

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

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Serial 0279830

1 JULY 1945.
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1 August 1945)

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 0232730 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).

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Reviewed by DON/AA DRMD
Date: FEB 01 2019

H. H. Good
H. H. Good,
By direction.

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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.

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Date: FEB 01 2019

OFFICE OF THE CHIEF OF NAVAL OPERATIONS
BASE MAINTENANCE DIVISION (Op 30)
NAVY DEPARTMENT

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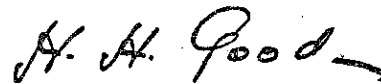
NAVY DEPARTMENT
OFFICE OF THE CHIEF OF NAVAL OPERATIONS
WASHINGTON

1 NOVEMBER 1944.

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 0593930 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.



H. H. GOOD,
By direction.

Amended as follows:

- Amendment No. 1, CNO Ser. 04230 dated 1 February 1945.
- Amendment No. 2, CNO Ser. 0140930 dated 1 May 1945.
- Amendment No. 3, CNO Ser. 0279830 dated 1 July 1945.

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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 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 and a number, A5, or a letter, number and letter, B4A. 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, 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 Lions, Cubs, Acorns 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 strategic 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 Clearfie'd, 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 Port Hueneme, 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)
- Manual of Advanced Base Development and Maintenance (OpNav30-11-A1)
- 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

Components		Dominant bureau	Personnel per component		Approximate weight, long tons	Approximate Cube measurement, tons	Page No.
Code	Title (abbreviated)		Officers	Men			
A	ADMINISTRATION						29
A1	Administration (large)	Y & D	9	94	140	450	29
A2	Administration (medium)	Y & D	7	55	95	260	29
A3	Administration (small)	Y & D	4	39	55	200	30
A4	Administration (PT base)	Y & D	2	8	20	125	30
A5	Intelligence Office (large)	Y & D	3	6	8	19	30
A6	Intelligence Office (medium)	Y & D	2	3	10	25	31
A7	Shore Patrol Company HQ	Y & D	3	20	30	70	31
A8	Military Government	Y & D	0	0	60	130	32
A9	Military Government--(Special)	Y & D	0	0	125	260	32
A10	Legal Office	Y & D	6	9	20	40	32
B	HARBOR CONTROL AND DEFENSE						33
B1	Harbor Entrance Control Post	Ships	4	23	40	100	33
B2A	Harbor Defense A/S Patrol	CNO-Op 30	3	39	210		34
B2B	Harbor Patrol	Ships	1	28	150	210	34
B3	Underwater Detection	Ships	3	36	225	500	35
B4A	Port Director (medium)	Ships	10	14	2,400	9,600	36
B4B	Port Director (small)	Ships	5	5	1,200	4,900	36
B4D	Beachmaster (large)	Ships	4	16	2	8	37
B4E	Beachmaster (small)	Ships	2	8	2	7	37
B4F	Port Director (large)	Ships	31	83	3,200	10,500	38
B4G	Port Director (medium large)	Ships	15	40	3,000	10,000	38
B5A	Boat Pool	Ships	1	5	215	450	39
B5B	Barge Pool	Y & D	0	28	900	3,100	39
B7	Surface Detection Radar	Ships	1	23	70	210	40
B8	Minesweeping	Ships	1	1	6	15	40
B9	Fleet Moorings	Y & D	0	0	See	Page	41
B10	Navigation Aids	Y & D	0	0	See	Page	42
C	COMMUNICATIONS						43
C1	Radio Sta-Oper Base (large)	Ships	7	42	40	122	43
C2	Radio Sta-Oper Base (medium)	Ships	3	22	32	115	44
C3	Radio Sta-Oper Base (small)	Ships	1	13	20	40	45
C4	Radio Sta-Air Base (large)	Ships	7	57	77	342	46
C5	Radio Sta-Air Base (small)	Ships	2	36	69	223	47
C6	Radio Sta-Airfield	Ships	5	30	43	136	48
C7	Visual Sta-Oper Base (large)	Ships	0	12	12	29	49
C8	Visual Sta-Oper Base (small)	Ships	0	8	9	23	49
C9	Radio Station-Harbor Defense	Ships	0	10	15	34	50
C10	Fleet Post Office (large)	Y & D	3	22	25	60	50
C12	Internal Communications (large)	Y & D	0	40	100	200	51
C13	Internal Communications (medium)	Y & D	0	21	35	80	51
C14	Internal Communications (small)	Y & D	0	11	20	45	51
C15	Radio Sta-Air Base Utility (large)	Ships	2	10	44	123	52
C17	Teletypewriter System	Ships	0	22	5	15	53
C19	Reg Publications Issuing Office	Y & D	2	3	34	43	54
C20	Communication Center	Y & D	20	13	20	50	54
C21	Mobile Radar Beacon	Ships	0	2	8	40	54A
C22	Ground Controlled Approach	Ships	3	15	30	140	54A

SUMMARY OF FUNCTIONAL COMPONENTS—Continued

Components		Dominant bu- reau	Personnel per component		Approximate weight, long tons	Approximate Cube measure- ment, tons	Page No.
Code	Title (abbreviated)		Officers	Men			
D	SUPPLY						55
D1	Storage and Supply (large)	S&A	49	600	12,000	19,000	55
D2	Storage and Supply (medium)	S&A	30	350	5,000	10,000	56
D3	Tank Farm (large)	Y&D	1	15	1,967	3,167	57
D4	Tank Farm (medium)	Y&D	1	11	819	1,344	57
D5	Fleet Supply Consumables	S&A	0	0	2,300	4,000	58
D6	Base Personnel Consumables	S&A	0	0	See	Page	58
D7	Shop Consumables	S&A	0	0	?	?	58
D8	Office Supplies	S&A	0	0	?	?	59
D9	Petroleum Products	S&A	0	0	See	Page	59
D10	Storage and Supply (small)	S&A	3	26	550	880	60
D11	Drum Filling Plant	Y&D	1	100	290	650	60
D12	Supply (small)	S&A	1	5	60	100	60
D13	Cobbler and Tailor Shop (large)	S&A	0	11	70	125	61
D15	Cobbler and Tailor Shop (small)	S&A	0	5	25	50	61
D19	Material Recovery (large)	S&A	2	30	140	475	62
D20	Disbursing Office (large)	S&A	3	31	18	27	63
D21	Disbursing Office (medium)	S&A	2	16	12	18	63
D22	Disbursing Office (small)	S&A	1	5	6	9	63
D23	Logistic Support Company	S&A	5	250	220	480	64
E	SHIP AND BOAT REPAIR						65
E1	Ship Repair (general)	Ships	22	720	3,700	7,500	66
E2	Ship Repair (capital ships)	Ships	21	695	3,500	7,000	67
E3	Ship Repair (destroyers)	Ships	19	583	2,500	4,500	68
E5	Ship Servicing	Ships	3	86	171	549	69
E6	Landing Craft Base Repair	Ships	21	499	2,400	5,200	70
E6A	Landing Craft Spare Parts (large)	Ships	1	1	120	260	71
E8	Repair—Small Boat	Ships	4	102	700	1,900	72
E9	Repair—Small Amph Craft (motor)	Ships	0	18	60	200	72
E9A	Mobile LVT Repair	Ships	1	19	30	180	73
E10	Std. Landing Craft U.—Maintenance	Ships	5	199	1,000	2,500	73A
E10A	Landing Craft Spare Parts (small)	Ships	1	1	70	140	73A
E11	PT Operating Base Repair	Ships	3	131	1,000	2,500	74
E12	Pt Major Engine Overhaul	Ships	2	82	150	200	74
E13	Minesweep Equip Repair (large)	Ships	2	8	See	Page	75
E14	Minesweep Equip Repair (medium)	Ships	1	6	See	Page	75
E15	Minesweep Equip Repair (small)	Ships	1	4	See	Page	75
E16	Oxygen Generating Plant	Ships	0	12	225	300	76
E17	Acetylene Generating Plant	Ships	0	9	160	240	77
E19	Typewriter Repair	S&A	0	1	7	13	77
E20	Base LVT Repair	Ships	15	270	1,150	1,550	79
E21	PT Sqdn. Portable Base Equipment	Ships	1	8	70	130	80
E22	Landing and Patrol Craft Repair—Mobile	Ships	4	82	140	700	80A
E24	Carbon Dioxide Generating Plant	Ships	0	8	65	200	80B

SUMMARY OF FUNCTIONAL COMPONENTS—Continued

Components		Dominant bureau	Personnel per component		Approximate weight, long tons	Approximate Cube measurement, tons	Page No.
Code	Title (abbreviated)		Officers	Men			
F	STEVEDORING						81
F1	Construction Battalion (special)	Y & D	34	1,064	1,500	3,500	81
G	MEDICAL						83
G2	Dispensary—600 Bed	M & S	26	310	1,800	3,500	83
G4	Dispensary—200 Bed	M & S	13	172	825	1,500	83
G5	Dispensary—100 Bed	M & S	6	100	500	900	84
G6	Dispensary—100 Bed—Mobile	M & S	6	79	350	650	84
G7	Dispensary—50 Bed	M & S	4	64	275	500	84
G8	Dispensary—25 Bed	M & S	1	12	150	300	85
G9	Dispensary—10 Bed	M & S	1	4	40	100	85
G10	Dispensary—10 Bed—Mobile	M & S	1	3	11	36	85
G11A	First Aid Sub-Dispensary	M & S	1	2	12	20	85
G13	Sub-Dispensary Dental	M & S	1	1	1	3	86
G14	Sub-Dispensary Dental—Mobile	M & S	1	1	0	0	86
G15	Prosthetic Laboratory	M & S	1	3	15	30	86
G16	Prosthetic Laboratory—Mobile	M & S	1	3	15	25	86
G17	Malaria Control	M & S	1	5	15	40	87
G18	Epidemiology	M & S	2	4	20	70	87
G19	Malaria and Epidemic Control	M & S	4	12	35	120	87
G20	Optical Repair—Base Type	M & S	1	2	1	4	88
G21	Optical Repair—Mobile Type	M & S	1	2	1	3	88
G22	Rodent Control	M & S	1	1	1	1	88
G23	Sanitation	M & S	0	20	30	110	88A
H	AVIATION						89
H3	Aircraft Repair and Overhaul	Aer	23	744	4,300	6,700	90
H3A	Engine and Accessory Overhaul	Aer	18	495	3,300	5,300	91
H3B	Aircraft Repair	Aer	19	459	3,100	4,200	92
H8	Catapult and Arresting Gear	Aer	2	4	252	331	93
H9	Aircraft Combat Operations (basic)	Aer	1	10	850	4,300	93
H10	Additional Oper Equip—Landplanes	Aer	5	28	88	106	94
H11	Additional Oper Equip—Seaplanes	Aer	1	23	200	900	94
H12	Supplemental Aircraft Main Equip	Aer	0	0	215	291	95
H13	Aircraft Accessory Overhaul Equip	Aer	0	0	147	181	95
H13A	Aircraft and Engine Repair	Aer	9	202	221	1,140	96
H14A	Aviation Tank Farm (large)	Y & D	0	0	505	601	97
H14B	Aviation Tank Farm (medium)	Y & D	0	0	295	343	97
H14C	Aviation Tank Farm (small)	Y & D	0	0	103	153	97
H14D	Ready Aviation Gas Storage	Y & D	0	0	16	100	97
H15A	Airfield Construction Material	Y & D	0	0	5,568	3,360	98
H15B	Seaplane Ramp and Parking Area	Y & D	0	0	270	329	98
H16A	Aerological (large)	Aer	2	6	10	26	98
H16D	Aerological (arctic)	Aer	1	5	20	36	99
H17A	Photographic Laboratory (large)	Aer	1	6	14	59	101
H17B	Photographic Laboratory (medium)	Aer	0	4	3	32	101
H17F	Photographic Laboratory (Squadron)	Aer	0	0	165	275	102
H18A	Photo Interpretation (large)	Aer	24	7	28	93	102
H19A	Main Air Combat Info Center	Aer	15	17	15	43	104
H19B	Advanced Air Combat Info Center	Aer	6	6	9	31	104
H19C	Air Combat Information (large)	Aer	2	2	6	12	105

SUMMARY OF FUNCTIONAL COMPONENTS—Continued

Code	Components Title (abbreviated)	Dominant bu- reau	Personnel per component		Approximate weight, long tons	Approximate Cube measure- ment, tons	Page No.
			Officers	Men			
H21A	Printing Plant, Photo Reproduc. (large)	Aer	1	14	50	100	107
H21B	Printing Plant, Photo Reproduc. (small)	Aer	0	5	30	60	107
H22	Air Transport Oper. (landplane)	Aer	0	0	112	219	108
H23	Air Transport Oper. (seaplane)	Aer	0	0	500	1, 800	108
H25	High Intensity Airfield Lighting	Aer	0	3	25	54	108A
J	ORDNANCE						109
J1	Base Ordnance Shop	Ord	1	15	100	385	109
J2	Base Machine Gun Component	Ord	1	3	21	27	109
J3	Ammunition	Ord	1	2	?	?	110
J3D	Standard Magazine	Y&D	0	0	205	157	110
J3E	Chemical Maintenance	Ord	1	3	5	8	110
J4A	Bomb Disposal	Ord	1	1	12	57	111
J4B	Mine Disposal	Ord	1	1	8	30	111
J4C	Base Demolition	Ord	0	0	1	4	111
J5A	Torpedo Depot (large)	Ord	2	55	300	425	112
J5B	Torpedo Depot (medium)	Ord	2	43	250	350	112
J5C	Torpedo Depot (small)	Ord	1	10	150	510	112A
J6A	Field Torpedo Unit—Track Wh	Ord	1	10	101	597	113
J6B	Field Torpedo Unit—Pneu Wh	Ord	1	10	108	543	113
J6C	Field Torpedo Unit—Airborne	Ord	1	2	1	1	113
J6D	Field Torpedo Unit Augmentation Group	Ord	2	10	70	350	113A
J7B	Air Base Magazine Area Equip	Ord	0	0	225	275	114
J7C	Aircraft Re-Arming	Ord	1	20	85	470	114
J7D	Aviation Ordnance Maint-CV Group	Ord	0	0	7	17	115
J7E	Av Ord Maint-VPB Sqdn (seaplane)	Ord	0	0	2	4	115
J7F	Av Ord Maint-VB Sqdn (4 engine)	Ord	0	0	1	4	115
J7G	Av Ord Maint-VB Sqdn (2 engine)	Ord	0	0	2	4	115
J7H	Marine Aircraft Rearming-VF Sqdn	Ord	0	0	40	200	116
J7K	Marine Aircraft Rearming-VSB Sqdn	Ord	0	0	60	300	116
J7L	Marine Aircraft Rearming-VTB Sqdn	Ord	0	0	70	600	116
J7M	Marine Aircraft Rearming-VB Sqdn	Ord	0	0	70	450	117
J9	Close-in AA Defense	Ord	1	32	31	92	117
J10A	Ordnance Optical Shop	Ord	1	8	15	50	117A
J10B	Fire Control Shop	Ord	1	44	50	130	117A
J11A	Mine Assembly Depot	Ord	4	58	850	1, 050	118
J11B	Mine Detail (small)	Ord	1	0	0	0	118
J11C	Mine Detail (large)	Ord	2	8	35	159	119
J11D	Mine Assembly Depot (forward)	Ord	3	30	150	200	119
J11E	Depth Charge Testing Component	Ord	1	3	100	250	119
J12A	Net Component (large)	Ord	5	27	5, 000	15, 000	120
J12B	Net Component (medium)	Ord	3	27	1, 000	5, 000	120
J13A	Degaussing (large)	Ord	7	27	130	200	121
J13B	Degaussing (medium)	Ord	4	17	108	169	122
J13C	Degaussing—Minesweeper Base	Ord	1	2	26	40	122
J13D	Degaussing—Submarine Base	Ord	2	5	33	46	123
J13E	Degaussing—Mobile Unit	Ord	3	4	60	65	123
J14A	Machine Gun Maintenance	Ord	0	0	4	8	124
J14C	Aircraft Training	Ord	0	0	3	20	124
J14D	Bombsight Overhaul Shop	Ord	1	2	17	61	124
J14E	Squadron Bombsight Shop	Ord	1	1	1	1	124
J15A	Personal Arms and Equip—Enlisted	Ord	0	0	2	11	125
J15B	Personal Arms and Equip—Officers	Ord	0	0	0	0	125

SUMMARY OF FUNCTIONAL COMPONENTS—Continued

Components		Dominant bureau	Personnel per component		Approximate weight, long tons	Approximate Cube measurement, tons	Page No.
Code	Title (abbreviated)		Officers	Men			

N	CAMPS						127
N1A	Camp (250 Men)—Tents	Y & D	0	25	215	470	127
N1B	Camp (250 Men)—Tropical Huts	Y & D	0	25	340	642	128
N1C	Camp (250 Men)—Northern Huts	Y & D	0	25	349	642	128
N2A	Camp (100 Men)—Tents	Y & D	0	14	139	272	129
N2B	Camp (100 Men)—Tropical Huts	Y & D	0	14	172	319	129
N2C	Camp (100 Men)—Northern Huts	Y & D	0	14	209	380	129
N3A	Camp (50 Men)—Tents	Y & D	0	8	97	192	130
N3B	Camp (50 Men)—Tropical Huts	Y & D	0	8	114	213	130
N3C	Camp (50 Men)—Northern Huts	Y & D	0	8	113	238	130
N4A	Camp (25 Men)—Tents	Y & D	0	3	71	143	131
N4B	Camp (25 Men)—Tropical Huts	Y & D	0	3	97	185	131
N4C	Camp (25 Men)—Northern Huts	Y & D	0	3	95	202	131
N5B	Camp Bldgs (250 Men)—Tropical	Y & D	0	0	150	223	132
N5C	Camp Bldgs (250 Men)—Northern	Y & D	0	0	209	350	132
N6A	Bakery (3000 Men)	Y & D	0	18	35	49	133
N6B	Bakery (2000 Men)	Y & D	0	12	35	49	133
N6C	Bakery (1000 Men)	Y & D	0	6	28	40	133
N7A	Camp (1000 Men)—Tents	Y & D	0	81	800	1,700	134
N7B	Camp (1000 Men)—Tropical Huts	Y & D	0	81	1,200	2,000	134
N7C	Camp (1000 Men)—Northern Huts	Y & D	0	81	1,300	2,200	135
N8B	Camp Bldgs (1000 Men)—Tropical	Y & D	0	0	525	625	135
N8C	Camp Bldgs (1000 Men)—Northern	Y & D	0	0	575	825	135
N9	Base Recreation	Pers	0	0	?	?	136
N10	Base Educational Services (large)	Pers	2	0	25	40	137
N11	Base Educational Services (small)	Pers	1	0	15	25	137
N12	Laundry (1000 Men)	Y & D	0	5	20	30	138

P	CONSTRUCTION AND PUBLIC WORKS						139
P1	Construction Battalion	Y & D	33	1,082	1,935	5,198	140
P2	Base Construction Equip (large)	Y & D	0	0	2,185	3,248	141
P3	Base Construction Equip (medium)	Y & D	0	0	774	1,481	141
P4	Base Construction Equip (small)	Y & D	0	0	483	2,141	142
P5	Base Maintenance	Y & D	7	270	450	1,400	142
P6A	Decontam and Camouflage (large)	Y & D	0	0	300	800	143
P6B	Decontam and Camouflage (medium)	Y & D	0	0	150	400	143
P6C	Decontam and Camouflage (small)	Y & D	0	0	75	200	143
P6D	Decontam and Camouflage (PT Base)	Y & D	0	0	40	100	143
P7	Water Supply System (Purification)	Y & D	0	0	147	227	144
P8	Port Development Equipment	Y & D	0	0	547	2,122	144
P9	Wooden Pier	Y & D	0	0	833	1,074	145
P10	Pontoon Assembly Plant	Y & D	17	418	1,800	3,300	145
P11	Automotive Equipment Overhaul	Y & D	20	630	1,250	2,100	145
P12A	Fire Protection—Basic	Y & D	0	1	10	30	146
P12B	Fire Protection—Airfield	Aer	0	1	4	10	146
P12C	Fire Protection—Waterfront	Ships	0	1	3	10	147
P12D	Fire Protection—Seadrome	Ships	0	1	3	10	147
P12E	Fire Protection—Piping	Y & D	0	0	4	13	147
P13	Spare Parts	Y & D	0	0	See	Page	148
P14	Lumber Manufacturing	Y & D	0	0	340	627	148

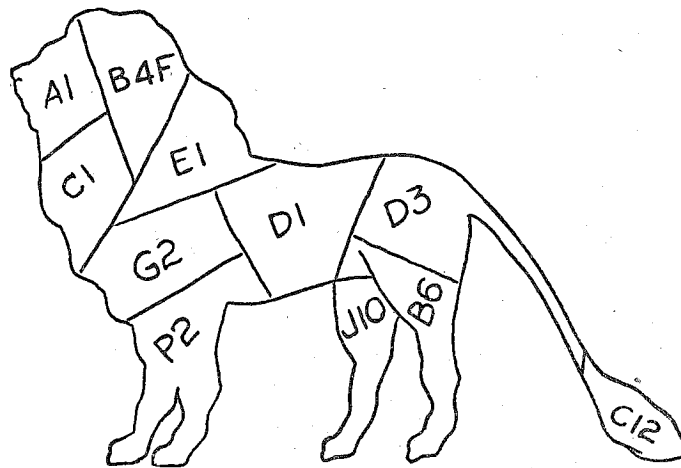
SUMMARY OF FUNCTIONAL COMPONENTS—Continued

Components		Dominant bureau	Personnel per component		Approximate weight, long tons	Approximate Cube measurement, tons	Page No.
Code	Title (abbreviated)		Officers	Men			
Q	MISCELLANEOUS						149
Q1	Rapid Landing Gear	Y & D	0	0	960	2, 125	149
Q2	Pre-Embarkation (100 Men)	S & A	0	0	1	3	149
S	SPECIAL GROUPS	Varies					150

ADVANCED BASE UNITS

The following pages contain descriptions of the more common Advanced Base Units and lists of the Functional Components which comprise the standard form of each Unit.

LION



A LION is a large Advanced Base Unit consisting of all the personnel and material necessary for the establishment of a major all-purpose naval base. It is made up of a large number of Functional Components which enable the base to perform voyage repairs and repair minor battle damage to a major portion of a fleet, provide logistic support for operating forces in the area and operate a large and active port. For its own use it contains adequate harbor defense, communication, supply, disbursing, medical, ordnance and base maintenance facilities.

The installation of a LION Unit requires the services of Construction Battalions. One CB (Special) should be assigned to assist in the unloading operation and 3½ 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.

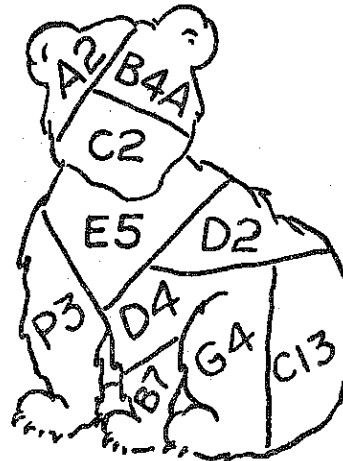
A standard LION for use in planning is outlined below.

STANDARD LION

Components		Number required	Total officers	Total men	Approximate long tons	Approximate measurement tons	Page No.
Code	Title						
A1	Administration (Large)	1	10	97	140	450	29
A5	Intelligence Office (Large)	1	3	6	8	19	30
A7	Shore Patrol Company HQ	2	6	40	60	140	31
B1	Harbor Entrance Control Post	1	4	23	40	100	33
B2B	Harbor Patrol	2	2	56	300	420	34
B3	Underwater Detection	1	3	36	225	500	35
B4F	Port Director (Large)	1	31	83	3,200	10,500	38
B5A	Boat Pool	2	2	10	430	900	39
B5B	Barge Pool	2	0	56	1,800	6,200	39
B7	Surface Detection Radar	3	3	69	210	630	40
B8	Minesweeping	1	1	1	6	15	40
B9	Fleet Moorings	1	0	0	1,400	1,100	41
B10	Navigation Aids	1	0	0	90	300	42
C1	Radio Sta.—Oper. Base (Large)	1	7	42	40	122	43
C7	Visual Sta.—Oper. Base (Large)	1	0	12	12	29	49
C10	Fleet Post Office (Large)	1	3	22	25	60	50
C12	Internal Communications (Large)	1	0	40	100	200	51
C17	Teletypewriter System	4	0	88	20	60	53
D1	Storage and Supply (Large)	1	49	600	12,000	19,000	55
D3	Tank Farm (Large)	1	1	15	1,967	3,167	57
D9	Petroleum Products	1	0	0	12,000	15,000	59

Amendment No. 3

CUB



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.

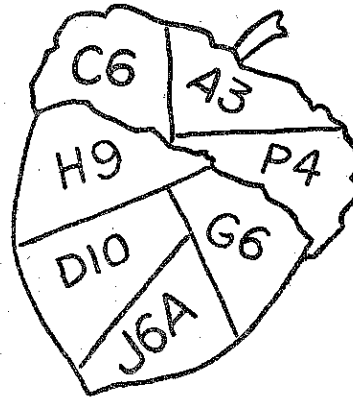
A standard CUB for use in planning is outlined below.

STANDARD CUB

Components			Total officers	Total men	Approximate long tons	Approximate measurement tons	Page No.
Code	Title	Number required					
A2	Administration (Medium)	1	7	57	95	260	29
A6	Intelligence Office (Medium)	1	2	3	10	25	31
A7	Shore Patrol Company HQ	1	3	20	18	53	31
B1	Harbor Entrance Control Post	1	4	23	40	100	33
B2B	Harbor Patrol	1	1	28	150	210	34
B3	Underwater Detection	1	3	36	225	500	35
B4A	Port Director (Medium)	1	10	14	2,400	9,600	36
B5A	Boat Pool	1	1	5	215	450	39
B5B	Barge Pool	1	0	28	900	3,100	39
B7	Surface Detection Radar	1	1	23	70	210	40
B8	Minesweeping	1	1	1	6	15	40
B9	Fleet Moorings	1	0	0	240	200	41
B10	Navigation Aids	1	0	0	30	80	42
C2	Radio Sta.—Oper. Base (Medium)	1	3	22	32	115	44
C7	Visual Sta.—Oper. Base (Large)	1	0	12	12	29	49
C10	Fleet Post Office (Large)	1	3	22	25	60	50
C13	Internal Communications (Medium)	1	0	21	35	80	51
C17	Teletypewriter System	2	0	44	10	30	53
D2	Storage and Supply Facilities (Medium)	1	30	350	5,000	10,000	56

Amendment No. 3

ACORN



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.

STANDARD LANDPLANE-ACORN

Components		Number required	Total officers	Total men	Approximate long tons	Approximate measurement tons	Page No.
Code	Title						
A3	Administration (Small)	1	5	40	55	200	30
B5A	Boat Pool	1	1	5	215	450	39
C6	Radio Sta.—Airfield	1	5	30	43	136	48
C8	Visual Sta. (Small)	1	0	8	9	23	49
C14	Internal Communications (Small)	1	0	11	20	45	51
C17	Teletypewriter System	1	0	22	5	15	53
D9	Petroleum Products	1	0	0	1,300	2,000	59
D10	Storage and Supply (Small)	1	3	26	550	880	60
D15	Cobbler and Tailor (Small)	1	0	5	25	50	61
D22	Disbursing Office (Small)	1	1	5	6	9	63
E9	Repair—Amphib. Craft	1	0	18	60	200	72
G6	Dispensary-100 Bed-Mobile	1	6	79	350	650	84
G14	Sub-Dispensary Dental Mobile	1	1	1	0	0	86
H9	Aircraft Operations (Basic)	1	1	10	850	4,300	93
H10	Add'l. Equipment—Landplane	1	5	28	88	106	94
H12	Aircraft Maintenance	1	0	0	215	291	95
H14C	Aviation Tank Farm (Small)	1	0	0	103	153	97
H14D	Ready Avgas Storage	1	0	0	16	100	97
H15A	Airfield Construction Material	1	0	0	5,568	3,360	98
H16A	Acrological (Large)	1	2	6	10	26	98
H17B	Photo. Laboratory (Medium)	1	0	4	3	32	101
J2	Base Machine Gun Component	1	1	3	21	27	109
J3D	Standard Magazine	1	0	0	205	157	110
J6A	Field Torpedo Unit—Track Wheel	1	1	10	101	597	113
J7C	Aircraft Re-Arming	1	1	20	85	470	114
J14A	Machine Gun Maintenance	1	0	0	4	8	124
J14C	Aircraft Training	1	0	0	3	20	124
J14E	Squadron Bombsight Shop	1	1	1	1	1	124
J15A	Personal Equipment for Enlisted	5	0	0	10	55	125
J15B	Personal Equipment for Officers	34	0	0	0	1	125
N1A	Camp (250 Men)—Tents	3	0	75	645	1,410	127
N5B	Camp Bldgs (250 Men)—Tropical	3	0	0	450	669	132
N6B	Bakery (2,000 Men)	1	0	12	35	49	133
N7A	Camp (1,000 Men)—Tents	1	0	81	800	1,700	134
N8B	Camp Bldgs. (1,000 Men)—Tropical	1	0	0	525	625	135
N9	Base Recreation	1	0	0	3	6	136
P5	Base Maintenance	1	7	270	450	1,400	142
P6C	Decontam. and Camouflage (Small)	1	0	0	75	200	143
P12A	Fire Protection—Basic	4	1	4	40	120	146
P12B	Fire Protection—Airfield	4	0	4	16	40	146
P13	Spare Parts	1	0	0	85	100	148
Q1	Rapid Landing Gear	1	0	0	960	2,125	149
Q2	Pre-Embarkation (100 Men)	8	0	0	8	24	149
Landplane-ACORN total			42	778	14,013	22,830	

STANDARD SEAPLANE-ACORN

Components			Total officers	Total men	Approximate long tons	Approximate measurement, tons	Page No.
Code	Title	Number required					
A3	Administration (Small)	1	5	40	55	200	30
B5A	Boat Pool	1	1	5	215	450	39
C6	Radio Sta.—Airfield	1	5	30	43	136	48
C8	Visual Sta. (Small)	1	0	8	9	23	49
C14	Internal Communications (Small)	1	0	11	20	45	51
C17	Teletypewriter System	1	0	22	5	15	53
D9	Petroleum Products	1	0	0	1,300	2,000	59
D10	Storage and Supply (Small)	1	3	26	550	880	60
D15	Cobbler and Tailor Shop (Small)	1	0	5	25	50	61
D22	Disbursing Office (Small)	1	1	5	6	9	63
E9	Repair-Amphib. Craft	1	0	18	60	200	72
G6	Dispensary-100 Bed-Mobile	1	6	79	350	650	84
G14	Sub-Dispensary Dental—Mobile	1	1	1	0	0	86
H9	Aircraft Operations (Basic)	1	1	10	850	4,300	93
H11	Add'l Equipment—Seaplane	1	1	23	200	900	94
H12	Aircraft Maintenance	1	0	0	215	291	95
H14C	Aviation Tank Farm (Small)	1	0	0	103	153	97
H15B	Seaplane Ramp	1	0	0	270	329	98
H16A	Aerological (Large)	1	2	6	10	26	98
H17B	Photo. Laboratory (Medium)	1	0	4	3	32	101
J2	Base Machine Gun Component	1	1	3	21	27	109
J3D	Standard Magazines	1	0	0	205	157	110
J6A	Field Torpedo Unit—Track Wheel	1	1	10	101	597	113
J7C	Aircraft Re-Arming	1	1	20	85	470	114
J14A	Machine Gun Maintenance	1	0	0	4	8	124
J14C	Aircraft Training	1	0	0	3	20	124
J14E	Squadron Bombsight Shop	1	1	1	1	1	124
J15A	Personal Equipment for Enlisted	5	0	0	10	55	125
J15B	Personal Equipment for Officers	30	0	0	0	1	125
N1A	Camp (250 Men)—Tents	3	0	75	645	1,410	127
N5B	Camp Bldgs (250 Men)—Tropical	3	0	0	450	669	132
N6B	Bakery (2,000 Men)	1	0	12	35	49	133
N7A	Camp (1,000 Men)—Tents	1	0	81	800	1,700	134
N8B	Camp Bldgs. (1,000 Men)—Tropical	1	0	0	525	625	135
N9	Base Recreation	1	0	0	3	6	136
P5	Base Maintenance	1	7	270	450	1,400	142
P6C	Decontam. and Camouflage (Small)	1	0	0	75	200	143
P12A	Fire Protection-Basic	4	1	4	40	120	146
P12B	Fire Protection—Airfield	2	0	2	8	20	146
P12D	Fire Protection—Seadrome	2	0	2	6	20	146
P13	Spare Parts	1	0	0	85	100	148
Q1	Rapid Landing Gear	1	0	0	960	2,125	149
Q2	Pre-Embarkation (100 Men)	8	0	0	8	24	149
Seaplane-ACORN total			38	773	8,809	20,493	

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.

Components		Number required	Total officers	Total men	Approximate long tons	Approximate measurement tons	Page No.
Code	Title						
A3	Administration (Small)	1	4	39	55	200	30
D10	Storage and Supply (Small)	1	3	26	550	880	60
D22	Disbursing Office (Small)	1	1	5	6	9	63
G7	Dispensary—50 Bed	1	4	64	275	500	84
H3	Aircraft Repair and Overhaul	1	23	744	4,300	6,700	90
H14D	Ready Avgas Storage	1	0	0	16	100	97
N6C	Bakery (1,000 Men)	1	0	6	28	40	133
N7A	Camp (1,000 Men)—Tents	1	0	81	800	1,700	134
N8B	Camp Buildings (1,000 Men)—Tropical	1	0	0	525	625	135
N9	Base Recreation	1	0	0	3	6	136
P5	Base Maintenance	½	4	135	225	700	142
P6B	Decontam. and Camouflage (Medium)	1	0	0	150	400	143
P12A	Fire Protection-Basic	2	0	2	20	60	146
Q2	Pre-Embarkation (100 Men)	11	0	0	11	33	149
Unit total			39	1,102	6,964	11,953	

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.

Components		Number required	Total officers	Total men	Approximate long tons	Approximate measurement tons	Page No.
Code	Title						
A3	Administration (Small)	1	4	39	55	200	30
D10	Storage and Supply (Small)	1	3	26	550	880	60
D22	Disbursing Office (Small)	1	1	5	6	9	63
G7	Dispensary—50 Bed	1	4	64	275	500	84
H3B	Aircraft Repair	1	19	459	3,100	4,200	92
H14D	Ready Avgas Storage	1	0	0	16	100	97
N1A	Camp (250 Men)—Tents	3	0	75	645	1,410	127
N5B	Camp Bldgs (250 Men)—Tropical	3	0	0	450	669	132
N6C	Bakery (1,000 Men)	1	0	6	28	40	133
N9	Base Recreation	1	0	0	3	6	136
P5	Base Maintenance	½	4	135	225	700	142
P6B	Decontam. & Camouflage (Medium)	1	0	0	150	400	143
P12A	Fire Protection-Basic	2	0	2	20	60	146
Q2	Pre-Embarkation (100 Men)	8	0	0	8	24	149
Unit total			35	811	5,531	9,198	

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.

Components			Total officers	Total men	Approximate long tons	Approximate measurement, tons	Page No.
Code	Title	Number required					
A3	Administration (Small)	1	4	39	55	200	30
D10	Storage and Supply (Small)	1	3	26	550	880	60
D22	Disbursing Office (Small)	1	1	5	6	9	63
G7	Dispensary—50 Bed	1	4	64	275	500	84
H3A	Engine Overhaul	1	18	495	3,300	5,300	91
H14D	Ready Avgas Storage	1	0	0	16	100	97
N1A	Camp (250 Men)—Tents	3	0	75	645	1,410	127
N5B	Camp Bldgs. (250 Men)—Tropical	3	0	0	450	669	132
N6C	Bakery (1,000 Men)	1	0	6	28	40	133
N9	Base Recreation	1	0	0	3	6	136
P5	Base Maintenance	1/2	4	135	225	700	142
P6B	Decontam. and Camouflage (Medium)	1	0	0	150	400	143
P12A	Fire Protection-Basic	2	0	2	20	60	146
Q2	Pre-Embarkation (100 Men)	9	0	0	9	27	149
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.

Components			Total officers	Total men	Approximate long tons	Approximate measurement tons	Page No.
Code	Title	Number required					
A4	Administration (PT Base)	1	2	8	20	125	30
D12	Supply (Small)	1	1	5	60	100	60
D22	Disbursing Office (Small)	1	1	5	6	9	63
G8	Dispensary—25 bed	1	1	12	150	300	85
H13A	Aircraft and Engine Repair	1	9	202	221	1,140	96
N1A	Camp (250 Men)—Tents	1	0	25	215	470	127
N5B	Camp Bldgs (250 Men)—Tropical	1	0	0	150	223	132
N9	Base Recreation	1	0	0	2	4	136
P6C	Decontam. & Camouflage (Small)	1	0	0	75	200	143
P12A	Fire Protection-Basic	1	0	1	10	30	146
Q2	Pre-Embarkation (100 Men)	3	0	0	3	9	149
Unit total			14	258	912	2,610	

NATS LANDPLANE UNIT

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

Components			Total officers	Total men	Approximate long tons	Approximate measurement tons	Page No.
Code	Title	Number required					
C15*	Radio Sta-Air Base Utility (Large)	1	2	10	44	123	52
H22	Air Transport Operations (Landplane)	1	#	#	112	219	108
N2A	Camp (100 men)—Tents	1	0	14	139	272	129
N4A	Camp (25 men)—Tents	1	0	3	71	143	131
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 seadrome for the initial operation of transport seaplanes in an advanced area.

Components			Total officers	Total men	Approximate long tons	Approximate measurement tons	Page No.
Code	Title	Number required					
C15*	Radio Sta-Air Base Utility (Large)	1	2	10	44	123	52
H23	Air Transport Operation (Seaplane)	1	#	#	500	1,500	108
N2A	Camp (100 men)—Tents	1	0	14	139	272	129
N4A	Camp (25 men)—Tents	1	0	3	71	143	131
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.

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.

Components			Total officers	Total men	Approximate long tons	Approximate measurement, tons	Page No.
Code	Title	Number required					
MAINTENANCE GROUP:							
A3	Administrative (Small)	1	4	39	55	200	30
E10	S. L. C. U. Maintenance Component	1	5	199	1,000	2,500	73A
G10	Dispensary—10 Bed—Mobile	1	1	3	11	36	85
G14	Sub-Dispensary Dental—Mobile	1	1	1	0	0	86
J2	Base Machine Gun Component	1	1	3	21	27	109
J15A	Personal Equipment for Enlisted	1½	0	0	3	17	125
J15B	Personal Equipment for Officers	10	0	0	0	0	125
N1A	Camp (250 Men)—Tents	2	0	50	430	940	127
N9	Base Recreation	1	0	0	1	2	136
Maintenance Group Total			12	295	1,521	3,722	
OPERATING GROUP:							
(Assigned at direction of CNO. Does not contain any components)							
1. Personnel			21	263			
2. Craft:							
48—36' boats							
12—LCM (3)'s							
—							
60—Total					2,051	*0	
Unit total			33	558	3,572	3,722	

*Deck cargo only—85,000 square feet.

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

Components			Total officers	Total men	Approximate long tons	Approximate measurement tons	Page No.
Code	Title	Number required					
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
D3	Tank Farm (large)	1	1	15	1,967	3,167	57
D9	Petroleum Products	1	0	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	0	3	6	136
P3	Base Construction Equipment (medium)	1	0	0	774	1,481	141
P5	Base Maintenance	1	7	270	450	1,400	142
P6A	Decontam. and Camouflage (large)	1	0	0	300	800	143
P9	Wooden Piers	4	0	0	3,332	4,296	145
P12A	Fire Protection—Basic	4	1	4	40	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		65	1,189	29,213	46,534	
F1	Construction Battalion (Special)	1	34	1,064	1,500	3,500	81
P1	Construction Battalion (Regular)	2	66	2,164	3,870	10,396	140
	Unit and CB total		165	4,417	34,583	60,430	

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

Components			Total officers	Total men	Approximate long tons	Approximate measurement tons	Page No.
Code	Title	Number required					
A4-----	Administration-----	1	2	8	20	125	30
B1-----	Harbor Entrance Control Post-----	1	4	23	40	100	33
B2A-----	Harbor Defense A/S Patrol-----	1	3	39	210	0	34
B2B-----	Harbor Patrol-----	1	1	28	150	210	34
B3-----	Underwater Detection-----	1	3	36	225	500	35
B7-----	Surface Detection Radar-----	1	1	23	70	210	40
J12B-----	Net Component-----	1	3	27	1000	5000	120
N1A-----	Camp (250 Men)-----	1	0	25	215	470	127
	Unit total-----		17	209	1930	6615	

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

(NOTE.—2 of enlisted complement to be mail specialists. For ACORNS, C. O. to be a Naval Aviator or an ex-Naval Aviator and personnel will be 5 officers and 40 enlisted—Total 45)

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

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.):

	<i>Officer</i>	<i>Enlisted</i>	<i>Total</i>
For Company HQ-----	3	11	14
Three PO's for 3 platoons-----	-	9	9
For Total Component-----	3	20	23

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)—Obsolete. 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/BAM 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

Tranceivers

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):

<i>Class</i>	<i>Long tons</i>	<i>Meas. tons</i>
BB	103	77
AU	93	73
CA	76	67
DD	68	52
E	35	38
F	27	29
MTB Tender	11	13
MTB	7	4

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):

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

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.

C1—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 KW; high frequency, range 4,000-18,100 kc; A1 emission; CV oscillator. (TBA or equivalent).

Transmitter (1) for ships

Approx. range 1,000 miles; power 400 watts; high-frequency, range 2,000-18,100 kc; A1 emission; CV oscillator. (TCK, or equivalent).

Transmitter (1) for ships

Approx. range 400 miles; power 1 KW; intermediate frequency, range 300-555 kc; A1, A2 emission; CV oscillator. (TAB, TBU or equivalent).

Receivers (2) for FOX and ship reception

Low frequency, range 15-600 kc. (RAZ or equivalent)

Receivers (4) for point-to-point and ships

Intermediate and high frequency. (RBG 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

Cube: 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 400 watts; high frequency, range 2000-18100 kc; A1 emission; CV oscillator. (TCK or equivalent)

Transmitter (1) for ships

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

Transmitter (1) for ships

Approx. range 400 miles; power 1 KW; intermediate frequency, range 300-555 kc; A1 and A2 emission; CV oscillator. (TBU or equivalent)

Receivers (2) for ship and FOX schedule reception

Low frequency, range 15-600 kc (RAZ or equivalent).

Receivers (2) for point-to-point and ships

Intermediate and high frequency. (RBG 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

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 125 watt; high frequency, range 2000-18100 kc, A1, A2, A3 emission; CV oscillator. (TCM 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 2716, 3000, 3045, 4385, 5335 kc. (TDF or equivalent)

Receivers (3) with loud speakers

High frequency, range to include 2000-18000 kc band. (RBG 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 C V 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 500 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. (TDH)

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

Power 200 watts; frequency range 2000-18100 kc; A1, A2, A3 emission; quick shift 10 channel; non-crystal controlled. (TDO; TCK w/remote control 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; material provided for remote on-off, keying, and modulation. (TCZ or TBW)

Transmitters (2) for VHF Communications

Range 115-156 mc; crystals for authorized frequencies; material provided for remote modulation and carrier control. (TDQ, BC-640A or TDT)

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

Power 100 watts; intermediate frequency range 350-1000 kc; high frequency range 3000-18100 kc; A1, A2, A3 emission; complete w/engine driven generator (MM inc LM or TCZ/RAO or RCH)

Transmitter/receivers (4), portable

Power 25 watts; high frequency, range 1500-12000 kc; A3 emission. (TCS, two 110vAC and two 12vDC)

Receiver (1)

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

Receivers (4) for long distance reception

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

Receivers (4*) for misc. reception

Intermediate and high frequency, range 80-500 kc and 1.9-30 mc; w/loud speakers. (RCH, RBL/RAO, or RBB/RBC)

Receivers (2) for VHF reception

Range 115-156 mc band; w/speakers and speaker amplifiers if necessary. (RCK or BC-639)

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

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

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 (TDO; TCK 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 TBW)

Transmitter (2) for VHF communications

Range 115-156 mc; crystals for authorized frequencies; material provided for remote modulation and carrier control. (TDQ or BC-640A)

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

Power 100 watts; intermediate frequency range 350-1000 kc; high frequency range 3000-18100 kc; A1, A2, A3 emission; complete w/engine driven generator. (MM inc LM or TCZ/RAO or RCH)

Transmitter/receivers (4), portable

Power 25 watts; high-frequency range 1500-12000 kc; A3 emission. (TCS, two 110 v. AC and two 12 v. DC)

Receiver (1)

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

Receivers (3) for long distance reception

MF and HF; w/loud speakers. (RBS, RAO-5, RBG or RBB/RBC)

Receivers (3) for misc. reception

Intermediate and high frequency range 80-500 kc and 1.9-30 mc; w/loud speakers. (RCH, RBL/RAO-5, or RBB/RBC)

Receivers (2) for VHF reception

Range 115-156 mc band; w/speakers and speaker amplifiers if necessary. (RCK or BC-639)

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

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 2000-18100 kc; and one with power 100 watts; frequency range 300-600 kc, 2000-18100 kc. (2 TCM & 1 TCZ)

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 350-1000 kc; high frequency range 3000-18100 kc; A1, A2, A3 emission; complete with engine driven generator. (M.M inc LM or TCZ/RAO or RCH)

Transmitter/receivers (2) for vehicular stations

Power 25 watts; mounted on ¼ ton jeep (MZ)

Receiver (1)

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

Receivers (4) for long distance reception

MHF and HF; w/loud speakers. (RBS, RBB/RBC, RAO-5 or RBG)

Receivers (2) for aircraft communication

(Two (2) RCK provided with speaker and speaker amplifier if necessary, or equivalent)

Homing Beacon (1)

(YG, w/one (1) ZB/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

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 2000-3000 kc; A3 emission; crystal controlled, quick shift; crystals provided for 2240, 2670, 2716, and 3000 kc. (TCR, TDF or equivalent)

Transmitter/receivers (2) for use in small boats not otherwise equipped, portable

Approx. range 10 miles; high frequency range 2000-3000 kc; A3 emission; crystal controlled, quick shift; crystals provided for 2670, 2716 and 3000 kc. (TCS or equivalent)

Receivers (3) for working picket boats

High frequency range to include 2000-3000 kc band; w/loud 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, hangers, 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 2½ KW; frequency range 2000-18100 kc; A1, A2, A3 emission; quick shift, 10 channel; non-crystal controlled. (TDH)

Transmitters (2) for point-to-point and aircraft

Power 300 watts; frequency range 2000-18100 kc; A1, A2, A3 emission; quick shift 10 channel; non-crystal controlled. (TDO)

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

Power 100 watts; intermediate frequency range 350-18100 kc; A1, A2, A3 emission; complete w/engine driven generator. (MM inc LM, or TCZ/RAO or ROH)

Transmitter/receivers (2), portable

Power 25 watts; high frequency range 1500-12000 kc; A3 emission. (TCS, 110v. AC)

Receiver (1) for low frequency reception

Range 15-600 kc. (RBL, RBA or RAK)

Receivers (5) for long distance reception

MHF and HF; w/loud speakers. (RBS, RAO-5, RBG or RBB/RBC)

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. 123 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 Maintenance), 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

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

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 cooerage 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 opportunely 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.

	<i>Lion</i>	<i>Cub</i>	<i>Acorn</i>	<i>PT</i>
Weight (approx. long tons)-----	12, 000	7, 000	1, 300	3, 000
Cube (approx. measurement tons)-----	15, 000	8, 750	2, 000	3, 750

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) ¼ ton reconnaissance truck

Two (2) 1½ ton cargo trucks

Six (6) 2½ ton cargo trucks together with miscellaneous construction tools, equipment and supplies

Weight: Approx. 290 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

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

Ordnance 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:

Functional Components	Complement					
	1-shift operation		2-shift operation		3-shift operation	
	Off.	Enl.	Off.	Enl.	Off.	Enl.
E-1-----	17	443	22	720	25	905
E-2-----	16	429	21	695	24	869
E-3-----	14	359	19	583	22	729
E-5-----	2	54	3	86	5	108
E-6-----	16	312	21	499	24	624
E-8-----	2	83	4	102	5	123
E-9-----	0	11	0	18	0	22
E-10-----	4	185	5	199	6	225
E-11-----	2	82	3	131	4	164
E-12-----	1	51	2	82	3	102
E-17-----			0	9	0	12

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 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.):

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 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—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 (J) Components to round out the repair facilities of the base. See Section J for a recommended list.

Personnel (Approx.):

19 officers and 583 enlisted—Total 602

(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

E4—SHIP REPAIR (SUBMARINES)—ObsoleteE5—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	36 LCT (5) or LCT (6)
12 LCI (L)	200 LCM's
12 LCS (L) (3)	100 LCV (P)'s
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

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	36 LCT (5) of LCT (6)
12 LCI (L)	200 LCM
12 LCS (L) (3)	100 LCV (P)
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—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, 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)

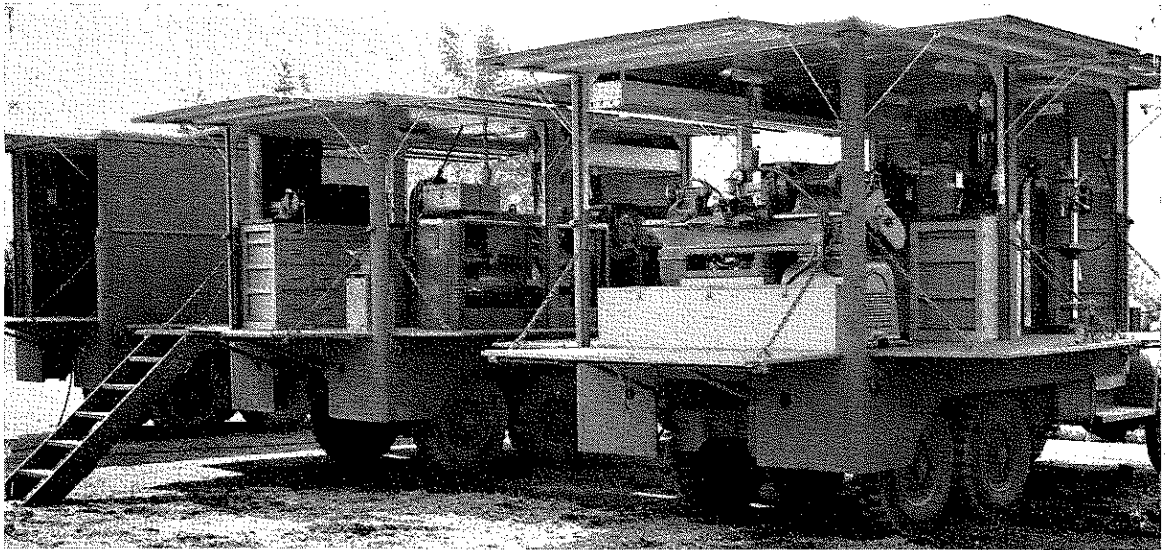
Power and light facilities

Housing—Hut

Weight: Approx. 60 long tons

Cube: Approx. 200 measurement tons

THE E9 COMPONENT

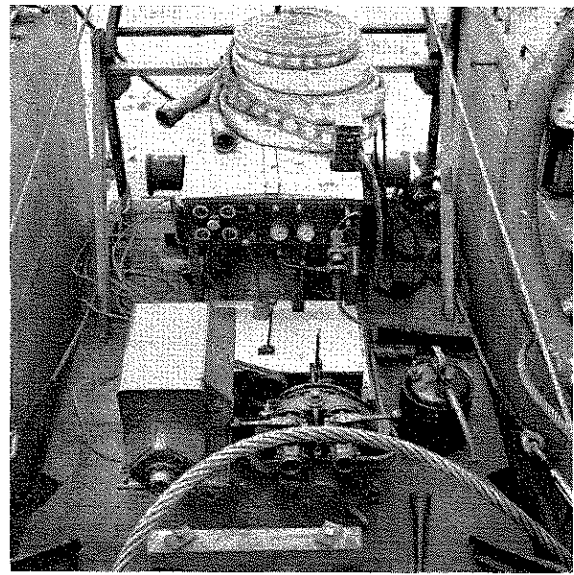


From left to right: Spare parts van; forge, welding, etc., shop and machine shop.

THE E9A COMPONENT

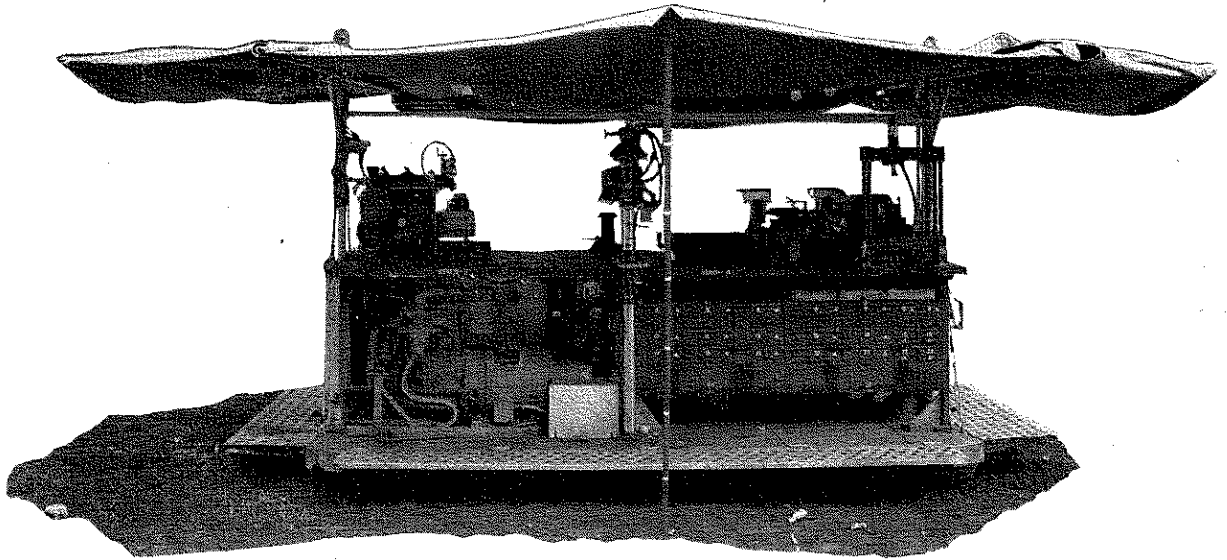


A tray being loaded onto an LVT.

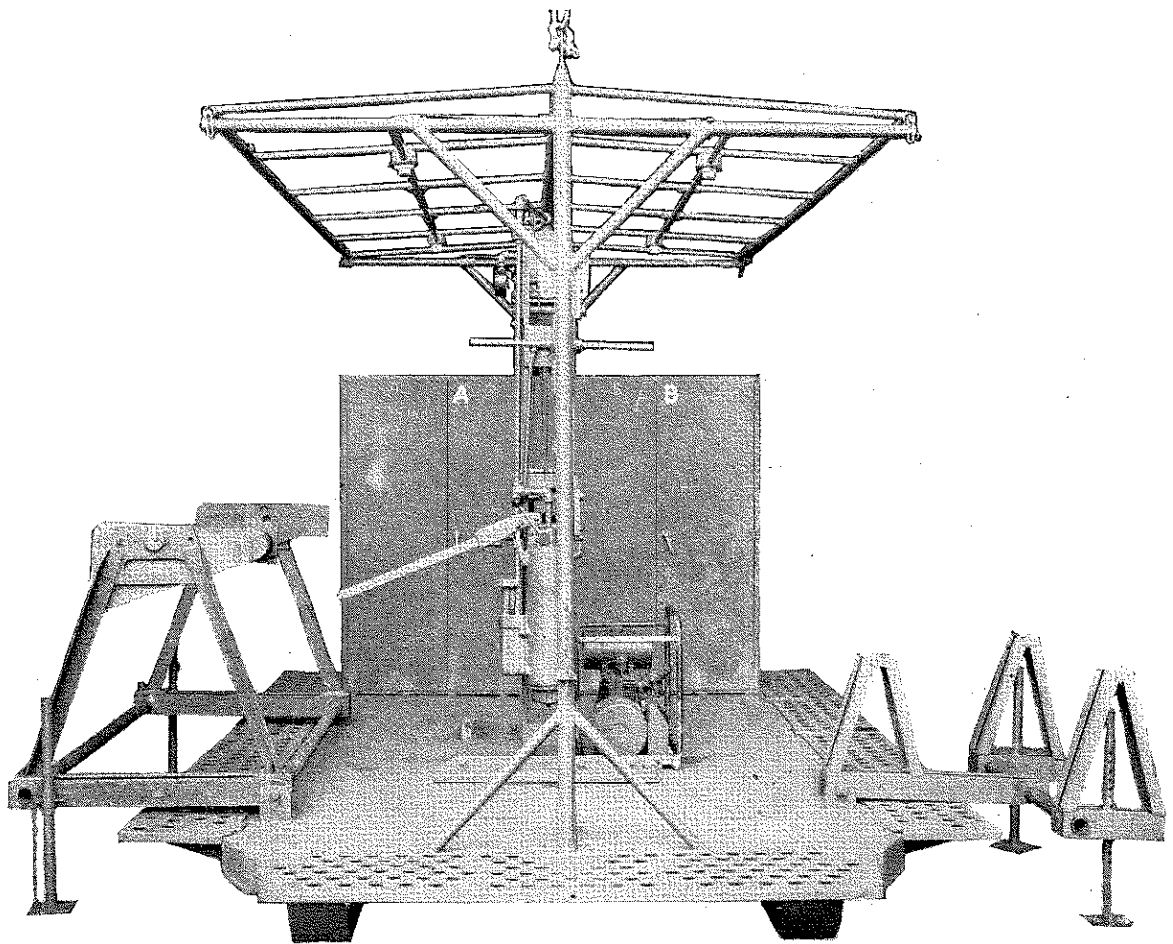


The retriever tray loaded on its LVT.

THE E9A COMPONENT



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	36 LCT (5) of LCT (6)
12 LCI (L)	200 LCM
12 LCS (L) (3)	100 LCV (P)
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—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 plank 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

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—Cranes, 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

	Group (a)	Group (b)
Weight (approx.) in long tons (for 13 ships):	83	234
Cube (approx.) in measurement tons (for 13 ships):	56	650

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

	Group (a)	Group (b)
Weight (approx.) in long tons (for 7 ships):	48	147
Cube (approx.) in measurement tons (for 7 ships):	38	364

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

	Group (a)	Group (b)
Weight (approx.) in long tons (for one ship):	41	24
Cube (approx.) in measurement tons (for one ship):	28	55

*NOTE.—Material under group (b) above will be supplied from stocks at Spare Parts Distribution Center designated by BuShips. The Area Commander will direct shipment thereof, and will arrange for the required transportation to destination. This equipment will not be shipped from the U. S. with these components.

E16—OXYGEN GENERATING PLANT

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 officers 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

20 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, 83GPH, 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):

Unitized Shop Trays (24) for

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

Permanent Fitting Repair

Electric and Radio Repair

Canvas Shop

Fuel Cell Repair

Lubrication Shop

Storage

Air Hose and Oxygen

Spare Parts and Hand Tool

Inflammable Supply

Industrial

Personnel Equipment

E23—HYDROGEN AND CO₂ GENERATING PLANT—ObsoleteE24—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 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

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 conveyer; 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

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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.):

26 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

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

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

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 mounted 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 Magnaflex
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 Hydraulic
Starter
Carburetor
Machine—Accessory
Propeller Shop

Repair and Manufacturing Shops:

Heat Treating and Welding
Metal
Machine
Ordnance, Cable and Tie Rod, and Land-
ing 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

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)

Engine and Accessory Overhaul Shops, consisting of:

Steam Cleaning and Storage	Auxiliary Power
Disassembly	Turbo Supercharger
Cleaning—Engine	Sparkplug
Inspection and Magnaflex	Magneto
Cylinder Overhaul	Ignition Harness
Subassembly	Pump and Hydraulic
Final Assembly	Starter
Engine Test Houses	Carburetor
Final Check and Preservation	Machine—Accessory
Sandblast	Propeller Shop
Metal Spray—Engine	Joiner
Sheet Metal—Engine	Oxygen
Paint—Engine	Carbon Dioxide
Machine—Engine	Battery
Minor Overhaul	Electrical
Plating	Shop Equipment and supplies—
Accessory Cleaning	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' (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

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

Cube: 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**

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-Receivers (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

LM 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), Rearming (4), Blind landing (2), and Refueling (8 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 clubs

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' and

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—AEROLOGICAL (MEDIUM)—ObsoleteH16C—AEROLOGICAL (SMALL)—ObsoleteH16D—AEROLOGICAL (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

Hydrograph

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

(NOTE.—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 (2¼" x 3¼", 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)—ObsoleteH17F—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. 93 measurement tons

H18B—PHOTOGRAPHIC INTERPRETATION (MEDIUM)—ObsoleteH18C—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)

Balopticans (2)

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

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:

<i>For each</i>	<i>Order the following J Components</i>
E1	J1, two J2, J5B, J10A, J10B, and J11E
E2	J1, two J2, J5B, J10A, J10B, and J11E
E3	J1, two J2, J5B, J10A, J10B, and J11E
E4	J1, J5A, J10A and J10B
E6	J2
E10	J2
E11	J2 and J5C

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 under water.

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 43 enlisted—Total 45 (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

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

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.

Personnel (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. 159 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 minesweeper 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

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

Materials (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. 40 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

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 Battalion 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), 1½ 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

Saw mills

Pile driving rigs

Well drilling rigs

Compressor

Ditchers

Welding machines

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

Rooters

Saw mills

Pile driving rigs

Well drilling rigs

Compressor

Ditchers

Welding machines

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

Rollers

Scrapers

Tractors

Well digging rig

Compressor

Rooters

Portable flood lighting

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 $\frac{1}{4}$ 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 man 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. 1,074 measurement tons

P10—PONTOON ASSEMBLY PLANT

Provides the facilities required to manufacture about 1800 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. 8 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, fitting, 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—SEADROME

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

	<i>Lion</i>	<i>Cub</i>	<i>Acorn</i>
Weight in long tons Approx.....	350	115	85
Cube in measurement tons Approx.....	400	130	100

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. Multiples 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.