
<td>B4B</td>
<td>Port Director (Small)</td>
<td>1</td>
<td>1</td>
<td>5</td>
<td>5</td>
<td>1,200</td>
</tr>
<tr>
<td>B5A</td>
<td>Boat Pool</td>
<td>1</td>
<td>1</td>
<td>5</td>
<td>215</td>
<td>450</td>
</tr>
<tr>
<td>B5B</td>
<td>Barge Pool</td>
<td>1</td>
<td>0</td>
<td>28</td>
<td>900</td>
<td>3,100</td>
</tr>
<tr>
<td>D1O</td>
<td>Storage and Supply (Small)</td>
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<td>3</td>
<td>26</td>
<td>550</td>
<td>880</td>
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<td>D27</td>
<td>Disbursing Office (Small)</td>
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<td>1</td>
<td>5</td>
<td>6</td>
<td>9</td>
</tr>
<tr>
<td>E8</td>
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<td>1</td>
<td>4</td>
<td>102</td>
<td>790</td>
<td>1,900</td>
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<td>Repair—AmphibCraft (Motorized)</td>
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<td>60</td>
<td>200</td>
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<tr>
<td>G10</td>
<td>Dispensary—10 Bed—Mobile</td>
<td>2</td>
<td>2</td>
<td>6</td>
<td>22</td>
<td>72</td>
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<tr>
<td>J4C</td>
<td>Base Demolition</td>
<td>1</td>
<td>0</td>
<td>0</td>
<td>1</td>
<td>4</td>
</tr>
<tr>
<td>N1A</td>
<td>Camp (250 Men)—Tents</td>
<td>2</td>
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<td>50</td>
<td>430</td>
<td>940</td>
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<tr>
<td>N9</td>
<td>Base Recreation</td>
<td>1</td>
<td>0</td>
<td>0</td>
<td>1</td>
<td>2</td>
</tr>
<tr>
<td>P12A</td>
<td>Fire Protection—Basic</td>
<td>2</td>
<td>0</td>
<td>2</td>
<td>20</td>
<td>60</td>
</tr>
<tr>
<td>P12C</td>
<td>Fire Protection—Waterfront</td>
<td>1</td>
<td>0</td>
<td>1</td>
<td>3</td>
<td>10</td>
</tr>
<tr>
<td>Q2</td>
<td>Pre-Embarkation (100 Men)</td>
<td>3</td>
<td>0</td>
<td>0</td>
<td>3</td>
<td>9</td>
</tr>
<tr>
<td></td>
<td>GROPCAC total</td>
<td></td>
<td>21</td>
<td>315</td>
<td>4,316</td>
<td>12,946</td>
</tr>
<tr>
<td>F1</td>
<td>Construction Battalion (Special)</td>
<td>£££</td>
<td>9</td>
<td>206</td>
<td>375</td>
<td>875</td>
</tr>
<tr>
<td>P1</td>
<td>Construction Battalion (Regular)</td>
<td>£££</td>
<td>17</td>
<td>641</td>
<td>988</td>
<td>2,599</td>
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<tr>
<td></td>
<td>GROPCAC &amp; CB’s total</td>
<td></td>
<td>47</td>
<td>1,122</td>
<td>5,659</td>
<td>16,420</td>
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Amendment No. 3
## STANDARD AIRCRAFT REPAIR AND ENGINE OVERHAUL UNIT

Complete base facilities for the overhaul of 100 aircraft engines per month, the repair, modification and test of aircraft, aircraft engines and all classes of aeronautical material.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Number required</th>
<th>Total officers</th>
<th>Total men</th>
<th>Approximate direct labor hours</th>
<th>Approximate direct labor tons</th>
<th>Page No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>A3</td>
<td>Administration (Small)</td>
<td>1</td>
<td>4</td>
<td>39</td>
<td>55</td>
<td>290</td>
<td>30</td>
</tr>
<tr>
<td>D10</td>
<td>Storage and Supply (Small)</td>
<td>1</td>
<td>3</td>
<td>26</td>
<td>550</td>
<td>850</td>
<td>60</td>
</tr>
<tr>
<td>D22</td>
<td>Disbursing Office (Small)</td>
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<td>1</td>
<td>5</td>
<td>6</td>
<td>9</td>
<td>63</td>
</tr>
<tr>
<td>G7</td>
<td>Dispensary—50 Bed</td>
<td>1</td>
<td>4</td>
<td>64</td>
<td>275</td>
<td>500</td>
<td>84</td>
</tr>
<tr>
<td>H3</td>
<td>Aircraft Repair and Overhaul</td>
<td>1</td>
<td>23</td>
<td>744</td>
<td>4,300</td>
<td>6,700</td>
<td>90</td>
</tr>
<tr>
<td>H14D</td>
<td>Ready Avgas Storage</td>
<td>1</td>
<td>0</td>
<td>0</td>
<td>18</td>
<td>100</td>
<td>97</td>
</tr>
<tr>
<td>N6C</td>
<td>Bakery (1,000 Men)</td>
<td>1</td>
<td>0</td>
<td>6</td>
<td>28</td>
<td>40</td>
<td>133</td>
</tr>
<tr>
<td>N7A</td>
<td>Camp (1,000 Men)—Tents</td>
<td>1</td>
<td>0</td>
<td>81</td>
<td>800</td>
<td>1,700</td>
<td>154</td>
</tr>
<tr>
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<td>Camp Buildings (1,000 Men)—Tropical</td>
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<td>0</td>
<td>0</td>
<td>525</td>
<td>625</td>
<td>155</td>
</tr>
<tr>
<td>N9</td>
<td>Base Recreation</td>
<td>1</td>
<td>0</td>
<td>0</td>
<td>3</td>
<td>6</td>
<td>136</td>
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<tr>
<td>P5</td>
<td>Base Maintenance</td>
<td>1/2</td>
<td>4</td>
<td>135</td>
<td>225</td>
<td>700</td>
<td>142</td>
</tr>
<tr>
<td>P6B</td>
<td>Decontam. and Camouflage (Medium)</td>
<td>1</td>
<td>0</td>
<td>0</td>
<td>150</td>
<td>400</td>
<td>143</td>
</tr>
<tr>
<td>P12A</td>
<td>Fire Protection—Basic</td>
<td>2</td>
<td>0</td>
<td>2</td>
<td>20</td>
<td>60</td>
<td>146</td>
</tr>
<tr>
<td>Q2</td>
<td>Pre-Embarcation (100 Men)</td>
<td>11</td>
<td>0</td>
<td>0</td>
<td>11</td>
<td>33</td>
<td>149</td>
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</table>

**Unit total:**

39 1,102 6,964 11,963

## STANDARD AIRCRAFT REPAIR UNIT

Complete base facilities for the complete repair and test of aircraft and the overhaul of propellers and accessories. It will not overhaul engines.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Number required</th>
<th>Total officers</th>
<th>Total men</th>
<th>Approximate direct labor hours</th>
<th>Approximate direct labor tons</th>
<th>Page No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>A3</td>
<td>Administration (Small)</td>
<td>1</td>
<td>4</td>
<td>39</td>
<td>55</td>
<td>290</td>
<td>30</td>
</tr>
<tr>
<td>D10</td>
<td>Storage and Supply (Small)</td>
<td>1</td>
<td>3</td>
<td>26</td>
<td>550</td>
<td>850</td>
<td>60</td>
</tr>
<tr>
<td>D22</td>
<td>Disbursing Office (Small)</td>
<td>1</td>
<td>1</td>
<td>5</td>
<td>6</td>
<td>9</td>
<td>63</td>
</tr>
<tr>
<td>G7</td>
<td>Dispensary—50 Bed</td>
<td>1</td>
<td>4</td>
<td>64</td>
<td>275</td>
<td>500</td>
<td>84</td>
</tr>
<tr>
<td>H3B</td>
<td>Aircraft Repair</td>
<td>1</td>
<td>19</td>
<td>459</td>
<td>3,100</td>
<td>4,200</td>
<td>92</td>
</tr>
<tr>
<td>H14D</td>
<td>Ready Avgas Storage</td>
<td>1</td>
<td>0</td>
<td>0</td>
<td>19</td>
<td>100</td>
<td>97</td>
</tr>
<tr>
<td>N1A</td>
<td>Camp (250 Men)—Tents</td>
<td>3</td>
<td>0</td>
<td>75</td>
<td>645</td>
<td>1,410</td>
<td>127</td>
</tr>
<tr>
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<td>0</td>
<td>450</td>
<td>669</td>
<td>132</td>
</tr>
<tr>
<td>N6C</td>
<td>Bakery (1,000 Men)</td>
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<td>0</td>
<td>0</td>
<td>3</td>
<td>6</td>
<td>136</td>
</tr>
<tr>
<td>N9</td>
<td>Base Recreation</td>
<td>1/2</td>
<td>4</td>
<td>135</td>
<td>225</td>
<td>700</td>
<td>142</td>
</tr>
<tr>
<td>P6B</td>
<td>Decontam. and Camouflage (Medium)</td>
<td>1</td>
<td>0</td>
<td>0</td>
<td>150</td>
<td>400</td>
<td>143</td>
</tr>
<tr>
<td>P12A</td>
<td>Fire Protection—Basic</td>
<td>2</td>
<td>0</td>
<td>2</td>
<td>20</td>
<td>60</td>
<td>146</td>
</tr>
<tr>
<td>Q2</td>
<td>Pre-Embarcation (100 Men)</td>
<td>8</td>
<td>0</td>
<td>0</td>
<td>8</td>
<td>24</td>
<td>149</td>
</tr>
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</table>

**Unit total:**

85 811 5,531 9,198

Amendment No. 3
### STANDARD ENGINE OVERHAUL UNIT

Complete base facilities for the overhaul of 100 aircraft engines per month and for the overhaul of propellers and accessories. It will not make repairs to the aircraft itself.

<table>
<thead>
<tr>
<th>Components</th>
<th>Number required</th>
<th>Total officers</th>
<th>Total men</th>
<th>Approximate long tons</th>
<th>Approximate measurement, tons</th>
<th>Page No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>A3</td>
<td>Administration (Small)</td>
<td>1</td>
<td>4</td>
<td>39</td>
<td>55</td>
<td>200</td>
</tr>
<tr>
<td>D10</td>
<td>Storage and Supply (Small)</td>
<td>1</td>
<td>3</td>
<td>26</td>
<td>550</td>
<td>850</td>
</tr>
<tr>
<td>D22</td>
<td>Disbursing Office (Small)</td>
<td>1</td>
<td>1</td>
<td>5</td>
<td>6</td>
<td>9</td>
</tr>
<tr>
<td>G7</td>
<td>Dispensary—50 Bed</td>
<td>1</td>
<td>4</td>
<td>64</td>
<td>275</td>
<td>500</td>
</tr>
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<td>5,300</td>
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<td>100</td>
</tr>
<tr>
<td>N1A</td>
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<td>75</td>
<td>645</td>
<td>1,410</td>
</tr>
<tr>
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<td>0</td>
<td>450</td>
<td>669</td>
</tr>
<tr>
<td>N6C</td>
<td>Bakery (1,000 Men)</td>
<td>1</td>
<td>0</td>
<td>6</td>
<td>28</td>
<td>40</td>
</tr>
<tr>
<td>N9</td>
<td>Base Recreation</td>
<td>1</td>
<td>0</td>
<td>0</td>
<td>3</td>
<td>6</td>
</tr>
<tr>
<td>P5</td>
<td>Base Maintenance</td>
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<td>4</td>
<td>135</td>
<td>225</td>
<td>700</td>
</tr>
<tr>
<td>P6B</td>
<td>Decontam. and Camouflage (Medium)</td>
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<td>0</td>
<td>0</td>
<td>150</td>
<td>400</td>
</tr>
<tr>
<td>P12A</td>
<td>Fire Protection-Basic</td>
<td>2</td>
<td>0</td>
<td>2</td>
<td>20</td>
<td>60</td>
</tr>
<tr>
<td>Q2</td>
<td>Pre-Embarkation (100 Men)</td>
<td>9</td>
<td>0</td>
<td>0</td>
<td>9</td>
<td>27</td>
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</table>

**Unit total**: 34 847 5,732 10,301

### STANDARD AIRCRAFT AND ENGINE REPAIR UNIT

Complete base facilities for the repair of aircraft and engines and for the overhaul of propellers and accessories of a CV Group or the equivalent multi-engine squadrons.

<table>
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<tr>
<th>Components</th>
<th>Number required</th>
<th>Total officers</th>
<th>Total men</th>
<th>Approximate long tons</th>
<th>Approximate measurement, tons</th>
<th>Page No.</th>
</tr>
</thead>
<tbody>
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<td>20</td>
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<td>Supply (Small)</td>
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<td>1</td>
<td>5</td>
<td>60</td>
<td>100</td>
</tr>
<tr>
<td>D22</td>
<td>Disbursing Office (Small)</td>
<td>1</td>
<td>1</td>
<td>5</td>
<td>6</td>
<td>9</td>
</tr>
<tr>
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<td>Dispensary—25 bed</td>
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<td>1</td>
<td>12</td>
<td>150</td>
<td>300</td>
</tr>
<tr>
<td>H33A</td>
<td>Aircraft and Engine Repair</td>
<td>1</td>
<td>9</td>
<td>202</td>
<td>221</td>
<td>1,140</td>
</tr>
<tr>
<td>N1A</td>
<td>Camp (250 Men)—Tents</td>
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<td>216</td>
<td>470</td>
</tr>
<tr>
<td>N5E</td>
<td>Camp Bldgs (250 Men)—Tropical</td>
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<td>0</td>
<td>0</td>
<td>150</td>
<td>223</td>
</tr>
<tr>
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<td>Base Recreation</td>
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<td>0</td>
<td>0</td>
<td>2</td>
<td>4</td>
</tr>
<tr>
<td>P6C</td>
<td>Decontam. &amp; Camouflage (Medium)</td>
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<td>0</td>
<td>0</td>
<td>75</td>
<td>200</td>
</tr>
<tr>
<td>P12A</td>
<td>Fire Protection-Basic</td>
<td>1</td>
<td>0</td>
<td>1</td>
<td>10</td>
<td>30</td>
</tr>
<tr>
<td>Q2</td>
<td>Pre-Embarkation (100 Men)</td>
<td>3</td>
<td>0</td>
<td>0</td>
<td>3</td>
<td>9</td>
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**Unit total**: 14 258 912 2,610

Amendment No. 3
**NATS LANDPLANE UNIT**

Outfits an airfield for the initial operation of land based transport aircraft in a forward area.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Number required</th>
<th>Total officers</th>
<th>Total men</th>
<th>Approximate long tons</th>
<th>Approximate measurements</th>
<th>Page No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>C15*</td>
<td>Radio Sta-Air Base Utility (Large)</td>
<td>1</td>
<td>2</td>
<td>10</td>
<td>44</td>
<td>123</td>
<td>52</td>
</tr>
<tr>
<td>H22</td>
<td>Air Transport Operations (Landplane)</td>
<td>1</td>
<td>#</td>
<td>#</td>
<td>112</td>
<td>219</td>
<td>108</td>
</tr>
<tr>
<td>N2A</td>
<td>Camp (100 men)—Tents</td>
<td>1</td>
<td>0</td>
<td>14</td>
<td>139</td>
<td>272</td>
<td>129</td>
</tr>
<tr>
<td>N4A</td>
<td>Camp (25 men)—Tents</td>
<td>1</td>
<td>0</td>
<td>3</td>
<td>71</td>
<td>143</td>
<td>131</td>
</tr>
</tbody>
</table>

Unit total

| 2      | 27     | 366    | 757      |

*Radio Stations must be specifically requested if desired.

#3 officers and 25 men should be provided by transport operator.

---

**NATS SEAPLANE UNIT**

Outfits a seashore for the initial operation of transport seaplanes in an advanced area.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Number required</th>
<th>Total officers</th>
<th>Total men</th>
<th>Approximate long tons</th>
<th>Approximate measurements</th>
<th>Page No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>C15*</td>
<td>Radio Sta-Air Base Utility (Large)</td>
<td>1</td>
<td>2</td>
<td>10</td>
<td>44</td>
<td>123</td>
<td>52</td>
</tr>
<tr>
<td>H28</td>
<td>Air Transport Operation (Seaplane)</td>
<td>1</td>
<td>#</td>
<td>#</td>
<td>500</td>
<td>1,500</td>
<td>108</td>
</tr>
<tr>
<td>N2A</td>
<td>Camp (100 men)—Tents</td>
<td>1</td>
<td>0</td>
<td>14</td>
<td>139</td>
<td>272</td>
<td>139</td>
</tr>
<tr>
<td>N4A</td>
<td>Camp (25 men)—Tents</td>
<td>1</td>
<td>0</td>
<td>3</td>
<td>71</td>
<td>143</td>
<td>131</td>
</tr>
</tbody>
</table>

Unit total

| 2      | 27     | 754    | 2,038     |

*Radio Stations must be specifically requested if desired.

#10 officers and 75 men should be provided by transport operator.

Amendment No. 3
## STANDARD PT BASE UNIT

Complete base facilities for the operations of one squadron of PT Boats. This Unit does not contain major engine overhaul facilities. If they are desired an E12 Component should be added to this Unit.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Number required</th>
<th>Total num</th>
<th>Approximate long tons</th>
<th>Approximate measurement tons</th>
<th>Page No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>A4</td>
<td>Administration (PT Base)</td>
<td>1</td>
<td>2</td>
<td>8</td>
<td>20</td>
<td>125</td>
</tr>
<tr>
<td>C3</td>
<td>Radio Sta.—Oper. Base (Small)</td>
<td>1</td>
<td>1</td>
<td>13</td>
<td>20</td>
<td>40</td>
</tr>
<tr>
<td>C8</td>
<td>Visual Sta.—Oper. Base (Small)</td>
<td>1</td>
<td>0</td>
<td>*0</td>
<td>9</td>
<td>23</td>
</tr>
<tr>
<td>D9</td>
<td>Petroleum Products</td>
<td>1</td>
<td>0</td>
<td>0</td>
<td>3,000</td>
<td>3,750</td>
</tr>
<tr>
<td>D15</td>
<td>Cobbler &amp; Tailor Shop (Small)</td>
<td>1</td>
<td>0</td>
<td>5</td>
<td>25</td>
<td>50</td>
</tr>
<tr>
<td>D22</td>
<td>Disbursing Office (Small)</td>
<td>1</td>
<td>1</td>
<td>5</td>
<td>6</td>
<td>9</td>
</tr>
<tr>
<td>E11</td>
<td>PT Operating Base Repair</td>
<td>1</td>
<td>3</td>
<td>131</td>
<td>1,000</td>
<td>2,500</td>
</tr>
<tr>
<td>G10</td>
<td>Dispensary—10 Bed—Mobile</td>
<td>1</td>
<td>1</td>
<td>3</td>
<td>11</td>
<td>36</td>
</tr>
<tr>
<td>J2</td>
<td>Base Machine Gun Component</td>
<td>1</td>
<td>1</td>
<td>3</td>
<td>21</td>
<td>27</td>
</tr>
<tr>
<td>J4C</td>
<td>Base Demolition</td>
<td>1</td>
<td>0</td>
<td>0</td>
<td>1</td>
<td>4</td>
</tr>
<tr>
<td>J5C</td>
<td>Torpedo Depot (Small)</td>
<td>1</td>
<td>1</td>
<td>10</td>
<td>150</td>
<td>510</td>
</tr>
<tr>
<td>J15A</td>
<td>Personal Equipment for Enlisted</td>
<td>2</td>
<td>0</td>
<td>0</td>
<td>4</td>
<td>22</td>
</tr>
<tr>
<td>J15B</td>
<td>Personal Equipment for Officers</td>
<td>10</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>N1A</td>
<td>Camp (250 Men)—Tents</td>
<td>2</td>
<td>0</td>
<td>50</td>
<td>450</td>
<td>940</td>
</tr>
<tr>
<td>N5B</td>
<td>Camp Bldg., (250 Men)—Tropical</td>
<td>2</td>
<td>0</td>
<td>0</td>
<td>300</td>
<td>446</td>
</tr>
<tr>
<td>N9</td>
<td>Base Recreation</td>
<td>1</td>
<td>0</td>
<td>0</td>
<td>1</td>
<td>2</td>
</tr>
<tr>
<td>P6D</td>
<td>Decontam. and Camouflage (PT Base)</td>
<td>1</td>
<td>0</td>
<td>0</td>
<td>40</td>
<td>100</td>
</tr>
<tr>
<td>P12A</td>
<td>Fire Protection—Basic</td>
<td>1</td>
<td>0</td>
<td>1</td>
<td>10</td>
<td>30</td>
</tr>
<tr>
<td>Q2</td>
<td>Pre-Embarkation (100 Men)</td>
<td>2</td>
<td>0</td>
<td>0</td>
<td>2</td>
<td>6</td>
</tr>
</tbody>
</table>

*Material only—no personnel.

*When two squadrons are contemplated as a basis for planning a PT Base Unit, the above composition should be augmented by the following: one N1A, one N5B, one G8 in lieu of one G10, one pontoon pier and one pontoon drydock in the E11.

Amendment No. 3
STANDARD LANDING CRAFT UNIT

A Standard Landing Craft Unit is designed to provide landing boats and operating personnel to accommodate a battalion landing team in training or combat. The maintenance personnel provided is adequate for normal upkeep purposes.

<table>
<thead>
<tr>
<th>Components</th>
<th>Number required</th>
<th>Total Officers</th>
<th>Total Tons</th>
<th>Approximate long tons</th>
<th>Approximate measure, tons</th>
<th>Page No.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>MAINTENANCE GROUP:</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>A3. Administrative (Small)</td>
<td>1</td>
<td>4</td>
<td>39</td>
<td>55</td>
<td>200</td>
<td>30</td>
</tr>
<tr>
<td>E10. S. L. C. U. Maintenance Component</td>
<td>1</td>
<td>5</td>
<td>199</td>
<td>1,000</td>
<td>2,500</td>
<td>73A</td>
</tr>
<tr>
<td>G10. Dispensary—10 Bed—Mobile</td>
<td>1</td>
<td>1</td>
<td>3</td>
<td>11</td>
<td>36</td>
<td>85</td>
</tr>
<tr>
<td>G14. Sub-Dispensary Dental—Mobile</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>0</td>
<td>0</td>
<td>86</td>
</tr>
<tr>
<td>J2. Base Machine Gun Component</td>
<td>1</td>
<td>1</td>
<td>3</td>
<td>21</td>
<td>27</td>
<td>109</td>
</tr>
<tr>
<td>J15A. Personal Equipment for Enlisted</td>
<td>1½</td>
<td>0</td>
<td>0</td>
<td>3</td>
<td>17</td>
<td>125</td>
</tr>
<tr>
<td>J15B. Personal Equipment for Officers</td>
<td>10</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>125</td>
</tr>
<tr>
<td>N1A. Camp (250 Men)—Tents</td>
<td>2</td>
<td>0</td>
<td>50</td>
<td>430</td>
<td>940</td>
<td>127</td>
</tr>
<tr>
<td>N9. Base Recreation</td>
<td>1</td>
<td>0</td>
<td>0</td>
<td>1</td>
<td>2</td>
<td>138</td>
</tr>
<tr>
<td>Maintenance Group Total</td>
<td></td>
<td>12</td>
<td>295</td>
<td>1,621</td>
<td>3,722</td>
<td></td>
</tr>
<tr>
<td><strong>OPERATING GROUP:</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>(Assigned at direction of CNO. Does not contain any component)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1. Personnel</td>
<td></td>
<td>21</td>
<td>263</td>
<td>2,051</td>
<td>*0</td>
<td></td>
</tr>
<tr>
<td>2. Craft:</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>48—30' boats</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>12—LCM (3)'s</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>60—Total</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>*0</td>
</tr>
<tr>
<td><strong>Unit total</strong></td>
<td></td>
<td>33</td>
<td>558</td>
<td>3,572</td>
<td>3,722</td>
<td></td>
</tr>
</tbody>
</table>

*Deck cargo only—85,000 square feet.

Amendment No. 3
FLEET SUPPLY UNIT

An Advanced Base Unit for the establishment of a complete supply facility. This unit contains a D1 as a nucleus and possesses only those additional components which contribute directly toward the supply operation. No "A" Component is assigned as these functions can be performed by the D1.

It is to be emphasized that this Fleet Supply Unit not only provides storage buildings, personnel and equipment, but also the stores or supplies to fill these buildings. Adequate space is provided to store enough base consumables to maintain a LION-type base, and, in addition, to store the following:

(a) Fresh provisions, 60,000 men for 30 days
(b) Dry provisions, 60,000 men for 90 days
(c) Clothing and Small Stores, 60,000 men for 90 days
(d) Ship's Stores, 60,000 men for 90 days
(e) Fleet supplies (GSK) equivalent to ten (10) BBB loads.

Certain other supply facilities can be provided as part of the Fleet Supply Unit upon request.

STANDARD FLEET SUPPLY UNIT

| Code | Title                               | Number req'd | Total officers | Total men | Approximate long tons | Approximate measurement tons | Page No.
|------|-------------------------------------|--------------|----------------|-----------|-----------------------|----------------------------|---------
| B5A  | Boat Pool                           | 1            | 1              | 5         | 215                   | 450                        | 39      
| B5B  | Barge Pool                          | 1            | 0              | 28        | 900                   | 3,100                      | 39      
| C12  | Internal Communications (large)     | 1            | 0              | 40        | 100                   | 200                        | 51      
| D1   | Storage and Supply (large)          | 1            | 49             | 600       | 12,000                | 19,000                     | 55      
| D2   | Tank Farm (large)                   | 1            | 15             | 1,967     | 3,167                 | 57                         |         
| D9   | Petroleum Products                  | 1            | 0              | 7,000     | 8,750                 | 59                         |         
| D13  | Cobbler and Tailor Shop (large)     | 1            | 0              | 11        | 70                    | 125                        | 61      
| D19  | Material Recovery (large)           | 1            | 2              | 30        | 140                   | 475                        | 62      
| E16  | Oxygen Generating Plant             | 1            | 0              | 12        | 225                   | 300                        | 76      
| E17  | Acetylene Generating Plant          | 1            | 0              | 9         | 160                   | 240                        | 77      
| E19  | Typewriter Repair                   | 1            | 0              | 1         | 7                     | 13                         | 77      
| G7   | Dispensary—50 Bed                   | 1            | 4              | 64        | 275                   | 500                        | 84      
| N6A  | Bakery (3,000 men)                  | 1            | 0              | 18        | 35                    | 49                         | 133     
| N7B  | Camp (1,000 men)—Tropical Huts      | 1            | 0              | 81        | 1,200                 | 2,000                      | 134     
| N9   | Base Recreation                     | 1            | 0              | 9         | 3                     | 6                          | 156     
| P3   | Base Construction Equipment (medium)| 1            | 7              | 270       | 450                   | 1,400                      | 142     
| P5   | Base Maintenance                    | 1            | 0              | 200       | 800                   | 143                        |         
| P6A  | Decontam. and Camouflage (large)    | 4            | 0              | 3,322     | 4,296                 | 145                        |         
| P9   | Wooden Floats                       | 1            | 1              | 4         | 120                   | 146                        |         
| P12C | Fire Protection—Waterfront          | 1            | 0              | 1         | 3                     | 10                         | 147     
| P12E | Fire Protection—Piping              | 1            | 0              | 0         | 4                     | 13                         | 147     
| Q2   | Pre-Embarkation (100 Men)           | 13           | 0              | 0         | 13                    | 39                         | 149     

Unit total: 46,534

| Code | Title                               | Number req'd | Total officers | Total men | Approximate long tons | Approximate measurement tons | Page No.
|------|-------------------------------------|--------------|----------------|-----------|-----------------------|----------------------------|---------
| F1   | Construction Battalion (Special)    | 1            | 34             | 1,064     | 1,500                 | 3,500                      | 81      
| F1   | Construction Battalion (Regular)    | 2            | 65             | 2,164     | 3,870                 | 10,306                     | 140     

Unit and CB total: 60,420

Amendment No. 3
HARBOR DEFENSE UNIT

This unit is a harbor defense organization similar to the one in LIONs and CUBs. It is set forth here as a separate unit so that Area Commanders may order it as such, if they so desire.

The unit coordinates all harbor defense installations to provide the most effective protection. Unified control of operational and attack procedures provides a system of maximum effectiveness for the detection and identification of all craft transiting the harbor entrance and for the attack and destruction of enemy craft attempting penetration.

The organization will be under the supervision of the Harbor Defense Officer. In this unit he will be the senior officer of the A4 Component. In a LION or CUB he will be attached to the A1 or A2.

The "tactical" functional components and the Harbor Defense Officer of each Harbor Defense Unit have been trained together as a coordinated military unit. The harbor defense organization of LIONs and CUBs receive similar training.

It should be noted that this unit is only semi-self supporting with an A4 for administration and a N1A for living facilities. No provision has been made for such facilities as supply, disbursing, dispensary, fire protection, decontamination, camouflage, recreation, etc. These must be provided by the base.

STANDARD HARBOR DEFENSE UNIT

<table>
<thead>
<tr>
<th>Code</th>
<th>Components</th>
<th>Number required</th>
<th>Total officers</th>
<th>Total men</th>
<th>Approximate tonnage</th>
<th>Approximate measurement</th>
<th>Pages No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>A4</td>
<td>Administration</td>
<td>1</td>
<td>2</td>
<td>8</td>
<td>20</td>
<td>125</td>
<td>30</td>
</tr>
<tr>
<td>B1</td>
<td>Harbor Entrance Control Post</td>
<td>1</td>
<td>4</td>
<td>23</td>
<td>40</td>
<td>100</td>
<td>33</td>
</tr>
<tr>
<td>B2A</td>
<td>Harbor Defense A/S Patrol</td>
<td>1</td>
<td>3</td>
<td>33</td>
<td>210</td>
<td>0</td>
<td>34</td>
</tr>
<tr>
<td>B2B</td>
<td>Harbor Patrol</td>
<td>1</td>
<td>1</td>
<td>22</td>
<td>150</td>
<td>210</td>
<td>34</td>
</tr>
<tr>
<td>B3</td>
<td>Underwater Detection</td>
<td>1</td>
<td>3</td>
<td>36</td>
<td>225</td>
<td>500</td>
<td>35</td>
</tr>
<tr>
<td>B7</td>
<td>Surface Detection Radar</td>
<td>1</td>
<td>1</td>
<td>22</td>
<td>70</td>
<td>210</td>
<td>40</td>
</tr>
<tr>
<td>J12B</td>
<td>Net Component</td>
<td>1</td>
<td>3</td>
<td>27</td>
<td>1000</td>
<td>5000</td>
<td>120</td>
</tr>
<tr>
<td>N1A</td>
<td>Camp (250 Men)</td>
<td>1</td>
<td>0</td>
<td>25</td>
<td>215</td>
<td>470</td>
<td>127</td>
</tr>
</tbody>
</table>

Unit total: 17 officers, 209 men, 1930 measurement tons, 6615 pages.
A—ADMINISTRATION COMPONENTS

A1—ADMINISTRATION (LARGE)

Directs and coordinates the activities of a large base such as a Lion. It includes the base personnel office, the base post office and the Captain of the Yard. It is responsible for the smooth and efficient operation of the base under the direction of the commanding officer. It is a clearing house for information within the base and a source of information for outside activities.

Personnel (Approx.):
9 officers (including C. O.) and 94 enlisted—Total 103

(Note: —10 of enlisted complement to be mail specialists. When assigned to a LION the personnel will be 10 officers and 97 enlisted—Total 107)

Material (Major items only):
Housing for offices, brig and post office
Office equipment, machines and supplies
Transportation—bicycles, motorcycles, trucks
Small boats
Projectors for training
Base post office facilities

Weight: Approx. 140 long tons
Cube: Approx. 450 measurement tons

A2—ADMINISTRATION (MEDIUM)

Directs and coordinates the activities of a medium sized base, such as a Cub. It includes the base personnel office, the base post office and the Captain of the Yard. It is responsible for the smooth and efficient operation of the base under the direction of the commanding officer. It is a clearing house for information within the base and a source of information for outside activities.

Personnel (Approx.):
7 officers (including C. O.) and 55 enlisted—Total 62

(Note: —2 of enlisted complement to be mail specialists. When assigned to a CUB the personnel will be 7 officers and 57 enlisted—Total 64)

Material (Major items only):
Housing for offices, brig and post office
Office equipment, machines and supplies
Transportation—trucks
Small boat
Projectors for training
Base post office facilities

Weight: Approx. 95 long tons
Cube: Approx. 260 measurement tons
A3—ADMINISTRATION (SMALL)

Directs and coordinates the activities of a small base such as an Acorn. It includes the base personnel office and the base post office. It is responsible for the smooth and efficient operation of the base under the direction of the commanding officer. It is a clearing house for information within the base and a source of information for outside activities.

Personnel (Approx.):
4 officers (including C. O.) and 39 enlisted—Total 43

Material (Major items only):
- Housing for offices, brig and post office
- Office equipment, machines and supplies
- Transportation—Trucks
- Small boat
- Projectors for training
- Base post office facilities

Weight: Approx. 55 long tons
Cube: Approx. 200 measurement tons

A4—ADMINISTRATION (PT BASE)

Directs and coordinates the activities of a small base such as a P. T. Base. It is responsible for the smooth and efficient operation of the base under the direction of the commanding officer. It is a clearing house for information within the base and a source of information for outside activities.

Personnel (Approx.):
2 officers (including C. O.) and 8 enlisted—Total 10

Material (Major items only):
- Housing for office
- Office equipment, machine and supplies
- Transportation—Truck
- Small boat
- Projectors for training

Weight: Approx. 20 long tons
Cube: Approx. 125 measurement tons

A5—INTELLIGENCE OFFICE (LARGE)

To undertake investigations; establish liaisons and security controls; and carry on such Counter-Intelligence, Combat Intelligence, and boarding and travel control activities as will provide all Intelligence of interest to the Commanding Officer of the Base.

Personnel (Approx.):
3 officers and 6 enlisted—Total 9
(2 of enlisted to be yeomen)

Material (Major items only):
- Transportation equipment—Truck
- Safe and steel file cabinets with locks
- Office supplies and equipment
- Housing—Hut
- Kodak camera and supply of film
- Additional special equipment for an intelligence office

Weight: Approx. 8 long tons
Cube: Approx. 19 measurement tons

Amendment No. 2
A6—INTELLIGENCE OFFICE (MEDIUM)

To undertake investigations; establish liaisons and security controls; and carry on such Counter-Intelligence, Combat Intelligence, and boarding and travel control activities as will provide all Intelligence of interest to the Commanding Officer of the Base.

Personnel (Approx.):
2 officers and 3 enlisted—Total 5
(1 of enlisted to be a yeoman)

Material (Major items only):
Transportation equipment—Truck
Safe and steel file cabinet with locks
Office supplies and equipment
Housing—Hut
Kodak camera and supply of film
Additional special equipment for an intelligence office

Weight: Approx. 10 long tons
Cube: Approx. 25 measurement tons

A7—SHORE PATROL COMPANY HQ

Provides the nucleus of a shore patrol organization for an advanced base. Contains the equipment for one complete shore patrol company, the trained personnel for company headquarters, and petty officers for each of 3 platoons. It is intended that the base commander provide the balance of the officers and enlisted personnel for 3 platoons. The mission of this component will be to administer, train and supervise the assigned personnel in shore patrol duties and to land, if necessary, with the first echelon for the purposes of establishing order, maintaining discipline and guarding naval material and installations on the beach to prevent pilferage.

Personnel (Approx.):

<table>
<thead>
<tr>
<th></th>
<th>Officer</th>
<th>Enlisted</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>For Company HQ</td>
<td>3</td>
<td>11</td>
<td>14</td>
</tr>
<tr>
<td>Three PO's for 3 platoons</td>
<td>-</td>
<td>9</td>
<td>9</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>For Total Component</td>
<td>3</td>
<td>20</td>
<td>23</td>
</tr>
</tbody>
</table>

Note.—In addition to the above personnel, the C. O. of the base will detail to this component one officer and 22 seamen for each platoon—a total of 3 officers and 66 men. The total operating company will then consist of 6 officers and 89 men.

Material (Major items only):
Transportation equipment—Approx. 5 trucks
Office equipment and supplies
Housing—Approx. 2 huts, 20 x 56
Police gear (batons, whistles, etc.) for 90 men
Pistols for 90 men

Note.—If separate camp facilities are not available, a camp component N4A should be ordered to accompany this component.

Weight: Approx. 30 long tons
Cube: Approx. 70 measurement tons
A8—MILITARY GOVERNMENT COMPONENT

Provides a military government organization to administer the civil affairs of occupied territories.

Personnel: None

Material (Major items only):
- Housing for offices
- Office equipment, machines and supplies
- Transportation equipment
- Small boats (to be furnished when specifically requested by Area Commander)

Weight: Approx. 60 long tons
Cube: Approx. 130 measurement tons

A9—MILITARY GOVERNMENT COMPONENT—(SPECIAL)

Provides a military government organization to administer the civil affairs of occupied territories, where the Navy has primary U. S. Military Jurisdiction.

Personnel: None

Material (Major items only):
- Housing for offices
- Office equipment, machines and supplies
- Transportation equipment
- Small boats (to be furnished when specifically requested by Area Commander)

Weight: Approx. 125 long tons
Cube: Approx. 260 measurement tons

A10—LEGAL OFFICE

Performs legal functions at relatively large advanced bases comparable in size to Lions. This is designed to take care of the multifarious legal problems including courts martial and personal legal matters. For use at smaller advanced bases, this component may be tailored down to meet requirements.

Personnel (Approx.):
- 6 officers and 9 enlisted—Total 15

Material (Major items only):
- Publications—Navy Regs, law books, etc.
- Office equipment and supplies
- Transportation—Jeep and bicycle
- Housing—Approx. 2 huts, 20’ x 48’

Weight: Approx. 20 long tons
Cube: Approx. 40 measurement tons
B—HARBOR CONTROL AND DEFENSE COMPONENTS

For additional harbor defense facilities, see Section "J" of this catalogue.

B1—HARBOR ENTRANCE CONTROL POST

A joint command post for the coordination and joint operation of the Army and Navy elements of the harbor defense system. Its mission is: to collect and disseminate information of activities in the defensive sea area; to control unescorted commercial shipping in defensive sea area; and to take prompt and decisive action to operate the elements of the harbor defense in order to deny enemy action within the defensive coastal area. An Army complement of 5 officers and 50 men must be added to the Naval personnel listed below for complete operation of the post.

Personnel (Approx.):
4 officers and 23 enlisted—Total 27

Material (Major items only):
Visual equipment including—
  Searchlights—Two 12 inch
  Signal mast, rigging and flags
  Optical equipment—Telescopes, etc.
Radio equipment including—
  Transmitters (2) for working picket boats (TCR or equivalent)
  Transmitter—Receivers (2) for use on small boats not otherwise equipped
  (TCS or equivalent)
  Receivers (3) for working picket boats (RBG or equivalent)
Navigational equipment
Office equipment and supplies including telegraphic typewriter
Housing—Approx. 4 huts, 20 x 48
Transportation equipment—Trucks, bicycles
Construction materials

Weight: Approx. 40 long tons
Cube: Approx. 100 measurement tons
B2—UNDERWATER DETECTION (LARGE)—Obsoles. See B3.

B2A—HARBOR DEFENSE ANTI-SUBMARINE PATROL

This component maintains a continuous anti-submarine patrol, investigates unidentified ships and reported contacts by detection devices, and attacks and destroys unfriendly vessels attempting to penetrate the harbor defenses. This standard component will be supplied when the exact number of patrol vessels required is not specified.

Personnel (Approx.):
3 officers and 39 enlisted—Total 42. (This complement is based on one officer and 13 men per vessel, and will vary depending upon the vessels assigned.)

Material:
Three A/S patrol vessels. (These will be 83' Coast Guard Cutters or equivalent, gasoline engine drive, speed 18-20 knots and equipped with echo-ranging gear, SF radar, two searchlights, mousetraps, depth charges on stern rack, 20-mm gun, and complete with necessary on board spares for a six-months period plus proprietary spares for one year. Vessels to be modified for quick starting under “cold-motor” conditions.)

Weight: Approx. 210 long tons.
Square (deck load): Approx. 5,000 square feet.
Cube: None.

B2B—HARBOR PATROL

For maintaining continuous patrol of a small harbor. Multiples of this component can be used to patrol large harbors if necessary. Repair facilities for picket boats are not included. This component will be under the direction of the Harbor Defense Officer.

Personnel (Approx.):
One officer and 28 enlisted—Total 29.

Material (Major items only):
Picket boats w/RAM guns and ammunition, depth charges, radios and underwater sound receivers navigation gear—4.
Pontoon piers (provided on special request only)

Weight: Approx. 150 long tons (60 long tons on deck)
Square: 2,512 sq. ft. (boats to go as deck cargo)
Cube: Approx. 210 measurement tons (for other equipment)
B3—UNDERWATER DETECTION COMPONENT

Installs, operates and maintains complete underwater detection system for a base. These components are separately assembled and assigned by CNO when required because the amount and type of material and personnel must be separately planned for each specific harbor. It may include any one or combination of:

- Asdic Heralds
- Magnetic Loops
- Sono Radio Buoys
- Cable-connected Hydrophones
- Servicing facilities

The personnel and material below are prescribed for (1) material planning purposes and (2) instances where a component is desired pending assignment to a specific location.

Personnel (Approx.):
3 officers and 36 enlisted—Total 39

Material (Major items only):

Herald Section:
- 2 Asdic Heralds, 10 miles tail cable
  (Fixed harbor echo ranging and listening)

Loop Section:
- 5 front miles, 5 tail miles magnetic indicator loop cable (magnetic underwater detection)

Sono-radio Buoy Section:
- 10 Sono-radio Buoys, 3 receivers (for Sonic underwater listening)

Hydrophone Section:
- 10 Cable-connected hydrophones, 2 shore terminal equipments (Sonic underwater listening where permanency of installation is desired)

Radar Section:
- 1 medium range surface search radar to be used in conjunction with underwater detection devices.

Note: Any of the above sections, or any parts or combinations thereof, may be ordered for initial outfitting or supplemental purposes.

- Spare parts and equipment
- Voice radio communication equipment
- Housing for equipment
- Power supply
- Transportation—Trucks
- Buoy boat

Weight: Approx. 225 long tons
Cube: Approx. 500 measurement tons
B4—PORT DIRECTOR (OR PORT CAPTAIN)—Obsolete.

B4A—PORT DIRECTOR (MEDIUM)—(For large size Port Director, see B4F)

Carries out the functions of the Naval Transportation Service at a medium sized advanced base including: movement orders, harbor movements, routing, boarding, berthing, piloting, supervision of loading, discharging and fueling, and inspection of merchant ship communication facilities. Where pilots cannot be obtained from among the local civilians, suitable officers or men shall be trained as such.

Personnel (Approx.):
10 officers and 14 enlisted—Total 24
(Includes one officer to supervise minesweeping)

Material (Major items only):
Pontoon barges w/prop. units—Approx. 20
Pontoon wharves—Approx. 4
Office equipment and supplies
Radio Equipment (TBY's)
Small boats (2)
Visual communication equipment
Navigational equipment
Transportation equipment—Approx. 8 trucks
Housing—Approx. 4 huts, 20 x 48

Weights: Approx. 2,400 long tons (4 long tons on deck)
Square: 378 sq. ft. (boats to go as deck cargo)
Cube: Approx. 9,600 measurement tons (other equipment)

B4B—PORT DIRECTOR (SMALL)

Carries out the functions of the Naval Transportation Service at a small advanced base, including: movement orders, harbor movements, routing, boarding, berthing, piloting, supervision of loading, discharging and fueling, and inspection of merchant ship communication facilities. Where pilots cannot be obtained from among the local civilians, suitable officers or men shall be trained as such.

Personnel (Approx.):
5 officers and 5 enlisted—Total 10

Material (Major items only):
Pontoon barges w/prop unit—Approx. 10
Pontoon wharves—Approx. 2
Office equipment and supplies
Radio Equipment (TBY's)
Small boat
Visual communication equipment
Navigational equipment
Transportation equipment—5 trucks
Housing—Approx. 2 huts, 20 x 48

Weight: Approx. 1,200 long tons (2 long tons on deck)
Square: 189 sq. ft. (boats to go as deck cargo)
Cube: Approx. 4,900 measurement tons (other equipment)

B4C—HARBOR PATROL—Obsolete. See B2B.
**B4D—BEACHMASTER (LARGE)**

It is intended that this component will normally be transported in the first echelon of the follow-up convoy after the initial landing. It will exercise control over all boat operations at landing beaches and piers. When or if a base is established at the location, it may be merged with the Port Director's organization, excess personnel being available for reassignment within advanced base organizations. The personnel will receive training by the Commander Amphibious Training Command, including training in landing exercises in order to become familiar with the organization and functioning of a shore party. (If to be self-sustaining, an N4A component, 25 men (tents) modified, should also be ordered to accompany a B4D).

Personnel (Approx.):
- 4 officers and 16 enlisted—Total 20

Material (Major items only):
- Hydrographic and Beach Markers
- Signalling equipment
- Transceivers
- Battery operated Portable PA System
- Hand tools and material for rapid minor repair to landing boats
- Truck

Weight: Approx. 2 long tons
Cube: Approx. 8 measurement tons

**B4E—BEACHMASTER (SMALL)**

It is intended that this component will normally be transported in the first echelon of the follow-up convoy after the initial landing. It will exercise control over all boat operations at landing beaches and piers. When or if a base is established at the location, it may be merged with the Port Director's organization, excess personnel being available for reassignment within Advance Base organizations. The personnel will receive training by the Commander Amphibious Training Command, including training in landing exercises, in order to become familiar with the organization and functioning of a shore party. (If to be self-sustaining, an N4A Component, 25 men (Tents) modified, should also be ordered to accompany a B4E).

Personnel (Approx.):
- 2 officers and 8 enlisted—Total 10

Material (Major items only):
- Hydrographic and Beach Markers
- Signalling Equipment
- Transceivers
- Battery operated Portable PA System
- Hand tools and material for rapid minor repair to landing boats
- Truck

Weight: Approx. 2 long tons
Cube: Approx. 7 measurement tons
B4F—PORT DIRECTOR (LARGE)

Carries out the functions of the Naval Transportation Service at a large Advanced Base including: movement orders, harbor movements, routing, boarding, berthing, piloting, supervision of loading, discharging and fueling, and inspection of merchant ship communication facilities. Where pilots cannot be obtained from among the local civilians, suitable officers or men shall be trained as such.

Personnel (Approx.):
31 officers and 83 enlisted—Total 114

Material (Major items only):
- Pontoon barges w/prop. units—approx. 20
- Pontoon wharves—Approx. 4
- Office equipment and supplies
- Small boats (5)
- Radio Equipment (TBY’s)
- Visual communication equipment
- Navigational equipment
- Transportation equipment—Approx. 16 trucks
- Housing—Approx. 8 huts, 20 x 48
- Additional housing, transportation equipment, barges, etc., will be added when the destination of the component is known.

Weight: Approx. 3,200 long tons
Cube: Approx. 10,500 measurement tons

B4G—PORT DIRECTOR (MEDIUM—LARGE)

Carries out the functions of the Naval Transportation Service at a medium-large advanced base including: movement orders, harbor movements, routing, boarding, berthing, piloting, supervision of loading, discharging and fueling, and inspection of merchant ship communication facilities. Where pilots cannot be obtained from among the local civilians, suitable officers or men shall be trained as such.

Personnel (Approx.):
15 officers and 40 enlisted—Total 55

Material (Major items only):
- Pontoon barges w/prop. units—Approx. 20
- Pontoon wharves—Approx. 4
- Office equipment and supplies
- Small boats (4)
- Radio equipment (TBY’s)
- Visual communication equipment
- Navigational equipment
- Transportation equipment—Approx. 8 trucks
- Housing—Approx. 4 huts, 20 x 48

Weight: Approx. 3,000 long tons (10 long tons on deck)
Square: 400 sq. ft. (boats to go as deck cargo)
Cube: Approx. 10,000 measurement tons (other equipment)
B5—BEACHMASTER—OBSOLETE

B5A—BOAT POOL

Supervises and operates all small boats and barges at a small base including Amphibious Force landing craft retained at the base. Spare parts for boats included but not repair facilities. This component may be doubled for large bases.

Personnel (Approx.):
One officer and 5 men—Total 6

Material (Major items only):
Small boats, 15' to 33'—Approx. 5
Housing for equipment
Small pier
Weight: Approx. 140 long tons
Cube: Approx. 200 measurement tons

B5B—BARGE POOL

Provides a small base with a group of pontoon barges for general waterfront use. Spare parts for the barges are included but not repair facilities.

Personnel (Approx.):
No officers and 28 men—Total 28

Material (Major items only):
Barge (1), pontoon, self-prop., 50 tons with 5 ton crane
Barges (2), pontoon, self-prop., 50 tons
Barges (6), pontoon, non-self-prop., 50 tons
Barges (3), pontoon, non-self-prop., 100 tons
Tugs (3), pontoon
Propelling units, spares
Wharf, pontoon
Pier, pontoon
Weight: Approx. 800 long tons
Cube: Approx. 3,000 measurement tons
B6—SURFACE DETECTION RADAR (LARGE)
Performs surface vessel detection and low-flying aircraft detection at a large advanced base. The information obtained on surface targets may be utilized in the fire control system of shore batteries.
Personnel (Approx.):
One officer and 46 enlisted—Total 47
(Officer to be “RS”)
Material (Major items only):
Fixed surface search radar, 3
Mobile surface search radar, 2
Generators and electrical equipment
Radio equipment
Field telephone set
Plotting Kit
Transportation—Approx. 4 trucks
Housing—Approx. 4 huts
Weight: Approx. 76 long tons
Cube: Approx. 181 measurement tons

B7—SURFACE DETECTION RADAR (MEDIUM)
Performs surface vessel detection and low-flying aircraft detection at a small advanced base. The information obtained on surface targets may be utilized in the fire control system for shore batteries.
Personnel (Approx.):
One officer and 20 enlisted—Total 21
(Officer—Administrative)
Material (Major items only):
Fixed surface search radar, 1
Mobile surface search radar, 1
Generators and electrical equipment
Radio equipment
Field telephone set
Plotting Kit
Transportation—Approx. 2 trucks
Housing—Approx. 2 huts
Weight: Approx. 37 long tons
Cube: Approx. 102 measurement tons

B8—MINESWEEPING COMPONENT
This is capable of sweeping influence and moored mines. The equipment is designed for use in small boats.
Personnel:
One officer and one enlisted—Total 2
(This officer will not be assigned if either the “Minesweeping Officer” listed under B4A or the officer listed under E13, E14, or E15 is assigned to the same base.)
Material:
Emergency moored minesweeping equipment
Emergency magnetic minesweeping equipment
Emergency acoustic minesweeping equipment
Weight: Approx. 6 long tons
Cube: Approx. 15 measurement tons
B9—FLEET MOORINGS

Provides fleet moorings of the classes listed below, for use at advanced bases. It is essential that information as to the desired number, class, type (telephone or riser), and water depth of the moorings accompany each request. Before making requests consider conditions of wind, tide, holding ground and types of vessels to be moored, then select the most appropriate sized moorings. Unless otherwise specified, bales only will be provided for concrete sinkers. Telephone type moorings are not available in the four lightest classes. A limited quantity of telephone equipment for use with telephone type moorings may be made available if especially desired.

Personnel: None. Moorings must be laid and tended by base departments such as net defenses, construction battalions, salvage details or Coast Guard units.

Material (as requested):

Moorings, complete (weight and cube at 25 fathoms):

<table>
<thead>
<tr>
<th>Class</th>
<th>Long tons</th>
<th>Meas. tons</th>
</tr>
</thead>
<tbody>
<tr>
<td>BB</td>
<td>103</td>
<td>77</td>
</tr>
<tr>
<td>AU</td>
<td>98</td>
<td>73</td>
</tr>
<tr>
<td>CA</td>
<td>76</td>
<td>67</td>
</tr>
<tr>
<td>DD</td>
<td>68</td>
<td>52</td>
</tr>
<tr>
<td>E</td>
<td>35</td>
<td>38</td>
</tr>
<tr>
<td>F</td>
<td>27</td>
<td>29</td>
</tr>
<tr>
<td>MTB Tender</td>
<td>11</td>
<td>13</td>
</tr>
<tr>
<td>MTB</td>
<td>7</td>
<td>4</td>
</tr>
</tbody>
</table>

Weight: Compute from above weights.

(Standard Lion—Approx. 1,400 long tons)
(Standard Cub—Approx. 240 long tons)

Cube: Compute from above cubes.

(Standard Lion—Approx. 1,100 measurement tons)
(Standard Cub—Approx. 200 measurement tons)
**B10—NAVIGATION AIDS**

Provides navigation aids of the types listed below for use at an advanced base. It is essential that a request for this component state the type and number of the navigation aids needed. Water depth should be stated if greater than standard (14 fathoms for 9 x 38W and 7 fathoms for all other types). Adequate quantities of lighting equipment, mooring gear, and materials for concrete sinkers will accompany each component.

**Personnel:** None

**Material (as requested):**

<table>
<thead>
<tr>
<th>Description</th>
<th>Long tons</th>
<th>Meas. tons</th>
</tr>
</thead>
<tbody>
<tr>
<td>(a) Buoy, lighted, 9 x 38W, acetylene, for use in heavy sea</td>
<td>17</td>
<td>80</td>
</tr>
<tr>
<td>(b) Buoy, lighted, 8 x 26B, electric, for use in moderate sea</td>
<td>11</td>
<td>40</td>
</tr>
<tr>
<td>(c) Buoy, lighted, 6 x 20E, electric, for use in moderate and protected seas</td>
<td>6</td>
<td>19</td>
</tr>
<tr>
<td>(d) Buoy, unlighted, 1st class, nun, for use in heavy and moderate seas</td>
<td>4</td>
<td>10</td>
</tr>
<tr>
<td>(e) Buoy, unlighted, 1st class, can, for use in heavy and moderate seas</td>
<td>4</td>
<td>10</td>
</tr>
<tr>
<td>(f) Buoy, unlighted, 2d class, nun, for use in moderate and protected seas</td>
<td>2</td>
<td>5</td>
</tr>
<tr>
<td>(g) Buoy, unlighted, 2d class, can, for use in moderate and protected seas</td>
<td>2</td>
<td>5</td>
</tr>
<tr>
<td>(h) Buoy, unlighted, 3d class, nun, for use in smooth seas</td>
<td>1</td>
<td>2</td>
</tr>
<tr>
<td>(i) Buoy, unlighted, 3d class, can, for use in smooth seas</td>
<td>1</td>
<td>2</td>
</tr>
<tr>
<td>(j) Buoy, unlighted, 1st class, wood spar, for use as channel marker</td>
<td>1</td>
<td>2</td>
</tr>
<tr>
<td>(k) Beacon house and tower, for use as electric light</td>
<td>3</td>
<td>10</td>
</tr>
<tr>
<td>(l) Beacon, 3 pile, for use as electric light</td>
<td>3</td>
<td>4</td>
</tr>
<tr>
<td>(m) Beacon, 6 pile, for use as electric light</td>
<td>6</td>
<td>8</td>
</tr>
</tbody>
</table>

**Weight:** Compute from above weights

- **(Standard Lion)—Approx. 90 long tons**
- **(Standard Cub)—Approx. 30 long tons**

**Cube:** Compute from above cubes

- **(Standard Lion)—Approx. 300 measurement tons**
- **(Standard Cub)—Approx. 80 measurement tons**
C—COMMUNICATIONS COMPONENTS

If aviation facilities are requested with the Lion or Cub ordered, a C4, Radio Station—Airbase (Large), should also be requested for a Lion, and a C5, Radio Station—Airbase (Small), for a Cub.

If a different combination of communication components for a Lion, Cub or Acorn is desired by the overseas commands, they should so state. Consideration should be given to availability or equipment in pools established in certain overseas locations. High power equipment for extremely long distance communication is reserved for overseas pools or for special assignment by the Chief of Naval Operations.

A change made in the title of any component of this group does not change the function of that component.

CI—RADIO STATION—OPERATING BASE (LARGE)

Equivalent of a large Navy Yard radio station with facilities and personnel for direct communication with an area headquarters and with task forces distant up to about 1,500 miles.

Personnel (Approx.):
7 officers and 42 enlisted—Total 49

Material (Major items only):
Transmitter (1) for point-to-point
Approx. range 1,500 miles; manual speed keying; power 1 K.W.; high frequency, range 4,000-18,300 kc; A1 emission; CV oscillator. (TBA or equivalent).

Transmitter (1) for ships
Approx. range 1,000 miles; power 20 watts; high-frequency, range 2,000-18,100 kc; A1 emission; CV oscillator. (TCK or equivalent).

Transmitter (1) for ships
Approx. range 800 miles; power 1 K.W.; intermediate frequency, range 300-555 kc; A1, A2 emission; CV oscillator. (TAR, TBU or equivalent).

Receivers (2) for FOX and ship reception
Low frequency, range 18-600 kc. (RAZ or equivalent)

Receivers (4) for point-to-point and ships
Intermediate and high frequency. (HBO or equivalent)

Frequency adjusting and testing equipment
Telegraphic typewriters
Installation and maintenance tools and supplies
Antenna materials and masts
Office equipment and supplies
Housing—Approx. 3 huts
Utilities—Power and light
Transportation—Truck
Publications—From nearest Issuing Office

Weight: Approx. 40 long tons
Cuba: Approx. 122 measurement tons
C2—RADIO STATION—OPERATING BASE (MEDIUM)

Equivalent to a radio station at a Navy Yard with facilities and personnel to communicate with adjacent bases and with light task forces up to about 1,000 miles.

Personnel (Approx.):
3 officers and 22 enlisted—Total 25

Material (Major items only):

Transmitter (1) for point-to-point
Approx. range 1,000 miles; manual speed keying; power 600 watts; high frequency, range 2000-18100 kc; A1 emission; CV oscillator. (TCX or equivalent)

Transmitter (1) for ships
Approx. range 1,000 miles; power 400 watts; high frequency, range 2000-18100 kc; A1 emission; CV oscillator. (TCX or equivalent)

Transmitter (1) for ships
Approx. range 400 miles; power 1 KW; intermediate frequency, range 300-500 kc; A1 and A2 emission; CV oscillator. (TBQ or equivalent)

Receivers (2) for ship and FOX schedule reception
Low frequency, range 16-600 kc (RAZ or equivalent).

Receivers (2) for point-to-point and ships
Intermediate and high frequency. (R8G or equivalent)

Frequency adjusting and testing equipment

Telegraphic typewriters

Installation and maintenance tools and supplies

Antenna materials including masts

Office equipment and supplies

Housing—Approx. 2 huts

Utilities—Power and light

Transportation—Truck

Publications—From nearest Issuing Office

Weight: Approx. 32 long tons

Cube: Approx. 115 measurement tons

Amendment No. 1
C3—RADIO STATION—OPERATING BASE (SMALL)

Intended for shore based PT squadron headquarters but is applicable for any minor base requirements as facilities are available for communication with adjacent bases and with off shore craft up to about 250 miles. Voice communication may be used up to about 75 miles.

Personnel (Approx.):
One officer and 13 enlisted—Total 14

Material (Major items only):
Transmitter (1) for point-to-point, etc.
Power 126 watts; high frequency, range 2000-15100 kc, A1, A3, A5 emission; CV oscillator. (TCPF or equivalent)

Transmitter (1) for small boats
Approx. range 75 miles; power 125 watts; high frequency, range 2000-3000 kc; A3 emission; crystal controlled, quick shift, crystals provided for 2010, 2000, 2045, 4285, 4385 kc. (TCPF or equivalent)

Receivers (3) with loud speakers
High frequency, range to include 2000-18000 kc band. (RBO or equivalent)

Frequency adjusting and testing equipment
Telegraphic typewriters
Installation and maintenance tools and supplies
Antenna material and masts
Office equipment and supplies
Housing—Approx. 2 huts
Utilities—Power and light
Publications—From nearest Issuing Office
Weight: Approx. 20 long tons
Cube: Approx. 40 measurement tons
C4—RADIO STATION—AIR BASE (LARGE)

For communications involving 2 CV groups and 4 VPB squadrons. Equipment is for somewhat permanent base with rapid movement not contemplated.

Personnel (Approx.):
7 officers and 57 enlisted—Total 64

Material (Major items only):
Transmitter (1) for homing and communication

APPROX: range 600 miles; power 1 KW; intermediate frequency, range 175-555 kc; A1 and A2 emission; CV oscillator. (TAB)

Transmitters (1*) for long distance aircraft communication

Power 2½ KW; frequency range 2000-18100 kc; A1, A2, A3 emission; quick shift 10 channel; non-crystal controlled. (TDI)

Transmitters (2) for point-to-point, etc.

Power 100 watt; frequency range 2000-18100 kc; A1, A2, A3 emission; quick shift 10 channel; non-crystal controlled. (TDI; TCK w/remote control on-off, keying and modulation control; TBM or TBL)

Transmitter (1) for general utility, semi-portable

Power 100 watt; intermediate frequency, range 300-600 kc; high frequency range 2000-18100 kc; A1, A2, A3 emission; quick shift 1 channel; non-crystal controlled; material provided for remote on-off, keying, and modulation. (TCZ or TBR)

Transmitters (2) for VHF Communications

Range 115-146 mc; crystals for authorized frequencies; material provided for remote modulation and carrier control. (TDI, BC-48A or TD)

Transmitter/receiver (1) for emergency and misc. service, semi-portable

Power 100 watt; intermediate frequency range 300-600 kc; high frequency range 2000-18100 kc; A1, A2, A3 emission; complete w/engine driven generator (MM for IM or FCZ; R/A0 or ROH)

Transmitter/receivers (4), portable

Power 25 watt; high frequency, range 1200-12000 kc; A3 emission. (TC3, two 110vAC and two 12vDC)

Receivers (1)

Low frequency, range 15-600 kc. (BEL, RBA or RAK)

Receivers (4) for long distance reception

MF and HF; w/loud speakers. (RBS, RAO, RBY or RBR/RBC)

Receivers (4*) for misc. reception

Intermediate and high frequency, range 80-500 kc and 1.8-30 mc; w/loud speakers. (RCH, RBL/RAO, or RBR/RBC)

Receivers (2) for VHF reception

Range 115-146 mc band; w/loudspeakers and speaker amplifiers if necessary. (ROK or BC-480)

Frequency adjusting and testing equipment, high frequency

Telegraphic typewriters

Installation and maintenance tools and supplies

Antenna material including masts

Office equipment and supplies

Housing—Approx. 4 huts

Utilities—Power and light

Transportation—Truck

Publication—From nearest Issuing Office

*Note—Add one for each point-to-point circuit contemplated over the one covered by the basic allowance.

Weight: Approx. 77 long tons

Cube: Approx. 342 measurement tons

Amendment No. 3
C5—RADIO STATION—AIR BASE (SMALL)

For communication involving one CV Group and two VPB squadrons. Equipment for a somewhat permanent base with rapid movement not contemplated.

Personnel (Approx.): 2 officers and 36 enlisted—Total 38

Material (Major items only):

Transmitter (1) for homing and communication
  Approx. range 600 miles; power 1 KW; intermediate frequency range 175-565 kc; A1, A2 emission; CV oscillator. (T&A)

Transmitter (1) for point-to-point, etc.
  Power 400 watts, high frequency range 2000-18100 kc; A1, A2, A3 emission; quick shift 10 channel; non-crystal controlled. (TQG; TQK w/remote on-off, keying and modulation control; TBM or TBL)

Transmitter (1) for general utility, semi-portable
  Power 100 watts; intermediate frequency range 300-600 kc; high frequency range 2000-18100 kc; A1, A2, A3 emission; quick shift 11 channel; non-crystal controlled. (TCZ or TPU)

Transmitter (2) for VHF communications
  Range 115-136 mc; crystals for authorized frequencies; material provided for remote modulation and carrier control. (TDB or BC-96A)

Transmitter/receiver (1) for emergency and misc. service, semi-portable
  Power 100 watts; intermediate frequency range 300-1000 kc; high frequency range 3000-18100 kc; A1, A2, A3 emission; complete wideband driven generator. (MM inc LM or TCZ/RAO or RCH)

Transmitter/receivers (4), portable
  Power 25 watts; high frequency range 1000-12000 kc; A3 emission. (TCS, two 110 v. AC and two 12 v. DC)

Receiver (1)
  Low frequency range 15-600 kc (RBH, RBA or RAK)

Receivers (3) for long distance reception
  MF and IF; w/load speakers. (RB, RAO-4, RBG or RBB/RBC)

Receivers (3) for misc. reception
  Intermediate and high frequency range 80-500 kc and 1.0-50 mc; w/load speakers. (RCH, RBL/RAO-5, or RBB/RBC)

Receivers (2) for VHF reception
  Range 115-136 mc band; w/ speakers and speaker amplifiers if necessary. (RCX or BO-638)

Frequency adjusting and testing equipment, high frequency
  Telegraphic typewriters
  Installation and maintenance tools and supplies
  Antenna material and masts
  Office equipment and supplies
  Housing—Approx. 4 huts
  Utilities—Power and light
  Transportation—Truck
  Publications—from nearest Issuing Office

Weight: Approx. 69 long tons
Cube: Approx. 223 measurement tons

Amendment No. 3
C6—RADIO STATION—AIRFIELD (FRONT LINE COMBAT)

For communication involving one CV group and one VPB squadron. Material is light and easily set up to work in combat areas. Facilities also provided for use during landing operations of this component.

Personnel (Approx.):
5 officers and 30 enlisted—Total 35

Material (Major items only):

Transmitters (3), semi-portable
Two with power 125 watts; frequency range 2000-18000 kc; and one with power 100 watts; frequency range 300-600 kc, 3000-38000 kc. (2 TOC & 1 TOG)

Transmitters (2) for aircraft communication
(Two (2) TDQ with material for remote modulation and carrier control, or equivalent)

Transmitter/receiver (1) for emergency & misc. service, semi-portable
Power 100 watts; intermediate frequency range 300-3000 kc; high frequency range 3000-38000 kc; A1, A2, A3 emission; complete with engine driven generator. (M/MB LM or TOZ/RAO or RCB)

Transmitter/receivers (2) for vehicular stations
Power 25 watts; mounted on 1/4 ton jeep (MZ)

Receiver (1)
Low frequency; range 15-600 kc. (RBL, RBA or RA E)

Receivers (4) for long distance reception
MIF and HF; w/ loud speakers. (RBS, RBB/RBC, RAO-6 or RBO)

Receivers (2) for aircraft communication
(Two (2) RCK provided with speaker and speaker amplifier if necessary, or equivalent)

Homing Beacon (1)
(YO, w/ ears (1) Z/RU remote monitor)

Frequency adjusting and testing equipment
Telegraphic typewriters
Installation material
Antenna materials
Office equipment and supplies
Housing—Hut
Utilities—Power and light
Publications—From nearest Issuing Office

Weight: Approx. 43 long tons
Cube: Approx. 136 measurement tons

Amendment No. 3
C7—VISUAL STATION—OPERATING BASE (LARGE)

For visual communication at any operating base supporting large fleet units.
Personnel (Approx.):
No officers and 12 enlisted—Total 12
Material (Major items only):
Signal searchlights—Two 24” and two 12”
Signal mast, 40 ft., w/block at truck, and 12 ft. yardarm fitted with four blocks;
  blinker lights on yardarm.
Signal flags, flag bags w/flag boards, flag materials and rigging
Sewing machine and supply of sewing gear
Telescopes, binoculars, etc.
Signal light kits and semaphore flags
Housing—Hut
Utilities—Power and light
Publications—From nearest Issuing Office
Weight: Approx. 12 long tons
Cube: Approx. 29 measured tons

C8—VISUAL STATION—OPERATING BASE (SMALL)

For visual communication at small bases and for harbor defense. When assigned to
a PT Base Unit personnel is omitted.
Personnel (Approx.):
No officers and 8 enlisted—Total 8
Material (Major items only):
Signal searchlights—Two 12”
Signal mast, 40 ft. with block at truck and 12 ft. yardarm fitted with 4 blocks;
  blinker lights on yardarm
Signal flags, flag bags with flag boards, flag materials and rigging
Hand sewing gear
Telescopes and binoculars
Signal light kits and semaphore flags
Housing—Hut
Publications—From nearest Issuing Office
Weight: Approx. 9 long tons
Cube: Approx. 23 measured tons
C9—RADIO STATION—HARBOR DEFENSE

For radio telephone communication to harbor craft, picket boats, etc. for harbor defense and other purposes where visual communication facilities may be inadequate.

Personnel (Approx.):
No officers and 10 enlisted—Total 10

Material (Major items only):
Transmitters (2) for working picket boats etc.
Approx. range 75 miles; power 125 watts; high frequency range 200–3000 kc; A3 emission; crystal controlled, quick shift; crystals provided for 250, 300, 370 and 600 kc. (TCE or equivalent)

Transmitter/receivers (2) for use in small boats not otherwise equipped, portable
Approx. range 10 miles; high frequency range 200–5000 kc; A3 emission; crystal controlled, quick shift; crystals provided for 370, 250 and 800 kc. (TCE or equivalent)

 Receivers (3) for working picket boats
High frequency range to include 2000–5000 kc band; w/tauf and speakers. (RBG or equivalent)

Telegraphic typewriters
Kit of radio tools
Antenna materials and mast
Office equipment and supplies
Housing—Hut
Utilities—Power and light
Publications—From nearest Issuing Office

Weight: Approx. 15 long tons
Cube: Approx. 34 measurement tons

C10—FLEET POST OFFICE (LARGE)

Provides postal facilities and officer messenger service at a large base for ships of the fleet. Postal facilities for the base itself are part of the “A” components.

Personnel (Approx.):
3 officers and 22 enlisted—Total 25

Material (Major items only):
Office machines and safe
Office furniture including tables, cases, racks, etc.
Postal supplies
Housing—Approx. 3 huts
Transportation—truck

Weight: Approx. 25 long tons
Cube: Approx. 60 measurement tons

C11—FLEET POST OFFICE (MEDIUM)—Obsolete
C12—INTERNAL COMMUNICATIONS (LARGE)

For internal communications between offices, shops, barracks, etc., comprising a large base.

Personnel (Approx.):
No officers and 40 enlisted men—Total 40
(Includes 36 Switchboard Operators and 4 Electricians Mates)

Material (Major items only):
PA Systems (2)
(RCA talk back w/Spare parts and cable)
Inter-office communication systems (7)
(Master w/6 units)
Telephone system or equivalent consisting of:
One (1) TC-10 Telephone central
Three (3) BD110 Boards (90 telephones each, total—270 telephones, with standard cable allowance)
Ten (10) Boards, non-multiple (50 telephones each, total—500 telephones, with standard cable allowance)

Weight: Approx. 100 long tons
Cube: Approx. 200 measurement tons

C13—INTERNAL COMMUNICATIONS (MEDIUM)

For internal communications between offices, shops, barracks, etc., comprising a medium base.

Personnel (Approx.):
No officers and 21 enlisted men—Total 21
(Includes 19 Switchboard Operators and 2 Electricians Mates)

Material (Major items only):
PA System (1)
(RCA talk back with spare parts and cable)
Inter-office communication systems (3)
(Master with 6 units)
Telephone system or equivalent consisting of:
One (1) TC-2 with
Two (2) BD89 Boards (total—114 telephones with standard cable allowance)
Three (3) Boards, non-multiple (50 telephones each, total—150 telephones, with standard cable allowance)

Weight: Approx. 35 long tons
Cube: Approx. 80 measurement tons

C14—INTERNAL COMMUNICATIONS (SMALL)

For internal communications between offices, hangars, shops, etc., comprising a small air base or other small activity.

Personnel (Approx.):
No officers and 11 enlisted men—Total 11
(Includes 9 Switchboard Operators (seaman) and 2 Electricians Mates)

Material (Major items only):
PA system (1)
(RCA talk back w/spare parts and cable)
Inter-office communication system (1)
(Master w/6 units)
Telephone System or equivalent consisting of:
Three (3) Boards (50 telephones each, total—150 telephones, with standard cable allowance)

Weight: Approx. 20 long tons
Cube: Approx. 45 measurement tons
C15—RADIO STATION—AIR BASE UTILITY (LARGE)

For utility use and for communication involving operation of transport and ferry aircraft. This component may be used to supplement C4 and C5 allowances when large scale transport and ferry operation is contemplated.

Personnel (Approx.):
2 officers and 10 enlisted—Total 12

Material (Major items only):

Transmitters (2) for long distance point-to-point and aircraft
Power 3½ KW; frequency range 2000-18100 kc; A1, A2, A3 emission; quick shift 19 channel; non-crystal controlled. (TDH)

Transmitters (2) for point-to-point and aircraft
Power 900 watts; frequency range 2000-38100 kc; A1, A2, A3 emission; quick shift 19 channel; non-crystal controlled. (TDD)

Transmitter/receiver (1) for emergency & misc. service, semi-portable
Power 150 watts; intermediate frequency range 100-18100 kc; A1, A2, A3 emission; complete w/engine driven generator. (MM the LM, or TC2/RAO or RCH)

Transmitter/receivers (2), portable
Power 25 watts; high frequency range 1500-12000 kc; A3 emission. (TC8, 110v. AC)

Receiver (1) for low frequency reception
Range 12-500 kc. (RBL, RBA or RAK)

Receivers (5) for long distance reception
MIF and IF; w/load speakers. (RBS, RAO-5, RBO or RBB/RBG)

Frequency adjusting and testing equipment, high frequency
Telegraphic typewriters
Installation and maintenance material
Antenna material
Office equipment and supplies
Housing—Hut
Utilities—Power and light
Publications—from nearest Issuing Office

Weight: Approx. 44 long tons
Cube: Approx. 125 measurement tons

C16—RADIO STATION—AIR BASE UTILITY (SMALL)—Obsolete.
C17—TELETYPEWRITER SYSTEM

Facilities and personnel for a telegraph system, more secure than radio, for operational
record communication in advanced positions where land line connections are practical.

Personnel (Approx.):

No officers and 22 enlisted men—Total 22. (Includes 4 Switchboard Operators
(Seaman), 2 Electrician's Mates (qualified in teletypewriter and ECM Mainte-
nance), 16 Teletypewriter Operators (Yeoman))

Material (Major items only):

Teletypewriter System consisting of:
One (1) TC-3 telegraph switchboard central set complete
Ten (10) EE97 teletypewriter sets complete for operation on AC, DC and
emergency power supply with tool kits, vacuum tubes, fuses and standard

cable allowance for ten (10) teletypewriters
Telex wire—25 miles

Weight: Approx. 5 long tons
Cube: Approx. 15 measurement tons

Amendment No. 3
C18—V-MAIL COMPONENT—Obsolete

C19—REGISTERED PUBLICATION ISSUING OFFICE COMPONENT

This component is intended to establish and maintain a regular flow of publications, cryptographic or noncryptographic, that are distributed through the Registered Publication System. It is to supply the requirements of the base, and of naval operating forces in the area. It is not intended that this component be included in a forward echelon because of the security required for reserve stocks of cryptographic aids.

Personnel (Approximate):
2 officers and 3 enlisted—Total 5

Material (Major items only):
Housing—Hut and magazine
Incinerator
Light Steel Vault Door (fireproof, 3-tumbler combination lock) with steel frame. Estimated weight 1800 lbs. May be fitted to magazine or provided for installation in a permanent vault to be constructed
Office equipment and supplies
Publications for issue (Stock assembled by RPS; to include cryptographic and non-cryptographic publications distributed by RPS. Initially to include Reserve-on-Board cryptographic publications for three months after the planned date of establishment)

Weight: Approx. 34 long tons
Cube: Approx. 43 measurement tons

C20—COMMUNICATION CENTER COMPONENT

Provides sufficient additional officer and enlisted personnel to organize a suitable communication center in Communication Units which are composed of only a few communication components. This component is not necessary for Communication Units which contain a large number of communication components.

Personnel (Approx.):
20 officers and 13 enlisted—Total 33

Material (Major items only):
Housing—Huts
Telegraphic typewriters
Office equipment and supplies
Transportation—Trucks

Weight: Approx. 20 long tons
Cube: Approx. 50 measurement tons

Amendment No. 3
C21—MOBILE RADAR BEACON COMPONENT

This component provides ground radar beacon navigational aid for all airborne radars now used by the Army and Navy. If continuous service is required, two components should be assigned to permit routine maintenance of the equipment and to maintain navigational aid.

The material in this component is the same as that which was formerly in the C4, C5, and C6 Components. It is set forth here as a separate component to permit flexibility in assignment.

Personnel (Approx.):
No officers and 2 enlisted—Total 2

Material (Major items only):
Trailer, one (1), containing:
  Beacon, radar, one (1), model YJ–2, P&L bands
  Beacon, radar, one (1), model AN/CPN–6, X band
  Beacon, radar, one (1), model AN/CPN–8 or AN/CPN–17, S band
  Beacon, radio homing, one (1), model YG–1
  Test equipment and equipment spare parts as necessary
Trailer, one (1) containing:
  Generator, one (1), 115–V–AC, gasoline-engine-driven
Publications: supplied with each component
Weight: Approx. 8 long tons
Cube: Approx. 40 measurement tons

C22—GROUND CONTROLLED APPROACH COMPONENT

Using radar low approach equipment AN/MPN–1a this component will direct the flight of aircraft during inclement weather to a position over and in line with the runway favorable for landing. Maximum search range is thirty (30) miles.

Personnel (Approx.):
3 officers and 15 enlisted—Total 18

Material (Major items only):
Trailer, containing
  Radar equipment
    "S" band search radar with dual PPI presentation
    "X" band precision system
  Communication equipment
    Three (3) H. F. Transmitters, type ATC
    Three (3) H. F. Receivers, type RAX–1 channel 2
    Three (3) VHF Transmitter-Receiver units, type SCR–522
  Complete air conditioning and ventilating system
  Truck, prime mover, containing primary power supply
  Truck, containing all equipment spares and test equipment
  Truck, for personnel transportation and general utility
Weight: Approx. 30 long tons
Cube: Approx. 140 measurement tons
D—SUPPLY COMPONENTS

Concerning components D1, D2, D10 and D12, personnel, utility buildings and handling equipment for the receipt, storage and issue of consumable supplies for bases other than Lions, Cubs and Acorns are functions of the following variables:
(a) total personnel intended for the base
(b) facilities already available at destination
(c) the particular D-categories ordered with the movement (as multiples of basic increments)
(d) the nature and number of other functional components of which the base is composed

Accordingly, Area Commanders should request utility buildings, handling equipment, etc. only when and if necessary. Personnel will be supplied in numbers appropriate to total volume of stores to be maintained. Individual D-allowance lists are prefaced by approximations of personnel, storage space, and equipment required to accommodate the basic increments defined therein.

D1—STORAGE AND SUPPLY FACILITIES (LARGE)

Comprises the supply department of a large advanced base and is capable of storing, handling, and issuing supplies for this base and for major fleet forces. Does not include disbursing function. (See Component D20). Includes fleet and base consumables as required which will be shipped in later echelons. In order to furnish a balanced stock of consumables necessary to provide logistic support to fleet and base units operating in the area, it is essential that the requesting command furnish the Chief of Naval Operations with the control information indicated below:
(a) Number and types of bases which this component will be expected to support.
(b) Types of ships operating in the areas to be served and the approximate number of each.
(c) Ship repair and overhaul facilities requiring support.
(d) Recommended stock levels (in months) for the following items:
   1. Provisions — Dry, fresh, refrigerated
   2. Clothing and Small Stores
   3. Special Clothing
   4. Ship's Store Stock
   5. GSK Supplies

Personnel (Approx.):
49 officers and 600 enlisted — Total 649

Material (Major items only):
   Housing — Approx. 150 utility bldgs., incl. 22 refrigerated; and 3 huts
   Pontoon barges
   Transportation — Trucks (Approx. 60) trailers, etc.
   Material handling equipment
   Packing, strapping and cooperage equipment and tools
   Construction materials
   Office equipment and supplies
   Consumables, as required, to go in later echelons

Weight: Approx. 12,000 long tons (not including consumables)
Cube: Approx. 19,000 measurement tons (not including consumables)
D2—STORAGE AND SUPPLY FACILITIES (MEDIUM)

Comprises the supply department of a medium sized advanced base, and is capable of storing, handling, and issuing supplies for this base and for medium fleet forces. Does not include disbursing function (See Component D21). Includes fleet and base consumables as required, which will be shipped in later echelons. In order to furnish a balanced stock of consumables necessary to provide logistic support to fleet and base units operating in the area, it is essential that the requesting command furnish the Chief of Naval Operations with the control information indicated below:

(a) Number and types of bases which this component will be expected to support.
(b) Types of ships operating in the areas to be served and the approximate number of each.
(c) Ship repair and overhaul facilities requiring support.
(d) Recommended stock levels (in months) for the following items:
   (1) Provisions—Dry, fresh, refrigerated
   (2) Clothing and Small Stores
   (3) Special Clothing
   (4) Ship's Store Stock
   (5) GSK supplies

Personnel (Approx.):
30 officers and 350 enlisted—Total 380

Material (Major items only):
Housing—Approx. 60 utility bldgs., incl. 11 refrigerated, and a hut
Pontoon barges
Transportation—Trucks (Approx. 24), trailers, etc.
Material handling equipment
Packing, strapping and cooperage equipment and tools
Construction materials
Office equipment and supplies
Consumables, as required, to go in later echelons

Weight: Approx. 5,000 long tons (not including consumables)
Cube: Approx. 10,000 measurement tons (not including consumables)
D3—TANK FARM (LARGE)

Storage for sufficient fuel and Diesel oil to supply a large base and major units of the fleet. Amount of storage may be varied, as desired, by varying number of tanks as each tank is equipped with individual pump.

Personnel (Approx.):
- One officer and 15 enlisted—Total 16

Material (Major items only):
- Tank farm complete with following approx. capacity:
  - Tanks for fuel oil (10,000 bbl. each)—30
  - Tanks for Diesel oil (10,000 bbl. each)—3
  - Fueling hose with mooring, marker buoy, etc.
  - Fire protection system
  - Housing—Hut
  - Transportation—Trucks
  - Construction materials

Weight: Approx. 1,967 long tons
Cube: Approx. 3,167 measurement tons

D4—TANK FARM (MEDIUM)

Storage for sufficient fuel and Diesel oil to supply a medium sized base and minor units of the fleet. Amount of storage may be varied, as desired, by varying number of tanks as each tank is equipped with individual pump.

Personnel (Approx.):
- One officer and 11 enlisted—Total 12

Material (Major items only):
- Tank Farm complete with following approx. capacity:
  - Tanks for fuel oil (10,000 bbl. each)—10
  - Tanks for Diesel oil (10,000 bbl. each)—1
  - Fueling hose with mooring, marker buoys, etc.
  - Fire protection system
  - Housing—hut
  - Transportation—trucks
  - Construction materials

Weight: Approx. 819 long tons
Cube: Approx. 1,344 measurement tons
D5—FLEET SUPPLY CONSUMABLES

This component consists of one Basic Boxed Base Load (Triple B Load) which, when shipped to an advanced base can be used either for issue by the base or to stock a General Stores Issue Ship (AKS) for subsequent issue to forces afloat and bases in a more advanced area.

Personnel (Approx.): None. Material to be handled by supply personnel at base.

Material (Major items only):
- GSK—a balanced list of approximately 5,000 items
- Clothing and Small Stores (essential items in common use, all areas)—10,000 men for 60 days
- Ships Store Stock—10,000 men for 60 days
- Fountain and Laundry Supplies—10,000 men for 60 days

Weight: Approx. 2,300 long tons
Cube: Approx. 4,000 measurement tons

D6—BASE PERSONNEL CONSUMABLES

Camp and personnel supplies separately listed so that they may be deleted from (or increased for) any or all or the N (Camp) Components ordered. Unless otherwise requested each N Component shipped will include an initial 90 day supply of the material listed below.

Personnel:
- None

Material (for number of man-days specified in request):
- A Dry provisions
- B Camp equipment
- C Housekeeping stores
- D Bedding and linen—Officers
- E Mess gear—Officers
- F Mess gear—Enlisted men
- G Galley Gear
- H Special and protective clothing
- I Clothing and Small Stores
- J Ships store stock

Weight: (for 1,000 men for 30 days)—Approx. 180 long tons
Cube: (for 1,000 men for 30 days)—Approx. 425 measurement tons

D7—SHOP CONSUMABLES

Federal Standard Stock for technical components separately listed so that it may be deleted from (or increased for) any component. Unless otherwise requested each technical component will contain a 90 days supply of this material.

Personnel:
- None

Material:
- Ninety days supply of Federal Standard Stock consumable items for each component in which "Shop Consumables" are listed.

Weight: Variable
Cube: Variable
D8—OFFICE SUPPLIES

Consumable office materials separately listed so that they may be deleted from (or increased for) other components as desired. Unless otherwise requested every component will contain a 90 days supply of this material.

Personnel:
None

Material:
Ninety days supply of consumable office supplies for each component in which "Office Supplies" are listed.

Weight: Variable
Cube: Variable

D9—PETROLEUM PRODUCTS

These do not constitute a rigid part of any functional component, but will be provided normally on the basis of an initial 90-day supply for the operation of all equipment included in the whole group of functional components constituting a movement. Exception is made in the case of special or technical products (e.g. hot-running torpedo oil) which are inherent parts of particular functional components and which invariably will be marked for and forwarded with such components. If petroleum products are available at destination, Area Commanders are requested to notify the CNO opportune as to the general nature and extent of requirements (if any) for a specific movement of echelon.

Personnel:
None

Material:
Ninety days supply of the following items for the operation of the base equipment included in any requested group of components:
- Motor gasoline
- Fuel oil
- Diesel oil
- Lubricating oils and greases

Ninety days supply of aviation gas—sent with Acorns and PT Bases only for use in planes or PT boats.

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<thead>
<tr>
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<th>Lion</th>
<th>Cub</th>
<th>Acorn</th>
<th>PT</th>
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Amendment No. 3
**D10—STORAGE AND SUPPLY FACILITIES (SMALL)**

Comprises the supply department of a small advanced base such as an Acorn. Does not include disbursing function (See component D22).

**Personnel (Approx.):**
- 3 officers and 26 men—Total 29

**Material (Major items only):**
- Housing—approx. 7 utility bldgs. incl. 2 refrig. and a hut. (To go in final echelon, tents going in early echelons)
- Pontoon barge, self-propelled (if requested)
- Transportation—approx. 7 trucks
- Material handling equipment
- Packing, strapping, and cooperage equipment and tools
- Office equipment and supplies
- Construction materials

Weight: Approx. 550 long tons
Cube: Approx. 880 measurement tons

**D11—DRUM FILLING PLANT**

This component provides for the operation of filling drums with gasoline, oil, and lubricants.

**Personnel (Approx.):**
- One officer and 100 enlisted—Total 101

**Materials (Major items only):**
- Buildings to consist of two (2) 40' x 100' Arch Rib steel utility buildings and one Boiler Room Lean-to
- Mechanical Equipment to consist of water purification, fire fighting equipment and one (1) drum filling plant complete
- General office supplies
- One (1) ¾ ton reconnaissence truck
- Two (2) 1½ ton cargo trucks
- Six (6) 2½ ton cargo trucks together with miscellaneous construction tools, equipment and supplies

Weight: Approx. 280 long tons
Cube: Approx. 650 measurement tons

**D12—SUPPLY COMPONENT (SMALL)**

This component is designed to provide a small group of components with a supply department. Disbursing functions are not included (See D22).

**Personnel (Approx.):**
- One officer and 5 enlisted—Total 6

**Material (Major items only):**
- Housing—Utility bldg.
- Transportation equipment for personnel and material
- Material handling equipment
- Packing, strapping and cooperage equipment and tools
- Office equipment and supplies
- Construction materials

Weight: Approx. 60 long tons
Cube: Approx. 100 measurement tons

Amendment No. 3
D13—COBBLER AND TAILOR SHOP (LARGE)

For the repair of G. I. shoes and clothing for 3,000 to 6,000 officers and men. When this component is assigned to an Advanced Base Unit, cobbler and tailor equipment will be omitted from the “N” (Camp) Components.

Personnel (Approx.):

No officers and 11 enlisted—Total 11
(Note.—7 cobblers and 4 tailors.)

Material (Major items only):
Cobbler equipment: lock stitchers (2), finisher (1), sewing machine (1), skiver (1)
Tailor equipment: sewing machines (2)
Cobbler and tailor consumable supplies
Housing: Hut (1) or tents (2)
(Note.—Power to be supplied by the base.)

Weight: Approx. 70 long tons
Cube: Approx. 125 measurement tons

D14—COBBLER AND TAILOR SHOP (MEDIUM)—Obsolete

D15—COBBLER AND TAILOR SHOP (SMALL)

For the repair of G. I. shoes and clothing for 1,000 to 3,000 officers and men. When this component is assigned to an Advanced Base Unit, cobbler and tailor equipment will be omitted from the “N” Camp Components.

Personnel (Approx.):

No officers and 5 enlisted—Total 5
(Note.—3 cobblers and 2 tailors.)

Material (Major items only):
Cobbler equipment: lock stitcher (1), finisher (1), sewing machine (1), skiver (1)
Tailor equipment: sewing machine (1)
Cobbler and tailor consumable supplies
Housing: Hut (1) or tent (1)
(Note.—Power to be supplied by the base.)

Weight: Approx. 25 long tons
Cube: Approx. 50 measurement tons
D16—GARDENING COMPONENT—Obsolete
D17—RAPID HANDLING EQUIPMENT FOR DRUMMED FUEL—Obsolete
D18—MATERIAL RECOVERY—Obsolete

D19—MATERIAL RECOVERY (LARGE)

Provides a salvage yard to handle all salvage and reclamation functions at a large Advanced Base. It is designed to operate at one base during the period necessary for reclamation and preparation of battle damaged or expended Naval materials, including spent ammunition, abandoned craft, etc. In addition provides smaller salvage teams to handle special reclamation assignments in other battle areas located near the main base. The material salvaged will be reissued or returned to one of the Material Redistribution Centers in the U. S. for disposition.

Personnel (Approx.):

- 2 officers and 30 enlisted—Total 32
- (This complement includes one pay clerk and 15 rated men)

Material (Major items only):

- Tools: Carpenters, machinists, electricians, mechanics, misc.
- Trucks (4), “A” Frame on wheels (1), and bicycles (3)
- Tractor, small caterpillar, and beach crane
- Truck crane, 10 ton
- Boats: Buoy (2), 14’ rowboats (2)
- Rigging gear
- Power tools: Electric drill, air compressor
- Cutting and Welding equipment

Weight: Approx. 140 long tons
Cube: Approx. 475 measurement tons
D20—DISBURSING OFFICE (LARGE)

Provides complete disbursing facilities for the handling of from 5,000 to over 10,000 accounts.

Personnel (Approx.):
3 officers (SC) and 31 enlisted—Total 34

Material (Major items only):
- Housing—Approximately 3 huts
- Office equipment and supplies
- Disbursing forms, etc.

Weight: Approx. 18 long tons
Cube: Approx. 27 measurement tons

D21—DISBURSING OFFICE (MEDIUM)

Provides complete disbursing facilities for the handling of from 2,000 to 5,000 accounts.

Personnel (Approx.):
2 officers (SC) and 16 enlisted—Total 18

Material (Major items only):
- Housing—Approximately 2 huts
- Office equipment and supplies
- Disbursing forms, etc.

Weight: Approx. 12 long tons
Cube: Approx. 18 measurement tons

D22—DISBURSING OFFICE (SMALL)

Provides complete disbursing facilities for the handling of up to approximately 2,000 accounts.

Personnel (Approx.):
- One officer and 5 enlisted—Total 6

Material (Major items only):
- Housing—Hut
- Office equipment and supplies
- Disbursing forms, etc.

Weight: Approx. 6 long tons
Cube: Approx. 9 measurement tons
D23—LOGISTICS SUPPORT COMPANY

A component organized, trained and complemented to perform a variety of duties in connection with units now formed or forming. The activity to which these companies are attached will provide such functions as supply, disbursing, medical, welfare, and security. The organization is well versed in warehousing, stowage, repair and protection of various types of cargo such as fragile, heavy, bulk, drum, ammunition, etc. It is also capable of handling and repairing all appurtenant miscellaneous gear as pallets, slings, nets, lights, tarpaulins, and cargo handling equipment.

Personnel (Approx.):
5 officers and 250 enlisted—Total 255

Material (Major Items Only):
Special and Protective Clothing
Office Equipment, Machine and Supplies
Galley Gear and Mess Gear
Cots, Mattresses, bedding, and Linens
Cobbler, Barber, and Tailor Kit
Consumables—30-day supply of dry provisions, 90-day supply of clothing and small stores, ships store stock, and standard stock items for approximately 250 men.
Huts for galley (including interior fixtures)
Dry and refrigerated storage
Laundry (scrub decks)
Showers (knock-down) and pit latrines
Tents for housing, messing storage
Water systems—purification, distribution, and distillation
Power and lighting systems
Transportation equipment—Truck (Approx. 2)
Cargo handling and additional transportation equipment (to be provided by base)
Miscellaneous hand tools, camp supplies, and building materials

Weight: Approx. 220 long tons
Cube: Approx. 480 measurement tons
E—SHIP AND BOAT REPAIR COMPONENTS

Ordinance shops and facilities are *not* a part of any of these components and if they are desired as part of a repair base should be requested as separately listed in section "J" of this catalogue.

The following floating drydocks can be used to supplement E Components:
- ARD—3,000 ton closed bow seagoing dock with 3 officers and 54 to 63 men.
- YFD—1,000 to 20,000 ton orthodox type dock with 1 to 3 officers and 18 to 58 men.
- ABSD (BB)—Ten section docks capable of 100,000 ton capacity with 12 officers and 457 men.
- ABSD (CB)—Seven section dock capable of approximately 50,000 ton capacity with 12 officers and 315 men.
- AFD—1,000 ton, open end, ship-shaped military type, steel pontoon dock with 1 officer and 18 men.

The complements of the "E" components are based on two-shift operation. The two-shift complement will be furnished to all the "E" Components initially and will be the Standard Complement. When the mission of any of the components below indicates a work load that can be handled by a one-shift operation, it should be so stated in the request for the component ordered. Conversely when a three-shift operation is indicated or found necessary, the request for the component should so state.

The following are the approved complements:

<table>
<thead>
<tr>
<th>Functional Components</th>
<th>Complement</th>
<th>1-shift operation</th>
<th>2-shift operation</th>
<th>3-shift operation</th>
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Amendment No. 3
E1—SHIP REPAIR (GENERAL)

Makes voyage repairs and repairs minor battle damage to all types of vessels in the fleet. It is the shore based with shop facilities larger than a Repair Ship (AR) plus the special tools found on a Destroyer Tender (AD) and a Submarine Tender (AS) and minus all ordnance shops. It is recommended that Area Commanders order appropriate Ordnance (J) Components to round out the repair facilities of the base. See Section J for a recommended list.

Personnel (Approx.):
22 officers and 720 enlisted—Total 742
(This complement is for two-shift operation)

Material (Major items only):
Hull Repair Equipment—primarily for heavy hull work;
Boiler and Shipfitter Shop
Welding Shop
Blacksmith Shop Foundry
Sheet Metal Shop
Coppersmith and Pipe Shop

Machinery Repair Equipment—primarily for main and auxiliary machinery of vessels;
Machine Shop (General)
Internal Combustion Engine Shop

Permanent Fitting Repair Equipment—primarily for minor repair;
Carpenter and Patternmaker Shop
Electrical and Refrigeration Shop
Battery Shop
Canvas and Gas Mask Shop
Radio, Radar and Sonar Shop
Gyro Compass repair kit and tools

Tender spares, parts, tools and books

Shop Consumables—90 day initial supply (90 day replenishment on request)

Housing—Approximately 13 utility bldgs. 40 x 100; 6 utility bldgs, 102 x 100; and one hanger type bldg 200 x 200

Utilities—Water, heat (as necessary), power and compressed air supply

Waterfront Structures—Pontoon wharf, bridge, barges and propelling units

Transportation Equipment—Trucks, dock mules, dock trailers and shop platform trailers

Construction Materials—Cranes, hoists, air compressors, lumber, cement, hardware, etc.

Weight: Approx. 3,700 long tons
Cube: Approx. 7,500 measurement tons
E2—SHIP REPAIR (CAPITAL SHIPS)

Makes voyage repairs and repairs minor battle damage to all types of vessels in the fleet, primarily to capital ships. It is the shore based equivalent of the shop facilities of a Repair Ship (AR) minus all ordnance ships. It is recommended that Area Commanders order appropriate Ordnance (J) components to round out the repair facilities of the base. See Section J for a recommended list.

Personnel (Approx.):
21 officers and 695 enlisted—Total 716.
(This complement is for two-shift operation.)

Material (Major items only):
Hull Repair Equipment—primarily for heavy hull work:
  Boiler and Shipfitter Shop
  Welding Shop
  Foundry and Blacksmith Shop
  Sheet Metal Shop
  Coppersmith, Pipe and Welding Shop
Machinery Repair Equipment—primarily for main and auxiliary machinery of vessels:
  Machine Shops Nos. 1, 2, and 3
  Internal Combustion Engine Shop
Permanent Fitting Repair Equipment—Primarily for small repairs:
  Carpenter and Pattermaker Shop
  Electrical and Refrigeration Shop
  Canvas and Gas Mask Shop
  Radio, Radar and Sonar Shop
  Gyro Compass repair kit and tools
  Tender spares, parts, tools and books
Shop Consumables—90 day initial supply (90 day replenishment on request)
Housing—Approximately 19 utility bldgs., 40 x 100
Utilities—Water, heat (if necessary), power and compressed air supply
Waterfront Structures—pontoon wharf, bridge, barges and propelling units
Transportation Equipment—Trucks, dock mules, dock trailers and shop platform trailers
Construction Materials—Cranes, hoists, air compressors, lumber, cement, hardware, etc.

Weight: Approx. 3,500 long tons
Cube: Approx. 7,000 measurement tons
E3—SHIP REPAIR (DESTROYERS)

Makes voyage repairs and repairs minor battle damage to most types of ships but particularly to destroyers or smaller vessels. It is the shore based equivalent of a Destroyer Tender (AD) minus all ordnance shops. It is recommended that Area Commanders order appropriate Ordnance (O) Components to round out the repair facilities of the base. See Section J for a recommended list.

Personnel (Approx.):
19 officers and 533 enlisted—Total 652
(This complement is for two-shift operation)

Material (Major items only):
Hull Repair Equipment—primarily for heavy hull work:
  Boiler and Shipfitter Shop
  Welding Shop
  Foundry and Blacksmith Shop
  Sheet Metal Shop
  Pipe and Coppersmith Shop
Machinery Repair Equipment—primarily for main and auxiliary machinery of vessels:
  Machine Shops Nos. 1 and 2
  Internal Combustion Engine Shop

Permanent Fitting Repair Equipment—primarily for small repairs:
  Carpenter and Patternmaker Shop
  Electrical and Refrigeration Shop
  Canvas and Gas Mask Shop
  Radio, Radar and Sonar Shop
  Gyro Compass repair kit and tools
  Tender spares, parts, tools and books

Shop Consumables—90 day initial supply (90 day replenishment on request)

Housing—Approx. 12 utility bldgs., 40’ x 100’
Utilities—Water, heat (if necessary), power and compressed air supply

Waterfront Structures—pontoon wharf, bridge, barges and propelling units

Transportation Equipment—Trucks, trailers, tractors, dock trailers and shop platform trailers

Construction Materials—Cranes, hoists, air compressors, lumber, cement, hardware, etc.

Weight: Approx. 2,500 long tons
Cube: Approx. 4,500 measurement tons

Amendment No. 2
E4—SHIP REPAIR (SUBMARINES)—Obsolete

E5—SHIP SERVICING COMPONENT

A docking and working party intended to perform ship's force work such as running out fuel and power lines, assisting in docking, moorings, provisioning and other such service functions to destroyers, submarines and to transient vessels. It will function under the Port Director. It is not necessary where other repair components exist which include the nonartisan labor necessary to accomplish these tasks.

Personnel (Approx.):
3 officers and 86 enlisted—Total 89
(This complement is for two shift operation)

Material (Major items only):
Housing—Utility bldg. for workshop
Utilities—Water supply
Pontoon barges
Transportation—trucks
Miscellaneous tools and gear as necessary

Weight: Approx. 171 long tons
Cube: Approx. 549 measurement tons
E6—LANDING CRAFT BASE REPAIR COMPONENT

Repairs both hulls and engines of all types of landing craft. It is specifically designed to maintain the following craft and provide them with spare parts for six months:

12 LST
12 LCI (L)
12 LCS (L) (2)
12 LSM (6 Fairbanks Morse

Engines & 6 General Motors)

It is recommended that Area Commanders order appropriate Ordnance (J) Components to round out the repair facilities of the base. See Section J for a recommended list.

Personnel (Approx.):
21 officers and 499 enlisted—Total 520
(This complement is for two-shift operation)

Material (Major items only):
Repair Equipment as follows:
Carpenter, Patternmaking and Storage Shop
Shipfitter, Sheet Metal, Pipe and Coppersmith Shop
Blacksmith, Foundry, Propeller and Welding Shop
Machine Shop No. 1
Electrical, Instrument, Compass, Radio Shop
Engine Repair Shop
Battery Shop
Miscellaneous: Jaheemy, diving outfits, sewing machine

Spare Parts—Radio, radar and sonar only (See E6A)
Shop Consumables—90 day initial supply (90-day replenishment on request)

Housing—Approximately 9 utility bldgs., 40' x 100', and 2 huts, 20' x 48'
Utilities—Water, heat (if necessary), electric power and compressed air supply

Tank Farm—Approx. 50,000 bbls.

Marine Railway

Waterfront structures—Barges, ramps, piers, moorings and pontoon drydock

Transportation Equipment—Trucks, dock mules, trailers, etc.

Construction Materials—Crawler crane, hoist, lumber, cement, steel, hardware, etc.

Weight: Approx. 2,400 long tons
Cube: Approx. 5,200 measurement tons

Amendment No. 3
E6A—LANDING CRAFT SPARE PARTS (LARGE)

This component is designed to be added to an E6 Component. It provides initial stocks (six months' supply) of hull, machinery and internal-combustion engine spare parts for the following craft:

- 12 LST
- 12 LCI (L)
- 12 LCS (L) (3)
- 12 LSM (6 with Fairbanks Morse and 6 with General Motor Engines)

Personnel (Approx.):
- One officer and one enlisted—Total 2 (to ride as super cargo)

Material (major items only):
- Spare parts for hull, machinery and internal-combustion engine in above craft
- Housing and other facilities to be furnished by E6 Component

Weight: Approx. 120 long tons
Cube: Approx. 260 measurement tons

E7—SALVAGE GEAR—Obsolete
**E8—REPAIR—SMALL BOAT**

Maintains and repairs both hulls and engines of the small boats at a small or medium sized advanced base with 25 assorted craft including 50' tank lighters and 36' landing craft.

Personnel (Approx.):

4 officers and 102 men—Total 106
(This complement is for two-shift operation)

Material (Major items only):

Repair Equipment as follows:
Machine Shop No. 1
Carpenter and Patternmaker Shop
Shop consumables—90 day initial supply (90 day replenishment on request)

Housing—Utility bldg.
Utilities—Power and water supply
Waterfront Structures—Fonntoon barges, wharf, and drydock
Transportation—Trucks and trailers
Construction Materials—Crane, tractor, hoist, lumber, cement, hardware, etc.

Weight: Approx. 700 long tons
Cube: Approx. 1,900 measurement tons

**E9—REPAIR—SMALL AMPHIBIOUS CRAFT (MOTORIZED)**

A truck mounted component designed to make hull and engine repairs to 50' and 36' amphibious craft and other small boats at any point beyond the range of stationary repair facilities. Basically it has three distinct functions:

(a) It can be moved from its parent base as a working unit to a single disabled craft. Upon arrival, it can perform hull repairs and top motor overhaul so that the craft can return to its base.

(b) It can move out as a self contained unit for about one week and maintain approximately 25 LCVP's and LCM's. This maintenance period can be extended by the establishment of a flow of supplies from the parent base.

(c) The two truck-mounted shops can be divided and each attached to one of the shops of an E10 Component to increase the scope of the E10 by about 15 percent.

Personnel (Approximate):

No officers and 18 enlisted—Total 18
(This complement is for two-shift operation)

Material (Major items only):

Machine shop (truck mounted)
Forge, welding, and carpenter shop (truck mounted)
Battery and engine shop (truck mounted)

Spare parts van containing shop consumables and spares for trucks and shop equipment (ICE and Hull Spare Parts for Landing Craft and Boats are not included and will be supplied from the Area)

Power and light facilities
Housing—Hut

Weight: Approx. 60 long tons
Cube: Approx. 200 measurement tons

Amendment No. 3
THE E9 COMPONENT

From left to right: Spare parts van; forge, welding, etc., shop and machine shop.

THE E9A COMPONENT

A tray being loaded onto an LVT. The retriever tray loaded on its LVT.
Drill press side of machine shop tray.

Engine and transmission overhaul tray with overhaul stands in working position.
E6A—LANDING CRAFT SPARE PARTS (LARGE)

This component is designed to be added to an E6 Component. It provides initial stocks (six months' supply) of hull, machinery and internal-combustion engine spare parts for the following craft:

12 LST
12 LCI (L)
12 LCS (L) (3)
12 LSM (6 with Fairbanks Morse and 6 with General Motor Engines)

36 LCT (5) of LCT (6)
200 LCM
100 LCV (P)

Personnel (Approx.):
One officer and one enlisted—Total 2 (to ride as super cargo)

Material (major items only):
Spare parts for hull, machinery and internal-combustion engine in above craft
Housing and other facilities to be furnished by E6 Component

Weight: Approx. 120 long tons
Cube: Approx. 260 measurement tons

E7—SALVAGE GEAR—Obsolete.
E8—REPAIR—SMALL BOAT

Maintains and repairs both hulls and engines of the small boats at a small or medium sized advanced base with 25 assorted craft including 50' tank lighters and 36' landing craft.

Personnel (Approx.):
4 officers and 102 men—Total 106
(This complement is for two-shift operation)

Material (Major items only):
Repair Equipment as follows:
  Machine Shop No. 1
  Carpenter and Patteremaker Shop
  Shop consumables—90 day initial supply (90 day replenishment on request)
  Housing—Utility bldg.
  Utilities—Power and water supply
  Waterfront Structures—Pontoon barges, wharf, and drydock
  Transportation—Trucks and trailers
  Construction Materials—Crane, tractor, hoist, lumber, cement, hardware, etc.

Weight: Approx. 700 long tons
Cube: Approx. 1,900 measurement tons

E9—REPAIR—SMALL AMPHIBIOUS CRAFT (MOTORIZED)

A truck mounted component designed to make hull and engine repairs to 50' and 36' amphibious craft and other small boats at any point beyond the range of stationary repair facilities. Basically it has three distinct functions:

(a) It can be moved from its parent base as a working unit to a single disabled craft. Upon arrival, it can perform hull repairs and top motor overhaul so that the craft can return to its base.

(b) It can move out as a self contained unit for about one week and maintain approximately 25 LCVP's and LCM's. This maintenance period can be extended by the establishment of a flow of supplies from the parent base.

(c) The two truck-mounted shops can be divided and each attached to one of the shops of an E10 Component to increase the scope of the E10 by about 15 percent.

Personnel (Approximate):
No officers and 18 enlisted—Total 18
(This complement is for two-shift operation)

Material (Major items only):
  Machine shop (truck mounted)
  Forge, welding, carpenter and battery shop (truck mounted)
  Spare parts van containing shop consumables and spares for trucks and shop equipment (ICE and Hull Spare Parts for Landing Craft and Boats are not included and will be supplied from the Area)
  Power and light facilities
  Housing—Hut

Weight: Approx. 49 long tons
Cube: Approx. 188 measurement tons
E9A—MOBILE LVT REPAIR COMPONENT

A highly mobile facility for repairing and salvaging amphibious tractors. The Unit Shops are designed to be transported in amphibious tractors and intended to go ashore with one of the early waves of an action. It will do spot repairs to battle damaged LVT’s and generally assist the beachmaster in keeping the beach clear, in addition to regular operating maintenance. It is capable of quick dismantling and removal. It is self-sustaining so far as materials, fuel, food and berthing for personnel are concerned for a period of four days. The component consists of necessary Repair Shops and an LVT(4) equipped as a retrieving and limited salvage vehicle. Each shop is a complete unit built on skids with a working platform. It is designed to fit into, and be loaded on or off by the LVT(4) which carries it. Each shop weighs approximately 7,500 lbs. or less and each skid is 11’10” x 6’6”. LVT(4)’s must be furnished to land the shop trays. The retriever is an LVT(4) equipped for towing other tractors out of difficult positions. Subject to weight limitations, it will retrieve tractors disabled in surf or in mud or sand ashore, and with its crane salvage motors and transmissions.

Personnel (Approx.):
One officer and 19 enlisted—Total 20
(This complement is for two shift operation)

Material:
Seven fully equipped shops on skidded trays as follows:
- Hull Repair—With welder, compressor and power tools
- Retriever—With pump, winch and “A” frame
- Machinery Repair—With generator, drill press, grinder, arbor press, lathe and scraper
- Engine and Transmission Overhaul—With battery charger, press, and test stand
- LVT Spares—With storage cabinets only (Spare parts are not included unless requested. Normally the spare parts will be supplied from the area)
- Consumables—With oxygen tanks, plate, and parts cabinets
- Utilities—With radio, galley and miscellaneous items

One LVT(4), radio equipped, permanently assigned to carry the Retriever tray

Weight: Approx. 30 long tons
Cube: Approx. 180 measurement tons
E10—STANDARD LANDING CRAFT UNIT—MAINTENANCE COMPONENT

Maintains 60 landing craft (40 LCM's and 20 LCV (P)'s) assuming 20% under repair at all times. Repairs both hulls and engines and maintains 6 months supply of spare parts.

Personnel (Approx.):
5 officers and 199 enlisted—Total 204
(This complement is for two-shift operation)

Material (Major items only):

Repair Equipment:
Machine and Engine Overhaul Shop
Carpenter Shop
Shipfitter Shop
Electrical Shop
Deck Force Tools
Spare parts NOT provided (see E10A)

Shop Consumables—90 day initial supply (90 day replenishment on request)

Housing—Approximately 3 utility bldgs., 40' x 100'

Utilities—Water, heat (if necessary), water and compressed air

Waterfront Structures—Pontoon drydock, pierced planks and wire mesh steel mats, barges, piers, moorings

Transportation Equipment—Trucks and trailers

Construction Materials—Cranes, hoists, air compressors, lumber, cement, hardware, etc.

Weight: Approx. 1,000 long tons
Cube: Approx. 2,500 measurement tons

E10A—LANDING CRAFT SPARE PARTS (SMALL)

This component is designed to be added to an E10 Component. It provides initial stocks (six months supply) of hull, machinery and internal combustion engine spare parts for 40 LCM's and 20 LCV (P)'s.

Personnel (Approx.):
One officer and one enlisted—Total 2 (to ride as super cargo)

Material (Major items only):
Spare parts for hull, machinery and internal combustion engine in above craft

Housing and other facilities to be furnished with E10 Component

Weight: Approx. 70 long tons
Cube: Approx. 140 measurement tons

Amendment No. 2
E11—PT OPERATING BASE REPAIR COMPONENT

Provides facilities for major hull repair, minor engine repair, and replacement of engines for one operating squadron of PT Boats. Engines requiring major overhaul will be replaced with spare engines at the operating base and shipped by tender, or other available means of transportation, to an operating base with a major engine overhaul component.

Personnel (Approx.):
3 officers and 131 enlisted—Total 134
(This complement is for two-shift operation)

Material (Major items only):
Repair Equipment as follows:
Machine Shop No. 1
Carpenter Shop
Spare Parts—radio, radar, sonar
Shop Consumables—90 days initial supply (90 day replenishment on request)
Housing—approximately 4 utility buildings, 40’ x 100’
Utilities—Water, heat (if necessary), power and compressed air
Waterfront Structures—Pontoon drydock, PT moorings, Marine railway, pontoon tank barges, piers, barges, etc.
Transportation Equipment—Trucks and trailers
Construction Equipment—Crane, tractors, lumber, cement, hardware, etc.

Weight: Approx. 1,000 long tons
Cube: Approx. 2,500 measurement tons

E12—PT MAJOR ENGINE OVERHAUL COMPONENT

This component is designed to be added to a Motor Torpedo Boat Operating Base. It provides facilities for the major engine overhaul (only) of four operating squadrons of PT Boats. Engines needing overhaul are removed at outlying operating bases and shipped by tender or other means to an operating base containing this component.

Personnel (Approx.):
2 officers and 82 enlisted—Total 84
(This complement is for two-shift operation)

Material (Major items only):
Additional Repair Equipment for use in
Machine Shop No. 1 of the E11 Component
Carpenter Shop of the E11 Component
Shop Consumables—90 days initial supply (90 day replenishment on request)
Housing—Approximately 2 utility buildings, 40’ x 100’
Utilities—Water and power
Construction Materials—Hoist, lumber, cement and hardware

Weight: Approx. 150 long tons
Cube: Approx. 200 measurement tons
E13—MINESWEEPING EQUIPMENT REPAIR COMPONENT (LARGE)

Will make repairs to, and have available replacements and spare parts as noted below for, minesweeping equipment such as magnetic cable, acoustic hammers, sweep wire, etc., for thirteen or more minesweepers. The quantity of material will vary according to the number of ships to be served.

Personnel (Approx.):
- 2 officers and 8 enlisted—Total 10
(Specialists in sweep gear maintenance)

Material (Major items only):
- (a) Utility buildings (2) for shop and storage, 40' x 100'
Tools, special gear and repair equipment, and gear handling facilities
- *(b) Spare sweep gear and parts for maintenance and repair of influence and moored minesweeping equipment in specified ships

Weight (approx.) in long tons (for 13 ships):

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<tr>
<th></th>
<th>Group (a)</th>
<th>Group (b)</th>
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Cube (approx.) in measurement tons (for 13 ships):

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<tr>
<th></th>
<th>Group (a)</th>
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<td>650</td>
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E14—MINESWEEPING EQUIPMENT REPAIR COMPONENT (MEDIUM)

Will make repairs to, and have available replacements and spare parts as noted below for, minesweeping equipment such as magnetic cable, acoustic hammers, sweep wire, etc., for seven to twelve minesweepers. The quantity of material will vary according to the number of ships to be served.

Personnel (Approx.):
- One officer and 6 enlisted—Total 7
(Specialists in sweep gear maintenance)

Material (Major items only):
- (a) Utility building for shops and storage, 40' x 100'
Hut for shops and storage, 20' x 48'
Tools, special gear and repair equipment, and gear handling facilities
- *(b) Spare sweep gear and parts for maintenance and repair of influence and moored minesweeping equipment on specified ships

Weight (approx.) in long tons (for 7 ships):

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<th>Group (b)</th>
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<tbody>
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Cube (approx.) in measurement tons (for 7 ships):

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<th>Group (a)</th>
<th>Group (b)</th>
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<td>38</td>
<td>364</td>
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E15—MINESWEEPING EQUIPMENT REPAIR COMPONENT (SMALL)

Will make repairs to, and have available replacements and spare parts as noted below for, minesweeping equipment such as magnetic cable, acoustic hammers, sweep wire, etc., for one to six minesweepers. The quantity of material will vary according to the number of ships to be served.

Personnel (Approx.):
- One officer and 4 enlisted—Total 5
(Specialists in sweep gear maintenance)

Material (Major items only):
- (a) Utility building for shop and storage, 40 x 100.
Tools, special gear and repair equipment, and gear handling facilities
- *(b) Spare sweep gear and parts for maintenance and repair of influence and moored minesweeping equipment on specified ships

Weight (approx.) in long tons (for one ship):

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<th>Group (a)</th>
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<td>41</td>
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Cube (approx.) in measurement tons (for one ship):

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<th>Group (a)</th>
<th>Group (b)</th>
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*NOTE.—Material under group (b) above will be supplied from stocks at Spare Parts Distribution Center designated by BuShips. The Area Commander will effect shipment thereof, and will arrange for the required transportation to destination. This equipment will not be shipped from the U. S. with these components.
A plant capable of generating 55–80 lbs. of liquid oxygen per hour, or sufficient oxygen to fill 1,200–1,600 standard 220 cubic foot cylinders per month with oxygen at 2,000 lbs. per square inch pressure, suitable for all uses including aviator's breathing. The plan includes liquid oxygen storage tanks for 2–5 days production, and converters for the charging of standard 220 cubic foot cylinders from storage at the rate of 12 per hour. The plants will be one of 3 available types, Linde Air Products, Badger, or Air Products Inc. Due to critical engineering and procurement of this equipment, the generating plans will vary in design within the limits shown above. The type shipped to a base will depend on the availability of plants and the type of plants previously shipped to an area. The personnel will be trained chiefly for the particular type of plant shipped.

When three (3) or more compressed gas components are to operate at the same base, it is recommended that additional officer and enlisted personnel be requested by the Area Commander to perform supervisory duties.

Personnel (Approx.):

No officer and 12 enlisted—Total 12

(Note.—For certain designs of this equipment only 10 enlisted for operation are required and only 10 will be sent. One officer from the area should be designated to take charge of all plants in the area.)

Material (Major items only):

Generating plant as follows:
- Air compressor plant, electric driven
- Liquid oxygen generating equipment
- Liquid oxygen storage
- Cylinder charging equipment
- Spare parts, tools, and 6 mos. supply of consumable chemicals

Cylinder and valve shop equipment as follows:
- Vises (2) for removing and installing valves
- Cleaning equipment
- Drier for five cylinders per hour
- Evacuating equipment
- Painting and marking facilities
- Tools, spare, and one year's supply of paint, spare valves, and valve parts

Building, 40' x 100', (1), for plant, shop and storage
- Trucks (2)
- Generator sets, 75 KW diesel, (3)
- Office equipment and supplies

Weight: Approx. 225 long tons
Cube: Approx. 300 measurement tons
E17—ACETYLENE GENERATING PLANT

A mobile acetylene generating and cylinder charging plant, mounted in a van type semitrailer with dolly, capable of continuous generation of a minimum of 500 cubic feet per hour. The plant should be located near a clear water supply. When three (3) or more compressed gas components are to operate at the same base, it is recommended that additional officer and enlisted personnel be requested by the Area Commander to perform supervisory duties.

Personnel (Approx.):
- No officers and 9 enlisted—Total 9
  (For 2 shift operation)

Material (Major items only):
- Mobile plant consisting of;
  - Twin acetylene generators
  - 2 stage compressor, 3 line
  - High pressure manifold system
  - Cylinder charging equipment
  - 15 KW Diesel electric generator set
  - Van type semitrailer, with dolly
  - Chemicals for gas generation and compression
  - Consumables (Fuel, Oil, etc.)

Housing—Approx. 3 huts

Transportation Equipment—Truck, tank truck

Weight: Approx. 160 long tons

Cube: Approx. 240 measurement tons

E18—BULK CARBON DIOXIDE TRANSFER COMPONENT—Obsolete

E19—TYPEWRITER REPAIR COMPONENT

Provides facilities for the minor repair of 50 typewriters per month. Minor repairs can be made to other types of office machines. When assigned to a base at which an Optical Shop (J10) is located, this component will operate in conjunction with that shop and will thereby be capable of making major repairs.

Personnel (Approx.):
- No officers and one man—Total one

Material (Major items only):
- Spare parts for standard makes of machines
- Tool kit and special typewriter tools
- Cabinets for spare parts
- Turntable and bench light
- Housing—hut

Weight: Approx. 7 long tons

Cube: Approx. 13 measurement tons
E20—BASE LVT REPAIR COMPONENT

Provides facilities for the major repair and overhaul of 100 LVT's per month, where the accomplishment of such repair is beyond the scope of the regularly established Army or Marine Corps organic repair and maintenance agencies. Completely overhauls worn or battle damaged hulls and overhauls or makes replacement of armor, engines, transmissions, differentials and radio gear. LVT's damaged or worn beyond the capacity of this Component will be returned to the U.S. for salvage or rebuilding. Tractor spare parts will be stocked by the E20 for its own use and for replenishment of E9A Components.

Personnel (Approx.):
  15 officers and 270 enlisted—Total 285
  (Note.—Complement is for two-shift operation and includes 7 WO and 158 rated men).

Material (Major items only):
  Repair Shops: Machine and electrical, sheet metal, pipe, shipfitter, outside machinist, blacksmith, battery, radio, engine, transmission and differential and boatswain's locker
  Weight handling gear
  Buildings—Hangar, 110' x 185' (1) and utility, 40' x 100' (5), hut, 20' x 48' (1)
  Utilities: Electrical, water, compressed air, high pressure steam, sewerage
  Automotive equipment
  Shop consumables—90 day initial supply (90 day replenishment on request)

Weight: Approx. 1,150 long tons
Cube: Approx. 1,550 measurement tons
E21—PT SQUADRON PORTABLE BASE EQUIPMENT

Provides a PT Squadron of from 8 to 12 boats with portable, light weight repair and operating equipment. It is designed to be carried aboard PT Boats or other similar small craft and put ashore at a location as much as 350 miles in advance of the nearest PT Boat Operating Base. The equipment will permit the making of front line emergency repairs of a minor nature such as replacing propellers, minor above water hull repairs, etc. It will act as a small temporary base under the direction of the squadron commander where boats can refuel and reprovision, where emergency medical treatment is available, and where a small radio station capable of transmitting on two frequencies can maintain contact with the nearest operating base.

It is intended that this component will be assigned to a squadron and not to a base. If, later, a PT Operating Base is set up on the site selected by the Squadron for their temporary base, this component is to be retained intact by the squadron for use in a still more advanced location. Items of equipment supplied with this component will be dropped from squadron allowances where duplication exists.

This equipment will be operated by the repair personnel regularly assigned to the squadron therefore only nucleus personnel are provided.

Personnel (Approx.):

- Officer (Ordnance) .................................................. 1
- Enlisted (6 Artificer & 2 Hosp. Corps) .......................... 8

Total ............................................................................. 9

Material (Major items only):
- Small machine and carpenter shop including 14" band saw, 6" joiner, portable welder, and bench grinder
- Shallow water diving outfit
- Spares for Packard engines
- Radio equipment: Model MM radio transmitting-receiving equipment complete with one LM frequency meter and gas engine driven generator and antenna
- 26 mm guns complete with ammunition (2)
- Squadron gun and mount spares
- Compressor, 1.7 cu. ft., and torpedo top-off tools
- Tents for barracks (150 off. & Men) and dispensary
- Distillation unit, 33 GPH, and 3,000 gal. canvas tank
- Pumps for gasoline (3) and general purpose (2)
- Field ranges, Army type (3) and refrigerators, 8 cu. ft. (3)
- Generators, 5 kW, (2) and wiring for dispensary tents
- Cots, chairs, netting, etc.
- Moorings, PT Boat type (6)
- Construction materials; lumber, nails, etc.
- Medical equipment and supplies for 10 bed dispensary
- Shop consumables

Personnel consumables: camp equipment, housekeeping, stores and galley gear

Weight: Approx. 70 long tons
Cube: Approx. 130 measurement tons
E22—LANDING AND PATROL CRAFT REPAIR (MOBILE)

Using the principle of tray mounted self-powered tools, this component can be operated in four distinct ways. As a self-contained unit, it can be established on a beach early in an invasion for combat repairs on all types of landing craft along an extended section of a beach. It can move with a group of approximately 100 LCM's and LCVP's and handle routine maintenance and minor repairs for a period of about two weeks. The maintenance period can be extended by establishing a flow of supplies. It can also move in with the first echelon of a large repair base such as a lion and maintain ferries, lighters, and other equipment until the main repair facilities are set up. In a congested area it can be used in conjunction with, but at some distance from, a large repair facility.

Personnel (Approx.):
4 officers and 82 enlisted—Total 86
This complement is for one shift operation.

Material (Major items only):

- Hull Repair (Steel)
  - Plate Shop
  - Sheet Metal Shop—A
  - Sheet Metal Shop—B
  - Blacksmith Shop
  - Welding Shop
- Hull Repair (Wood)
  - Woodworking Shop—A
  - Woodworking Shop—B
- Machinery Repair
  - Lathe Shop
  - Shaper, Miller Shop
  - Engine Overhaul Shop
  - Drill Press Boring Shop

Mobile Equipment—2 bulldozers or LVT Retrievers, Jeep, La Tourneau Crane, Water Still and a 75-kw Diesel power plant

Housing—Not provided unless specifically requested

Weight: Approx. 140 long tons
Cube: Approx. 700 measurement tons
E23—HYDROGEN AND CO₂ GENERATING PLANT—Obsolete

E24—CARBON DIOXIDE GENERATING PLANT

A mobile CO₂ generating and cylinder charging plant, mounted in a van type semi-trailer with dolly, capable of filling 2½ to 3 standard 50-pound capacity CO₂ cylinders per hour. The plant is provided with a separate skid-mounted, refrigerated low-pressure liquid CO₂ storage tank of 5 tons capacity, which is equipped with a transfer pump capable of charging a minimum of 1,000 pounds per hour into 50-pound cylinders or 15-pound fire extinguishers.

When three (3) or more compressed gas components are to operate at the same base, it is recommended that additional officer and enlisted personnel be requested by the Area Commander to perform supervisory duties.

Personnel (Approx.):
No officers and 8 enlisted—Total 8. (This complement is for 2 shift operation. This plant should be under supervision of officer or officers assigned to E16 and E17 Components in the area.)

Material (Major items only):
Mobile Plant consisting of:
- Oil combustion chamber
- CO₂ absorption system
- CO₂ regenerator
- CO₂/compression and cooling system
- Van type semitrailer with dolly

One Portable Transfer Tank consisting of:
- 5-ton capacity 300 psi CO₂ storage and transfer tank (11' x 7' x 8')
- Refrigerating unit
- Cylinder charging pump
- Platform scale
- Spare parts and tools
- Chemicals for CO₂ absorption and purification
- Consumables (Diesel oil, fresh water, etc.)
- Generator Set, 75 KW Diesel (1)
- Building, 40' x 100' Stran—Steel
- Transportation Equipment, 1 truck, tank trailer

Weight: Approx. 65 long tons
Cube: Approx. 200 measurement tons
E24—CARBON DIOXIDE GENERATING PLANT

A mobile CO₂ generating and cylinder charging plant, mounted in a van type semi-trailer with dolly, capable of filling 2½ to 3 standard 50-pound capacity CO₂ cylinders per hour. The plant is provided with a separate skid-mounted, refrigerated low-pressure liquid CO₂ storage tank of 5 tons capacity, which is equipped with a transfer pump capable of charging a minimum of 1,000 pounds per hour into 50-pound cylinders or 15-pound fire extinguishers.

Personnel (Approx.):
No officers and 8 enlisted—Total 8. (This complement is for 2 shift operation. This plant should be under supervision of officer or officers assigned to E16 and E17 Components in the area.)

Material (Major items only):
Mobile Plant consisting of:
- Oil combustion chamber
- CO₂ absorption system
- CO₂ regenerator
- CO₂/compression and cooling system
- Van type semitrailer with dolly
One Portable Transfer Tank consisting of:
- 5-ton capacity 300 psi CO₂ storage and transfer tank (11’ x 7’ x 8’)
- Refrigerating unit
- Cylinder charging pump
- Platform scales
- Spare parts and tools
- Chemicals for CO₂ absorption and purification
- Consumables (Diesel oil, fresh water, etc.)
- Generator Set, 75 KW Diesel (1)
- Building, 40’ x 100’ Stran—Steel
- Transportation Equipment, 1 truck, tank trailer

Weight: Approx. 65 long tons
Cube: Approx. 200 measurement tons

Amendment No. 2
F—STEVEDORING COMPONENTS

F1—CONSTRUCTION BATTALION (SPECIAL)

A CB (Special) is a stevedoring battalion. It consists of four construction companies and one headquarters company, each company being self-sufficient. Each company is designed to unload one standard Liberty ship and each battalion can unload four ships simultaneously.

If Construction Battalions (Special) become necessary for construction or stevedoring, specific request will be made to the Chief of Naval Operations. If request is approved, necessary battalions will be supplied. Area Commanders should examine their requirements for construction and stevedoring carefully in advance so that if sufficient local labor is not procurable, the Chief of Naval Operations may be so advised.

Personnel (Approx.):
34 officers and 1,064 enlisted—Total 1,098

Material (Major items only):
Stevedore Gear—Gravity roller conveyors (36); power conveyor; dock mules (12); cargo trailers, 2 ton (96); cargo trailers, 10 ton (8); hand trucks (80); fork lift trucks, 3 ton (12); barges, 3 x 7, 50 ton (2); landing ramps, 30 ton (2); propelling units (2); crawler cranes, 5 ton (2); truck crane, 10 ton (1); tractors (5); and a variety of tool kits, hand tools, cargo nets, bridles, blocks, wire, and manila rope, welding equipment, shallow water diving apparatus, and miscellaneous stock and supplies

Transportation Equipment—Trucks, trailers, jeeps, ambulance
Equipment for headquarters, office, dispensary, drafting, and photography
Camp facilities—Housing, tents or huts; galley, laundry, hospital, power, communication, water supply, camouflage, decontamination and fire fighting
Personal Equipment—Clothing, beds, bedding, infantry equipment, mess gear and rations (2 days supply)

Weight: Approx. 1,500 long tons
Cube: Approx. 3,500 measurement tons
G—MEDICAL COMPONENTS

These components are ordinarily dispersed some distance away from the target area. It is expected that all "G" Components accompanying a Lion, Cub or Acorn Unit will be specifically allotted "N" Components to house and sustain their personnel.

Medical Components may be expanded to accommodate a reasonable number of additional patients by the use of additional Medical Department personnel, housing, beds and supplies.

Each Construction Battalion has its own 42 bed dispensary outfitted with field medical units.

G1—HOSPITAL—600 BED (WITH DISPENSARIES)—Obsolete

G2—DISPENSARY—600 BED

Provides adequate hospitalization for a force of 12,000 men. Housing, messing and barracks facilities for attached personnel are not provided, but are provided for patients.

Personnel (Approx.):

20 officers and 310 enlisted—Total 336

Material (Major items only):

Dispensary equipment and supplies
Dental equipment and supplies
Field ambulances (6) and trucks
Housing for dispensary—Approx. 87 huts
Housing for laundry, generator, refrig. storage, dispensary galley, mess, etc.—

Approx. 7 huts

Power and water systems

Weight: Approx. 1,800 long tons.

Cube: Approx. 3,500 measurement tons

G3—HOSPITAL—200 BED (WITH DISPENSARIES)—Obsolete

G4—DISPENSARY—200 BED

Provides adequate hospitalization for a force of 4,000 men. Housing, messing and barracks facilities for attached personnel are not provided but are provided for patients.

Personnel (Approx.):

13 officers and 172 enlisted—Total 185

Material (Major items only):

Dispensary equipment and supplies
Dental equipment and supplies
Field ambulances (2) and truck
Housing for dispensary—Approx. 37 huts
Housing for laundry, generator, refrig. storage, dispensary galley, mess, etc.—

Approx. 7 huts

Power and water systems

Weight: Approx. 825 long tons

Cube: Approx. 1,500 measurement tons

Amendment No. 3
G5—DISPENSARY—100 BED

Provides adequate hospitalization for a force of 2,000 officers and men. Housing, messing and barracks facilities for attached personnel are not provided but are provided for patients.

Personnel (Approx.):
6 officers and 100 enlisted—Total 106

Material (Major items only):
Dispensary equipment and supplies
Dental equipment and supplies
Field ambulance
Housing for dispensary—Approx. 22 huts
Housing for laundry, generators, refrig. storage, dispensary galley and mess, etc.—Approx. 6 huts
Power and water systems
Weight: Approx. 500 long tons
Cube: Approx. 900 measurement tons

G6—DISPENSARY—100 BED—MOBILE

A highly mobile dispensary, providing adequate hospitalization for a force of 2,000 officers and men. Housing, messing and barracks facilities for attached personnel are not provided but are provided for patients.

Personnel (Approx.):
6 officers and 79 enlisted—Total 85

Material (Major items only):
Field medical units
Dental equipment and supplies
Jeep Ambulance and truck
Housing for dispensary—Approx. 16 tents or 14 huts
Housing for laundry, generators, refrig. storage, dispensary galley and mess, etc.—Approx. 6 tents and a hut or 6 huts
Power and water systems
Weight: Approx. 350 long tons
Cube: Approx. 650 measurement tons

G7—DISPENSARY—50 BED

Provides adequate hospitalization for a force of 1,000 officers and men. Housing, messing and barracks facilities for attached personnel are not provided but are provided for patients.

Personnel (Approx.):
4 officers and 64 enlisted—Total 68

Material (Major items only):
Dispensary equipment and supplies
Dental equipment and supplies
Field ambulance and truck
Housing for dispensary—Approx. 13 huts
Housing for laundry, gen. storage, galley and mess, etc.—Approx. 3 huts
Power and water systems
Weight: Approx. 275 long tons
Cube: Approx. 500 measurement tons
G8—DISPENSARY—25 BED

Provides emergency service for 500 men where large hospital facilities are nearby. Housing, messing and barracks facilities for attached personnel are not provided but are provided for patients.

Personnel (Approx.):
- 1 officer and 12 enlisted—Total 13

Material (Major items only):
- Dispensary equipment and supplies
- Field ambulance
- Housing for dispensary—Approx. 5 huts
- Housing for laundry, gen. storage, galley, etc.—Approx. 3 huts

Weight: Approx. 150 long tons
Cube: Approx. 300 measurement tons

G9—DISPENSARY—10 BED

Provides emergency service to 200 officers and men where hospital facilities are nearby. Housing, messing and barracks facilities for attached personnel are not provided. Messing facilities for patients are provided by activities to which attached.

Personnel (Approx.):
- One officer and 4 enlisted—Total 5

Material (Major items only):
- Dispensary equipment and supplies
- Housing—Approx. 2 huts

Weight: Approx. 40 long tons
Cube: Approx. 100 measurement tons

G10—DISPENSARY—10 BED—MOBILE

Provides emergency service for PT Bases and other units of approximately 200 officers and men where highly mobile components are required. Housing, messing and barracks facilities for attached personnel are not provided. Messing facilities for patients are provided by the activity to which attached.

Personnel (Approx.):
- One officer and 3 enlisted—Total 4

Material (Major items only):
- Dispensary equipment and supplies
- Housing—Approx. 5 tents

Weight: Approx. 11 long tons
Cube: Approx. 36 measurement tons

G11—FIRST AID/DISPENSARY—Obsolete

G11A—FIRST AID SUB-DISPENSARY

For sick call and first aid functioning as a subsidiary of large G components located in the same vicinity. Housing, messing and barracks facilities are not provided for attached personnel.

Personnel (Approx.):
- One officer and 2 enlisted—Total 3

Material (Major items only):
- Dispensary equipment (Supplies and all minor items of dispensary equipment are to be obtained from larger medical facilities nearby).
- Housing—Hut, type E receiving bldg

Weight: Approx. 12 long tons
Cube: Approx. 20 measurement tons

Amendment No. 3
G12—FIRST AID CASE—Obsolete

G13—SUB-DISPENSARY DENTAL

Designed to augment those G components which normally have no dental officer or have an insufficient number of dental officers for the particular purpose for which the component is to be employed. The equipment is Standard Type.

Personnel (Approx.):
- One officer and one enlisted—Total 2

Material (Major items only):
- Dispensary equipment and supplies
- Housing is not provided
- Weight: Approx. 1 long ton
- Cube: Approx. 3 measurement tons

G14—SUB-DISPENSARY DENTAL—MOBILE

Designed to augment those G components which normally have no dental officer or have an insufficient number of dental officers for the particular purpose for which the component is to be employed. The equipment is Field Type.

Personnel (Approx.):
- One officer and one enlisted—Total 2

Material (Major items only):
- Dispensary equipment and supplies
- Housing is not provided
- Weight: Less than a long ton
- Cube: Less than a measurement ton

G15—SUB-DISPENSARY DENTAL—PROSTHETIC LABORATORY

Augments those advanced base functional components, assemblies, etc., which normally are not supplied or are inadequately supplied with prosthetic dental facilities to support the purpose for which the particular component, assembly, etc., is to be employed. The equipment is Standard Type.

Personnel (Approx.):
- One officer and 3 enlisted—Total 4

Material (Major items only):
- Modified standard dental outfit with junior operating unit
- Prosthetic dental laboratory equipment and supplies
- Housing—Hut
- Weight: Approx. 15 long tons
- Cube: Approx. 30 measurement tons

G16—SUB-DISPENSARY DENTAL—PROSTHETIC LABORATORY—MOBILE

Augments those advanced base functional components, assemblies, etc., which normally are not supplied or are inadequately supplied with prosthetic dental facilities to support the purpose for which the particular component, assembly, etc., is to be employed. The equipment is Field Type.

Personnel (Approx.):
- One officer and 3 enlisted—Total 4

Material (Major items only):
- Field Dental Outfit, Unit 35
- Prosthetic dental laboratory equipment and supplies (mobile)
- Housing—16 x 20 tent (or hut if specified)
- Weight: Approx. 15 long tons
- Cube: Approx. 25 measurement tons

Amendment No. 3
G17—MALARIA CONTROL COMPONENT

Determines the type of mosquitoes present in an area, locates their breeding places and makes recommendations relative to the elimination of these breeding places. It is equipped to make blood examinations and to determine the presence and distribution of malaria in an area.

Personnel (Approx.):
- One officer and 5 enlisted—Total 6

Material (Major items only):
- Laboratory equipment and supplies
- Housing: hut and tent
- Transportation: trucks

Weight: 15 long tons
Cube: 40 measurement tons

G18—EPIDEMIOLOGY COMPONENT

Investigates the water and milk supply, the source and preparation of other foods, the disposition of sewage, garbage, etc., and investigates the source of all non-malarial diseases which may become epidemic. It determines the presence and distribution of diseases, and makes recommendations for their prevention or control.

Personnel (Approx.):
- 2 officers and 4 enlisted—Total 6

Material (Major items only):
- Laboratory equipment and supplies
- Housing: hut and tent
- Transportation: trucks

Weight: 20 long tons
Cube: 70 measurement tons

G19—MALARIA AND EPIDEMIC CONTROL COMPONENT

Combines the functions of the G17 and G18 functional components. It investigates the water and milk supply, the source and preparation of other foods, the disposition of sewage, garbage, etc., and investigates the source of all diseases, including malaria, which may become epidemic. It determines the presence and distribution of diseases and makes recommendations for their prevention or control.

Personnel (Approx.):
- 4 officers and 12 enlisted—Total 16

Material (Major items only):
- Laboratory equipment and supplies
- Housing: huts and tents
- Transportation: trucks

Weight: 35 long tons
Cube: 120 measurement tons
G20—OPTICAL REPAIR COMPONENT—BASE TYPE

Provides a self-contained laboratory for emergency repair and replacement of eyeglasses and the supply of urgently needed new eyeglasses for Naval personnel at locations where civilian optical service is not available. It contains cutting, drilling and edging machinery and is equipped to repair rimless glasses, to fabricate complete eyeglasses in spectacle frames of several eye sizes and bridge dimensions, and to perform miscellaneous repairs. The expendable stock of frames and lenses is adequate for 6 months supply for a population of from 25,000 to 30,000 men.

Personnel (Approx.):
One officer and 2 enlisted—Total 3

Material (Major items only):
   Equipment and supplies for the repair of eyeglasses
   Housing is not provided

Weight: Approx. 1 long ton
Cube: Approx. 4 measurement tons

G21—OPTICAL REPAIR COMPONENT—MOBILE TYPE

Provides a self-contained laboratory, of one-half the production capacity of the Base Type Component, for emergency repair and replacement of eyeglasses and the supply of urgently needed new glasses for Naval personnel at locations where civilian optical service is not available. It is equipped to fabricate complete eyeglasses mounted in spectacle frames and to repair or replace rimmed glasses but cannot undertake rimless eyeglass work. The expendable stock is adequate for a 6 months supply for a population of 12,000 to 15,000 men.

Personnel (Approx.):
One officer and 2 enlisted—Total 3

Material (Major items only):
   Equipment and supplies for the repair of eyeglasses
   Housing is not provided

Weight: Approx. 1 long ton
Cube: Approx. 3 measurement tons

G22—RODENT CONTROL COMPONENT

Determination of presence, distribution, population and species of rodents in an area. To make recommendations for rodent control and provide material and supervisory personnel to effectuate these recommendations. To train such additional personnel as may be required in an area in measures employed to control and eradicate all rodents which may be carriers of disease or which may be destructive to stores and crops.

Personnel (Approx.):
One officer and one enlisted—Total 2

Material (Major stores only):
Rodent control equipment and supplies
Housing is not provided

Weight: Less than a long ton
Cube: Less than a measurement ton
G23—SANITATION COMPONENT

This component is designed to assist the appropriate commander in the discharge of his responsibility for sanitation and disease control measures; it supplements the functions of G17, G18 or G19 Functional Components by augmenting the capabilities of any such component, or of a designated Malaria and Epidemic Control Officer, to conduct sanitation surveys, to plan and supervise the initiation or maintenance of sanitation measures necessary to prevent disease, and to direct the efforts of personnel (either uniformed or civilian) made available by the appropriate Island, Base, or Area Commander to assist in performing work incident to sanitation and disease control measures. Personnel of this component are trained in field and area sanitation; they are familiar with the work to be undertaken, and with the operation of the limited component equipment, in carrying out programs in the prevention of diseases which are largely dependent upon insanitary conditions for their incidence and transmission. This component is not intended to replace the function or mission of the Sanitary Section of each Construction Battalion, nor is it capable of doing so either in personnel or equipment. It is not anticipated that request will be made or approval given for assignment of a G23 Component where a Construction Battalion is functioning. Housing for the personnel is not included, but should be requested in the form of N Components where required.

Personnel (approximate):
No officers and 20 enlisted—Total 20

Material (Major items only):
Hand tools and equipment
Sprayers, dusters and insecticides
Transportation equipment
Construction materials, lumber, nails, etc.
Tool shed, hut 20 x 48

Weight: Approx. 30 long tons
Cube: Approx. 110 measurement tons
H—AVIATION COMPONENTS

"H" Components may be combined with other Functional Components to form several different types of Air Bases. Component H3 plus the proper supporting components, will constitute a Standard Aircraft Repair and Engine Overhaul Unit with Class "A" facilities.

Components H9, H12 and H10 or H11 when combined will form the technical aviation operations and maintenance facilities (except arming and rearming) usually found in a Standard Acorn Unit. An Acorn provides the technical facilities for the operation and maintenance of a CV Group or equivalent multi-engine squadrons. The combination of the components selected will determine the flight operation and degree of maintenance provided. A complete Acorn Aviation Base should contain all the components listed for a Standard Acorn Unit.

Component H13A plus the proper supporting components will constitute a Standard Aircraft and Engine Repair Unit or a Class "C" Naval Air Station.

Section "B" (Aviation Structural) and Section "C" (Aviation Engines) Spares, and certain other items peculiar to particular types of airplanes are not furnished with "H" components. It is the responsibility of the area commander to provide these items as required. In cases where the "H" Components include the overhaul of aircraft engines, the area commander will inform the Bureau of Aeronautics the number of each type of engine that will be overhauled per month. The Bureau of Aeronautics will assemble the initial engine spare parts accordingly and arrange for the necessary replenishment thereof.

Items in "H" components may be varied or omitted as necessary to meet individual or unusual conditions. The Standard Units containing "H" components are flexible. Where the requirements of an area commander are greater than the facilities provided in a Standard Unit, complete additional "H" and supporting components may be ordered to meet any particular condition.

In ordering photographic components, the climatic conditions should be specified, as different conditions in some instances necessitate substitution and addition to the material lists.

H1—LION AVIATION COMPONENT—Obsolete

H2—LION AVIATION OPERATIONS COMPONENT—Obsolete
H3—AIRCRAFT REPAIR AND ENGINE AND ACCESSORY OVERHAUL COMPONENT

For the overhaul of 100 aircraft engines per month, the repair, modification and test of aircraft, aircraft engines and all classes of aeronautical material. The personnel listed below is required for the H3 shops and does not include those of the supporting components of the Standard Aircraft Repair and Engine Overhaul Unit.

Personnel (Approx.):
23 officers and 744 enlisted—Total 767

Material (Major items only):

Engine Overhaul Shops:
- Steam Cleaning and Storage
- Disassembly
- Cleaning
- Inspection and Magnaflux
- Cylinder Overhaul
- Subassembly
- Final Assembly
- Engine Test Houses
- Final Check and Preservation
- Sandblast
- Metal Spray
- Paint
- Minor Overhaul

Accessory and Propeller Shops:
- Plating
- Accessory Cleaning
- Auxiliary Power
- Turbo Supercharger
- Sparkplug
- Magneto
- Ignition Harness
- Pump and Hydraulics
- Starter
- Carburetor
- Machine—Accessory
- Propeller Shop

Repair and Manufacturing Shops:
- Heat Treating and Welding
- Metal
- Machine
- Ordnance, Cable and Tie Rod, and Landing Gear
- Joiner
- Oxygen
- Carbon Dioxide
- Battery
- Parachute and Fabric
- Instrument
- Electrical
- Paint
- Cleaning
- Radio-Radar
- Shop Equipment and Supplies—Miscellaneous

Pratt and Whitney Major Overhaul Tools
Wright Major Overhaul Tools
Special Major Overhaul Tools and Fixtures
Accessory Overhaul Tools
Tool Room Stock
Consumables—BuAer Section "A"
Publications
Shop Consumables (90 day supply furnished initially; second 90 day supply furnished on request)
Housing with power supply and water distribution as follows: Special Shop Buildings 40' x 100' (24), 40' x 50' (1), and 20' x 48' (2); Huts, 20' x 48' for Administration (Approx. 3)

Note.—Rolling Stock will be provided when destination of movement is determined.

Weight: Approx. 4,300 long tons
Cube: Approx. 6,700 measurement tons

Amendment No. 3
H3A—ENGINE AND ACCESSORY OVERHAUL COMPONENT

For the overhaul of 100 aircraft engines per month and for the overhaul of propellers and accessories. This component is a modification of the H3 component. The personnel listed below is required for the H3A shops and does not include those of the supporting components of a Standard Engine Overhaul Unit.

Personnel (Approx.):
18 officers and 495 enlisted—Total 513

Material (Major items only)

<table>
<thead>
<tr>
<th>Engine and Accessory Overhaul Shops, consisting of:</th>
<th>Auxiliary Power</th>
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<td>Metal Spray—Engine</td>
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<td>Sheet Metal—Engine</td>
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<td>Pratt and Whitney Major Overhaul Tools</td>
<td>Shop Equipment and supplies—</td>
</tr>
<tr>
<td>Wright Major Overhaul Tools</td>
<td>Miscellaneous</td>
</tr>
</tbody>
</table>

Consumables—BuAer Section “A”

Publications

Shop Consumables (90 day supply furnished initially; second 90 day supply furnished on request)

Housing with power supply and water distribution as follows: Special Shop Buildings 40’ x 100’ (18), and 20’ x 48’ (2); Huts, 20’ x 48’ for Administration (Approx. 3)

Note.—Rolling Stock will be provided when destination of movement is determined.

Weight: Approx. 3,300 long tons
Cube: Approx. 5,300 measurement tons

Amendment No. 3
H3B—AIRCRAFT REPAIR AND ACCESSORY OVERHAUL COMPONENT

For the complete repair and test of aircraft and the overhaul of propellers and accessories. This component is a modification of an H3 component, the engine overhaul facilities having been deleted. The personnel listed below are required for the H3B shops and does not include those of the supporting components of a Standard Aircraft Repair Unit.

Personnel (Approx.):
19 officers and 459 enlisted—Total 478

Material (Major items only):

- Repair Shops, consisting of:
  - Inspection and Magnaflux
  - Minor Overhaul
  - Plating
  - Accessory Cleaning
  - Turbo Supercharger
  - Sparkplug
  - Magneto
  - Ignition Harness
  - Pump and Hydraulic
  - Starter
  - Carburetor
  - Machine—Accessory
  - Propeller Shop
  - Heat Treating and Welding
  - Metal—Airframe
- Machine—Airframe
- Ordnance, Cable and Tie Rod, and Landing Gear
- Joiner
- Oxygen
- Carbon Dioxide
- Battery
- Parachute and Fabric
- Instrument
- Electrical
- Paint—Airframe
- Cleaning—Airframe
- Radio-Radar
- Shop Equipment and Supplies—Miscellaneous

Pratt and Whitney Maintenance Tools
Wright Maintenance Tools
Accessory Overhaul Tools
Tool Room Stock
Consumables—BuAer Section “A”
Publications
Shop Consumables (90 day supply furnished initially; second 90 day supply furnished on request)

Housing with power supply and water distribution as follows: Special Shop Buildings 40' x 100' (13), and 20' x 48' (2); Huts, 20' x 48', for Administration (Approx. 2)

Note.—Rolling Stock will be provided when destination of movement is determined.

Weight: Approx. 3,100 long tons
Cubic: Approx. 4,200 measurement tons

H4—CUB AVIATION COMPONENT—Obsolete

H5—OPERATIONS COMPONENT FOR CV GROUP—Obsolete

H6—OPERATIONS COMPONENT FOR VPB SQUADRON—Obsolete

H7—AIRCRAFT MAINTENANCE COMPONENT—Obsolete

Amendment No. 3
**H8—CATAPULT AND ARRESTING GEAR**

For the operation of a platform similar to a carrier deck. It is designed to supplement or replace landing strips (depending on local conditions). Aircraft operation equipment and personnel is not included in this component.

Personnel (Approx.):
2 officers and 4 enlisted—Total 6

Material (Major items only):
Type HE Mark I Catapult and arresting unit, consisting of deck, 450' x 60' (wood or metal), having a catapult track running the full length; hydraulic catapult engine with gasoline power unit and air compressor; conventional arresting gear; tractor, and spare parts.

Weight: Approx. 252 long tons (with metal deck, 240 long tons)
Cube: Approx. 331 measurement tons

**H9—AIRCRAFT COMBAT OPERATIONS (BASIC)**

This component requires the addition of a CASU and an H10 component or a PATSU and an H11 component. When so augmented it provides sufficient lightweight facilities to operate and service 100 single engine aircraft or their equivalent multi-engine squadrons. The personnel of this component can maintain the aviation facilities, provide for servicing casual planes and operate field and seadrome lighting.

Personnel (Approx.):
One officer and 10 enlisted—Total 11

Material (Major items only):—Common to Landplanes and Seaplanes
- Shop and Hangar Equipment
- Propeller Equipment
- Instrument Equipment
- Radio-Radar Equipment including Radio-Radar Maintenance truck (if allocated by the fleet)
- Motorized Shops including two Machine Shops and two Welding and Metallizing Shops
- Pratt and Whitney Maintenance Tools
- Wright Maintenance Tools
- Aviation Mechanics Tool Kits
- Consumables—BuAer Section “A”
- Rolling Stock and Spares
- Publications
- Shop Consumables (90 day supply furnished initially; second 90 day supply furnished on request)
- Maintenance Buildings and huts with power supply and water distribution (Approx. 2)
- Tents for Administration (Approx. 7)

Weight: Approx. 850 long tons
Cube: Approx. 4,300 measurement tons
H10—ADDITIONAL OPERATING EQUIPMENT—LANDPLANES

This is a necessary supplement to the H9 Component when landplanes are to be operated. When ordering "N" camps to accompany this component and the H9, provision should be made for 18 officers and 516 men in the CASU and 112 officers and 186 men in the Carrier Group.

Personnel (Approx.):
- 5 officers and 28 enlisted — Total 33

(This complement includes one officer and 7 men as crew of the 63' aircraft rescue boat)

Material (Major items only):
- Field and Flood lighting sets
- Portable Hangars (60 x 60 x 30) — 2
- Boat: Aircraft Rescue Boat
- Landing Field Sprinkler System
- Airfield Control Tower (height 70')

Radio Equipment for control tower as follows:
- Transmitters (2) TCZ or equivalent, including telescopic masts or whip antennas
- Transmitter-Receiver (2), AN/ARC-1 (modified to operate from 110 volts AC), or equivalent
- Receivers (5), RCH or equivalent, with whip antennae or telescopic masts and loud speakers
- L/M frequency meter
- Generator, engine driven, for auxiliary power supply

Weight: Approx. 88 long tons
Cube: Approx. 106 measurement tons

H11—ADDITIONAL OPERATING EQUIPMENT—SEAPLANES

This is a necessary supplement to the H9 Component when seaplanes are to be operated. When ordering "N" camps to accompany this component and the H9, provision should be made for approximately 225 men in the PATSU and approximately 39 officers and 168 men in the VPB squadron.

Personnel (Approx.):
- One officer and 23 enlisted — Total 24

Material (major items only):
- Seadrome Lighting
- Flood Lighting set, Army type B-3
- Moorings and Anchors
- Portable hangars (60' x 60' x 30') — 2
- Boats: Aircraft Rescue (1), Utility (4), Rearing (4), Blind landing (2), and Refueling (2 pneumatic barges)

Weight: Approx. 200 long tons
Cube: Approx. 900 measurement tons
H12—SUPPLEMENTAL AIRCRAFT MAINTENANCE EQUIPMENT

This component includes additional shop and hangar equipment which when added to an H9 will provide the facilities to perform a higher degree of aircraft maintenance.

Personnel: None

Material (Major items only):
- Shop and Hangar Equipment
- Parachute and Fabric Shop
- Aviation Mechanics Tool Kits
- Maintenance and storage buildings (2), 40’ x 100’ with power supply and water distribution system

Weight: Approx. 215 long tons
Cube: Approx. 291 measurement tons

H13—AIRCRAFT ACCESSORY OVERHAUL EQUIPMENT

This component includes additional equipment for the overhaul of propellers and engine accessories. It is designed to be added to an H12 and H9. The combination of these three components (H9, H12, H13) approximates the facilities of a class “C” air station.

Personnel: None

Material (Major items only):
- Shop and Hangar Equipment
- Propeller Shop
- Instrument Equipment
- Accessory Overhaul Tools
- Maintenance Buildings (2), 40’ x 100’ with power supply

Weight: Approx. 147 long tons
Cube: Approx. 181 measurement tons
H13A—AIRCRAFT AND ENGINE REPAIR AND ACCESSORY OVERHAUL COMPONENT

For the minor repair of aircraft and engines and for the overhaul of propellers and accessories of a CV Group or the equivalent multi-engine squadrons. The personnel listed below are required for the H13A shops and does not include those of the supporting components of a Standard Aircraft and Engine Repair Unit.

Personnel (Approx.):
- 9 officers and 202 enlisted men—Total 211

Material (Major items only):
- Shop and Hangar Equipment including general shop equipment and accessory test equipment
- Engine Test House including test stands
- Propeller shop including general shop equipment, Curtiss Tools and Hamilton Tools
- Parachute and Fabric Shop
- Instrument Equipment
- Radio-Radar Equipment including Radio-Radar Maintenance Truck (if allocated by the fleet)
- Motorized Shops including two Machine Shops and two Welding and Metallizing Shops
- Pratt and Whitney Maintenance Tools
- Wright Maintenance Tools
- Accessory Overhaul Tools
- Aviation Mechanics Tool Kits
- Consumables—BuAer Section “A”
- Rolling Stock and Spares
- Publications
- Shop Consumables (S & A)
- Maintenance Buildings (6) and huts with power supply water distribution
- Tents for Administration
- Engine Test Stand Shelters (1 double stand)

Weight: Approx. 221 long tons
Cube: Approx. 1,140 measurement tons
H14A—AVIATION TANK FARM (LARGE)

Storage facilities for aviation gasoline for 2 CV groups and 4 VPB Squadrons.
Personnel: None
Material (Major items only):
Tank farm of 40,000 bbls.
Fueling hose, piping, etc.
Moorings and tanker connections
Transportation—Trucks
Weight: Approx. 505 long tons
Cube: Approx. 601 measurement tons

H14B—AVIATION TANK FARM (MEDIUM)

Storage facilities for aviation gasoline for one CV group and two VPB Squadrons.
Personnel: None
Material (Major items only):
Tank Farm of 20,000 bbls. with
Fueling hose, piping, etc.
Moorings and tanker connections
Transportation—Truck
Weight: Approx. 295 long tons
Cube: Approx. 343 measurement tons

H14C—AVIATION TANK FARM (SMALL)

Storage facilities for aviation gasoline for one CV group and one VPB Squadron.
Personnel: None
Material (Major items only):
Tank Farm of 12,000 bbls.
Fueling hose, piping, etc.
Moorings and tanker connections
Transportation—Trucks
Weight: Approx. 103 long tons
Cube: Approx. 153 measurement tons

H14D—READY AVIATION GASOLINE STORAGE

Aviation gasoline storage facilities for airfields whose major storage depots are not close by.
Personnel: None
Material (Major items only):
Ready storage complete with following approximate capacity:
Tanks for avgas (5,000 gal. each)—4
Truck loading rack—1
Necessary fittings, piping and pumps.
Weight: Approx. 16 long tons
Cube: Approx. 100 measurement tons
H15A—AIRFIELD CONSTRUCTION MATERIAL

This component is available for the construction and surfacing of an airfield.
Personnel: None
Material (Major items only):
   Pierced plank mat—2,400,000 sq. ft. for:
      Two landing strips each 150' x 6,000'
      Two taxi strips each 30' x 10,000'
Weight: Approx. 5,568 long tons
Cube: Approx. 3,360 measurement tons

H15B—SEAPLANE RAMP AND PARKING AREA

This component is available for the construction and surfacing of seaplane ramps, aprons and parking areas.
Personnel:
   None
Material (Major items only):
   Pierced plank mat—24,000 sq. ft. for two ramps, each 40' x 300'
   Mesh, 2'' x 2'' No. 4—300,000 sq. ft. for parking area
Weight: Approx. 270 long tons
Cube: Approx. 329 measurement tons

H16A—AEROLOGICAL (LARGE)

Equal to a Standard Class D. Aerological Unit (modified) designed to furnish major aerological facilities for making complete forecasts and keeping complete records at a large base.
Personnel (Approx.):
   2 officers and 6 enlisted—Total 8
Material (Major items only):
Aerological Equipment:
   Aerographs
   Anemometers, totalizing and portable
   Barographs, weekly and micro
   Barometer, Aneroid Precision
   Board, Plotting, large
   Generator, hydrogen and chemicals
   Hygrothermograph
   Mast, complete
   Raingage
   Radio Sonde Receiver and transmitter
   Double register, recorder and transmitter
   Theodolites and balloons
   Thermometers, air, maximum and minimum
   Weather and Instrument charts
   Wind equipment, dines (complete)
   Selsyn Wind Equipment (if required)
   Aerological books and pamphlets
   Housing—Hut
   Radio receiver (RBG)
   Transportation—Truck
Weight: Approx. 10 long tons
Cube: Approx. 26 measurement tons
H16B—AEROLEGICAL (MEDIUM)—Obsolete

H16C—AEROLEGICAL (SMALL)—Obsolete

H16D—AEROLEGICAL (ARCTIC)

Equal to a Standard Class D Aerological Unit (modified) designed to furnish major aerological facilities for making complete forecasts and keeping complete records with sufficient technical and incidental equipment and supplies to operate for one year at an isolated arctic site.

When this Component is to be self-sustaining, the following components should be ordered: N4C, D6 and C3 (modified), J15A (for 5 men) and one J15B. The medical requirements will be determined when shipment is directed and the destination is known.

Personnel (Approx.):

One officer and 5 enlisted—Total 6

Material (Major items only):

Aerological Equipment:

Aerographs
Anemometers, totalizing and portable
Barographs, weekly
Barometer, Mercurial
Board, plotting, large
Generator, hydrogen and chemicals
Hygrograph
Mast, complete
Raingage
Radio Sonde Receiver and transmitter
Double register, recorder and transmitter
Theodolites and balloons
Thermograph
Thermometers, Air, maximum and minimum
Weather and instrument charts
Wind equipment, Dines (complete)
Selsyn Wind equipment (if required)

Aerological books and pamphlets
Housing—Approx. 3 huts
Radio Receiver (RBG)

Weight: Approx. 20 long tons
Cube: Approx. 36 measurement tons
H17A—PHOTOGRAPHIC LABORATORY (LARGE)

Equal to a Standard Class D Photographic Laboratory (modified), designed to furnish photographic facilities for taking still pictures, and processing still, aerial, and motion picture films in quantity, at a base.

Personnel (Approx.):
One officer and 6 enlisted—Total 7

(Nota.—It is expected that the work of the laboratory may increase to an extent that additional personnel will be required.)

Material (Major items only):
Cameras, Speed Graphic (4" x 5"), Graflex (4" x 5''), View type (4" x 5" and 8" x 10'') with accessories
Developing, fixing and washing outfit for cut film, for aerial film (25' and 200') and for motion picture film (200')
Print dryer, electric
Enlarger, 8" x 10"
Contact printer for aerial and cut film
Washer, electric
Electric tacking iron, dry mounting iron, print straightener
Film storage and Temprite cooling unit (if required)
Film, paper, chemicals, lamps, clocks, all darkroom equipment
Housing—Hut for lab, 20' x 60'

Weight: Approx. 14 long tons
Cube: Approx. 59 measurement tons

H17B—PHOTOGRAPHIC LABORATORY (MEDIUM)

This is designed to furnish portable photographic facilities for taking still pictures, and processing still and aerial films, utilizing a minimum amount of space, and easily dismantled for portability.

Personnel (Approx.):
No officers and 4 enlisted—Total 4

Material (Major items only):
Cameras: Speed Graphic (4" x 5"), Graflex (4" x 5''), View type (4" x 5''), Roll film type (2½" x 3½'', Kodak Medalist or equal), with accessories
Developing tank, adjustable core, roll film
Developing box for cut film
Developing, fixing, and washing outfit for cut film and for aerial film (25 ft.)
Contact printer for cut film
Film, paper, chemicals, lamps, clocks, all darkroom equipment

Weight: Approx. 3 long tons
Cube: Approx. 32 measurement tons

H17C—PHOTOGRAPHIC LABORATORY (SMALL)—Obsolete

H17D—PHOTOGRAPHIC LABORATORY (MINIMUM)—Obsolete
H17E—PHOTOGRAPHIC LABORATORY (SPECIAL)—Obsolete

H17F—PHOTOGRAPHIC LABORATORY (SQUADRON)

Equipment herein provides housing for a photographic laboratory for use by a self-sustaining PHOTOGRAPHIC SQUADRON at an Advanced Base. Photographic and consumable material are not furnished with the component, but are carried by the Squadron.

Personnel:
None

Material (Major items only):  
- Housing, Building (1) B-1B 36’ x 168’ and huts (3) 20’ x 48’
- Transportation, Weapons Carrier and spares (4)

Weight: Approx. 165 long tons
Cube: Approx. 275 measurement tons

H18A—PHOTOGRAPHIC INTERPRETATION (LARGE)

Designed to perform photographic interpretation service for an area command in contact with the enemy. It requires the availability of one photographic squadron for producing aerial photographs in volume for interpretation.

Personnel (Approx.):
- 24 officers and 7 enlisted—Total 31

Material (Major items only):
- Photo Interpreter’s Kits (approx. 24)
- Recordak microfilm readers
- Drawing instruments and equipment
- Kodacolor illuminators
- Appropriate charts and publications
- Baloptican
- Mirror stereoscopes
- Contour finders
- Pantographs
- Office equipment and supplies
- Housing—Approx. 2 huts

Weight: Approx. 28 long tons
Cube: Approx. 83 measurement tons

H18B—PHOTOGRAPHIC INTERPRETATION (MEDIUM)—Obsolete

H18C—PHOTOGRAPHIC INTERPRETATION (SMALL)—Obsolete
H19A—MAIN AIR COMBAT INFORMATION CENTER

Designed for inclusion in Naval Intelligence Center established at an area command headquarters for purpose of supplying ACI service to a large area.

Personnel (Approx.):
15 officers and 17 enlisted—Total 32

Material (Major Items only):
ACI kits (15)
Baloptican
Pantograph
Recordak microfilm readers (2)
35 mm. slide projector
16 mm. moving picture projector with sound track
Drawing instruments and equipment
Appropriate charts and publications
Binoculars
Office equipment and supplies
Housing—hut

Weight: Approx. 15 long tons
Cube: Approx. 43 measurement tons

H19B—ADVANCED AIR COMBAT INFORMATION CENTER

Designed for inclusion in Naval Intelligence Center established at a key advanced position for purpose of supplying ACI service to an area.

Personnel (Approx.):
6 officers and 6 enlisted—Total 12

Material (Major items only):
ACI kits (6)
Baloptican
Pantograph
Recordak microfilm reader
35 mm. slide projector
16 mm. moving picture projector with sound track
Drawing instruments and equipment
Appropriate charts and publications
Binoculars
Office equipment and supplies
Housing—Hut

Weight: Approx. 9 long tons
Cube: Approx. 31 measurement tons
**H19C—AIR COMBAT INFORMATION (LARGE)**

Equipment and personnel suitable for local ACI service at a large advanced air base.
Personnel (Approx.):
2 officers and 2 enlisted—Total 4
Material (Major items only):
ACI kits (2)
Baloptican
Ship, tank and aircraft models
35 mm. slide projector
16 mm. motion picture projector with sound track
Drawing instruments and equipment
Appropriate charts and publications
Binoculars
Office equipment and supplies
Housing—Hut or tent
Weight: Approx. 6 long tons
Cube: Approx. 12 measurement tons

**H19D—AIR COMBAT INFORMATION (MEDIUM)—Obsolete.**

**H19E—AIR COMBAT INFORMATION (SMALL)—Obsolete.**

**H20—AVIATION SYNTHETIC TRAINING—Obsolete.**
H21A—PRINTING PLANT, PHOTO REPRODUCTION (LARGE)

Designed to reproduce in quantity by photo-lithography aerial views, maps, charts, text and illustrated matter as large as 20" x 22½", with sufficient personnel to handle the work load of a major advanced base. Composing machine (Vari-typer) is included for composition of text matter. In ordering Photo Reproduction Printing Plant Components, the climatic conditions should be specified, as different conditions necessitate substitution and addition to the material lists in some instances.

Personnel (Approx.):
- One officer and 14 enlisted—Total 15

Material (Major items only):
- Composing machine (Vari-typer)
- Photo copy camera, 24" x 24"
- Complete photographic darkroom equipment
- Plate making equipment
- Offset printing press, 20" x 22½"
- Cutting, drilling, stitching equipment
- All necessary supplies
- Housing—Approx. 2 huts

Weight: Approx. 50 long tons
Cube: Approx. 100 measurement tons

H21B—PRINTING PLANT, PHOTO REPRODUCTION (SMALL)

Designed to reproduce in quantity by photo-lithograph maps, charts, text and illustrated matter up to 9½" x 14", with sufficient personnel to handle the work load of a small advance base. Composing machine (Vari-typer) is included for composition of text matter. In ordering Photo Reproduction Printing Plant Components, the climatic conditions should be specified, as different conditions necessitate substitution and addition to the material lists in some instances.

Personnel (Approx.):
- No officers and 5 enlisted men—Total 5
  (It is expected that the work load may increase to an extent that additional personnel will be required.)

Material (Major items only):
- Composing machine (Vari-typer)
- Copy camera, 14" x 14"
- Complete photographic darkroom equipment
- Offset printing press, 9½" x 14"
- Plate making equipment
- Cutting, drilling, stitching equipment
- All necessary supplies
- Housing—Hut

Weight: Approx. 30 long tons
Cube: Approx. 60 measurement tons
H22—AIR TRANSPORT OPERATIONS (LANDPLANE)

Provides ground equipment for the initial operation of transport aircraft and the handling of passengers and cargo in an advanced area. Minimum line maintenance only is contemplated. It is expected that this component will be installed at an airfield at which some of the existing facilities for combat aircraft can be utilized.

Personnel (Approx.):

None (3 officers and 25 men should be provided by NATS)

Material (Major items only):

- Trucks and cargo handling equipment
- Aviation tool kits
- Shop equipment for minimum line maintenance
- Emergency flood lighting
- Housing for passengers and administration, mail and cargo, operations and storage
- Furniture, office equipment and supplies

Weight: Approx. 112 long tons
Cube: Approx. 219 measurement tons

H23—AIR TRANSPORT OPERATIONS (SEAPLANE)

Provide seadrome and beach front equipment for the initial operation of transport seaplanes and the handling of passengers and cargo in an advanced area. Minimum line maintenance only is contemplated. Seaplane ramp is not provided.

Personnel (Approx.):

None (10 officers and 75 men should be provided by NATS)

Material (Major items only):

- Trucks and cargo handling equipment
- Aviation tool kits
- Shop equipment for minimum line maintenance
- Emergency flood lighting
- Housing for passengers and administration, mail and cargo, operations and storage
- Furniture, office equipment and supplies
- Seadrome night lighting and seadrome marking equipment
- Boats for fueling, line handling, cargo and personnel and crash boats
- Seaplane slip (pontoon)
- Seaplane moorings
- Collateral ramp equipment
- Pier and float (pontoon)

Weight: Approx. 500 long tons
Cube: Approx. 1,800 measurement tons

Amendment No. 3
H25—HIGH INTENSITY AIRFIELD LIGHTING COMPONENT

Provides an airfield with high intensity lighting equipment for low visibility landplane operations. It will serve a runway approximately 7,000' long with a 2,400' approach.

A ready supply of these components is NOT maintained. Each request will require separate procurement and assembly. Planners are therefore requested to place orders for limited quantities two (2) months in advance of the date components are to be available on the West Coast. Larger orders will require still more advanced notice.

Personnel (Approx.):
No officers and 3 enlisted—Total 3

Material:
High intensity lighting equipment w/spare parts
Threshold lighting equipment w/spare parts
Publications including typical plans
Consumable supplies for above equipment
Utilities—power supply

Weight: 25 long tons
Cube: 54 measurement tons

I—CONSTRUCTION COMPONENTS—OBsolete

Obsolete. Superseded by the P components because of misunderstandings arising from the similarity of the letter “I” to the numeral “1”.

I1—LION CONSTRUCTION COMPONENT—Obsolete
I2—CUB CONSTRUCTION COMPONENT—Obsolete
I3—ACORN CONSTRUCTION COMPONENT—Obsolete
I4—CONSTRUCTION BATTALION (EQUIPPED)—Obsolete
J—ORDNANCE COMPONENTS

Each ordnance component will contain the consumable supplies and standard stock catalog tools peculiar to the operation of the equipment.

When Ship and Boat Repair (E) components are ordered certain Ordnance components should be requested to accompany them if the base is to provide complete repair facilities. The following is a recommended list:

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J1—BASE ORDNANCE SHOP

Equipped to maintain 40 mm. to 6"/47 guns ashore and afloat. Spare parts for guns larger than 40 mm. will be assembled only upon request designating calibers to be served. Requests for J1's should indicate calibers of guns for which spare parts are desired.

Personnel (Approx.):
One officer and 15 enlisted men—Total 16

Material (Major items only):
Gun and mount spare parts for 6"/47 smaller guns
Projector, launcher, etc., spare parts
Link loading machines (cal .30 and cal .50)
Miscellaneous tools and accessories
Machine shop trailer (Ordnance machine shop consisting of machine tools and
40' x 100' shop building may also be supplied on special request for J1, if J1
is not to be established immediately adjacent to an E1, E2, E3 or E4)
Spare parts for ordnance automotive equipment
Housing—Hut 20' x 56'

Weight: Approximately 100 long tons
Cube: Approximately 385 measurement tons

J2—BASE MACHINE GUN COMPONENT

Can make minor repairs to 20 mm., .50 cal., .30 cal. and personal arms, furnish and install replacement spare parts, etc., but does not perform major overhaul.

Personnel (Approx.):
One officer and 3 enlisted—Total 4

(Note—When two shops are assigned to the same unit the combined complement will be—one officer and 5 enlisted—Total 6.)

Material (Major items only):
Tender spare parts for above calibers
Shop consumables
Housing—Hut and magazine

Weight: Approx. 21 long tons
Cube: Approx. 27 measurement tons
J3—AMMUNITION COMPONENT

To maintain and issue the ammunition described below.

Personnel (Approx.):
One officer and 2 enlisted—Total 3

Note.—For each standard group of Magazine Area Handling Equipment 10 enlisted will be added to the complement. Additional officer personnel will depend on the type and quantity of ammunition assigned.

Material (Major items only):
Ammunition for LNDF craft including base airplanes; also includes pyrotechnics and smoke.
Fleet ammunition only as assigned and specifically requested. Reserve ammunition for Fleet Task Forces, including Fleet airplanes, also includes pyrotechnics and smoke.

Standard group magazine area handling equipment.
Weight depends on quantity of ammunition assigned.
Cube depends on quantity of ammunition assigned.

J3D—STANDARD MAGAZINE COMPONENT

Facilities for the storage of 1,000 tons of ammunition assuming one complete turnover per month. Multiples of this component will be provided in accordance with ammunition assigned to the unit.

Personnel: None.

Material (Major items only):
Magazines, 20’ x 20’—Approx. 3
Magazines, 20’ x 50’—Approx. 8
Hut, 20’ x 48’
Construction materials

Weight: Approx. 205 long tons
Cube: Approx. 157 measurement tons

J3E—CHEMICAL MAINTENANCE COMPONENT

Capable of accompanying a shipment and maintaining an amount of chemical ammunition equivalent to a standard shipment of 1,000—100 lb. chemically loaded bombs or containers.

Personnel (Approx.):
One officer and 3 enlisted—Total 4

(To be retained by C. O. of base or returned to originating depot according to needs of destination base.)

Material (Major items only):
Safety and maintenance material

Weight: Approx. 5 long tons
Cube: Approx. 8 measurement tons
J4A—BOMB DISPOSAL COMPONENT

To render safe and dispose of all types of bombs, projectiles, land mines, booby traps, and associated munitions.

Personnel (Approx.):
- One officer and one enlisted man—Total 2

Material (Major items only):
- Special tools and equipment for bomb disposal, including small amounts of special demolition equipment
- Transportation—Trucks
- Shop consumables
- Housing—Tent

Weight: Approx. 12 long tons
Cube: Approx. 57 measurement tons

J4B—MINE DISPOSAL COMPONENT

To render safe and dispose of all types of sea mines, torpedoes, depth charges and associated munitions on land and underwater.

Personnel (Approx.):
- One officer and one enlisted man—Total 2

Material (Major items only):
- Special tools and equipment for mine disposal including small amounts of special demolition equipment
- Transportation—Truck
- Shop consumables
- Housing—Tent

Weight: Approx. 8 long tons
Cube: Approx. 30 measurement tons

J4C—DEMOLITION COMPONENT

For general base demolition.

Personnel (Approx.):
- No personnel regularly assigned. If bomb disposal or mine disposal personnel are not available at destination, the officer from J2 will be indoctrinated

Material (Major items only):
- Demolition equipment and material for general use of the base including spare material for use of bomb and mine disposal personnel
- Shop consumables
- Housing—Tent

Weight: Approx. 1 long ton
Cube: Approx. 4 measurement tons

J5—TORPEDO DEPOT COMPONENT—Obsolete
J5A—TORPEDO DEPOT COMPONENT (LARGE)

Major overhaul—10 torpedoes per week, minor overhaul and issue—50 per week, all marks except electric types. For electric types material and indoctrinated personnel (1 officer and 15 enlisted) should be requested separately if required.

Personnel (Approx.):
- 2 officers and 55 enlisted—Total 57 (Provides for one shift operation. Where heavy major overhaul workload is anticipated, 100% increase in enlisted personnel should be requested for inclusion in the last echelon of the movement)

Material (Major Items Only):
- Compressors (2–50 cu/ft; permanent concrete base)
- Compressor collateral and piping
- Torpedo workshop equipment (with tube spares for vessels assigned)
- Torpedo handling equipment
- Warhead and exploder handling equipment
- Shop consumables

Housing—Approx. as follows:
- Buildings—Two 40' x 100'
- Huts—Three 20' x 48'
- Magazines—Two 25' x 50', one 20' x 50', one 10' x 10'

Construction materials

Weight: Approx. 300 long tons
Cube: Approx. 425 measurement tons

J5B—TORPEDO DEPOT COMPONENT (MEDIUM)

Major overhaul—6 torpedoes per week, minor overhaul and issue—30 per week, all marks except electric types. For electric types material and indoctrinated personnel (1 officer and 15 enlisted) should be requested separately if required.

Personnel (Approx.):
- 2 officers and 45 enlisted—Total 47 (Provides for one shift operation, where heavy major overhaul workload is anticipated, 100% increase in enlisted personnel should be requested for inclusion in the last echelon of the movement)

Material (Major Items Only):
- Compressors (2–30 cu/ft; permanent concrete base)
- Compressor collateral and piping
- Torpedo workshop equipment (with tube spares for vessels assigned)
- Torpedo handling equipment
- Warhead and exploder handling equipment
- Shop consumables

Housing—Approx. as follows:
- Buildings—One 40' x 100'
- Huts—Three 20' x 48'
- Magazines—Two 25' x 50', one 20' x 50', one 10' x 10'

Construction materials

Weight: Approx. 250 long tons
Cube: Approx. 350 measurement tons

Amendment No. 2
J5C—TORPEDO DEPOT COMPONENT (SMALL)

Servicing and readying (only) of 50 torpedoes per week. This component will be assigned to a PT Base in a forward area.

Personnel (Approx.):
One officer and 10 enlisted—Total 11

Material (Major items only):
Field torpedo circus, pneumatic wheel type, with two 20 cu. ft. compressors
Housing—Approx. as follows;
Huts—Two, 20 x 48
Magazines—One 20 x 50, one 10 x 10 and one 25 x 50

Weight: Approx. 150 long tons
Cube: Approx. 510 measurement tons
J6A—FIELD TORPEDO UNIT—TRACK WHEEL TYPE

Type and composition entirely dependent upon destination. Includes field handling and positioning equipment. Has capacity of 12 fully ready torpedoes per day to be prepared from pool of ready torpedoes.

Personnel (Approx.):
- One officer and 10 enlisted—Total 11

Material (Major items only):
- Tractor crane
- Tractor
- Compressor wagon (with a 20 cu. ft. compressor)
- Workshop wagon
- Torpedo wagon
- Bomb service truck
- Bomb trailers
- Torpedo lift truck
- Material and tools
- Shop consumables
- Housing—Approx. 3 tents

Weight: Approx. 101 long tons
Cube: Approx. 597 measurement tons

J6B—FIELD TORPEDO UNIT—PNEUMATIC WHEEL TYPE

Type and composition entirely dependent upon destination. Includes field handling and positioning equipment. Has capacity of 12 fully ready torpedoes per day to be prepared from pool of ready torpedoes.

Personnel (Approx.):
- One officer and 10 enlisted—Total 11

Material (Major items only):
- Truck (2½ ton) with 20 cu. ft. compressor
- Truck (2½ ton) equipped as workshop
- Cargo trucks (2½ ton)
- Bomb service truck
- Bomb trailers
- Torpedo lift trucks
- Materials and tools
- Shop consumables
- Housing—Approx. 3 tents

Weight: Approx. 108 long tons
Cube: Approx. 543 measurement tons

J6C—FIELD TORPEDO UNIT—AIRBORNE TYPE

Can be transported in torpedo station of any torpedo carrying plane.

Personnel (Approx.):
- One officer and 2 enlisted—Total 3

Material (Major items only):
- Compressor (1.8 cu. ft.)
- Minimum tools for final adjustment of aircraft torpedo NavTorpSta list #272

Weight: Approx. 1 long ton
Cube: Approx. 1 measurement ton

Amendment No. 2
J6D—FIELD TORPEDO UNIT AUGMENTATION GROUP

Completely mobile unit designed to operate with a J6A or J6B, and capable of performing major overhaul on all torpedoes, except electric type.

Major overhaul—8 torpedoes per week, minor overhaul and issue—30 per week, all marks except electric type.

Personnel (Approx.):
- 2 officers and 10 enlisted—Total 12

Material (Major items only):
- Torpedo Crane Truck
- Truck Tractors (3)
- Overhaul Trailers with installed equipment for:
  - Main Engine
  - Valve repair and testing
  - Gyro repair and testing
- Truck with 20 c. f. m. compressor mounted thereon
- Bomb Service Truck (MK2)
- Gasoline Truck (650 gal.)
- Jeep
- Ordnance Publications
- Misc. consumables, spare parts, tools and accessories

Weight: Approx. 70 long tons
Cube: Approx. 350 measurement tons
J7—BOMB COMPONENT—Obsolete

J7B—AIR BASE MAGAZINE AREA EQUIPMENT

Provides an airfield with magazines and bomb servicing equipment for use in the
magazine area and includes such bombs and ammunition as is assigned.

Personnel: None

Material (Major items only):

- Bombs and ammunition as and if assigned
- Tractor cranes with accessories and spare parts
- Tractor with accessories and spare parts
- Publications
- Office supplies
- Magazines, 20’ x 50’ (10) and 10’ x 10’ (7) or tents, 17’ x 20’ (14) and 14’ x 14’ (7)
- Sand bags
- Grease trailer
- Construction materials

Weight: Approx. 225 long tons

Cube: Approx. 275 measurement tons

J7C—AIRCRAFT RE-ARMING AND SERVICING COMPONENT—COMPOSITE

This Component comprises ground-handling equipment and a minimum of airplane
spare and maintenance equipment (column B of airplane model allowance list) in common
use for all types of combat airplanes. The equipment included in one component will
serve for any one of the following for a limited length of time:

1—CV Group
1—VPB Squadron
1—VB Squadron (4 Engine)
1—VB Squadron (2 Engine)

If before departure the types of airplanes to be tended are known, one or more of the
Aviation Ordnance Maintenance Components (J7D, J7E, J7F, J7G) are to be taken in
accordance with the model airplanes to be tended.

If, at the time of departure, the types of airplanes to be tended are not known, sufficient
equipment is available in the composite J-7C component to tend any model airplane but
the augmentation components should be shipped to the advanced base to support the J7C
upon determination of the model airplane operating from the base.

Personal (Approx.):

One officer and 20 enlisted—Total 21

Note: This is maintenance personnel. CASU and PATSU personnel will augment this
for operation.

Material (Major items only):

- Bomb Carriers
- Bomb Trailers
- Bomb Service Trucks
- Bomb Hoists
- Link Loading Machines
- Cargo Trucks
- Misc. tools, equipment and consumables
- Smoke Equipment (to be specifically requested if desired)
- Column “B” material

Note: Material is assembled in four groups to permit shipment by echelon if desired.
Equipment included in the first group is designed to support initial operations. Addition of
the second group augments the ground handling equipment for full operation. The third and
fourth groups provide maintenance items.

Weight: Approx. 85 long tons

Cube: Approx. 470 measurement tons

Amendment No. 2
J7D—AVIATION ORDNANCE MAINTENANCE—CV GROUP

Provides additional ground handling equipment and a full allowance of airplane spare and maintenance equipment (Column B of airplane model allowance list) for one CV Group of ninety (90) planes. This component is intended to augment the equipment provided in the J7C Component. It does not contain sufficient equipment to support a CV Group on its own but must be assigned in conjunction with a J-7C Component.

Personnel: None
Material (Major items only):
- Bomb Trailers
- Bomb Service Trucks
- Column “B” allowance for one CV Group
Weight: Approx. 7 long tons
Cube: Approx. 17 measurement tons

J7E—AVIATION ORDNANCE MAINTENANCE—VPB SQUADRON (SEAPLANE)

Provides a full allowance of airplane spare and maintenance equipment (Column B of airplane model allowance list) for one VPB Squadron (Seaplane). This component is intended to augment the equipment provided in the J7C Component. It does not contain sufficient equipment to support a VPB Squadron (Seaplane) on its own but must be assigned in conjunction with a J7C Component.

Personnel: None
Material:
- Column B allowance for one VPB Squadron (Seaplane)
Weight: Approx. 2 long tons
Cube: Approx. 4 measurement tons

J7F—AVIATION ORDNANCE MAINTENANCE—VB SQUADRON (4 ENGINE)

Provides a full allowance of airplane spare and maintenance equipment (Column B of airplane model allowance list) for one VB Squadron (4 Engine). This component is intended to augment the equipment provided in the J7C Component. It does not contain sufficient equipment to support a VB Squadron (4 Engine) on its own but must be assigned in conjunction with a J7C Component.

Personnel: None
Material:
- Column B allowance for one VB Squadron (4 Engine)
Weight: Approx. 1 long ton
Cube: Approx. 4 measurement tons

J7G—AVIATION ORDNANCE MAINTENANCE—VB SQUADRON (2 ENGINE)

Provides a full allowance of airplane spare and maintenance equipment (Column B of airplane model allowance list) for one VB Squadron (2 Engine). This component is intended to augment the equipment provided in the J7C Component. It does not contain sufficient equipment to support a VB Squadron (2 Engine) on its own but must be assigned in conjunction with a J7C Component.

Personnel: None
Material:
- Column B allowance for one VB Squadron (2 Engine)
Weight: Approx. 2 long tons
Cube: Approx. 4 measurement tons
J7H—MARINE AIRCRAFT REARMING COMPONENT—VF SQUADRON

Provides ground handling and maintenance equipment for one Marine squadron of 18 VF airplanes. This component will be assigned only to those Marine squadrons scheduled to operate as a self-supporting unit. In addition to the equipment provided by this component, Marine squadrons are to draw appropriate airplane spare service, maintenance, accessory, and training equipment in accordance with Columns B and D of the airplane model allowance list for planes assigned.

Personnel: None
Material (Major Items Only):
  - Bomb Trailers
  - Bomb Service Trucks
  - Cargo Trucks
  - Tractor Cranes
  - Link Loading Machines
Weight: Approx. 40 long tons
Cube: Approx. 200 measurement tons

J7K—MARINE AIRCRAFT REARMING COMPONENT—VSB SQUADRON

Provides ground handling and maintenance equipment for one Marine squadron of 18 VSB airplanes. This component will be assigned only to those Marine squadrons scheduled to operate as a self-supporting unit. In addition to the equipment provided by this component, Marine squadrons are to draw appropriate airplane spare service, maintenance, accessory, and training equipment in accordance with Columns B and D of the airplane model allowance list for planes assigned.

Personnel: None
Material (Major Items Only):
  - Bomb Trailers
  - Bomb Service Trucks
  - Cargo Trucks
  - Tractor Cranes
  - Link Loading Machines
  - Smoke Screen Tanks and Associated Equipment
Weight: Approx. 60 long tons
Cube: Approx. 300 measurement tons

J7L—MARINE AIRCRAFT REARMING COMPONENT—VTB SQUADRON

Provides ground handling and maintenance equipment for one Marine squadron of 18 VTB airplanes. This component will be assigned only to those Marine squadrons scheduled to operate as a self-supporting unit. In addition to the equipment provided by this component, Marine squadrons are to draw appropriate airplane spare service, maintenance, accessory, and training equipment in accordance with Columns B and D of the airplane model allowance list for planes assigned.

Personnel: None
Material (Major Items Only):
  - Bomb Trailers
  - Bomb Service Trucks
  - Cargo Trucks
  - Tractor Cranes
  - Link Loading Machines
  - Smoke Screen Tanks and Associated Equipment
Weight: Approx. 70 long tons
Cube: Approx. 600 measurement tons
**J7M—MARINE AIRCRAFT REARMING COMPONENT—VB SQUADRON**

Provides ground handling and maintenance equipment for one Marine squadron of 12 VB airplanes. This component will be assigned only to those Marine squadrons scheduled to operate as a self-supporting unit. In addition to the equipment provided by this component, Marine squadrons are to draw appropriate airplane spare service, maintenance, accessory, and training equipment in accordance with Columns B and D of the airplane model allowance list for planes assigned.

Personnel: None
Material (Major Items Only):
- Bomb Trailers
- Bomb Service Trucks
- Cargo Trucks
- Tractor Cranes
- Link Loading Machines
Weight: Approx. 70 long tons
Cube: Approx. 450 measurement tons

**J8 (AND J8 ALTERNATIVE)—BASE DEFENSE COMPONENT—Obsolete**

**J8B—40 MM DEFENSE COMPONENT—Obsolete**

**J9—CLOSE-IN AA DEFENSE COMPONENT**

To augment top-side LST battery in forward landing operations, to furnish initial protection of beachhead and beachmaster’s party, later to augment base defense of airfield or Naval facilities, and at this time probably turn over to Army Defense Units. This component will be furnished only upon the special request of the Area Commander.

Personnel (Approx.):
- One officer and 32 enlisted—Total 33
  (Only one officer supplied if multiple components are sent)
Material (Major items only):
- 20 mm guns complete w/portable shore mounts, 12
- .50 cal. AAMG complete w/portable shore mounts, 5
- .30 cal. AAMG complete w/portable shore mounts, 5
Tools and spare parts for above
Ammunition for assigned guns
Magazines for assigned ammunition
Magazine handling equipment
Weight: Approx. 31 long tons
Cube: Approx. 92 measurement tons
J10—OPTICAL AND FIRE CONTROL SHOP—Obsolete

J10A—ORDNANCE OPTICAL SHOP

Designed to accomplish minor routine repair of Ordnance Optical Equipment, and to effect emergency repairs on many of the more complicated instruments. The purpose of this shop is to reduce the present heavy workload aboard various repair ships and tenders.

Personnel (Approx.):
One officer and 8 enlisted—Total 9
(This complement is for one-shift operation)

Material (Major items only):
Machine Shop Equipment
Equipment and spares for:
Optical and Navigational Instrument Repair
Watch repair
Housing—20' x 56' hut
Weight: Approx. 15 long tons
Cube: Approx. 50 measurement tons

J10B—FIRE CONTROL SHOP

Provides facilities for minor routine and emergency repairs to fire control equipment of fleet vessels. Designed normally for assignment in conjunction with the J10A component or to bases having established J10A optical shops. Tender sets of fire control spare parts are included.

Personnel (Approx.):
One officer and 44 enlisted—Total 45

Material (Major items only):
Special tools and instruments
Gunsight test and repair equipment (for calibration Mk. 14 and Mk. 15 sights)
Fire control spare part sets
Electrical—Generating unit
Housing—Approx. 3 huts, 20' x 48' (one for storage)
Weight: Approx. 50 long tons
Cube: Approx. 130 measurement tons
J11A—MINE ASSEMBLY DEPOT COMPONENT

Capable of assembling all types of mines at a rate of approximately 50 per day. Can be set up as self-sustaining when appropriate camp components are separately ordered. Assigned upon special request or by CNO.

Personnel (Approx.):
4 officers and 58 enlisted—Total 62
(Including 25 men, mine trained)

Materials (Major items only):
- Standard mine unit buildings
- Mine handling equipment
- Mine assembly tools and testing equipment
- Miscellaneous materials and supplies

Weight: Approx. 850 long tons
Cube: Approx. 1,050 measurement tons

J11B—MINE DETAIL COMPONENT (SMALL)

To assist in planning and to maintain and adjust for laying small numbers of offensive mines using heavy handling equipment already available at destination. Assigned upon special request or by CNO.

Personnel (Minimum):
One officer and no enlisted—Total 1
(Other operating personnel furnished by base at destination)

Material:
- Only tools and test sets for maintenance and adjustment of mines

Weight and cube negligible
J11C—MINE DETAIL COMPONENT (LARGE)

To assist in planning, and to maintain and adjust for laying, approximately 200 offensive mines. Assigned upon special request or by CNO.

Personnel (Minimum):
2 officers and 8 enlisted—Total 10
(Including 2 enlisted men—mine trained)

Material (Major items only):
Heavy handling equipment
Tools and test sets for maintenance and adjustment of approximately 200 mines
Tents and tarpaulins

Weight: Approx. 35 long tons
Cube: Approx. 150 measurement tons

J11D—MINE ASSEMBLY DEPOT COMPONENT (FORWARD)

Capable of assembling aircraft, PT-boat or submarine laid mines at a rate of approximately 10 per day. Can be set up as self-sustaining unit when appropriate N camp components are separately ordered. Assigned upon special request or by CNO.

Personnel (Approx.):
3 officers and 30 men—Total 33

Material (Major items only):
Mine handling equipment
Mine assembling tools and testing equipment
Refrigerated storage for batteries and mechanisms
Workshop trailer
Temporary storage facilities for 450 Mark 12 Mod 1 mines or equivalent

Housing—Approx. as follows:
Building 40 x 100
Building, non-magnetic 12 x 28
Hut 20 x 48

Weight: Approx. 150 long tons
Cube: Approx. 200 measurement tons

J11E—DEPTH CHARGE TESTING COMPONENT

For testing various types of depth charge pistols (or assembled depth charges) at main bases and specifically designated advanced bases. Permits overhaul, replacement of parts, and test of approximately 25 charges per day. Equipped with special appropriate testing equipment, nonmagnetic building, etc., dependent upon types of depth charges in the area. Assigned in accordance with logistic distribution of certain types of depth charges and special request of area commanders. (Normally to be located convenient to harbor facilities, possibly influence types will be combined with a mine component, and mechanical types and overhaul equipment combined with torpedo depot component).

Personnel (Approx.):
One officer and 3 enlisted men—Total 4

Material (Major items only):
Deep setting testing set
Air compressor (if required)
Tools and test sets for specified types of depth charges

Housing—Non-magnetic building 36 x 60

Weight: Approx. 100 long tons
Cube: Approx. 250 measurement tons
J12—NET DEPOT—Obsolete

J12A—NET COMPONENT (LARGE)

Installs, maintains and operates the net defenses of a large harbor. Net laying vessels must be provided by forces afloat. This component is separately assembled and assigned by the CNO if required, because the quantity and type of net material for a harbor’s net defenses must be planned for each specific harbor.

Personnel (Approx.):
5 officers and 27 enlisted—Total 32

Material (Major items only):
Net material:
A/T net
A/S net, standard
A/S net, light (H. I. type)
Extra light indicator net
Individual ship A/T units complete
Depot net handling equipment—cranes, trailers, tractors
Pontoon gate vessels, pontoon net tending barge, buoy boats
Net weaving form

Housing—Bldg. 40 x 100 and two huts 20 x 48

Weight: Approx. 5,000 long tons (average weight for planning purposes)
Cube: Approx. 15,000 measurement tons (average cube for planning purposes)

J12B—NET COMPONENT (MEDIUM)

Installs, maintains and operates the net defenses of a medium sized harbor. Net laying vessels must be provided by the forces afloat. This component is separately assembled and assigned by the Chief of Naval Operations if required because the quantity and type of net material for a harbor’s net defenses must be planned for each specific harbor.

Personnel (Approx.):
3 officers and 27 enlisted—Total 30

Material (Major items only):
Net material
A/T net
A/S net, light (H. I. type)
Extra—light indicator net

Depot handling equipment—cranes, trailers, tractors
Pontoon gate vessels, pontoon net tending barge, buoy boats
Net weaving form

Housing—Hut 20 x 48

Weight: Approx. 1,000 long tons (average weight for planning purposes)
Cube: Approx. 5,000 measurement tons (average cube for planning purposes)
J13A—DEGAUSSING COMPONENT—(LARGE)

Provides calibration and check range service for all classes of ships, self-deperming of minesweepers, self-flashing of submarines, deperming of other vessels utilizing a minesweeper to furnish deperming power, degaussing maintenance inspection and minor repair and magnetic compass compensation service.

Personnel (Approx.):
- 7 officers and 27 enlisted—Total 34.

Material (Major items only):
- Deep coil type calibration range
- Shallow coil type calibration range
- Loop range (can be installed deep or shallow)
- Self-deperming equipment for minesweeper (includes portable magnetometers)
- Flash-D equipment for submarines (less deperming cable)
- Maintenance inspection equipment (2 sets)
- Compass adjusting equipment (2 sets)
- Damage repair materials (Navy and merchant type)
- Moorings (North-South) for minesweeper (2)
- Range marker buoys (6)
- Technical tools
- Signal equipment
- Publications
- Shop consumables
- Generators, Diesel or gas driven (3)
- 33’ work boats (2)
- Transportation—Trucks
- Housing—Approx. 2 huts

Weight: Approx. 130 long tons
Cube: Approx. 200 measurement tons
J13B—DEGAUSSING COMPONENT—(MEDIUM)

Provides calibration and check range service for minesweepers, escort and patrol vessels, self-deperming of minesweepers, deperming of other vessels utilizing a mine-sweeper to furnish deperming power, degaussing and maintenance inspection and minor repair, and magnetic compass compensation service.

Personnel (Approx.):
4 officers and 17 enlisted—Total 21

Material (Major items only):
- Shallow coil type calibration range
- Loop range (can be installed deep or shallow)
- Self-deperming equipment for minesweepers (Includes portable magnetometers)
- Maintenance inspection equipment (2 sets)
- Compass adjusting equipment (2 sets)
- Damage repair materials for minesweepers, escort and patrol vessels
- Moorings for minesweepers (1)
- Range marker buoys (4)
- Technical tools
- Signal equipment
- Publications
- Shop consumables
- Generators, Diesel or gas driven (3)
- 33' work boats (2)
- Transportation—trucks
- Housing—Approx. 2 huts

Weight: Approx. 108 long tons
Cube: Approx. 169 measurement tons

J13C—DEGAUSSING COMPONENT—MINESWEEPER BASE

This component provides degaussing service for minesweepers at any base by providing a means of calibration by portable magnetometers, check ranging over a shallow loop range, self-deperming of minesweepers, maintenance inspection and compass adjusting services, and minor degaussing repairs.

Personnel (Approx.):
One officer and 2 enlisted—Total 3

Material (Major items only):
- Loop range
- Minesweeper self-deperming equipment
- Maintenance inspection equipment
- Compass adjusting equipment
- Moorings for minesweepers (1 set)
- Battle damage repair materials for minesweepers
- Range marker buoys (2)

Weight: Approx. 26 long tons
Cube: Approx. 40 measurement tons
J13D—DEGAUSSING COMPONENT—SUBMARINE BASE

This component provides degaussing services for submarines and necessary minesweepers attached to the base by providing means of measuring their degaussed fields with portable magnetometers and a loop range, self-flashing for the submarines, self-deperming for the minesweepers, maintenance inspection of minesweepers and other ships, compass adjusting service, and minor degaussing repairs.

Personnel (Approx.):
2 officers and 5 enlisted—Total 7

Material (Major items only):
Loop range
Flash-D equipment for submarines
N-S moorings for 1,500 ton submarines (2)
Maintenance inspection equipment
Compass adjusting equipment
Battle damage repair materials for minesweepers
33' work boat
Range marker buoys (2)

Weight: Approx. 33 long tons
Cube: Approx. 46 measurement tons

J13E—DEGAUSSING COMPONENT—FOR MOBILE UNIT

Provides for a ready-for-shipment assembly of technical degaussing materials and personnel required to convert an operating ship to a mobile degaussing unit (YDG). This component will be outfitted to provide the following services: Installation of coil and loop type calibration and check ranges; deperming service for ships; flash-D treatment for submarines and small craft; degaussing maintenance inspection; magnetic compass compensation services; minor degaussing installation repairs.

Personnel (Approx.):
3 officers and 4 enlisted—Total 7

Note.—Technical personnel above does not include those required for ship or range operation. These should be requested separately when needed.

Material (Major items only):
Coil type ranges, deep or shallow (2)
Loop range
Deperming and flashing equipment suitable for deperming heavy cruisers and flashing submarines and landing craft
Maintenance inspection equipment (2 sets)
Compass adjusting materials (2 sets)
Damage repair materials for Navy and merchant types modified as necessary by available stowage space

Diving equipment consisting of:
No. 2 diving outfit
Standard shallow water diving outfits (2)
*Storage battery power plant
Motor launches or equivalent (2)

Weight: Approx. 60 long tons
Cube: Approx. 65 measurement tons

*Note.—The storage battery power plant for flashing landing craft of LCI class utilizing a floating “Z” loop is to be provided only where the hull under conversion is of adequate size to accommodate the batteries in addition to other equipment specified.
J14—AVIATION ORDNANCE—Obsolete

J14A—MACHINE GUN MAINTENANCE COMPONENT

Equipped to perform field service and emergency repair to aircraft machine guns. This component will be comprised in accordance with actual or anticipated plane assignments following the assignment of the J7 Components.

Personnel: None (J7, CASU and PATSU personnel to use this equipment)

Material:
- Maintenance tools including boresight kits and armorer’s chests
- Spare parts for .50 cal. and .30 cal. aircraft machine guns
- Shop consumables

Weight: Approx. 4 long tons.
Cube: Approx. 8 measurement tons.

J14C—AIRCRAFT TRAINING COMPONENT

Training equipment for flying personnel (MG & bombing)

Personnel: None

Material:
- Containers, tow targets
- Reel tow targets
- Machine gun stand

Weight: Approx. 3 long ton
Cube: Approx. 20 measurement tons

J14D—BOMBSIGHT OVERHAUL SHOP

Provides overhaul facilities for bombsights. This shop supplied to large bases only.

Personnel (Approx.):
- One officer and 2 men—Total 3
  (to be augmented by CASU & PATSU personnel)

Material (Major items only):
- Shop equipment
- Title “C” Misc.
- Base sets of spare parts
- Housing—Hut 20 x 48
- Construction materials

Weight: Approx. 17 long tons
Cube: Approx. 61 measurement tons

J14E—SQUADRON BOMBSIGHT SHOP

For calibration and minor repairs only.

Personnel (Approx.):
- One officer and one man—Total 2
  (To be augmented by CASU and PATSU personnel)

Material:
- Special and base spares
- Calibration equipment

Weight: Approx. 1 long ton
Cube: Approx. 1 measurement ton
J15—PERSONAL ARMS AND EQUIPMENT—Obsolete

J15A—PERSONAL ARMS AND EQUIPMENT FOR ENLISTED PERSONNEL

Provides the equipment listed below for 100 men (assuming 4 CPO’s and 96 men). CB’s are separately outfitted with this equipment.

Personnel: None
Material (Major items only):
- Infantry equipment and gas masks
- Rifles or Carbines with essential spare parts
- Pistols (for CPO’s) with essential spare parts
- Thompson sub-machine guns
- Ammunition for assigned guns

Weights: Approx. 2 long tons
Cube: Approx. 11 measurements

J15B—PERSONAL ARMS AND EQUIPMENT FOR OFFICERS

Provides the material listed below for one officer. CB officers are separately outfitted with this equipment.

Personnel: None
Material (Major items only):
- Infantry equipment and gas masks
- Pistol with essential spare parts and ammunition

Weight and Cube negligible
K—AIRCRAFT DETECTION AND FIGHTER DIRECTION—Obsolete

K1—ARGUS—Obsolete
K2—AIR WARNING AND FIGHTER DIRECTION (ASSAULT)—Obsolete
K4—DETECTION, FIGHTER DIRECTION AND COMBAT INFO. CTR.—Obsolete

L—MOTOR TORPEDO BOAT BASE—Obsolete

L1—MOTOR TORPEDO BOAT OPERATING BASE—Obsolete
L2—MAJOR ENGINE OVERHAUL COMPONENT—Obsolete

M—LANDING CRAFT AND AMPHIBIOUS TRAINING GROUP—Obsolete
N—CAMP COMPONENTS

These components will not be sent with any other component or any special selection of Components unless they are specifically requested.

Standard Units, such as Lions, Cubs, Acorns and PT Boat Bases, include sufficient N Components to accommodate all Naval personnel stationed at the advanced base. When these camps are not needed in the Standard Unit ordered, the Area Commanders will indicate that they are to be omitted.

N1A—CAMP (250 MEN)—TENTS

Designed to accompany an initial movement. It provides complete living facilities in tents for 25 officers, 200 men and the 25 man complement below. Area Commanders should specify the number of officers and men each camp is to support if varying from above numbers.

Personnel (Approx.):
No officers and 25 enlisted—Total 25

Material (Major items only):
Tents for housing, messing, recreation and storage
Hut for galley (including interior fixtures), dry and refrigerated storage
Laundry (scrub decks)
Showers (knock-down) and pit latrines
Water systems—Purification, distribution and distillation
Power and lighting systems
Transportation equipment—Trucks (for camp use only)
Miscellaneous hand tools, camp supplies and building materials
Cobbler, barber and tailor kit
Cots, mattresses, bedding and linens
Galley gear and mess gear
Special and protective clothing
Consumables—30 days supply of dry provisions, 90-day supply of clothing and small stores, ship's store stock, and standard stock items for approx. 250 men

Weight: Approx. 215 long tons
Cube: Approx. 470 measurement tons
N1B—CAMP (250 MEN)—TROPICAL HUTS

Designed to accompany an independent movement to a tropical area. It provides complete living facilities in huts for 25 officers, 200 men and the 25-man complement below. Area Commanders should specify the number of officers and men each camp is to support if varying from above numbers.

Personnel (Approx.):
No officers and 25 enlisted—Total 25

Material (Major items only):
- Tropical huts for housing, messing, recreation and storage
- Tropical hut for galley (including interior fixtures), dry and refrigerated storage
- Tropical hut for laundry (with washing machine)
- Showers (knock-down) and pit latrines
- Water systems—purification and distribution and distillation
- Power and lighting systems
- Transportation equipment—Trucks (for camp use only)
- Miscellaneous hand tools, camp supplies and building materials
- Cobbler, barber and tailor kits
- Cots, mattresses, bedding and linens
- Galley gear and mess gear
- Special and protective clothing
- Consumables—30 days supply of dry provisions, 90 day supply of clothing and small stores, ships store stock, and standard stock items for approximately 250 men.

Weight: Approx. 340 long tons
Cube: Approx. 642 measurement tons

N1C—CAMP (250 MEN)—NORTHERN HUTS

Designed to accompany an independent movement to a cold climate. It provides complete living facilities in huts for 25 officers, 200 men and the 25-man complement below. Area Commanders should specify the number of officers and men each camp is to support if varying from above numbers.

Personnel (Approx.):
No officers and 25 enlisted—Total 25

Material (Major items only):
- Northern huts for housing, messing, recreation, and storage
- Northern hut for galley (including interior fixtures), dry and refrigerated storage
- Northern hut for laundry (with washing machines)
- Northern huts for shower—Latrines (with chemical toilets)
- Water systems—Purification and distribution and distillation
- Power and lighting systems
- Transportation equipment—Trucks (for camp use only)
- Miscellaneous hand tools, camp supplies and building materials
- Cobbler, barber, and tailor kits
- Cots, mattresses, bedding, and linens
- Galley gear and mess gear
- Special and protective clothing
- Consumables—30-day supply of dry provisions, 90-day supply of clothing and small stores, ships store stock, and standard stock items for approximately 250 men

Weight: Approx. 349 long tons
Cube: Approx. 642 measurement tons

Amendment No. 2
N2A—CAMP (100 MEN)—TENTS

Designed to accompany an initial movement. It provides complete living facilities in tents for 10 officers, 76 men and the 14-man complement below. Area Commanders should specify the number of officers and men each camp is to support if varying from above numbers.

Personnel (Approx.):
- No officers and 14 enlisted—Total 14

Materials (Major items only):
- Same as N1A, reduced in quantity for 100 men

Weight: Approx. 139 long tons
Cube: Approx. 272 measurement tons

N2B—CAMP (100 MEN)—TROPICAL HUTS

Designed to accompany an independent movement to a tropical area. It provides complete living facilities in huts for 10 officers, 76 men and the 14 man complement below. Area Commanders should specify the number of officers and men each camp is to support if varying from above numbers.

Personnel (Approx.):
- No officers and 14 enlisted—Total 14

Material (Major items only):
- Same as N1B reduced in quantity for 100 men

Weight: Approx. 172 long tons
Cube: Approx. 319 measurement tons

N2C—CAMP (100 MEN)—NORTHERN HUTS

Designed to accompany an independent movement to a cold climate. It provides complete living facilities in huts for 10 officers, 76 men and the 14 man complement below. Area Commanders should specify the number of officers and men each camp is to support if varying from above numbers.

Personnel (Approx.):
- No officers and 14 enlisted—Total 14

Material (Major items only):
- Same as N1C in reduced quantity for 100 men

Weight: Approx. 209 long tons
Cube: Approx. 380 measurement tons
N3A—CAMP (50 MEN)—TENTS

Designed to accompany an initial movement. It provides complete living facilities in tents for 5 officers, 37 men and the 8 man complement below. Area Commanders should specify the number of officers and men each camp is to support if varying from above numbers.

Personnel (Approx.):
- No officers and 8 enlisted—Total 8

Materials (Major items only):
- Same as N1A, reduced in quantity for 50 men
- Weight: Approx. 97 long tons
- Cube: Approx. 192 measurement tons

N3B—CAMP (50 MEN)—TROPICAL HUTS

- Designed to accompany an independent movement to a tropical area. It provides complete living facilities in huts for 5 officers, 37 men and the 8 man complement below. Area Commanders should specify the number of officers and men each camp is to support if varying from above numbers.

Personnel (Approx.):
- No officers and 8 enlisted—Total 8

Material (Major items only):
- Same as N1B reduced in quantity for 50 men.
- Weight: Approx. 114 long tons
- Cube: Approx. 213 measurement tons

N3C—CAMP (50 MEN)—NORTHERN HUTS

Designed to accompany an independent movement to a cold climate. It provides complete living facilities in huts for 5 officers, 37 men and the 8 man complement below. Area Commanders should specify the number of officers and men each camp is to support if varying from above numbers.

Personnel (Approx.):
- No officers and 8 men—Total 8

Material (Major items only):
- Same as N1C in reduced quantity for 50 men.
- Weight: Approx. 113 long tons
- Cube: Approx. 238 measurement tons
N4A—CAMP (25 MEN)—TENTS

Designed to accompany an initial movement. It provides complete living facilities in tents for 3 officers, 19 men and the 3 man complement below. Area Commanders should specify the number of officers and men each camp is to support if varying from the above numbers.

Personnel (Approx.):  
No officers and 3 enlisted—Total 3
Material (Major items only):
Same as N1A, reduced in quantity for 25 men.
Weight: Approx. 71 long tons
Cube: Approx. 143 measurement tons

N4B—CAMP (25 MEN)—TROPICAL HUTS

Designed to accompany an independent movement to a tropical area. It provides complete living facilities in huts for 3 officers, 19 men and the 3 man complement below. Area Commanders should specify the number of officers and men each camp is to support if varying from above numbers.

Personnel (Approx.):  
No officers and 3 enlisted—Total 3
Material (Major items only):
Same as N1B reduced in quantity for 25 men.
Weight: Approx. 97 long tons
Cube: Approx. 185 measurement tons

N4C—CAMP (25 MEN)—NORTHERN HUTS

Designed to accompany an independent movement to a cold climate. It provides complete living facilities in huts for 3 officers, 19 men and the 3 man complement below. Area Commanders should specify the number of officers and men each camp is to support if varying from above numbers.

Personnel (Approx.):  
No officers and 3 enlisted—Total 3
Material (Major items only):
Same as N1C reduced in quantity for 25 men.
Weight: Approx. 95 long tons
Cube: Approx. 202 measurement tons
N5B—CAMP BUILDINGS (250 MEN)—TROPICAL

This component contains only the permanent housing to replace the tents originally shipped in an N1A Component to a tropical climate.

Personnel: None

Material (Major items only):
- Tropical huts for housing, messing, recreation and storage
- Tropical hut for laundry (with washing machines)
- Additional building materials

Weight: Approx. 150 long tons
Cube: Approx. 223 measurement tons

N5C—CAMP BUILDINGS (250 MEN)—NORTHERN

This component contains only the permanent housing to replace the tents originally shipped in an N1A Component to a cold climate.

Personnel: None

Material (Major items only):
- Northern huts for housing, messing, recreation and storage
- Northern hut for laundry (with washing machines)
- Northern huts for shower—latrines (with chemical toilets)
- Additional building materials

Weight: Approx. 209 long tons
Cube: Approx. 350 measurement tons
N6A—BAKERY (3,000 MEN)

Provides baking facilities for a base of approximately 3,000 men when operated 24 hours a day.

Personnel (Approx.):
No officers and 18 men—Total 18
(Bakers in other N Components will be deleted when this Component is in the same movement)

Material (Major items only):
Hut for bakery complete with fixtures and equipment
Hut for dry storage
Weight: Approx. 35 long tons
Cube: Approx. 49 measurement tons

N6B—BAKERY (2,000 MEN)

Provides baking facilities for a base of approximately 2,000 men when operated 16 hours a day.

Personnel (Approx.):
No officers and 12 men—Total 12
(Bakers in other N Components will be deleted when this Component is in the same movement)

Material (Major items only):
Same as N6A
Weight: Approx. 35 long tons
Cube: Approx. 49 measurement tons

N6C—BAKERY (1,000 MEN)

Provides baking facilities for a base of approximately 1,000 men when operated 8 hours a day.

Personnel (Approx.):
No officers and 6 men—Total 6
(Bakers in other N Components will be deleted when this Component is in the same movement)

Material (Major items only):
Hut for bakery complete with fixtures and equipment
Weight: Approx. 28 long tons
Cube: Approx. 49 measurement tons
N7A—CAMP (1,000 MEN)—TENTS

Designed to accompany an initial movement. It provides complete living facilities in tents for 100 officers, 819 men and the 81-man complement below. Area commanders should specify the number of officers and men each camp is to support if varying from above numbers.

Personnel (Approx.):
- No officers and 81 enlisted—Total 81

Material (Major items only):
- Tents for housing, messing, recreation, and storage
- Galley: 40' x 100' building with all interior fixtures and dry and refrigerated storage facilities
- Laundry, 20' x 48' hut with all fixtures
- Bakery, 20' x 48' hut with all fixtures
- Showers and latrines, 20' x 48' huts with all fixtures
- Water systems—Distribution system and purification or distillation system
- Sewer system
- Power and lighting systems
- Barber equipment
- Cots, mattresses, bedding and linen
- Galley and mess gear
- Special and protective clothing
- Transportation equipment—Trucks and trailers (for camp use only)
- Miscellaneous hand tools, camp supplies, and building materials
- Consumables—30 days supply of dry provisions, 90 day supply of clothing and small stores, ships store stock, and standard stock items for approx. 1,000 men.

Weight: Approx. 800 long tons
Cube: Approx. 1,700 measurement tons

N7B—CAMP (1,000 MEN)—TROPICAL HUTS

Designed to accompany an independent movement to a tropical area. It provides complete living facilities in huts for 100 officers, 819 men and the 81-man complement below. Area commanders should specify the number of officers and men each camp is to support if varying from above numbers.

Personnel (Approx.):
- No officers and 81 enlisted—Total 81

Material (Major items only):
- Tropical huts for housing, messing, recreation, and storage
- Galley: 40' x 100' building with all interior fixtures and facilities for dry and refrigerated storage
- Laundry: 20' x 48' hut with all fixtures
- Bakery: 20' x 48' hut with all fixtures
- Showers and latrines: 20' x 48' huts with all fixtures
- Water system—Distribution system and purification or distillation system
- Sewer system
- Power and lighting systems
- Barber equipment
- Cots, mattresses, bedding, and linen
- Galley and mess gear
- Special and protective clothing
- Transportation equipment—Trucks and trailers, (for camp use only)
- Miscellaneous hand tools, camp supplies, and building materials
- Consumables—30 days supply of dry provisions, 90 day supply of clothing and small stores, ships store stock, and standard stock items for approx. 1,000 men.

Weight: Approx. 1,200 long tons
Cube: Approx. 2,000 measurement tons

Amendment No. 2
N7C—CAMP (1,000 MEN)—NORTHERN HUTS

Designed to accompany an independent movement to a cold climate. It provides complete living facilities in huts for 100 officers, 819 men and the 81 man complement below. Area commanders should specify the number of officers and men each camp is to support if varying from above numbers.

Personnel (Approx.).
No officers and 81 enlisted—Total 81

Material (Major items only).
Northern huts for housing, messing, recreation, and storage
Galley: 40' x 100' building with all interior fixtures and facilities for dry and refrigerated storage.
Laundry: 20' x 48' hut with all fixtures
Bakery: 20' x 48' hut with all fixtures
Showers and latrines: 20' x 48' huts with all fixtures
Water system—distribution system and purification or distillation system
Sewer system
Power and lighting systems
Barber equipment
Cots, mattresses, bedding, and linen
Galley and mess gear
Special and protective clothing
Transportation equipment—Trucks and trailers, (for camp use only)
Miscellaneous hand tools, camp supplies, and building materials
Consumables—30 days supply of dry provisions, 90 day supply of clothing and small stores, ships store stock, and standard stock items for approx. 1000 men.

Weight: Approx. 1,300 long tons
Cube: Approx. 2,200 measurement tons

N8B—CAMP BUILDINGS (1,000 MEN)—TROPICAL

This component contains only the permanent housing to replace the tents originally shipped in an N7A component to a tropical climate.

Personnel: None

Material (Major items only).
Tropical huts for housing, messing, recreation and storage
Additional electrical, mechanical, and building material items to replace non-salvageable items used in establishing the N7A Camp.

Weight: Approx. 525 long tons
Cube: Approx. 625 measurement tons

N8C—CAMP BUILDINGS (1,000 MEN)—NORTHERN

This component contains only the permanent housing to replace the tents originally shipped in an N7A component to a cold climate.

Personnel: None

Material (Major items only).
Northern huts for housing, messing, recreation and storage
Additional electrical, mechanical, and building material items to replace non-salvageable items used in establishing the N7A camp.

Weight: Approx. 575 long tons
Cube: Approx. 825 measurement tons
N9—BASE RECREATION COMPONENT

Provides recreation equipment for the personnel of any Advanced Base Unit to which this component is assigned. Only one component is assigned to a Unit but size varies depending upon the complement of the Unit. If requested for an already established base the size and nature of the base should be stated. In such cases the Allotment will be deleted from the component.

Personnel: None. Welfare and recreation officers and athletic specialists are provided in the A1, 2, and 3 components of LION's, CUB's, and ACORN's. Trained operators for motion picture equipment should be available in all units. If not request for them should be made to BuPers via CNO.

Material (Major items only):

Library—A collection of books for recreational reading as well as a small collection of professional and technical books specially designed to suit the needs of the Unit to which this component is assigned. The size of the library is roughly based on 1.5 books per man.

Projectors—35mm Sound motion picture equipment.

The quantity and type of motion picture equipment is determined on the basis of complement to meet the requirements of each Advanced Base Unit (see the current abridged IOL).

Housing—Not provided with this component. All camps have buildings for recreation uses.

Allotment (Welfare and Recreation):

Purpose—For the requisitioning of:

- Athletic gear of all kinds
- Games and other recreational equipment
- Radios and musical equipment
- Periodicals

Amount: Ranges as follows:

$4.00 per man for complements of one to 100
$3.50 per man for complements of 100 to 200
$3.00 per man for complements of 200 to 500
$2.50 per man for complements of 500 to 1,000
$2.00 per man for complements of 1,000 and over

Procedure—BuPers will grant this allotment to the C. O. of the Unit when the movement order for the Unit is promulgated. Requisitions may then be sent by the C. O. to the NSD or Naval Purchasing Office. For guidance in the selection of the material, C. O.'s are referred to the BuPers booklet "Sports-Games-Music Catalog" and the Welfare and Recreation Officer of the District in which the Unit is assembling.

Weight and cube varies for each component.
N10—BASE EDUCATIONAL SERVICES COMPONENT (LARGE)

Provides an opportunity for men at larger advanced bases (5,000 to 10,000 men) to continue their education. The Educational Services program makes it possible for men to meet requirements for graduation from high school or college; to build up their education toward advancement in their Navy careers; to keep informed concerning the progress of the war and their part in it; and to prepare for return to civilian life. Educational Services are carried out through voluntary classes, correspondence courses, self-teaching materials, and war information lectures and discussions.

Personnel (Approx.):

- 2 officers and no enlisted—Total 2
- (The C. O. of the Unit will detail enlisted men, with appropriate educational training, for duty with the component.)

Material (Major items only):

- Textbooks and reference books (4,000)
- Pamphlets (2,600)
- Electric Linguaphone Machines (2)
- Portable Play-back Machines (2)
- Language Records (5 sets)
- Maps and Charts (25)
- Miscellaneous Equipment and Supplies
- Huts, 20' x 48', (2) with blackboards

Weight: Approx. 25 long tons
Cube: Approx. 40 measurement tons

N11—BASE EDUCATIONAL SERVICES COMPONENT (SMALL)

Provides an opportunity for men at smaller advanced bases (1,000 to 5,000 men) to continue their education. The Educational Services program makes it possible for men to meet requirements for graduation from high school or college; to build up their education toward advancement in their Navy careers to keep informed concerning the progress of the war and their part in it; and to prepare for return to civilian life. Educational Services are carried out through voluntary classes, correspondence courses, self-teaching materials, and war information lectures and discussions.

Bases of less than 1,000 men are advised to contact Educational Services representatives in their area.

Personnel (Approx.):

- One officer and no enlisted—Total one
- (The C. O. of the Unit will detail enlisted men, with appropriate educational training, for duty with the component.)

Material (Major items only):

- Textbooks and reference books (3,000)
- Pamphlets (2,000)
- Electric Linguaphone Machines (2)
- Portable Play-back Machines (2)
- Language Records (5 sets)
- Maps and Charts (25)
- Miscellaneous Equipment and Supplies
- Hut, 20' x 48', (1) with blackboards

Weight: Approx. 15 long tons
Cube: Approx. 25 measurement tons
N12—LAUNDRY (1,000 MEN)

Provides industrial type laundry facilities for 1,000 men. Suitable for washing and rough drying 100 lb. per hour (dry weight) clothing, bed sheets, blankets, etc. Equipment for limited amount of hand ironing also furnished. This component is for general use at Advanced Bases, and may replace or supplement the laundry facilities in the Camp Components. (Fifty hours operation per week will provide 5 lb. of laundry per man per week). Laundry equipment provided is similar to that furnished for G2, G4, G5, G6, N7A, N7B and N7C Components.

Personnel (Approx.):
No officers and 5 enlisted—Total 5

Material (Major items only):
Hut (1), 20' x 56', steel arch rib
Laundry equipment, portable, including washer, extractor, tumbler (drier) and water heater. All units individually electric motor driven.
Automatic oil burning equipment provided for water heater and tumbler (drier).
Irons (8), electric, hand, with ironing boards, benches, etc.
Weight: Approx. 20 long tons
Cube: Approx. 30 measurement tons
P—CONSTRUCTION AND PUBLIC WORKS COMPONENTS

Construction Battalions are trained to construct and maintain an Advance Base including roads, airfields, tank farms, technical buildings, camps for personnel, water, lighting, and communications systems and other public works and utilities.

The necessity for Construction Battalions with Lions and Cubs cannot be predetermined, but depends on the quality and quantity of labor at the destination point. No Construction Battallion personnel or equipment will accompany Lions or Cubs leaving for any area unless specific arrangements have been made. If C. B.’s are available in the area to which these components are to be sent, P1 Components should not be requested and they should be deleted from such standard assemblies as Lions, Cubs and Acorns.

If Construction Battalions become necessary for construction or stevedoring, specific request should be made to the Chief of Naval Operations. If request is approved, necessary battalions will be supplied. Area Commanders should examine carefully their requirements for construction and stevedoring in advance so that, if sufficient local labor is not procurable, the Chief of Naval Operations may be so advised.

When C. B.’s are used it is intended that they will be withdrawn when construction of a base is complete and that Base Maintenance Components, as described under P5 will be requested in sufficient numbers to operate and maintain public works and utilities.
PI—CONSTRUCTION BATTALION

This is a specially trained battalion of one Headquarters Company and 4 Construction Companies, completely equipped and self-sustaining, able to construct airfields, roads, bridges, and buildings at an advanced base and to install, operate and maintain its public utilities.

Personnel (Approx.):

33 officers and 1,082 enlisted—Total 1,115

Material (Major items only):

Self-sustaining equipment and material such as:

Clothing, beds, bedding, infantry equipment, mess gear, and 2 days emergency rations, but no initial food supply unless specifically requested by the Area Command

Transportation equipment—trucks (44), trailers (13), ambulance, self-propelled pontoon barges (2).

Housing—Approximately as follows:

Huts w/galley, hospital wards, etc. (111)

Tents w/galley, hospital wards, etc. (334) with additional wood and canvas structures (34).

Utilities—Water systems, electric generators, telephone systems.

Headquarters equipment—Office equipment and supplies, medical supplies, photographic equipment and diving gear.

General hand tools and artisans tool sets.

Construction equipment—Rock drills and paving breakers (12), air compressors (4), concrete mixers (2), cranes, 5 to 10 ton (2), graders (4), machine shop trailer (1), pumps (8), rock crushing plant, portable (1), rollers (2), carryall scrapers (8), 3/4 yard shovels (3), 1 1/2 cu. yd. shovel, tractors (18), electric welding machines (4).

Camouflage, fire fighting and decontamination equipment.

Stock and supplies, including—steel bars, angles and sheets, lumber, bolts, nails, dynamite, welding rods, wire, rope, etc.

Motor fuel and lubricants (by special directive only—weight and cube included in summary below.)

Weight: Approx. 1,935 long tons

Cube: Approx. 5,198 measurement tons
P2—BASE CONSTRUCTION EQUIPMENT COMPONENT (LARGE)

Additional equipment to be used and maintained by the Construction Battalions in the construction of a large advanced base such as a Lion. When the base has been constructed and the CB is ready for a new assignment the Area Commander will determine whether or not this equipment is to move on with the CB.

Personnel: None

Material (Major items only):

Construction equipment:
- Construction maintenance shop equipment
- Misc. hand tools and equipment
- Power driven machines and their accessories, including:
  - Air tools
  - Cranes
  - Pumps
  - Mixers
  - Rock crushers
  - Shovels
  - Tractors

Stock and supply items

Weight: Approx. 2,185 long tons
Cube: Approx. 3,248 measurement tons

P3—BASE CONSTRUCTION EQUIPMENT COMPONENT (MEDIUM)

Additional equipment to be used and maintained by the Construction Battalions in the construction of a medium sized advanced base such as a Cub. When the base has been constructed and the CB is ready for a new assignment the Area Commander will determine whether or not this equipment is to move on with the CB.

Personnel: None

Material (Major items only):

Construction equipment:
- Construction maintenance shop equipment
- Misc. hand tools and equipment
- Power driven machines and their accessories, including:
  - Air tools
  - Cranes
  - Pumps
  - Mixers
  - Rock crushers
  - Shovels
  - Tractors

Stock and supply items

Weight: Approx. 774 long tons
Cube: Approx. 1,481 measurement tons
P4—BASE CONSTRUCTION EQUIPMENT COMPONENT (SMALL)

Additional equipment to be used and maintained by the Construction Battalions in the construction of a small advance base such as an Acorn. When the base has been constructed and the CB is ready for a new assignment the Area Commander will determine whether or not this equipment is to move forward with the CB.

Personnel: None

Material (Major items only):

Transportation equipment: Trucks and trailers

Construction equipment:
- Plows
- Rock drills
- Rock crusher
- Saw mill
- Chain saw, gas engine driven
- Riggers equipment
- Graders

General construction tools
- Stock and supply items
- Landing mat—30,000 sq. ft.

Weight: Approx. 483 long tons
Cube: Approx. 2,141 measurement tons

P5—BASE MAINTENANCE

This component is also known as a Construction Battalion Maintenance Unit (CBMU). It is made up of one Construction Company plus ¼ of a Construction Battalion Headquarters Company, and provides for the effective maintenance and operation of public works and utilities of an established base. It is recommended that the personnel of this component be assigned to the Construction Battalion and that an equal number of Construction Battalion personnel, familiar with the base construction, layout and equipment, be assigned to the base as a permanent maintenance component.

Request for these components should include information as to whether or not housing and subsistence facilities over and above those available will be required. Need for special equipment for maintenance and operating purposes peculiar to individual bases should also be outlined if required.

Personnel (Approx.):
- 7 officers and 270 enlisted—Total 277

Material (Major items only):

Maintenance equipment—Air tools, compressor, concrete mixer, cranes, graders, pumps, mowers, rollers, tractors, welding equipment, a variety of tool kits, hand tools, and light duty shop maintenance tools (both hand and power operated) and for both wood and metal working.

Transportation equipment—Jeeps, motorcycles, trailers, cargo and dump trucks.

Stock and supplies—Pipe, fittings, bolts, paint, welding rod, wire-rope, steel shapes, etc.

Headquarters equipment—Office equipment, first aid, photographic equipment and supplies.

Camp facilities—Housing in either tents or huts with galley, laundry, electric power, communications, water supply and fire protection.

Personnel equipment—Clothing, beds, bedding, infantry equipment, mess gear and 2 days' emergency rations.

Weight: Approx. 450 long tons
Cube: Approx. 1,400 measurement tons


**P6A—DECONTAMINATION AND CAMOUFLAGE (LARGE)**

Provides passive defense facilities for the protection of a large advanced base similar to a Lion. Fire fighting gear will be found under P12.

Personnel: None. CB personnel are trained in the use of this material

Material (Major items only):
- Housing for gas decontamination storage and collective protectors—Approx. 3 huts and 3 magazines
- Decontamination apparatus, power sprayers, equipment and materials for approx. 6 decontamination squads
- Camouflage materials including paint, spray guns and nets

Weight: Approx. 300 long tons

Cube: Approx. 800 measurement tons

**P6B—DECONTAMINATION AND CAMOUFLAGE (MEDIUM)**

Provides passive defense facilities for the protection of a medium sized advanced base similar to a Cub. Fire fighting gear will be found under P12.

Personnel: None. CB personnel are trained in the use of this material

Material (Major items only):
- Housing for gas decontamination storage and collective protectors—Approx. 2 huts and 2 magazines
- Decontamination apparatus, power sprayers, equipment and materials for approx. 3 decontamination squads
- Camouflage materials including paint, spray guns and nets

Weight: Approx. 150 long tons

Cube: Approx. 400 measurement tons

**P6C—DECONTAMINATION AND CAMOUFLAGE (SMALL)**

Provides passive defense facilities for the protection of a small advanced base similar to an Acorn. Fire fighting gear will be found under P12.

Personnel: None. CB personnel are trained in the use of this material

Material (Major items only):
- Housing for gas decontamination storage and collective protector—Approx. one hut and one magazine
- Decontamination apparatus, power sprayers, equipment and materials for approx. 2 decontamination squads
- Camouflage materials including paint, spray guns and nets

Weight: Approx. 75 long tons

Cube: Approx. 200 measurement tons

**P6D—DECONTAMINATION AND CAMOUFLAGE (PT BASE)**

Provides passive defense facilities for the protection of an advanced base similar to a PT Base. Fire fighting gear will be found under P12.

Personnel: None. CB personnel are trained in the use of this material

Material (Major items only):
- Housing for gas decontamination storage and collective protector—Approx. one magazine
- Decontamination apparatus, power sprayers, equipment and materials for approx. 3 decontamination squads
- Camouflage materials including paint, spray guns and nets

Weight: Approx. 40 long tons

Cube: Approx. 100 measurement tons
P7—WATER SUPPLY SYSTEM (PURIFICATION)

Provides a large advanced base with a water supply system capable of purifying 96,000 gallons of water per day. Includes purification, main distribution, storage and pumping equipment. System can furnish 25 gallons of water per day per man for a total of 3,840 men, with storage capacity for 2.6 days. This component does not include distillation facilities and is not adequate for locations where only salt water is available.

When this component is requested for the initial echelon shipments of a large base the major portion, or all, of the small purification units provided with the "N" camp components will be deleted.

When this component is requested for a follow-up movement, it will replace the numerous small purification units in existence at the destination. Since water allowance at large bases is 50 gallons per men per day, requests for P7 components should be made on the ratio of one component for each 1920 men.

Personnel: None. Base maintenance personnel (P-5 Component) will maintain and operate.

Material (Major items only):
- Purification unit, including settling tanks, filters, pumps, etc., with capacity of 96,000 gal./day
- Storage tanks (2), 126,000 gal. each, with piping
- Distribution main and pumps
- Chemicals—6 month's supply

Weight: Approx. 147 long tons
Cube: Approx. 227 measurement tons

P7A—WATER SUPPLY SYSTEM (Initial Movements)—Obsolete

P7B—WATER SUPPLY SYSTEM (Follow-up Movements)—Obsolete

P7C—WATER SUPPLY RE-OUTFITTING EQUIPMENT (Follow-up Movement)—Obsolete

P8—PORT DEVELOPMENT EQUIPMENT

Special equipment to augment the allowance of one-half of a Standard Construction Battalion (Component P1) to enable it to undertake rapid development of a damaged or undeveloped port. This includes the construction of wharves, roads and storage areas

Personnel:
- None. The one-half CB must be ordered as a separate item. If simultaneous unloading of ships is desired, the required number of CB's (Special) must be ordered also.

Material (Major items only):
- Special construction equipment, including pile drivers, saw mill, cranes, etc.
- Pontoon barges, ramps, bridges, crane bases, and wharf.
- Standard construction items to augment CB allowance list.

Weight: Approx. 547 long tons
Cube: Approx. 2,122 measurement tons
P9—WOODEN PIER

Provides the material necessary to construct a wooden pier for berthing ships and unloading ships at an Advance Base. The necessary gear for building this pier is standard with all Construction Battalions.

Personnel: None

Material (Major items only):
- Material for wooden pier (40 x 500) Y and D drawing 267,770.

Weight: Approx. 833 long tons

Cube: Approx. 1,674 measurement tons

P10—PONTOON ASSEMBLY PLANT

Provides the facilities required to manufacture about 1,800 steel pontoons (5' x 5' x 7') per month, by welding assembly of precut plates and structural framing. The plant is designed to be operated in two shifts. If housing and subsistence facilities for the personnel are available at the site, the request should so stipulate.

Personnel (Approx.):
- 17 officers and 418 enlisted—Total 435
  (To be CB personnel specially trained)

Material (Major items only):
- Housing—Approx. 9 utility bldgs., 40' x 100'
- Shop equipment and material
- Water and electric power facilities
- Office, survey, drafting, photographic and communications facilities
- Erection equipment and materials

Weight: Approx. 1,800 long tons

Cube: Approx. 3,300 measurement tons

P11—AUTOMOTIVE & CONSTRUCTION EQUIPMENT OVERHAUL & REPAIR PLANT

Provides the facilities necessary for the overhaul of approximately 500 pieces of equipment per month. The shops are equipped to perform a major overhaul job on all types of advanced base gear such as trucks, tractors, cranes, etc. The spare parts required are to be furnished by requisition on the Area Spare Parts Depot. If housing and subsistence facilities for the personnel are available at the site, the request should so stipulate.

Personnel (Approx.):
- 20 officers and 630 enlisted—Total 650
  (To be CB personnel specially trained)

Material (Major items only):
- Housing—Approx. 14 utility bldgs. and one hut
- Shop equipment and material
- Water and electric power facilities
- Office, drafting, photographic and communication facilities
- Erection equipment and material

Weight: Approx. 1,250 long tons

Cube: Approx. 2,100 measurement tons.
P12A—FIRE PROTECTION—BASIC

The basic component for shore facilities. Materials furnished are adequate for the protection of the shore based facilities of a Standard PT Base Unit. Multiples of this component should be requested for larger bases.

Personnel (Approx.):

No officers and one enlisted—Total one

(When 4 or more P12 Components are requested an officer trained in fire fighting will be assigned to one P12A Component. The enlisted man will be a Specialist (F) and will maintain component equipment and assist in training the base personnel in fire fighting).

Material (Major items only):

Fire trailers (2) with 500 GPM pumps, hose, etc.
Tank—500 bbl.
Truck with portable pumps, hose, tools, breathing apparatus
Fire extinguishers, water & CO2—approx. 100
Foam generators
Hose, nozzles, etc.
Consumable supplies

Weight: Approx. 10 long tons
Cube: Approx. 30 measurement tons

P12B—FIRE PROTECTION—AIRFIELD

A special component for land based flight operations. Materials furnished are adequate for the protection of one squadron operating from one airfield. Multiples of this component should be requested for additional squadrons.

Personnel (Approx.):

No officers and one enlisted—Total one

(The enlisted man will be a Specialist (F) and will maintain component equipment and assist in training the base personnel in fire fighting)

Material (Major items only):

Fire and rescue truck with pumps, water and foam tanks, hose, tools, etc.
Consumable supplies

Weight: Approx. 4 long tons
Cube: Approx. 10 measurement tons
P12C—FIRE PROTECTION—WATERFRONT

A special component for the protection of small waterfronts, harbors, or anchorages. Multiples of this component should be requested for large waterfront installations. Equipment is designed to be installed on an LCM (3) assigned to duty as a fire boat.

Personnel (Approx.):
  No officers and one enlisted—Total one
  (The enlisted man will be a Specialist (F) and will maintain component equipment and assist in training the base personnel in fire fighting).

Material (Major items only):
  Equipment to be installed on an LCM (3);
    Pumps (2) 500 GPM, skid mounted
    Pumps, portable
    Hose, nozzles, fittings, etc.
    Fire fighting tools
    Fire extinguishers—water and CO₂
    Foam generators
  Maintenance equipment
  Consumable supplies

Weight: Approx. 3 long tons
Cube: Approx. 10 measurement tons

P12D—FIRE PROTECTION—SEADRONE

A special component for the protection of a seaplane base. Equipment is designed to be installed on a 33-foot plane rearming boat assigned to duty as a fire boat at the seaplane anchorage.

Personnel (Approx.):
  No officers and one enlisted—Total one
  (The enlisted man will be a specialist (F) and will maintain component equipment and will assist in training the base personnel in fire fighting)

Material (Major items only):
  Equipment to be installed on 33’ plane rearming boat;
    Pump—500 GPM, skid mounted
    Hose, nozzles, fittings, etc.
    Fire fighting tools
    Fire extinguishers—CO₂
    Foam generator
  Maintenance equipment
  Consumable supplies

Weight: Approx. 3 long tons
Cube: Approx. 10 measurement tons

P12E—FIRE PROTECTION—PIPING

The basic component of special light weight water piping necessary to install a water system for the protection of shore facilities. Multiples of this component should be requested for large bases.

Personnel: None.

Material (Major items only):
  Pipe, 6′′, 100 p. s. i. for salt water—Approx. 1,000 ft.
  Connections, etc.

Weight: Approx. 4 long tons
Cube: Approx. 13 measurement tons
P13—SPARE PARTS FOR AUTOMOTIVE AND CONSTRUCTION EQUIPMENT

Provides high mortality spare parts for all the automotive, construction and utilities equipment in the Advanced Base Unit to which this component is assigned. Only one (1) P13 Component will be assigned to a Unit, but it will be "tailor made" to fit the quantity and type of equipment in that Unit. The quantity provided is for the initial 90 days based on two-shift operation. It should be assigned to the initial movement or one of the early echelons.

Personnel:
None
(CB detachments trained in the handling of spare parts shall be provided by the Area Commander)

Material (Major Items Only):
Spare parts of high mortality and in appropriate quantity to maintain all automotive, construction and utility equipment assigned to the unit.
Office and warehouse equipment
Housing—Utility buildings in appropriate quantity.
Transportation equipment—Trucks
Building materials

<table>
<thead>
<tr>
<th>Weight in long tons Approx</th>
<th>Lion</th>
<th>Cub</th>
<th>Acorn</th>
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<tbody>
<tr>
<td>350</td>
<td>115</td>
<td>85</td>
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<tr>
<td>Cube in measurement tons Approx</td>
<td>400</td>
<td>130</td>
<td>100</td>
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</tbody>
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P14—LUMBER MANUFACTURING COMPONENT

Provides facilities for the manufacture of rough and dressed lumber at a major naval base. This component is capable of producing fifty thousand board feet per twelve hour shift. It is large enough to supply the needs of a number of bases in its vicinity.

Personnel: None.
(Personnel to be supplied from CB's within the area)

Material (Major items only):
Saw mills (2), complete with necessary operating tools, etc.
Transportation equipment—trucks, tractors, trailers
Housing—Hut, 20' x 56', and tarpaulins
Construction materials

Weight: Approx. 340 long tons
Cube: Approx. 627 measurement tons
Q—MISCELLANEOUS COMPONENTS

Q1—RAPID LANDING GEAR

Equipment peculiar and necessary to the rapid landing features of an Acorn and not included in any other component assigned to an Acorn.

Personnel: None

Material (Major items only):
- Special stevedoring gear
- Shop consumables
- Loud speakers
- Pontoon gear:
  - Barges (4) one w/5-ton crane
  - Wharf
  - Landing assemblies
  - Ramps, propelling units, etc.
- Trucks (12) and tractor cranes (5)

Weight: Approx. 960 long tons
Cube: Approx. 2,125 measurement tons

Q2—PRE-EMBARKATION COMPONENT (100 MEN)

Provides an Advanced Base Unit of 100 officers and men with those items of advanced base materials which it will need during the assembly period, while in transit to its eventual location and immediately upon debarkation. Triples of this component will be sent with larger units.

Personnel: None

Material (Major items only):
- Special clothing
- Tool kits necessary for unpacking
- Office equipment and supplies
- Personnel gear needed in transit

Weight: Approx. 1 long ton
Cube: Approx. 3 measurement tons
S—SPECIAL GROUPS

The letter S will be used as an assembly designator for miscellaneous groups of personnel and/or material in initial movements which cannot be provided by the assignment of standard or modified functional components.

One of the obvious advantages of the functional component system is that it facilitates physical assembly of material and personnel, and therefore it is desirable that whenever possible Area Commanders request components, with such modifications as may be necessary. However, it is recognized that occasionally there will be a need to request a group of personnel or individual items of equipment not in component form. In order to facilitate physical assembly of such special, non-component groups within the continental U. S., serial numbers will be assigned to such groups in CNO assembly directives to the Bureaus, and they will be known as S #501, S #502, S #503, etc. These serial numbers will be assigned by CNO (Op30) only, and not by Area Commanders or by the Bureaus. These serial numbers will not be used for maintenance shipments or for requisitions.