

H I A P F H I J F R S U M V
583RD SIGNAL AIRCRAFT WARNING BATTALION
APO 6C3

CIRCULAR)
NUMBER 5)

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BATTALION STANDARD BEACH LANDING PROCEDURE

1. a. Organization of Companies by teams which were authorized by T/O 11-400 dated 17 June 1943 except that "U" teams consists of two sections from present authorized "U" team or one officer and 33 EM including one Medical Corps Enlisted Man. "M" teams consists of four Enlisted Men.

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| B | E | F | H | I | J | F | R | S | U | M | V |
| 1 | 1 | 6 | 1 | 7 | 1 | 2 | 1 | 4 | 4 | 6 | 1 |

One Ground Observer Officer and two Ground Observer Sgts are included in addition to the above teams.

b. Organization of Company for Operations:

1. The Company Headquarters Platoon will be composed of 1 B, 1P, 1R & 1S Teams. The Company Commander will organize his headquarters Platoon in this manner for landing only. After landing has been completed he will consolidate the Headquarters Platoon and the Plotting Platoon insofar as practical in order to attain maximum efficiency. A consolidated camp with a consolidated mess will be arranged. All practical administrative duties will be performed by the Headquarters Platoon leaving the Plotting Platoon free for operations. Labor details will be furnished from the Plotting Platoon as required but will be held to an absolute minimum.

2. The Plotting Platoon will be composed of 1E, 6F, 1H, 7I, 1J, 1P, 1S, 1V, teams. This is the organization for the original landing and may be altered by the Company Commander after the Headquarters Platoon arrives.

3. The four Radar Stations will each consist of one radar officer and 32 enlisted Signal Corps men and one enlisted Medical Corps man.

4. The six "M" and one "S" teams together with one ground observer officer and two Sgts will be organized into a Ground Observer Platoon.

5. An Assault Echelon will be organized using detached personnel from the Units listed above. It will consist of one "F" team, two "I" teams and one communications officer detached from the Plotting Platoon and organized with the Ground Observer Platoon. In addition the Battalion Commander will arrange for the necessary Siting Officers and Air Corps Controllers. The detached Plotting Platoon Personnel will be absorbed by the Fighter Sub-sector after its arrival.

2. Order of Landing - It will be normal procedure for the Assault Echelon to land on "D" Day, the day of initial landing, followed by the Plotting Platoon less detachments and two Radar Platoons on D + 1 Day. The Company Commander and a staff of assistants from the Headquarters Platoon will land with the Plotting Platoon and direct the installation of the Fighter Sub-sector and Radar Stations. The Siting Officer who landed on "D" Day will advise the Company Commander upon his arrival of all possible sites for the Fighter Sub-sector and Radar Stations. The remaining two Radar Platoons will have low priority for landing and will arrive as soon as shipping space is available.

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3. Staging Procedure Prior to Beach Landing.

a. When the Company Commander is informed that it has been committed for a specific operation, the Company Commander will immediately requisition all equipment and technical Supplies which will be required and submit his plan with logistics for the installation. All unserviceable motor vehicles will be repaired, salvaged, or exchanged for new vehicles. All other types of equipment will be placed in the best operating condition possible. Any type unserviceable signal equipment will be repaired, salvaged or exchanged at the most convenient Signal Air Depot Co. Any difficulties encountered will be referred to the Battalion S-4 Officer for his assistance.

b. Each Unit to take part in the landing will be organized and deployed at reduced operating distances within the staging area. Each unit will install all of its equipment as if actually going into operation. All platoons will mess separately. Every type of equipment will be thoroughly dried out and tested. When the Unit Commander is satisfied his equipment is in the best possible operating condition he will dismantel the equipment and pack it in suitable packing cases (waterproof covering for Radio & Radar Equipment if possible) for beach landing. The equipment will be stacked in the Unit Dump in truck load stacks in the proper order of loading. All packing cases and separate pieces of equipment will be marked with the platoon number and the Company Shipment Number. When the order is given to combat load the Units, trucks will be assigned, and backed up to the prearranged truck load stacks and loaded in the order stacked. The trucks will be marked with the Platoon Number and Company Shipment Number. The necessary trucks will be furnished by the Company Motor Pool or borrowed from some other organization. The Battalion S-4 Officer will make the arrangements for an allotment of special trucks.

c. If time is available, one or more practice maneuvers will be conducted simulating an actual landing insofar as practical. At the conclusion the equipment will be prepared as described in the preceeding paragraph.

4. Coordinating Aircraft Warning Troops with the Task Force Commander.

a. A Battalion Liaison Officer will be assigned to each Task Force to coordinate the activities of this Battalions' Aircraft Warning Troops with the other units in the Task Force. In event V Fighter Command assigns a Liaison Officer to the Task Force, the Battalion Liaison Officer will be placed on his staff and perform the same duties as described above.

5. Equipment

a. In general the units landing on D and D + 1 Day will take only essential equipment and supplies turning in the excess to the Company Supply officer for safekeeping. This equipment will be redrawn as needed after the arrival of the Company Headquarters. Jungle Field Equipment with two changes of clothing is prescribed as individual equipment. All other individual equipment will be turned into the Company Supply for safekeeping.

b. The Plotting Platoon will be equipped with all T/BA items and special allowances required for the landing operation including the following items:

- 4 299 Van Trucks
- 2 2½ Ton Trucks
- 1 Small Arms Repair Truck
- 6 1 Ton Trailers
- 8 Jeeps
- 8 ½ Ton Trailers

- 1 Ambulance
- 2 SCR 299 Radio Sets w/ power units
- 5 SCR 188 Radio Sets
- 2 BC 342 HF Receivers
- 7 FMTR 25V Radio Sets with Crystals
- 4 FM Radio Receivers with Crystals
- 4 SCR 195 Radio Sets for Emergency Communication
- 1 Frequency meter SCR 211
- 1 Test Set I-56
- 1 Test Oscilloscope
- 1 Microvolter
- 1 TC-15 Plotting Equipment less cases not needed
- 1 SCR 169 Battery Charger
- 2 BD-72 Switchboard
- 3 PE-95 Power Unit
- 20 Miles Wire on DR-4
- 2 Miles rubber covered 5 pair cable
- 16 Batteries, Storage
- 4 M-209 Convertors

c. Each Radar Station will have the following Signal Equipment and authorized T/BA Items plus Special Allowances:

- 1 2 $\frac{1}{2}$ ton Truck
- 1 3/4 Ton Truck
- 2 Jeeps
- 2 $\frac{1}{4}$ Ton Trailers
- 1 LW/AW Antenna
- 1 4x4 Screen Reflector or Yagi Antenna
- 2 SCR 602-T6 Radar Sets less Yagi Antenna
- 1 RC 192 IFF Set complete
- 1 6et Yagi Antenna for IFF
- 4 FMTR 25V Radio Sets with Crystals
- 1 Voltammeter and Multiplier
- 1 Peak Diode Voltmeter
- 1 0-50 Microammeter or Substitute
- 1 0-2 RF Ammeter for FM Sets
- 1 BD-906 Frequency Meter
- 1 Tachometer for Frequency Check
- 1 Oscillator I-225
- 1 Test set I-56 When available
- 2 PE 173 Power Units
- 1 PE 75-D Power Unit
- 4 Tiny Tims
- 4 HS 19 Telephone headsets
- 1 BD 71 Switchboard
- 1 Tool Equipment TE-53
- 8 Storage Batteries
- 1 M-209 Converter
- 30 days supply of technical replacement parts
- 6 days supply of white gas
- 6 days supply of oil

d. Each Ground Observer Platoon will be equipped with the following essential items and the items of equipment authorized by T/BA and Special allowances:

- 2 $\frac{1}{4}$ Ton 4x4 Trucks
- 2 $\frac{1}{4}$ Ton Trailers

- 9 SCR 284 Radio Sets Complete, less components not required.
- 1 Special Issue of Batteries and Battery Chargers as required.
- 6 pr Pole Climbers
- 12 miles combat wire
- 16 EE-8A telephones
- 4 HS 19 Telephone headsets
- 1 BD 71 Switchboard
- 30 days supply of PA 48 and other replacement parts
- 6 sets of cooking equipment
- 6 days white rations
- 6 days oil

e. The Company Headquarters will be equipped with all equipment authorized by T/BA and Special Allowances or have on file a requisition for items not issued or authority from Battalion Headquarters for non-requisition of certain items not required.

f. The Assault Echelon will use the following equipment from the Plotting Platoon (in addition to GO equipment)

- 1 SCR 299 Radio Set complete with truck and trailer for Common Air Ground Radio Net.
- 1 SCR 198 Radio Set for Sector Air Ground Net
- 2 BC 312 Receivers from SCR 299 sets for monitoring adjacent Fighter Sector.
- 4 SCR 195 Radio Sets for Emergency Communication.
- 1 Frequency Meter SCR 211
- 1 Test Set I-56
- 1 Microvolter
- 1 Test Oscilloscope
- 1 SCR 169 Battery Charger
- 8 Storage Batteries
- 1 M-209 Converter
- 6 Days Supply White Rations
- 6 Days Supply Oil
- 1 Plotting table from the TC-15 Set
- 4 Folding Chairs from TC-15 Set.
- Necessary Plotting Equipment

6. Installation and Operation

a. The assault echelon will become operational on D day within two hours after landing. The controller will begin controlling Fighter Aircraft as soon as the Naval FSS aboard a Destroyer has moved out of the area. The Ground Observer Platoon will deploy with the Ground Forces to obtain the most advantageous positions for observing aircraft. One Ground Observer team will be designated as NCS. This team will locate at a suitable location near the Plotting board and will receive all reports from the other Ground Observer Stations relaying the information by telephone to the Plotting Board.

b. The Fighter Sub-sector and two Radar Platoons under the Command of the Company Commander will land on D + 1 Day. The sitting Officer who landed with the assault echelon will contact the Company Commander and will give him his recommendations for the location of the Radar Stations and Fighter Sub-sector. Installation of these units will begin immediately after landing. All Units are expected to be in operation within 24 hours after landing at the best site available.

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A more permanent site will be selected for the Fighter Sub-sector. The operations building will be constructed in a revetment deep enough to protect personnel and equipment from AP Bombs with the exception of a direct hit. Particular attention will be paid to proper drainage. The Fighter Sub-sector will move to the permanent location without cessation of operation. Telephone lines and SCR 195 Radio Sets will be useful in communicating between the two installations while moving. The Radar Stations will use the lightweight 4x4 screen reflector or Yagi Antenna for the initial installation. When a permanent site is available the LW/AN Antenna will be installed and the spare SCR 602 and FMTR 25V components will be placed in operation before closing the initial installation.

c. Upon arrival of the remaining two Radar Stations, their installation will begin immediately. The sectors of search will be divided among the four Radar Stations. Three hundred Sixty degree coverage will be maintained at all times with each station assigned a sector of 90 to 130 degrees. The First two stations landing will be assigned sectors of approximately 180 degrees. These large sectors will be reduced as soon as possible after the remaining stations commence operation.

d. The Company Headquarters Platoon will be responsible for the administration and supply of their units. They are responsible for building the consolidated camp and operating a consolidated mess with the Plotting Platoon. The mission of the Company Headquarters Platoon is to increase the efficiency of their subordinate operating units.

e. The Company Commander is responsible for strictly enforcing the following precautions necessary for safeguarding the health of those under his command.

1. Observe strict anti-malaria discipline to include atabrine, wearing shirts with sleeves down, wearing of leggings, mosquito repellent, mosquito bars and head nets.

2. Shirts will be worn even during daylight hours until advised by the local medical authorities that strict observance is not necessary. When the above has been complied with, men doing hard labor may remove their shirts if given permission by the officer in charge.

3. All areas will be cleared or burned free of kunai grass if possible before occupation by troops. The kunai is the habitat of rats and the carrier of scrub typhus mites, a disease which has the highest percent fatality rate in this theater.

4. All water will be chlorinated in accordance with current regulations.

5. All mess kits, pots and pans will be scrubbed with boiling water before and after use. Three G.I. cans of boiling water (one soapy and two rinse) will be available at every mess for cleaning mess kits.

6. Latrines will be dug immediately upon arrival with drainage ditches to turn the water from the surrounding area. A tent fly will be put up if practical to prevent rain from falling in the latrine. The latrine will be covered with seats as soon as possible. Excretions will be covered by earth as deposited until latrine is been covered.

7. Garbage will be burned and buried when it is not practical to deposit it in the sea. Tin cans will be smashed flat burned and buried with the garbage. The garbage pit will be remote from the kitchen and will be covered in order to eliminate flies. Soakage pits will be constructed for disposing of greasy water.

8. Reports - A daily change in Status report will be made by radio to the CO of the interested Fighter Wing and an information copy addressed to the Battalion Commander. A Report will not be submitted unless changes in status occur. The Status Reports will include the progress of installation giving the designation of the Units as they begin operation together with the exact location in Lat and Long and the nearest Geographical Feature which will help identify the exact location. Installations in progress will be reported upon estimating the time expected to begin operation. The locations of Ground Observer Posts will be reported. The detailed beach landing plan which is approved by the Battalion Headquarters and the Wing Signal Office before landing may be altered by the Company Commander provided he reports the changes by radio with the reason necessitating the changes. The original plan will be followed if at all possible.

9. The Company Commander is responsible for obtaining all codes and ciphers, SOI and SOP VFC and distributing to his units. He will instruct them in their use and insure strict compliance with all standing orders. Recommendations for changing Standing Orders will be accepted and considered when revisions are deemed necessary.

7. Relief by Fighter Sector

a. When the Fighter Sector Installation is complete orders will be issued transferring the control from the Fighter Sub-sector to the Fighter Sector. When this occurs the Fighter Sub-sector will continue to operate as a Radar Filter board and pass all filtered tracks by telephone to the Fighter Sector. Orders will eventually be issued closing the Fighter Sub-sector in order to prepare for forward movement. If the operation is a beach landing the procedure described herein will be repeated.

By order of MAJOR LAMBERT:

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