

Text.—Guam destroy all secret and confidential publications and other classified matter except that essential for current purposes and special intelligence retaining minimum cryptographic channels necessary for essential communications with CINCPAC CINCPAC COM 14 OOM 16 and OPNAV X. Be prepared to destroy instantly in event of emergency all classified matter you retain X. Report Crypto channels retained.

Make original only, deliver to communication watch office in person. (See Art 76 (4) Nav. Regs.)

EXHIBIT No. 22

SECRET

Naval Message—Navy Department

Op-20

Plane Lit. No. 103	Address	Message precedence
From OPNAV Revised by — Date 6 December 1941	Action To CINCPAC	Priority Routine Deferred
TO: Chief Room, Decoded by — Paraphrased by —	To: — CINCPAC	Priority Routine Deferred

Indicate by asterisk addresses for which mail delivery is satisfactory (M74)

Unless otherwise designated this dispatch will be transmitted with Deferred precedence. Designate R in date and time for Deferred and A for Delivery.

Text.—In view of the international situation and the exposed position of our outlying Pacific Islands you may authorize the destruction by them of secret and confidential documents now or under later conditions of greater emergency. X Means of communication to support our current operations and special intelligence should of course be maintained until the last moment.

Make original only. Deliver to Communication Watch Officer in person. (See Art. 76 (4), Navy Regulations.)

EXHIBIT No. 23

CONFIDENTIAL

[1]

Headquarters
14th Naval District
Pearl Harbor, T. H.

Headquarters
Hawaiian Department
Fort Shafter, T. H.

JOINT COASTAL FRONTIER DEFENSE PLAN—HAWAIIAN DEPARTMENT AND
FOURTEENTH NAVAL DISTRICT, 1939

28 MARCH 1941.

ANNEX NO. VII—SECTION VI—JOINT AGREEMENTS.

JOINT SECURITY MEASURES, PROTECTION OF FLEET AND PEARL HARBOR BASE.

I. GENERAL.

1. In order to coordinate joint defensive measures for the security of the fleet and for the Pearl Harbor Naval Base, for defense against hostile raids or air attacks delivered prior to a declaration of war and before a general mobilization for war, the following agreements, supplementary to the provisions of the HCF-39 (14ND-JCD-13), are adopted. These agreements are to take effect at once and will remain effective until notice in writing by either party of their renouncement in whole or in part. Frequent revision of these agreements to incorporate lessons determined from joint exercises will probably be both desirable and necessary.

II. JOINT AIR OPERATIONS.

2. When the Commanding General of the Hawaiian Department and the Naval Base Defense Officer (the Commandant of the 14th Naval District), agree that

the threat of a hostile raid or attack is sufficiently imminent to warrant such action, each commander will take such preliminary steps as are necessary to make available without delay to the other commander such proportion of the air forces at his disposal as the circumstances warrant in order that joint operations may be conducted in accordance with the following plans.

a. Joint air attacks upon hostile surface vessels will be executed under the tactical command of the Navy. The Department Commander will determine the Army bombardment strength to participate in each mission. With due consideration to the tactical situation existing, the number of bombardment airplanes released to Navy control will be the maximum practicable. This force will remain available to the Navy, for repeated attacks, if required, until completion of the mission, when it will revert to Army control.

[2] b. Defensive air operations over and in the immediate vicinity of Oahu will be executed under the tactical command of the Army. The Naval Base Defense Officer will determine the Navy fighter strength to participate in these missions. With due consideration to the tactical situation existing, the number of fighter aircraft release to Army control will be the maximum practicable. This force will remain available to the Army for repeated patrols or combat or for maintenance of the required alert status until, due to a change in the tactical situation; it is withdrawn by the Naval Base Defense Officer (Commandant 14th Naval District), and reverts to Navy control.

c. When naval forces are insufficient for long distance patrol and search operations, and Army aircraft are made available, these aircraft will be under the tactical control of the naval commander directing the search operations.

d. In the special instance in which Army pursuit protection is requested for the protection of friendly surface ships, the force assigned for this mission will pass to the tactical control of the Navy until completion of the mission.

III. JOINT COMMUNICATIONS.

3. To facilitate the prompt interchange of information relating to friendly and hostile aircraft, and to provide for the transmission of orders when units of one service are placed under the tactical control of the other service, Army and Navy communications personnel will provide for the installation and operation, within the limitations of equipment on hand or which may be procured, of the following means of joint communication.

a. Joint Air-Antiaircraft page printer teletype circuit with the following stations:

ARMY

Hawaiian Air Force
18th Bombardment Wing
14th Pursuit Wing
Hq. Prov. AA Brigade

NAVY

Naval Air Station, Pearl Harbor
Naval Air Station, Kaneohe
Ewa Landing Field
Waialupe Radio Station

b. Joint radio circuit on 219 kilocycles with the following stations:

ARMY

Headquarters, Hawaiian Department.
*Headquarters, HSCA Brigade
Hq. Prov. AA Brigade
Hq. Hawaiian Air Force
18th Bombardment Wing
14th Pursuit Wing

NAVY

Waialupe Radio Station
Senior Officer Present Afloat
Naval Air Station, Pearl Harbor
Naval Air Station, Kaneohe
Marine Air Group, Ewa

[3] c. Direct local battery telephone lines as follows:

ARMY

Hq. Haw. Dept. (G-3 Office)
CP, H. S. C. A. B.
CP, Pearl Harbor Gpmt (Ft Kam)

NAVY

14th Naval District
14th Naval District
14th Naval District

d. Radio frequencies to be employed during joint air operations both during combat and joint exercises, for communication between airplanes in flight will be as agreed upon by the Commanding General, Hawaiian Air Force, and the Commander, Base Defense Air Force.

* Not control Station.

4. To facilitate the prompt interchange of information relating to the movements of friendly and hostile naval ships and of commercial shipping, Army and Navy communications personnel will provide for the installation and operation, within the limitations of equipment on hand, or which may be procured, of the following means of joint communication:

a. Joint page printer teletype circuit connecting the Harbor Control Post with the Hawaiian Separate Coast Artillery Brigade loop.

b. Joint radio circuit on 2550 kilocycles with the following stations:

ARMY

NAVY

CP, PH Gpmt, Ft Kamehameha

Waialupe

CP, Hon. Gpmt, Ft. Ruger

Destroyer Patrol

Additional stations that may be determined to be necessary

Mine Sweepers

c. Telephone circuits as provided in par. 3 c. above.

5. Pending the establishment of the Aircraft Warning Service, the Army will operate an Antiaircraft Intelligence Service which, using wire and radio broadcasts, will disseminate information pertaining to the movements of friendly and hostile aircraft. It should be understood that the limitations of the AAAIS are such that the interval between receipt of a warning and the air attack will in most cases be very short. Radio broadcasts from the AAIS will be transmitted on 900 kilocycles. All information of the presence or movements of hostile aircraft off-shore from Oahu which is secured through Navy channels will be transmitted promptly to the Command Post of the Provisional Antiaircraft Brigade.

6. Upon establishment of the Aircraft Warning Service, provision will be made for transmission of information on the location of distant hostile and friendly aircraft. Special wire or radio circuits will be made available for the use of Navy liaison officers, so that they may make their own evaluation of [4] available information and transmit them to their respective organizations. Information relating to the presence or movements of hostile aircraft offshore from Oahu which is secured through Navy channels will be transmitted without delay to the Aircraft Warning Service Information Center.

7. The several joint communications systems listed in paragraphs 3 and 4 above, the Antiaircraft Intelligence Service, and the Aircraft Warning Service (after establishment) will be manned and operated during combat, alert periods, joint exercises which involve these communications systems, and at such other periods as may be agreed upon by the Commanding General Hawaiian Department and the Naval Base Defense Officer. The temporary loan of surplus communication equipment by one service to the other service to fill shortages in joint communication nets is encouraged where practicable. Prompt steps will be taken by the service receiving the borrowed equipment to obtain replacements for the borrowed articles through their own supply channels.

IV. JOINT ANTIAIRCRAFT MEASURES.

8. *Arrival and Departure Procedure, Aircraft.*

During joint exercises, alert periods, and combat, and at such other times as the Commanding General Hawaiian Department and the Naval Base Defense Officer (Commandant, Fourteenth Naval District) may agree upon, all Army and Navy aircraft approaching Oahu or leaving airfields or air bases thereon will conform to the Arrival and Departure Procedure prescribed in Inclosure A. This procedure will not be modified except when a departure therefrom is essential due to combat (real or simulated during exercises) or due to an emergency.

9. *Balloon barrages.*

Reports from abroad indicate the successful development and use of balloon barrages by European belligerents both British and German. Although detailed information is not available, the possibilities of balloon barrages in the Oahu area are recognized. Further investigation and study is necessary both locally and by the War and Navy Departments in order to determine the practicability of this phase of local defense.

10. *Marine Corps Antiaircraft Artillery.*

When made available by the Naval Base Defense Officer (Commandant, 14th Naval District), Marine Corps units manning antiaircraft artillery present on Oahu will be placed under the tactical control of the Commanding General, Hawaiian Separate Coast Artillery Brigade.

11. *Aircraft Warning Service.*

The Army will expedite the installation and placing in operation of an Aircraft Warning Service. During the period prior to [5] the completion of the

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AWS installation, the Navy, through use of RADAR and other appropriate means, will endeavor to give such warning of hostile attacks as may be practicable.

V. MUNITIONS, JOINT USE OF.

12. Army and Navy Officers charged with the storage and issue of ammunition and bombs will exchange information concerning the types, quantities, and locations of these munitions which are suitable for use by the other service. Studies will be instituted and plans prepared for the prompt transfer of ammunition from one service to the other. No such transfer of munitions will be made without specific authority granted by the commander concerned for each transfer.

VI. SMOKE SCREENS.

13. Smoke screens will not be employed for screening the Pearl Harbor—Hickam Field area from air attacks.

VII. HARBOR CONTROL POST.

14. A joint harbor control post, as described in Inclosure B, will be established without delay. This system will be actively manned during joint exercises, alert periods, and combat and for such other periods as may be agreed upon by the Commanding General Hawaiian Department and the Naval Base Defense Officer (Commandant, 14th Naval District).

Approved: 2 April 1941.

(Signed) Walter C. Short,
WALTER C. SHORT,
Lieutenant General, U. S. Army,
Commanding,
Hawaiian Department.

(Signed) C. C. Bloch,
C. C. BLOCH,
Rear Admiral, U. S. Navy,
Commandant,
Fourteenth Naval District.

[1] C-A16-3/A4-3(5)/ND14(C348)

Confidential

Commander Naval Base Defense Air Force,
Commander Patrol Wing Two,
Naval Air Station,
Pearl Harbor, T. H.

March 31, 1941.

Commanding General,
Hawaiian Air Force,
Fort Shafter, T. H.

ADDENDUM I TO NAVAL BASE DEFENSE AIR FORCE OPERATION PLAN No. A-1-41

JOINT ESTIMATE COVERING JOINT ARMY AND NAVY AIR ACTION IN THE EVENT OF SUDDEN
HOSTILE ACTION AGAINST OAHU OR FLEET UNITS IN THE HAWAIIAN AREA

I. Summary of the Situation.

(a) Relations between the United States and Orange are strained, uncertain, and varying.

(b) In the past Orange has never preceded hostile actions by a declaration of war.

(c) A successful, sudden raid, against our ships and Naval installations on Oahu might prevent effective offensive action by our forces in the Western Pacific for a long period.

(d) A strong part of our fleet is now constantly at sea in the operating areas organized to take prompt offensive action against any surface or submarine force which initiates hostile action.

(e) It appears possible that Orange submarines and/or an Orange fast raiding force might arrive in Hawaiian waters with no prior warning from our intelligence service.

II. Survey of Opposing Strengths.

(a) Orange might send into this area one or more submarines and/or one or more fast raiding forces composed of carriers supported by fast cruisers. For such action she is known to have eight carriers, seven of which are reported to be capable of 25 knots or over and four of which are rated at 30 knots or better. Two of the carriers are converted capital ships, armored and armed with 10-8'' guns each and reported to have heavy AA batteries. Two others are small (7,000 treaty tons) and limited to 25 knots. Exact information on numbers and

characteristics of the aircraft carried by these ships is not available. However the best estimate at present available is that the small carriers can accommodate from 20 to 30 planes and the large ones [2] about 60. Probably the best assumption is that carrier complements are normally about equally divided between fighter and bomber types. Lacking any information as to range and armament of planes we must assume that they are at least the equal of our similar types. There probably exist at least 12 eight inch gun and least 12 six inch gun fast modern cruisers which would be suitable supports. Jane's Fighting Ships (1939) shows over forty submarines which are easily capable of projection into this area. An Orange surface raiding force would be far removed from their base and would almost surely be inferior in gun power to our surface forces operating at sea in the Hawaiian area.

(b) The most difficult situation for us to meet would be when several of the above elements were present and closely coordinated their actions. The shore-based air force available to us is a constantly varying quantity which is being periodically augmented by reinforcements from the mainland and which also varies as fleet units are shifted. Under existing conditions about one-half of the planes present can be maintained in a condition of material readiness for flight. The aircraft at present available in Hawaii are inadequate to maintain, for any extended period, from bases on OAHU, a patrol extensive enough to insure that an air attack from an Orange carrier cannot arrive over OAHU as a complete surprise. The projected outlying bases are not yet in condition to support sustained operations. Patrol planes are of particular value for long range scouting at sea and are the type now available in this area best suited for this work. If present planes are used to bomb well defended ship objectives, the number available for future use will probably be seriously depleted. In view of the continuing need for long range overseas scouting in this area the missions of those planes for operations as contemplated in this estimate should be scouting. Certain aircraft of the Utility Wing, although not designed for combatant work, can be used to advantage in augmenting the scouting of patrol planes. Other types of aircraft, in [3] general, can perform functions that accord with their type.

III. Possible Enemy Action.

(a) A declaration of war might be preceded by:

1. A surprise submarine attack on ships in the operating area.
2. A surprise attack on OAHU including ships and installations in Pearl Harbor.
3. A combination of these two.

(b) It appears that the most likely and dangerous form of attack on OAHU would be an air attack. It is believed that at present such an attack would not would be an air attack. It is believed that at present such an attack would most likely be launched from one or more carriers which would probably approach inside of three hundred miles.

(c) A single attack might or might not indicate the presence of more submarines or more planes awaiting to attack after defending aircraft have been drawn away by the original thrust.

(d) Any single submarine attack might indicate the presence of a considerable undiscovered surface force probably composed of fast ships accompanied by a carrier.

(e) In a dawn air attack there is a high probability that it could be delivered as a complete surprise in spite of any patrols we might be using and that it might find us in a condition of readiness under which pursuit would be slow to start, also it might be successful as a diversion to draw attention away from a second attacking force. The major disadvantage would be that we would have all day to find and attack the carrier. A dusk attack would have the advantage that the carrier could use the night for escape and might not be located the next day near enough for us to make a successful air attack. The disadvantage would be that it would spend the day of the attack approaching the islands and might be observed. Under the existing conditions this might not be a serious disadvantage for until an overt act has been committed we probably will take no offensive action and the only thing that would be lost would be complete surprise. Midday attacks have all the disadvantages and none of the advantages of the above. After hostilities have commenced, a night attack would offer certain advantages but as an initial crippling blow a dawn or dusk attack would probably be no more hazardous and would have a better chance for accomplishing a large success. Submarine attacks could be coordinated with any air attack.

IV. *Action open to us.*

(a) Run daily patrols as far as possible to seaward through 360 degrees to reduce the probabilities of surface or air surprise. This would be desirable but can only be effectively maintained with present personnel and material for a very short period and as a practicable measure cannot, therefore, be undertaken unless other intelligence indicates that a surface raid is probable within rather narrow time limits.

(b) In the event of any form of surprise attack either on ships in the operating areas or on the islands:

1. Immediate search of all sea areas within reach to determine the location of hostile surface craft and whether or not more than one group is present.

2. Immediate arming and preparation of the maximum possible bombing force and its despatch for attack when information is available.

(c) In the event of an air attack on OAHU, in addition to (b) above:

1. The immediate despatch of all aircraft suitable for aerial combat to intercept the attackers.

2. The prompt identification of the attackers as either carrier or long range shore based aircraft.

3. The prompt dispatch of fast aircraft to follow carrier type raiders back to their carrier.

[5] IV. (d) In the event of a submarine attack on ships in the operating area in addition to (b) above:

1. Hold pursuit and fighter aircraft in condition of immediate readiness to counter a possible air raid until search proves that none is imminent.

2. Despatch armed shore based fleet aircraft to relieve planes in the air over the attack area.

3. Establish a station patrol by patrol planes two hundred twenty mile radius from scene of attack at one hour before daylight of next succeeding daylight period.

(e) None of the above actions can be initiated by our forces until an attack is known to be imminent or has occurred. On the other hand, when an attack develops time will probably be vital and our actions must start with a minimum of delay. It therefore appears that task forces should be organized now, missions assigned, conditions of readiness defined and detailed plans prepared so that coordinated immediate action can be taken promptly by all elements when one of the visualized emergencies arises. To provide most effectively for the necessary immediate action, the following joint task units will be required:

1. Search Unit.

2. Attack Unit.

3. Air Combat Unit.

Carrier scouts, army reconnaissance and patrol planes can be employed with very widely varying effectiveness, either for search or attack. Under varying conditions some shifts of units between the search and attack groups may be desirable. Also, the accomplishment of these two tasks must be closely coordinated and therefore these two groups should be controlled by the same task group commander.

V. *Decisions:*

1. This force will locate and attack forces initiating hostile actions against OAHU or fleet units in order to prevent or minimize damage to our forces from a surprise attack and to obtain information upon which to base coordinated retaliatory measures.

[6] 2. *Subsidiary decisions.* In order to be in all respects prepared to promptly execute the above decision:

(a) Establish a task organization as follows by the issue of a joint air operation plan:

1. *Search and Attack Group (Commander Naval Base Defense Air Force (Commander Patrol Wing TWO)).*

The following units in accordance with current conditions of readiness:

Patrol squadrons.

Shore-based VO-VS units.

Shore-based carrier VB and VT squadrons.

Shore-based carrier VS planes not assigned to the air combat group.

Shore-based Marine VS and VB squadrons.

Army bombardment squadrons.

Army reconnaissance squadrons.

Navy Utility squadrons.

2. *Air Combat Group (Commander Hawaiian Air Force).*

The following units in accordance with current conditions of readiness:

Army pursuit squadrons.

Shore-based carrier VF squadrons.

Shore-based Marine VF squadrons.

One division of shore-based carrier VS planes. (Primarily for trailing aircraft).

(b) Assign missions to the above groups as follows:

1. *Search and Attack Group.* Locate, report and track all hostile surface units in position to take or threaten hostile action. Destroy hostile ships by air attack. Priority of targets: (1) carriers (2) large supporting ships. If choice of location is presented priority should be given to: (1) carrier involved in attack (2) vessels beyond reach of our surface vessel interception.

2. *Air Combat Group.* Intercept and destroy hostile aircraft. Identify and report type of attacking aircraft. Trail [7] attacking carrier type planes to carrier and report location to commander search and attack group. As a secondary mission support search and attack group upon request.

(c) Provide a means for quickly starting all required action under this plan when:

(a) An air attack occurs on OAHU.

(b) Information is received from any source that indicates an attack is probable.

(c) Information is received that an attack has been made on fleet units.

(d) Define conditions of readiness for use with this plan as follows:

Conditions of readiness shall be prescribed by a combination of a letter and number from the tables below. The letter indicating the part of a unit in a condition of material readiness for its assigned task and the number indicating the degree of readiness prescribed for that part.

MATERIAL READINESS

A. All assigned operating aircraft available and ready for a task.

B. One-half of all aircraft of each functional type available and ready for a task.

C. Approximately one-quarter of all aircraft of each functional type available and ready for a task.

D. Approximately one-eighth of all aircraft of each functional type available and ready for a task.

E. All aircraft conducting routine operations, none ready for the purposes of this plan.

DEGREE OF READINESS

1. For pursuit and VF types—four minutes. Types other than fighters—fifteen minutes.

2. All types—30 minutes.

3. All types—one hour.

4. All types—two hours.

5. All types—four hours.

The armament and fuel load for each type under the [8] above conditions of readiness are dependent upon the tasks assigned in contributory plans and orders and will be prescribed therein.

(e) Establish a procedure whereby the conditions of readiness to be maintained by each unit is at all times prescribed by the Senior Officers Present of the Army and Navy as a result of all information currently available to them. In using the above conditions it should be noted that: CONDITION A-1 requires a preparation period of reduced operations and can be maintained for only a short time as it is an all hands condition. CONDITIONS B-1 and B-2 require watch and watch for all personnel and personnel fitness for air action will decrease rapidly if they are maintained too long. Any Condition 1, 2, or 3 will curtail essential expansion training work. CONDITIONS C, or D, 4 or 5 can be maintained without unduly curtailing normal training work.

(f) In order to perfect fundamental communications by use and to insure that prospective Task Group Commanders at all times know the forces immediately available to them for use, under the plan above, in case of a sudden emergency, provide, for daily dispatch readiness reports as of the end of normal daily flying

from all units to their prospective task force commander. These reports to state:

- (a) Number of planes in the unit by functional types such as bomber, fighter, etc.
- (b) Number of each type in commission for flight and their degree of readiness as defined above.
- (g) After the joint air operations plan under subsidiary decision (a) above has been issued, the task group commanders designated therein will prepare detailed contributory plans for their groups to cover the various probable situations requiring quick action in order that the desired immediate action in an emergency can be initiated with no further written orders. To assist in this work the following temporary details will be made:

[9] (a) By Commander Naval Base Defense Air Force (Commander Patrol Wing TWO): an officer experienced in VF and VS operations and planning to assist the Commander of Air Combat Group.

(b) By the Commander Hawaiian Air Force: an officer experienced in Army bombardment and reconnaissance operations and planning to assist the Commander of the Search and Attack Group.

F. L. MARTIN,
Major General, U. S. Army,
Commanding Hawaiian Air Force.

P. N. L. BELLINGER,
Rear Admiral, U. S. Navy,
Commander Naval Base Defense Air Force,
(Commander Patrol Wing TWO)

Authenticated:

J. W. BAYS,
Lieutenant, U. S. Navy.

[4]

EXHIBIT No. 24

SECRET

WAR DEPARTMENT,
Washington, Feb. 7, 1941.

Subject: Air Defense of Pearl Harbor, Hawaii.

To: The Secretary of the Navy.

1. In replying to your letter of January 21, regarding the possibility of surprise attacks upon the Fleet or the Naval Base at Pearl Harbor, I wish to express complete concurrence as to the importance of this matter and the urgency of our making every possible preparation to meet such a hostile effort. The Hawaiian Department is the best equipped of all our overseas departments, and continues to hold a high priority for the completion of its projected defenses because of the importance of giving full protection to the Fleet.

2. The Hawaiian Project provides for one hundred and forty-eight pursuit planes. There are now in Hawaii thirty-six pursuit planes; nineteen of these are P-35's and seventeen are of somewhat less efficiency. I am arranging to have thirty-one P-35 pursuit planes assembled at San Diego for shipment to Hawaii within the next ten days, as agreed to with the Navy Department. This will bring the Army pursuit group in Hawaii up to fifty of the P-35 type and seventeen of a somewhat less efficient type. In addition, fifty of the new P-40-B pursuit planes, with their guns, crashproof tanks and modern armor will be assembled at San Diego about March 15 for shipment by carrier to Hawaii.

3. There are at present in the Hawaiian Islands eighty-two 3-inch AA guns, twenty 37 mm. AA guns (en route), and one hundred and nine caliber .50 AA machine guns. The total project calls for ninety-eight 3-inch AA guns, one hundred and twenty 37 mm. AA guns, and three hundred and eight caliber .50 AA machine guns.

4. With reference to the Aircraft Warning Service, the equipment therefor has been ordered and will be delivered in Hawaii in June. All arrangements for installation will have been made by the time the equipment is delivered. Inquiry develops the information that delivery of the necessary equipment cannot be made at an earlier date.