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Authority Comdr, TG 7.4
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Date 15 AUGUST 1963

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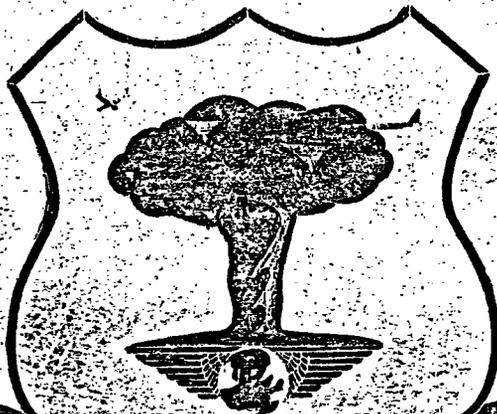
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HEADQUARTERS TASK GROUP 7.4

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OPERATION ORDER NO. 1-53

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3/14/67/13

HOWELL M. ESTES, JR.
BRIGADIER GENERAL, USAF
COMMANDER

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HEADQUARTERS
TASK GROUP 7.4, PROVISIONAL
Kirtland Air Force Base, New Mexico
15 August 1953 1800T

OPERATIONS ORDER NO. 1-53

CHART REFERENCES:

- a. World Aeronautical Charts (748, 749, 848, 849, 850) 1:1,000,000.
- b. USAF Aeronautical Planning Chart (AP-14) 1:5,000,000.

TASK ORGANIZATION:

- a. Headquarters, Task Group 7.4, Brigadier General Howell M. Estes, Jr.
Provisional (TG 7.4)
- b. Test Support Unit Colonel James F. Starkey
- c. Test Aircraft Unit Lt. Colonel James A. Watkins
- d. Test Services Unit Lt. Colonel Mahlon B. Hammond

1. GENERAL SITUATION:

The Department of Defense, in collaboration with the Atomic Energy Commission, will test experimental devices at ENIWETOK and BIKINI ATOLLS early in 1954. JTF SEVEN, commanded by Major General P. W. Clarkson, United States Army, will conduct the operation, which has been assigned the code name of CASTLE (RESTRICTED, SI).

- a. See Annex A, Intelligence.
- b. See Annex B, Organization and Command Relationships.
 - (1) The Naval Task Group will provide aircraft control facilities aboard the Command Ship and Control Destroyer to TG 7.4 during rehearsals and shots.

2. MISSION:

a. The ultimate mission of TG 7.4 is to conduct the following operations and services in the forward area in direct support of scientific programs:

- (1) Cloud sampling.
- (2) Effects test aircraft operation.
- (3) Documentary photography aircraft operations.
- (4) Inter-island and inter-atoll airlift operations.
- (5) Communications services.
- (6) Weather service.
- (7) Search and rescue.

b. The interim mission of TG 7.4 is to execute the following tasks prerequisite to accomplishment of the ultimate mission:

- (1) Provide for delivery of significant devices to the forward area. (A plan covering this operation will be prepared at a later date.)

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- (2) Assure proper organization, training, equipping and timely arrival of elements to the Task Group through liaison with appropriate parent commands.
- (3) Integrate reporting elements into the Task Group and conduct specialized training.
- (4) Provide, through liaison with the Scientific Task Group, for the necessary modification of aircraft and handling equipment to assure that technical requirements in support of the scientific program are met.
- (5) Provide forces to operate an inter-island and inter-atoll airlift system for the Army Task Group Commander in the forward area during the CASTLE (RESTRICTED, SI) build-up phase.

3. TASKS FOR SUBORDINATE UNITS:

a. Test Support Unit:

- (1) Maintain and operate the following aircraft:
Four (4) C-47's; Nine (9) L-13's; Seven (7) H-19's;
One (1) C-54 (CJTF); and additional aircraft as directed by Comdr JTF SEVEN.
- (2) Provide forces to operate an inter-island and an inter-atoll airlift system for the Army Task Group Commander in the forward area during the CASTLE (RESTRICTED, SI) build-up phase. (See Annex N.)
- (3) Operate an inter-island and inter-atoll airlift system in the forward area during the operational phase. (See Annex N.)
- (4) Be prepared to conduct official observer and administrative flights as directed by Comdr TG 7.4.
- (5) Provide facilities for maintenance of flying proficiency of approximately eighty (80) assigned and attached rated Joint Task Force personnel and insure that required minimums are met.
- (6) Operate all facilities on ENIWETOK ISLAND and BIKINI airstrip as relate to the operation of aircraft, except POL storage facilities.
- (7) Provide required administration for TG 7.4 Headquarters. (See Annex C.)
- (8) Provide limited photographic services for documenting Task Group operations.
- (9) With augmentation from the Test Aircraft and Test Services Units, conduct field maintenance and support services for all TG 7.4 aircraft, transient aircraft and other aircraft as directed. (See Annex C.)
- (10) Provide Air Force technical supply support for all Joint Task Force activities.
- (11) Prepare the Air Operations Center at ENIWETOK for full scale operations when directed by Comdr TG 7.4. (See Annexes D and K.)

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- (12) Provide Comdr TG 7.2 with personnel augmentation as directed by Comdr TG 7.4.
- (13) Provide aircraft decontamination facilities for all TG 7.4 aircraft, construct the Air Radex in the AOC, provide for Rad-Safety within areas of ENIWETOK ISLAND in which personnel of TG 7.4 are assigned, provide for film badge issue and control for TG 7.4 personnel, and provide other radiological safety services as may be required.

Charge #1

b. Test Aircraft Unit:

- (1) Operate and provide organizational maintenance for the following aircraft upon their arrival in the forward area: (See Annex C.)

- (a) Fifteen (15) F-84G Samplers.
- (b) Two (2) B-36H High Altitude Samplers, one of which will also be the Control Back-up Aircraft.
- (c) One (1) B-36D Effects Aircraft.
- (d) ~~Three (3) C-54 Documentary Photographic Aircraft.~~
- (e) One (1) RB-36 Primary Control and Documentary Photographic Aircraft.
- (f) Additional aircraft as directed by Comdr JTF SEVEN.

Charge #1

Charge #1
Charge #1

- (2) Conduct the following missions during each rehearsal and shot:

MISSION

APPROXIMATE DURATION

- | | |
|---|--------------------|
| (a) Twelve (12) F-84G Sampler | 3 hours |
| (b) One (1) RB-36 Control and Photo | 8 hours |
| (c) Two (2) B-36H High Altitude Sampler | 6 hours |
| (d) One (1) B-36D Effects | 5 hours |
| (e) Three (3) C-54 Documentary Photo | 6 hours |

Charge #1

Charge #1

- (g) Such other missions as directed by Comdr JTF SEVEN.
- (3) Prepare coordinated takeoff schedules and coordinated IFR flight procedures for all TG 7.4 aircraft participating in rehearsals and actual shot operations.
- (4) Control all ENIWETOK takeoffs and landings during rehearsals and actual shot operations, under supervision of the Air Operations Center.
- (5) Augment the field maintenance facilities of the Test Support Unit.
- (6) Provide for Rad-Safe briefings of TG 7.4 air crews and for sample recovery operations.

Charge #1

c. Test Services Unit:

- (1) Operate and provide organizational maintenance for the following aircraft upon arrival in the forward area: (See Annex C.)

change # 1

- (a) Eight ~~(8)~~ WB-29 Weather Reconnaissance Aircraft.
- (b) Two (2) SA-16 Search and Rescue Aircraft.

change # 1

- (c) Additional aircraft as directed by Comdr JTF SEVEN.
 - (d) ~~3 - C-54 Doc Photo~~ Documentary Photographic Aircraft
- (2) Conduct the following missions for an on-site operational period of approximately 120 days:

10 Feb

- (a) Two 12 hour WB-29 weather missions per day, commencing on first shot minus 20 days.
- (b) Three 12 hour WB-29 weather missions per day, commencing on first shot minus 4 days.
- (c) Two 12 hour WB-29 radiological safety missions per day from shot day until shot plus 2 days.
- (d) Two 8 hour SA-16 missions on shot and rehearsal days.

change # 1

- (e) Additional missions as directed by Comdr JTF SEVEN.
- (3) Be prepared for possible delays in the operation which may extend the requirements listed in subparagraph (b) above for an additional three (3) days. *shot + rehearsal days*

change # 1

- (4) Beginning on ~~25 January~~ ^{7 Feb} 1954, assume typhoon reconnaissance responsibility in the area bounded by the equator, latitude 25° North, the meridian of 180° and longitude of 157° 31' East. The Joint Task Force Weather Central will coordinate this effort.
- (5) Maintain one (1) SA-16 on continual SAR alert during other than shot and rehearsal periods.
- (6) Augment the field maintenance facilities of the Test Support Unit.

24 Jan
45 Feb

- (7) Establish and operate under operational control of Comdr JTF SEVEN the Joint Task Force Weather Central on ENIWETOK ISLAND by first shot minus 35 days.

24 Jan

- (8) Establish and operate by first shot minus 35 days a ground weather observation network, consisting of observation stations at KUSAIE, RONGERIK, MAJURO, and PONAPE.

23 Jan

- (9) Establish and operate by first shot minus 30 days complete terminal facilities for MATS transport operations at ENIWETOK.

- (10) Provide airways and air communications services as required in support of CASTLE (RESTRICTED, SI) operations outlined in this order. (See Annex D.)

- (11) Execute SAR functions as outlined in Annex I to this order.

d. All Units:

- (1) Provide liaison officers to assist Headquarters TG 7.4 aircraft controllers in the AOC, on the Command Ship and on the Control Destroyer as required. (See Annex K.)

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- (2) Conduct all aircraft operations in strict accordance with policies outlined in Annex K to this order.
 - (3) Assure that no personnel are based in the forward area longer than the operational mission necessitates.
 - (4) Adhere to security procedures as outlined in Annex G.
 - (5) Emphasize the Flight Safety program outlined in Annex L.
 - (6) Augment existing SAR facilities in emergencies.

4. LOGISTICAL MATTERS: See Annex C, Administration.

5. COMMAND AND SIGNAL MATTERS:

a. Communications: See Annex D, Communications.

b. Time:

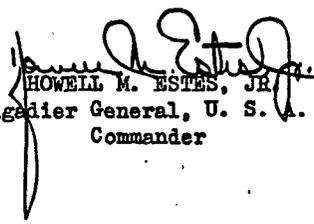
- (1) Electrical communications - use Zone "Z" Time.
- (2) Operations in the Zone of Interior - use Local Standard Time.
- (3) Operations in the forward area - use Zone "M" Time.

c. Command Posts:

(1) Task Group 7.4	ZI Kirtland Air Force Base, New Mexico
	OS ENIWETOK ISLAND, MARSHALL ISLANDS.
(2) Test Support Unit	OS ENIWETOK ISLAND, MARSHALL ISLANDS.
(3) Test Aircraft Unit	OS ENIWETOK ISLAND, MARSHALL ISLANDS.
(4) Test Services Unit	OS ENIWETOK ISLAND, MARSHALL ISLANDS.

ANNEXES:

See Page 6.


HOWELL M. ESTES, JR.
Brigadier General, U. S. A. F.
Commander

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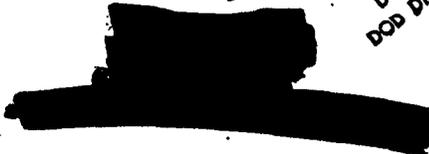
See Pages 7 and 8..

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ANNEXES:

- A - Intelligence
- B - Organization and Command Relationships
- C - Administration
- D - Communications
- E - Weather
- F - Training
- G - Security and Public Information
- H - Radiological Safety
- I - Search and Rescue
- J - Comptroller
- K - Aircraft Control
- L - Flying Safety
- M - Schedule of Events
- N - Inter-Island and Inter-Atoll Airlift Operations

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~~O - Detailed Operations Plan~~ (For training purposes, procedures prescribed by Consolidated Training Directive Number 1, this Headquarters, will apply. A separate operation order will be published for each significant event in the forward area.

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- 1 22 Comdr, WADC, Wright-Patterson AFB, Ohio
- 2 23 - 24 Comdr, MATS, Andrews AFB, Washington 25, D.C.
- 2 25 - 26 Comdr, AFSWC, Kirtland AFB, New Mexico
- 1 27 Comdr, AACS, Andrews AFB, Washington 25, D.C.
- 1 28 Comdr, AWS, Andrews AFB, Washington 25, D.C.
- 1 29 Comdr, ARS, Andrews AFB, Washington 25, D.C.
- 2 30 - 31 Comdr, PACDIVMATS, APO 953, c/o PM, San Francisco, Calif.
- 5 32 - 36 Comdr, 4930th Test Support Group, APO 187, c/o PM, San Francisco, Calif.
- 10 37 - 46 Comdr, 4925th Test Group (Atomic), ATTN: 4926th Test Squadron (Sampling), Kirtland AFB, New Mexico
- 2 47 - 48 Comdr, 8th Air Force, Carswell AFB, Texas
- 2 49 - 50 Comdr, 1500th Air Base Wing, APO 953, c/o PM, San Francisco, Calif.
- 2 51 - 52 Comdr, SMAMA, McClellan AFB, Calif. *6th Weu Sq. (20)*
- 1 53 Comdr, ~~2059th Air Weather Wing~~, Tinker AFB, Oklahoma
- 2 54 - 55 Comdr, 1808th AACS Wing, APO 925, c/o PM, San Francisco Calif.
- 2 56 - 57 Comdr, 1810th AACS Group, APO 953, c/o PM, San Francisco Calif.
- 2 58 - 59 Comdr, 11th Air Rescue Squadron, APO 953, c/o PM, San Francisco
- 2 60 - 61 Comdr, Lookout Mountain Laboratory, Hollywood, Calif.
- 1 62 Comdr, Parks Air Force Base, Calif.
- 1 63 Comdr, 2349th Pers Proc Gp, Parks AFB, Calif.
- 1 64 Comdr, Air Defense Command, Ent AFB, Colorado
- 1 65 Comdr, Mobile Air Materiel Area, Alabama
- 1 66 Comdr, Air Proving Ground Command, Eglin AFB, Florida
- 1 67 Comdr, 55th Strat Recon Sq Med Weather, McClellan AFB, California
- 2 68 - 69 Comdr, 57th Weather Recon Sq (Strat), APO 953, c/o PM, San Francisco, California

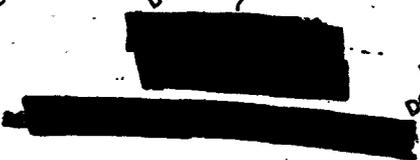
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JOINT TASK FORCE SEVEN AGENCIES

- 10 70 - 79 Comdr, JTF 7, Washington 25, D.C.
- 3 80 - 82 Comdr, TG 7.1 Box 1663, Los Alamos, New Mexico
- 2 83 - 84 Comdr, TG 7.2 APO 187, c/o PM, San Francisco, Calif.
- 2 85 - 86 Comdr, TG 7.3 US Navy Gun Factory, Washington 25, D.C.

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2	87 - 88	Comdr, TG 7.5, Santa Fe Operations Office Albuquerque, New Mexico
1	89	JTF 7, LNO, Travis AFB, California
1	90	JTF 7, LNO, Hickam AFB, Box 440, APO 953, c/o PM, San Francisco, California

DEPARTMENT OF DEFENSE AGENCIES

1	91	Chief, AFSWP, Box 2610, Washington 25, D.C.
1	92	CG, AFSWP, Sandia Base, New Mexico

ARMY AGENCIES

1	93	C/S, U.S. Army, Washington 25, D.C.
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NAVY AGENCIES

1	94	CNO, Washington 25, D.C.
1	95	CINCPAC, Navy #128, c/o FPO, San Francisco, Calif.
1	96	COMWESTSEAFRON, Treasure Island, San Francisco, Calif.
1	97	CO, NAVSTA, Kwajalein, Navy #824, c/o FPO, San Francisco, California
1	98	COMHAWSEAFRON, Navy #128, c/o FPO, San Francisco, California

HEADQUARTERS, TASK GROUP 7.4, PROVISIONAL, UNITS

1	99	Comdr, TG 7.4
1	100	Deputy Commander
1	101	Chief of Staff
5	102-106	Director of Operations
2	107-108	Director of Personnel
5	109-113	Director of Materiel
2	114-115	Comptroller
1	116	Security Officer
1	117	Historian
15	118-132	Adjutant

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Annex A

In 5 pages w/1 Appendix
consisting of 3 pages

ANNEX A

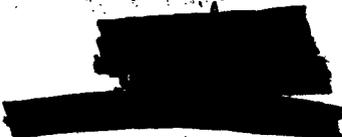
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INTELLIGENCE

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INTELLIGENCE

HEADQUARTERS
TASK GROUP 7.4, PROVISIONAL
Kirtland Air Force Base, New Mexico
15 August 1953, 1800 T

- Chart References:
- a. U.S. Navy Hydrographic Chart No. 5203, North Pacific Ocean, Marshall Islands.
 - b. U.S. Navy Hydrographic Chart No. 6032, North Pacific Ocean, Marshall Islands - Northern Part, BIKINI ATOLL.
 - c. U.S. Navy Hydrographic Chart No. 6033, Marshall Islands, ENIWETOK ATOLL.
 - d. U.S. Navy Hydrographic Chart No. 6709, Great Circle Distances and Azimuths from ENIWETOK ATOLL.

1. INTELLIGENCE SUMMARY

a. Summary of Enemy Situation: (subject to continual revision).

- (1) The world political situation as of 15 August 1953 shows a general picture of widespread political unrest in the following areas:
 - (a) The undeclared war in Korea between the Red Chinese and the UN forces has ended since the signing of a truce agreement. Peace talks are continuing with the Red Chinese government. The process of exchanging prisoners of war, for a long time the stumbling block for a peace settlement, has commenced. Since the death of Stalin, the USSR has adopted an outwardly more conciliatory attitude toward the western world.
 - (b) In Indo-China, the Viet Minh battalions are increasing their warfare against the French government forces.
 - (c) The government in Iran has continued with a growing anti-American and anti-British attitude and shows less ability to cope with the situation. This country is susceptible to further infiltration by Communists.
 - (d) In Argentina, the government is faced by increasing tension as evidenced by bombings and acts of terrorism. The struggle in this area is Peron or anti-Peron rather than Communists.
 - (e) The government of Guatemala is still dominated by Communists and is plagued by continuing

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minor uprising

- (f) In Europe, the progress of a united political unit and a united army continue with uncertain progress.
- (2) Strictly speaking, the world is at peace but it is actually in an indefinable state known as "cold war" in which the forces of the East (Communists) are lined up against those of the West (anti-Communist) and oppose each other openly by every means short of a declaration of war. In maintaining this state of cold war the scientific discovery and application of atomic energy has played an important part in restraining the USSR. The fear of the destructive force of atomic weapons has undoubtedly proved a deterrent to the aggressive attitude of the Soviet government. The USSR is striving by every possible means to increase their technical knowledge and application of atomic energy and thereby increase their potential military force.
- (3) The policy of the Communists (and the USSR) is well known in continuing their efforts for world domination, namely, to apply continued military and political pressure against all non-communistic governments, relaxing only when the attack is futile and transferring the pressure to another area.
- (4) JTF SEVEN should encounter no open enemy in carrying out its mission. Overt action could take place only in case of:
- (a) A sudden declaration of war and attack in force by an enemy power.
 - (b) Hostile action by air or sea on a small scale for the purpose of interfering with the experiment or to gain technical knowledge.
- (5) It may be expected that the USSR and other nations will make a determined and continuing effort to gain knowledge of Operation CASTLE (Restricted, SI) and the atomic experiments and to interfere with them by every means possible, short of operations which would precipitate open hostilities.
- (6) In addition to the danger from espionage, Operation CASTLE (Restricted, SI) is subject to the leak of sensitive information by careless and thoughtless personnel and to leaks through the press and through the mail.
- (7) The nonexistence of an open enemy precludes the need of activity for the purpose of gaining information of the activity of the enemy. At the same time it emphasizes the need for the maximum effort to maintain security. Any effort of the enemy to reconnoiter

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in the area must be countered by all means at the disposal of the Joint Task Force and by requests for information from neighboring commands in Japan and Hawaii.

- (8) The principal intelligence effort must be concentrated in maintaining security. The measures to insure security consist of security drill and training to prevent inadvertent disclosure of information and in preventing unauthorized persons having access to the area as well as the supervision of information which is released to the press.

2. SUMMARY OF ENEMY CAPABILITIES:

a. It is considered that interference with the mission or compromise of its activities could be effected by:

- (1) Espionage: Espionage could be accomplished by the penetration of personnel into the Task Force or the defection of personnel within the Task Force. In addition, espionage could be accomplished by photographic means from ship, aircraft or submarine with the latter two being most plausible. Submarine approach within 1,500 yards or less of important islands of the atoll or overflight by enemy aircraft are possible. By such means periodic photography and observation could record and interpret the progress, process of preparation, types of construction and the approximate time of important operations from the activities within the atoll.
- (2) Sabotage: Sabotage could be accomplished by the penetration of personnel into the Task Force, the defection of personnel within the Task Force or, more remotely, by a raiding party landed from the sea. Subversive action by these means could run along the lines of the destruction of communications and technical installation facilities within the atoll.
- (3) Overt Action by Vessel or Aircraft: Overt action by vessel or aircraft could take the form of attack by bomb, gunfire or assault.
- (4) Raids: Raids could be conducted by aggressive or surreptitious methods under the cover of darkness from combatant ships and submarines. The landing and recovery of raiders by submarine could be accomplished under the conditions of darkness and the confusion resulting from their activities.
- (5) Observation: By overt observation of activities in the area from a vessel immediately outside the three (3) mile limit, a determined ship commander could, in part, compromise the operations.
- (6) Unauthorized Instrumentation: Interference with the mission could be accomplished by electronic countermeasures by a vessel or aircraft operating some

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distance from the area. Compromise could be effected by the surreptitious "planting" of instruments by a landing party and recovered in the same manner after completion of the operation.

- (7) Failure of JTF SEVEN Personnel to Observe Security Precautions: Failure of JTF SEVEN personnel to observe security precautions could easily compromise the mission by their talking or writing indiscriminately about classified information during the planning and operational stages. A lapse in communication security could also reveal vital information. A lackadaisical attitude toward personnel security regulations could ultimately cause physical penetration within the Joint Task Force.

b. It is also considered that interference with the mission would be caused by the declaration or outbreak of war. In this event the position and security of the mission could become untenable and logistically impossible.

c. It is considered that an unfriendly power having an interest in the JTF SEVEN mission would more probably manifest such interest in a covert manner by attempting personnel infiltration or personnel corruption for espionage or sabotage purposes, or by submarine observation for the purpose of obtaining information. It is believed that information as to the operations of JTF SEVEN and the results thereof would be of more practical value to an unfriendly power than hindering or impeding the operation. Overt action involving the use of force, an attack, or direct open observation from a point well in the Danger Area would involve risk of consequence out of proportion to the value of the results to be obtained from such action.

- (1) The country having the greatest capability of executing the above actions, its apparent unfriendly attitude and its interest in the atomic program of the United States is the SOVIET UNION.
- (2) Soviet military capabilities in relation to operations of JTF SEVEN are contained in Appendix 1 to this annex.

3. AREA OF OPERATIONS:

a. ENIWETOK and BIKINI ATOLLS are a part of the Trust Territory of the Pacific Islands, placed under the United States as the administering authority by the Security Council of the United Nations. They are, therefore, subject to the full powers of administration, legislation and jurisdiction of the United States. The trusteeship agreement for the Trust Territory permits the United States to close any of the areas for security reasons.

b. On 2 December 1947, by notification to the United Nations, the U.S. closed the area of the entire ENIWETOK ATOLL and the territorial waters adjacent thereto. On 2 April 1953, BIKINI ATOLL was also closed by notification to the United Nations. Territorial waters are defined as those within a three (3) mile limit on the

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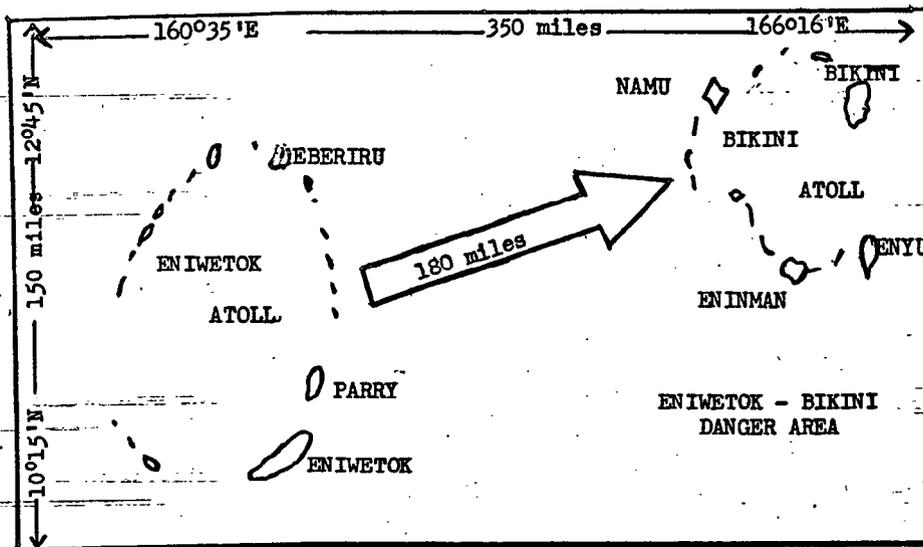
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ocean side of the islands of an atoll and all waters inside an atoll.

c. The State Department, on 13 December 1948, concurred in the establishment for an indefinite period of a danger zone around ENIWETOK ATOLL. Danger area notices were published in air and marine navigational notices and in the press. The State Department notified all foreign governments. It is expected that BIKINI ATOLL will be similarly affected on or about 1 July 1953.

d. The Danger Area for the operation is shown on the following diagram:



1 Appendix:

1 Intelligence Estimate

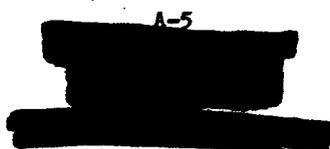
HOWELL M. ESTES, JR.
Brigadier General, U. S. A. F.
Commander

OFFICIAL:

William R. Hanna

WILLIAM R. HANNA
Lt Colonel, USAF
Personnel Security Officer

TASK GROUP 7.4
OPRS ORDER NO. 1-53
ANNEX A



APPENDIX 1
TO
ANNEX A
TO
OPERATIONS ORDER NO. 1-53
INTELLIGENCE ESTIMATE

1. GENERAL SITUATION

a. The atmosphere of tension existing between the U.S. and its allies and the USSR and its satellites stands little chance of diminishing during the next six (6) months. There is a possibility that it may increase as the result of possible further Soviet inspired actions against nations on the geographical fringe of the Soviet bloc.

2. GENERAL SOVIET CAPABILITIES:

a. The armed forces of the USSR are maintained in an advanced state of military readiness. As a result, the Soviets can undertake military aggression with little or no advance warning.

3. SOVIET CAPABILITIES AS APPLIED TO JTF SEVEN:

a. Naval Capabilities: The Soviets have twenty-one (21) ocean patrol and thirty-seven (37) medium range type submarines in the Pacific Ocean area. Because of endurance limitations of the medium range type, it is believed that the ocean patrol type would be the better for operations in the ENIWETOK and BIKINI areas. It is estimated that at least four (4) to six (6) ocean patrol submarines could be maintained on station in the ENIWETOK-BIKINI area indefinitely and for short periods this number could be increased.

b. Air Capabilities:

- (1) Aerial photo and radiological reconnaissance of the ENIWETOK-BIKINI area from Far East bases (Sakhalin or the Kuriles) is within Soviet capabilities. Without refueling, the TU-4, modified for long range reconnaissance, could remain in the target area for only a brief period, making necessary prior Soviet access to GASTLE (Restricted, SI) plans to permit proper timing of reconnaissance flights. Assuming that the Soviets have developed techniques equal to the U. S., one outbound refueling would extend the time over the target area to over four (4) hours. There is no evidence, however, that the Soviets have developed refueling capabilities. The Third Long Range Air Force, stationed in the Far East, is presently re-equipping with TU-4's. It is estimated that its current TO/E strength for TU-4's is approximately one hundred (100). No TU-4's are known to be modified for long range reconnaissance.
- (2) The only Soviet aircraft known to have greater range potentialities than the TU-4 is the Type 31 prototype heavy bomber which was observed in flight for the first and only time to date in the July 1951 Aviation Day air show in Moscow. If equipped with the JU-022 turboprop engine, the Type 31 would have a

combat radius of about 3,500 nautical miles and considerably in excess of this if the combat load were replaced with fuel. There is no evidence yet that either this aircraft or the JU-022 engines are in series production and present estimates are that a heavy bomber will not appear in Soviet operational units prior to 1953. It is entirely possible, however, that the Soviets might equip an early model of the Type 31 for photo and radiological reconnaissance if a sufficiently high priority exists for this requirement.

4. EFFECT OF CAPABILITIES ON JTF SEVEN:

a. The capabilities listed in paragraph 3 above make it possible for the Soviets to take the following action against ENIWETOK and BIKINI ATOLLS:

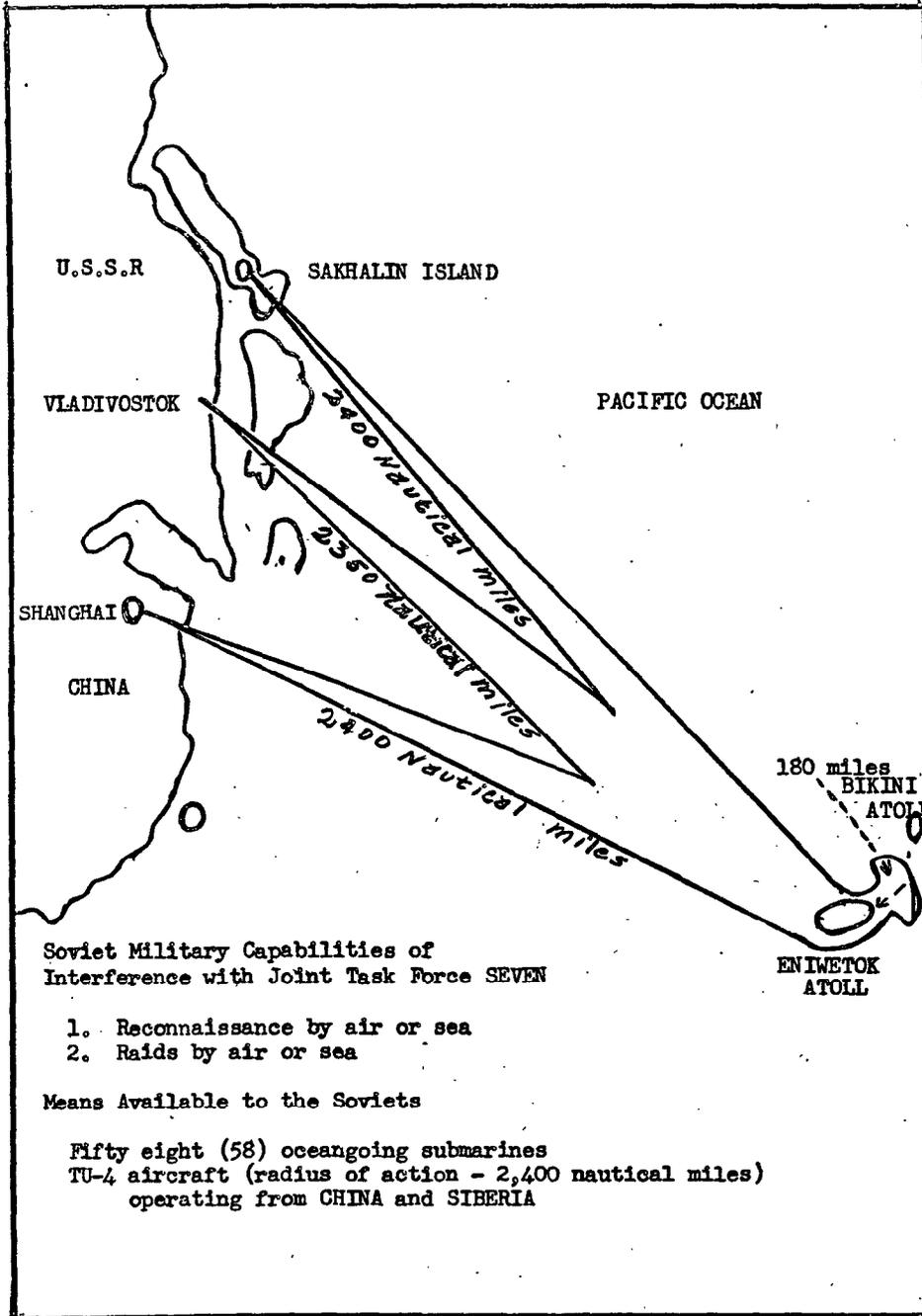
- (1) Submarine reconnaissance.
- (2) Air reconnaissance.
- (3) Ground reconnaissance or sabotage by landing parties from submarines.
- (4) Raids from submarines or surface ships.
- (5) Raids by airplanes.

5. CONCLUSIONS:

a. Capability (1) is considered the most likely to occur under conditions existing today. Capability (2) is a possibility but is less likely and capabilities (3), (4) and (5) could possibly take place in the event of open hostilities between the U. S. and the USSR.

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TASK GROUP 7.4
OPRS ORDER NO. 1-53
ANNEX A, APNDX 1

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ANNEX B

In 2 Pages w/2 Appendices
Consisting of 2 Pages

ANNEX B

TO

OPERATIONS ORDER NO. 1-53

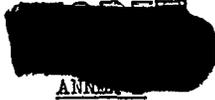
ORGANIZATION AND COMMAND RELATIONSHIPS

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TASK GROUP 7.4
OPRS ORDER NO. 1-53
ANNEX B



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ANNEX
TO

OPERATIONS ORDER NO. 1-53
ORGANIZATION AND COMMAND RELATIONSHIPS

HEADQUARTERS
TASK GROUP 7.4, PROVISIONAL
Kirtland Air Force Base, New Mexico
15 August 1953 1800T

1. ORGANIZATION:

- a. See Appendix 1 for organization prior to on-site phase.
- b. See Appendix 2 for organization during on-site phase.
- c. ~~JTF SEVEN~~ consists of the Joint Task Force Headquarters located at Washington 25, D.C. and the following subordinate task groups:

- (1) Scientific Task Group (TG 7.1) Los Alamos Scientific Laboratory
Los Alamos, New Mexico
- (2) Army Task Group (TG 7.2) ENIWETOK ISLAND, M. I.
- (3) Naval Task Group (TG 7.3) Naval Gun Factory
Washington 25, D.C.
- (4) Air Force Task Group (TG 7.4) Kirtland Air Force Base,
New Mexico
- (5) AEC Base Facilities Task Group (TG 7.5) Santa Fe Operations Office
Albuquerque, New Mexico

2. COMMAND RELATIONSHIPS:

a. The Joint Chiefs of Staff and Headquarters United States Air Force have instructed certain major commands to participate in the execution of the TG 7.4 CASTLE (RESTRICTED, SI) mission as follows: (Reference TWX's AFODC 55253, 24 Dec 52 and AFODC 5991, 23 May 53.)

- (1) Air Research and Development Command:
 - (a) Organize, man, train and equip TG 7.4 Headquarters, the Test Support Unit and the F-84G Sampling Element. This task has been delegated to the Air Force Special Weapons Center, Kirtland Air Force Base, New Mexico.
 - (b) Provide the B-36D effects aircraft. This task has been delegated to the Wright Air Development Center, Wright-Patterson Air Force Base, Ohio.
 - (c) Provide the B-47 effects aircraft. This task has been delegated to the Strategic Air Command.
- (2) Provide the B-36 control and photographic aircraft and the two (2) B-36 high altitude sampler aircraft; trained air crews and maintenance personnel for each.
- (3) Provide a trained air crew and maintenance personnel for the B-36 effects aircraft.

Change #1

(c) Provide the B-47 effects aircraft, a trained aircrew and qualified maintenance personnel to operate and maintain this aircraft. This task has been delegated to WADC, Wright-Patterson AFB, Ohio.

TASK GROUP 7.4
OPRS ORDER NO. 1-53
ANNEX B

B-1



(3) Military Air Transport Service.

(a) Organize, man, train and equip the Test Services Unit and the C-54 documentary photographic element.

(4) Air Materiel Command:

(a) Provide supplies and equipment to TG 7.4 as required.

b. To insure coordination and timely execution of all phases of TG 7.4 CASTLE (RESTRICTED,SI) mission, this headquarters will request that parent commands:

(1) Insure that elements and units are prepared and trained to accomplish their ultimate tasks as outlined in paragraph 3 of this order.

(2) Make available required elements and units for the TG 7.4 full scale dress rehearsal. (See Annex M).

(3) Insure the timely positioning of elements and units in the forward area to meet in-place readiness dates established in Annex M.

(4) Submit to this headquarters final overseas movement requirements for TG 7.4 elements prior to 15 October 1953.

Change #1
c. ~~This headquarters will request the appropriate parent command to transport certain device components from the Z1 to the forward area upon direction of Comdr JTF SEVEN.~~

d. This headquarters will request the Air Force Special Weapons Center to prepare all F-84G aircraft for movement to the forward area aboard the CVE upon direction of Comdr JTF SEVEN.

e. This headquarters will maintain close liaison with participating parent commands, or their designated agencies, and provide them assistance as required in accomplishment of the TG 7.4 CASTLE (RESTRICTED, SI) mission.

f. Operational control of personnel will remain with parent commands until they arrive at their first TG 7.4 duty station. TG 7.4 will assume operational control of personnel upon arrival at their first TG 7.4 duty station and retain this control until personnel depart from their last TG 7.4 duty station. Parent commands will assume operational control of personnel upon departure from their last TG 7.4 duty station.

HOWELL M. ESTES, JR.
Brigadier General, U. S. A. F.
Commander

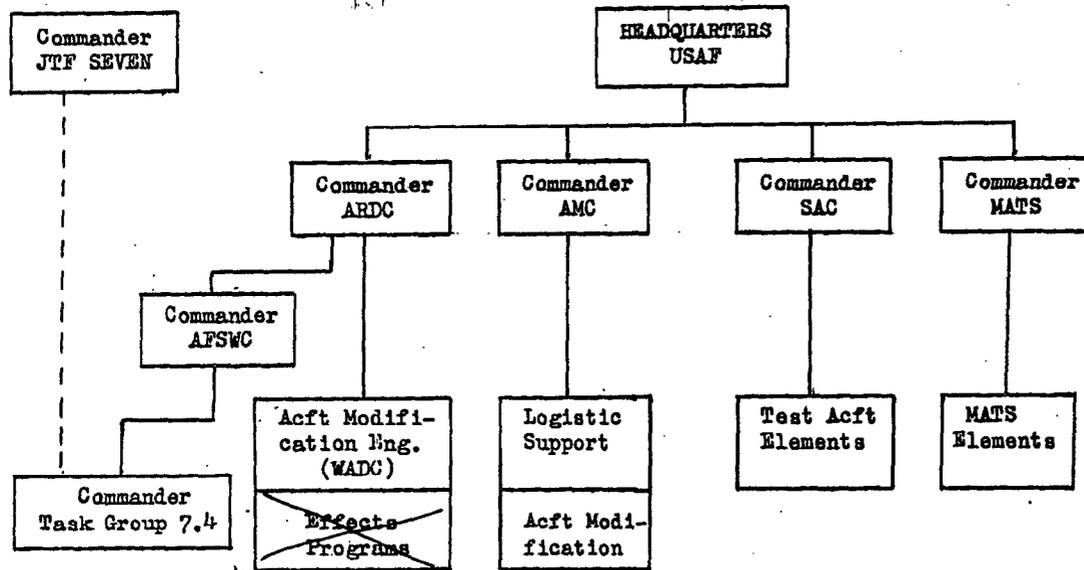
2 Appendices:

- 1 - Orgn for Opr CASTLE (R,SI)
(Prior to On-Site Phase)
- 2 - Orgn for Opr CASTLE (R,SI)
(On-Site Phase)

OFFICIAL:

Harry B. Allen
HARRY B. ALLEN
Lt. Colonel, USAF
Director of Operations

ORGANIZATION FOR OPERATION CASTLE (RESTRICTED, S.I.)
(Prior to On-site Phase)



_____: Command
 - - - - -: Operational Control for
 planning and coordinating

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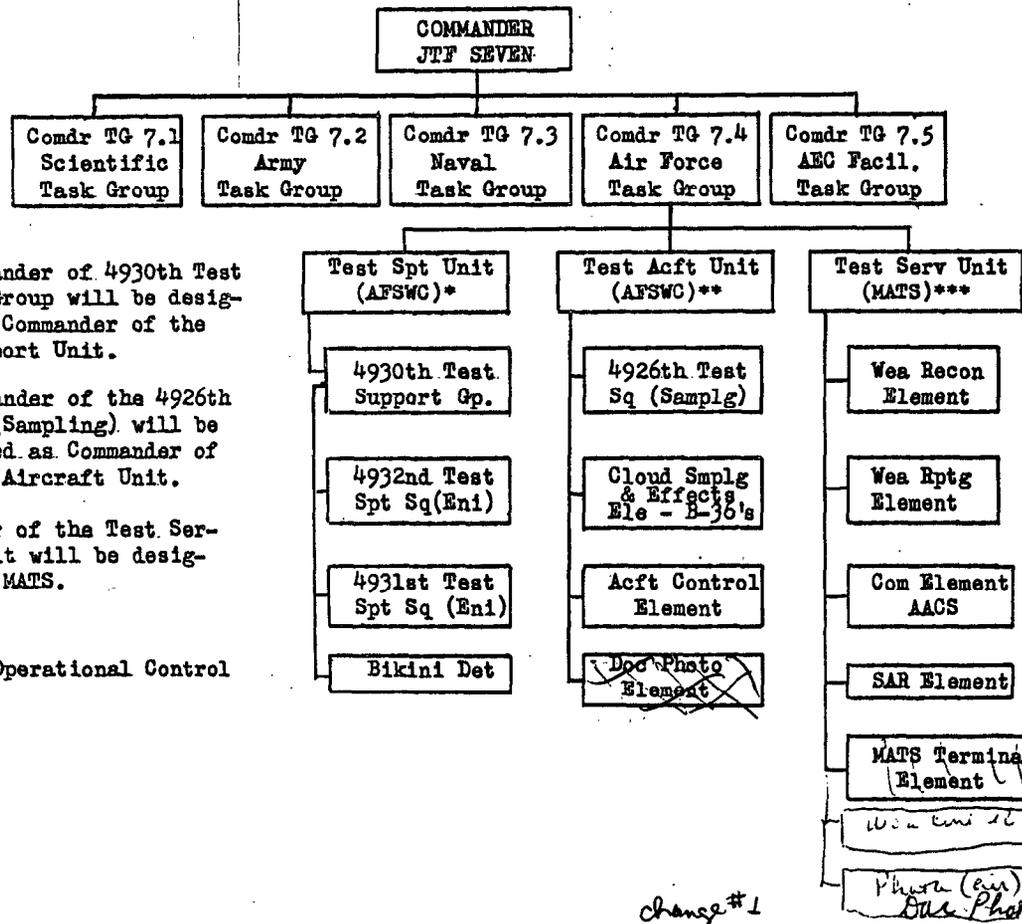
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TASK GROUP 7.4
 OPFS ORDER NO. 1-53
 ANNEX B, AFNDX 1

ORGANIZATION FOR OPERATION CASTLE (RESTRICTED, S. I.)
(On-site Phase)



*The Commander of 4930th Test Support Group will be designated as Commander of the Test Support Unit.

**The Commander of the 4926th Test Sq (Sampling) will be designated as Commander of the Test Aircraft Unit.

***Commander of the Test Services Unit will be designated by MATS.

_____ : Operational Control

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TASK GROUP 7.4
OPDS ORDER NO. 1-53
ANNEX F, AFNDX 2

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ANNEX C

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DOD DIR 5200.10

In 3 pages w/3 Appen-
dices consisting of 41
pages

ANNEX C

TO

OPERATIONS ORDER NO. 1-53

ADMINISTRATION

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TASK GROUP 7.4
OPRS ORDER NO. 1-53
ANNEX C



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TO
OPERATIONS ORDER 1-53
ADMINISTRATION

HEADQUARTERS
TASK GROUP 7.4, PROVISIONAL
Kirtland Air Force Base, New Mexico
15 August 1953, 1800T

1. GENERAL RESPONSIBILITIES:

a. Prior to the arrival in the operating area, all units attached to TG 7.4 will receive administrative and logistical support from those ZI and overseas agencies that are normally responsible therefor. This support will include those requirements that are incident to the organization, manning, equipping and training of all units concerned.

b. Upon arrival in the operating area, all elements of TG 7.4 based on ENIWETOK ATOLL, will receive general administrative and logistical support from TG 7.4 and the Test Support Unit.

c. TG 7.1 will provide technical advice on restricted material and will assist in radiological safety measures for TG 7.4 throughout the operation.

2. SUPPLY:

Units of TG 7.4 will receive supplies in accordance with procedures outlined in AF Manual 67-1 and pertinent TG 7.4 Memoranda. Detailed information concerning the methods of supply, supply levels and accounting procedures are contained in Appendix 1 (Supply), and attachments thereto.

3. TRANSPORTATION:

Land, sea and air transportation will be furnished to units of TG 7.4 in accordance with procedures laid down in Appendix 2 (TRANSPORTATION).

4. CONSTRUCTION:

JTF SEVEN is responsible for coordinating all requests for construction on ENIWETOK. Air Force requests for such construction will be submitted to Comdr, JTF SEVEN thru Comdr, TG 7.4.

5. SALVAGE, REPAIR, MAINTENANCE, AND EVACUATION OF MATERIEL AND MATERIALS:

a. Maintenance:

- (1) All units and elements of TG 7.4 will be capable of performing organizational and field maintenance on assigned aircraft in accordance with the provisions of USAF message AFODC 56991, dated 23 May 1953, addressed to major commands concerned. The commands

TASK GROUP 7.4
OPRS ORDER NO. 1-53
ANNEX C

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furnishing aircraft (except WADC) to units and elements of TG 7.4, will furnish maintenance personnel in accordance with the foregoing cited USAF message.

- 3500 New York
- (2) The Test Support Unit will provide field maintenance facilities for all units and elements of TG 7.4.
- (3) TG 7.2 will provide normal base maintenance and repair services on all general and AF special purpose equipment. The Test Support Unit will furnish necessary personnel to augment TG 7.2 in repair and services of AF special purpose equipment.
- (4) Material damaged beyond the repair capacity of the maintenance facilities will be reported to the Director of Materiel, TG 7.4 for further disposition instructions.

b. Salvage

- (1) JTF SEVEN has designated Comdr, TG 7.4 as an "Installations Commander" within the meaning of AF Manual 67-1 and AF 735-10 for the purpose of appointing a surveying officer for lost, damaged or destroyed property. Units will submit Reports of Survey to Headquarters, TG 7.4.
- (2) A periodic review will be made by all unit commanders of the major items of property held by all units to determine whether property is no longer required for the operation. Requests for the return of such property to the ZI will be submitted to the Director of Materiel, TG 7.4.
- (3) All salvage generated thru fair wear and tear and by the operation itself will be collected, inspected, segregated and reported to the Test Support Unit, Base Accountable Officer at ENIWETOK for disposal under the provisions of SR 755-605.
- (4) Radiologically contaminated items will be inspected by Technical Inspectors appointed by the Comdr, TG 7.4. Duly authorized Technical Inspectors will certify the destruction, disposal or unserviceability of contaminated items. All units of TG 7.4 having property and equipment installed or in use in contaminated areas, will maintain specific identification records of these items, and will match the Technical Inspectors' certificates with such records and initiate prompt action to drop such items which may be contaminated for regular use. These items will be so processed only upon certification of authorized Technical Inspectors.

6. PERSONNEL AND ADMINISTRATION:

The Comdr, TG 7.4 will administer Task Units and other Elements of his command in accordance with procedures laid down in

TASK GROUP 7.4
OPRS ORDER NO. 1-53
ANNEX C

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Appendix 3 (Personnel) to this Annex.

7. LOGISTICAL AND OTHER ADMINISTRATIVE REPORTS.

Reports will be submitted as directed by Comdr, TG 7.4 as the need arises.

8. MISCELLANEOUS:

a. Limitations on Unit and Personal Equipment - Allowances for unit and personal equipment will be as indicated in current POM instructions contained in AFR 75-37 or as indicated in individual movement orders for each shipment.

b. Special Instructions for Marking Equipment and Shipments
All equipment and shipments will be marked in accordance with instructions issued by Headquarters, JTF SEVEN, as contained in Appendix 2, attached hereto.

c. Roll-up - Upon instructions received from Headquarters, JTF SEVEN, and Headquarters, AMC, Comdr, TG 7.4, will issue approved Roll-up plans and schedules to all units of TG 7.4.

HOWELL M. ESTES JR.
Brigadier General, U. S. A. F.
Commander

APPENDICES:

1. Supply
2. Transportation
3. Personnel & Administration

OFFICIAL:


RAY M. HAWLEY
Colonel, USAF
Director of Materiel

TASK GROUP 7.4
OPRS ORDER NO. 1-53
ANNEX C.

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C-3

APPENDIX 1
TO
ANNEX C
OPERATIONS ORDER NO. 1-53
SUPPLY

1. ALLOCATION OF RESPONSIBILITIES:

a. TG 7.2 -- Comdr, TG 7.2 will furnish housekeeping supply support to all units housed and operating at ENIWETOK, augmented by service personnel from TG 7.4. This support will include billeting, messing, commissary, laundry, salvage, POL tank farm, general purpose vehicles, bus transportation, clothing and equipment repair, billeting supplies, PX and sales store.

b. Air Materiel Command -- AMC will furnish supplies and equipment to TG 7.4 as indicated in letter, Headquarters AMC, subject: "Supply Support Plan for JTF SEVEN", dated 29 July 1953. (See Attachment A).

c. 4930th Test Support Group -- 4930th Test Support Group operates AF 2272 SO Base Supply at ENIWETOK to furnish supply support to TG 7.4 units and AF supplies to all elements of JTF SEVEN housed and operating therefrom.

2. METHODS OF SUPPLY:

a. In the ZI -- To meet the ZI requirements for organizing, manning, equipping and training of TG 7.4 units, supply procedures will be as outlined in paragraph 3, letter, Headquarters AMC, subject: "Supply Support Plan for JTF SEVEN", dated 29 July 1953. (See Attachment A).

b. Overseas Requirements -- Initial supply action for those supplies and equipment required in the overseas operational areas by all units of TG 7.4 will be as indicated in accordance with procedures outlined in paragraph 4 of letter, Headquarters AMC, subject: "Supply Support Plan for JTF SEVEN", dated 29 July 1953. (See Attachment A).
*except SMC E1
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(1) Each unit and separate element of TG 7.4, except the SAC Element, Documentary Photo Element (MATS) and Search and Rescue Element (MATS) not presently in place at ENIWETOK, will prepare consolidated listings of all supplies and equipment to include organizational and field maintenance spares required to be in place in the format of TG 7.4 form, DCS/Materiel I (Attachment B) and submit four (4) copies to TG 7.4 Director of Materiel.

Change # 1

(a) SAC Elements will take a sixty (60) day flyaway kit in organization aircraft to the forward area. Resupply in support of SAC aircraft will be the responsibility of SAC.

(b) The Documentary Photo Element (MATS) will bring 120 day flyaway kit of aircraft spares with emergency resupply from AF 714 SO, Hickam Air Force Base.

(c) The Search and Rescue Element (MATS) will bring a thirty (3) day flyaway kit of aircraft spares with resupply from AF 714 SO, Hickam Air Force Base through the MATS Service Stock at KWAJALEIN.

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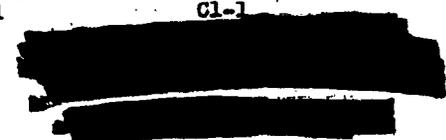
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TASK GROUP 7.4
OPRS ORDER NO. 1-53
ANNEX C, APNDX 1

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(d) Submit three (3) copies of requirements lists to TG 7.4, Liaison Officer, SMAMA, who will initiate requisitioning thru SMAMA for direct shipment to AF 2272 SO.

(5) TG 7.4, Director of Materiel, in reviewing requirements lists submitted by units may reduce overall requirements for major items of equipment by directing joint use of such items among participating units or elements.

(a) The provisions of USAF message, AFODC 56991, requiring participating units to furnish unit equipment to the maximum extent must be observed.

(4) Augmented requirements for units presently based at ENIWETOK will be obtained by the unit's direct request on AF 2272 SO who will submit priority code #6 requisitions to TG 7.4, Liaison Officer, SMAMA, under authority of this paragraph. Exception to this subparagraph will be field maintenance equipment requirements which will be determined by TG 7.4, Director of Materiel, and submitted in accordance with 2 b (1) above.

(5) Fixed communications equipment requirements will be prepared by AACS activities, forwarded thru AACS Headquarters for engineering review in accordance with AFR 100-46, and submitted to TG 7.4, Director of Materiel, for supply action. TG 7.4, Director of Materiel in conjunction with TG 7.4, Communications Section, will screen the bill of materials in accordance with paragraph 2 b (2) (c) above, indicating and earmarking available items, then hand-carry the bill of materials thru Director of Communications, Headquarters USAF, for approval in accordance with paragraph 12, AFR 100-46, to Rome Air Force Base, New York, for Headquarters AMC supply review in accordance with paragraph 9 e, AFR 100-46. Approved bill of materials will then be submitted direct to SMAMA for requisitioning action.

c. In the Operational Area:

(1) Supplies and services furnished by TG 7.2 will be obtained in accordance with directives issued by TG 7.2.

(2) In order to expedite the issue of Air Force supplies to the using activities of TG 7.4, over-the-counter issues of expendable property direct from AF 2272 SO warehouses is authorized using AF Form 81A, Daily Recap of Issues. All other supply procedures will be in accordance with AFM 67-1.

(3) Stock replenishment requisitions or emergency requests will be submitted by AF 2272 SO to SMAMA, through TG 7.4 Liaison Officer for supply action for all organizations except the SAC Element, the Documentary Photo Element (MATS) and the Search and Rescue Element (MATS).

(a) Resupply for SAC Element requirements will be the responsibility of SAC.

(b) Resupply of the Documentary Photo Element (MATS) will be the responsibility of the Comdr, Test Services Unit, Provisional, through AF 714 SO, Hickam Air Force Base.

(c) Resupply of the Search and Rescue Element (MATS) will be the responsibility of the Comdr, Test Services Unit, Provisional, through AF 714 SO, Hickam Air Force Base, and the MATS Service Stock at KWAJALEIN.

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ANNEX C, APPENDIX 1: (Page C1-1)

2. METHODS OF SUPPLY:

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Change #1

- [REDACTED]
- (5) Loan of property by AF 2272 SO to JTF SEVEN or to other Task Groups is authorized in accordance with JTF SEVEN, Operations Order 1-53. Headquarters, JTF SEVEN and each Task Group will designate one responsible officer as the officer to whom such issues will be made.

3. SUPPLIES TO ACCOMPANY TROOPS:

change #1

a. Supplies and equipment to accompany units to the operational site will, in general, include individual equipment as specified in the movement order and spares and organizational equipment required enroute and for immediate use upon arrival for all units except the SAC Element, the Documentary Photo Element (MATS), (see paragraph 2b(1)(a), (b) and (c)). Such supplies and equipment will be carried in unit aircraft or shipped as TAT in accordance with AFM 75-37 (POM) and Appendix 2, Annex C, and/or SAC, Mobility Plan.

b. Other organizational equipment furnished by the unit in accordance with paragraph 2b(2)(f) above, will be marked and shipped in accordance with AFM 75-37 and Appendix 2, Annex C.

4. SUPPLY LEVELS:

a. Levels of all classes of supply except POL are established as five (5) months. Aviation and motor vehicle fuel and oil will be available at the operational site based on requirements submitted by TG 7.4 to JTF SEVEN. Specialized lubricants, greases, etc., will be obtained in accordance with paragraph 2 b above.

5. WEATHER ISLAND SUPPLIES:

a. Supplies for outlying weather islands will be obtained in accordance with paragraph 2 above, and shipped to Hickam Air Force Base, T.H., for inclusion in the weather island "packages" now in storage at AF 714 SO. Accountability will be terminated for such property at time of shipment under authority of 1st indorsement, file AFMSS-PC-2, Headquarters USAF, dated 11 April 1952 to letter, Headquarters TG 132.4, subject: "Authority to Terminate Accountability for Supplies and Equipment for Units to be Stationed at Remote Locations", and responsibility established thru maintenance of UPREAL in accordance with Part III, AFM 67-1.

b. Assembled packages will be transported to the operational sites in custody of weather element commanders who will have full responsibility for all property furnished from time of receipt until duly transferred to a supply activity or organization for storage or shipment.

c. POL and subsistence for weather islands will be arranged by JTF SEVEN thru COMSERVPAC, USARPAC, or TG 7.2 as appropriate upon request of TG 7.4, Director of Materiel.

d. Emergency resupply will be effected when necessary by Navy PEM upon request from Comdr, TG 7.4.

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HEADQUARTERS
AIR MATERIAL COMMAND
Wright-Patterson Air Force Base, Ohio

MCSDXB/JVB/eep
29 July 1953

TO SPEED DELIVERY
of your reply, PLEASE
ADDRESS COMMUNICA-
TION to attention of

MCSD

SUBJECT: (U) Supply Support for Joint Task Force 7

TO: ALL CONCERNED

1. The following Hq AMC Directorate of Supply and Services Logistical Plan for the Air Force portion of JTF 7 will apply to all concerned unless otherwise amended or rescinded by Hq AMC.

2. Task Group 7.4 of Joint Task Force 7 is comprised of the following:

- a. Task Group Hq 7.4
- b. Test Support Unit
(The following are components of this Unit: Supply, Maintenance, Operations, Personnel Administration).
- c. Test Aircraft Unit
(The following are components of this Unit: Bomber Operation, Jet Fighter Operation, Photo Operation).
- d. Test Service Unit
(The following are components of this Unit: Weather Stations (four individual islands), AACS, MATS, Traffic Service, Weather Recon, Air Rescue).

3. Zone of Interior Training Requirements.

a. In order to meet Zone of Interior training requirements for Joint Task Force 7 at Kirtland AF Base, all Air Force items will be requisitioned by Kirtland AF Base property accountable supply officer, AF 3 SO, directly upon the applicable Zonal Depot as indicated in AF Manual 67-1, Section II, Part I. Army purchased property will be requisitioned through the appropriate ANA outlined in paragraph 4.7c, Section XXXV, Part I. All Army purchased regulated property will be requisitioned in accordance with paragraph 168, AF Manual 67-1. When clothing sales store items are requisitioned the JTF funds appropriations number will be listed by the requesting activity on the requisitioning document. This will enable the Comptroller at Hq AMC to obtain reimbursement to the stock fund.

TASK GROUP 7.4
OPRS ORDER NO. 1-53
ANNEX C ARNDY I ATTCHMT A

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b. All units training at bases other than Kirtland AF Base will requisition training requirements in like manner at the base where training is being conducted.

4. Overseas Requirements

a. Overseas Shipment Control, AF 8503, SMAMA, McClellan Air Force Base, Sacramento, California, is the designated monitoring activity for overseas requirements for the operation in accordance with the overseas requisitioning shipping case and item control procedures. Reports of water shipments will be accomplished in prescribed manner by SFPOE. Necessary coordination will be made by the JTF 7 Liaison Officer, Naval Supply Center, Oakland, California, with PAMO, located at Building 1, Oakland Army Base, Oakland, California.

b. When initial supply action for the overseas destination is desired, D/M Section of TG 7.4 will submit to AF 8503, SMAMA, Attn: SMSSCB1, through Logistics Liaison Officer, separate consolidated lists of requirements by individual property class, including nomenclature and stock number and by each technical service for technical service items for each unit engaged in the operation. Lists will be submitted to AF 8503, SMAMA, by cover letter in four copies, or a request will be submitted by letter for initial automatic supply tables by the D/M Section of TG 7.4 indicating complete shipping and marking instructions for separate requirements such as aircraft spares, communications equipment and/or special lists of miscellaneous equipment or supplies, and indicate the provisional unit for which the requirements are applicable.

c. A separate 50 series overseas requisition number will be assigned to each consolidated list of equipment or supply table by AF 8503, SMAMA. Project Code 28 will apply. When a requirements list is submitted to AF 8503, SMAMA, items will be screened for correctness of stock number, nomenclature, and/or substitutions. Immediately upon completion of screening action, AF 8503, SMAMA, will extract requests to appropriate Zonal Depots for supply action. Hq AMC and/or Prime Depot regulated items will be extracted to appropriate Hq AMC or Prime Depot property classes.

d. AF 8503, SMAMA, will be responsible for extracting requisitions for technical services items under mechanized procedures to the appropriate Prime or Zonal Stock Control Point, who will be the responsible agency for supply of the item. Where the item is not available in AF storage the Stock Control Point will prepare AF Form 104C in accordance with paragraph 11, Part I, AFM 67-1, for those items to be extracted to Department of the Army. AF Form 104C will include the 7 digit requisition number and item number in the "Mark For" space. Report of supply status will indicate "I". Consignor block will contain the applicable reference code assigned, to the Department of the Army Depot as outlined in Supplement I to Interim Procedure Number 210 to AFM 67-1. A copy of the AF Form 104C stamped "Status File Copy" will be forwarded by air mail to AF 8503, SMAMA, Overseas Shipment Control Depot. Upon receipt of 104C information copy, AF 8503, SMAMA, will be responsible for follow-up action direct to Department of the Army source. Complete information will be included in the follow-up as indicated in the copy of the AF Form 104C.

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Requisitions for Regulated Army Purchased items will be rerouted to the appropriate Prime Stock Control Point in accordance with paragraph 168, AFM 67-1.

e. All items appearing on lists submitted by the D/M Section of TG 7.4, which cannot be identified or substituted at AF 8503, will be referred to the TG 7.4 Logistics Liaison Officer, SMAMA, McClellan AFB, Sacramento, California, who will be responsible for submitting corrected information directly to AF 8503, SMAMA. The D/M Section of TG 7.4, while in the Zone of Interior, will requisition from AF 8503, SMAMA, through the TG 7.4 Logistics Liaison Officer any additional requirements for direct shipment to the overseas location.

f. All water shipments for JTF 7 will be directed to the Freight Terminal Department, (FTD), Building 222, Naval Supply Center, Oakland, California, (POE Code "U"). Major O'Donnell, Twin Oaks 34224, Extension 264, has been designated Liaison Officer for JTF 7 at the Naval Supply Center. Explosives, ammunition, Jato units, etc., will be shipped direct to Receiving Officer, U. S. Naval Magazine, Port Chicago, California, for FTD, Naval Supply Center, Oakland, California.

g. TG 7.4 air shipments will be shipped to Transportation Officer, SMAMA, McClellan AFB, California, who will obtain the air movement designator and release from the JTF 7 Liaison Officer, Travis AFB, California, with the following information: Type of material (general form), weight and cube, dimensions and shipment identification and requisition number. AOCF shipments will be handled in the same manner except that the TG 7.4 Logistics Liaison Officer at SMAMA will be given advance notice of the shipment of AOCF items by priority teletype.

h. Marking instructions are as follows: All containers will be marked in accordance with AFM 67-1, AFM 75-4, and JTF 7 SOP 75-1. Overseas address will be furnished with each requisition and will be specified in extraction messages. Care will be taken to include marking instructions on all re-extractions. Markings will not at any time include reference to project title, nor will shipping documents bear reference to project title. AF 8503, SMAMA, will forward weekly to all AMAs a list of new requisitions initiated with corresponding overseas markings.

i. Overseas Shipment Control, AF 8503, will monitor all requisitions for JTF 7 for shipment to overseas account number AF 2272.

j. Mrs. Konya, Office Symbol SMSSCBI, Telephone Extension 21188 or 7227, has been designated project monitor for JTF 7 at AF 8503, SMAMA, Overseas Shipment Control. Automatic follow-up will be initiated every thirty days and additional follow-ups as determined by project monitor.

k. The following information will be furnished by SMAMA project monitor to D/M Section of TG 7.4 through Logistics Liaison Officer at SMAMA:

- (1) Shortage listings and special follow-ups will be initiated thirty days prior to Port Deadline Date.

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- [REDACTED]
- (2) Second shortage listing will be prepared ten days prior to Port Deadline Date.
 - (3) Semi-monthly percentage report as of 15th and last day of each month will be furnished for each requisition.

1. One priced copy of each shipping document will be forwarded by the consignor to Commander, TG 7.4, Kirtland AFB, New Mexico, Attention: Comptroller.

m. AF 2272 SO will upon receipt of initial requirements for JTF 7, submit any additional requisitions for the support of this special operation through TG 7.4 Logistics Liaison Officer, to Overseas Shipment Control at SMAMA for processing.

n. The fund appropriation number for effecting reimbursement for the clothing sales store items will be furnished by the TG 7.4 Logistics Liaison Officer at SMAMA when required; AF 8503, SMAMA, will be responsible for disseminating such information to supplying depots. Local Purchase action will be initiated at AF 8503, SMAMA, for all requirements coded Local Purchase in stock list from funds to be made available to SMAMA.

o. All items coded LM will be locally manufactured by the appropriate Western Zonal Depot.

p. Headquarters and Prime Depot regulated items will have had command approval by TG 7.4 prior to submission to SMAMA as project requirements under command authority of Hq USAF message AFODC 56991, dated 23 May 1953 (SECRET). Regulating activities and supplying depots will not IND such items for this justification.

q. Requirements for Fixed Communications Installation will be prepared in accordance with AFR 100-46; Hq AACS will be the Engineering review agency. After supply approval, bills of material will be submitted to AF 8503 for requisitioning action in accordance with this letter.

5. All material that is required to be airlifted will be submitted under overseas requisition Code 6 to insure S-2 Supply Priority. Material assigned S-2 priority (Code 6) for which water shipment can be utilized will be coded to be shipped by water. All requests or extracts for JTF SEVEN will contain a statement - "Items or extracts for JTF SEVEN". This statement is mandatory to identify the requests for cost purposes and to insure priority handling.

6. In accordance with Hq USAF OPU 53-12, a Precedence of VII-3 is currently established for JTF 7. Precedence changes will be disseminated by teletype from AF 8503, SMAMA, to all activities as they occur. When individual required items prove not available for delivery, prior to deadline date due to insufficient precedence, Hq AMC, MCSDXB, on certification by TG 7.4 D/M that item is essential to the mission will request deviation from established precedence for those items from Hq USAF furnishing the following information:

- a. Stock position.
- b. Anticipated delivery schedules.

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- c. Back orders on hand with precedence information.
- d. Any other pertinent information.

7. Within Hq AMC, Mr. J. V. Borgert, Office Symbol MCSDXB, Extension 67308, has been designated AMC Directorate of Supply and Services project monitor this Task Force.

8. Completion of JTF 7. Upon completion of JTF 7, all service-able property for which the accountability is not transferred to a special organization returning to the Zone of Interior, if not required for interim operations or future projects will be returned to the Zone of Interior in accordance with T. O. 00-35A-1 and T. O. 00-25-11 unless otherwise directed. Coordination will be effected through AF 8503, SMAMA, for shipment against FEAF back orders. Extreme care will be exercised to insure that property returned to the Supply system as outlined above is not radiologically contaminated.

E. C. KLEIN
Colonel, USAF
Chief, Materiel Control Division
Directorate of Supply & Services

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Instructions for completing this Form:

Item: TO & E: Indicate TO&E unit is authorized and operating under; if not operating under TO&E, indicate none.

Item: T/A : Indicate T/A unit is authorized and operating under; if not operating under T/A, indicate none.

Column 1 : Item No. Items will be numbered consecutively, 1,2,3,4,5, etc. Double space all entries and use separate forms for each class of property requested.

Column 2 : Stock Number. Class Code and Serial Number of item desired will be entered in this column. If item has also been assigned an AF number, as in the case of many Signal items, the AF stock number will be indicated; current stock lists only will be utilized.

Column 3 : Nomenclature. Nomenclature will be brief as possible, utilizing only the noun whenever possible; however, type designations should be indicated (Example: Jacket, Flying type -- B-15).

Column 4 : Unit of Issue.

Column 5 : Quantity Authorized by TO&E --T/A. Quantities authorized by TO&E and/or T/A will be indicated in this column, if not authorized under TO&E and/or T/A, leave blank.

Column 6 : Quantity on Hand and serviceable. Quantities of items on hand and serviceable and available for movement to the forward area will be indicated in this column. It is emphasized that items authorized by TO&E and/or T/A will be taken into consideration and deducted from total over-all requirements. It is intended that serviceable equipment in the hands of participating units will be utilized in the performance of their mission at the operational site.

Column 7 : Quantity required. Quantities required to be obtained for the unit participating in the operation will be indicated in this column.

Column 8 : Remarks -- This column will indicate acceptable suitable substitute to be issued in case basic item requested is not available. If a substitute cannot be utilized, it will be so indicated. This column will also indicate justification for Non-Stock listed items. When non-stock listed items are required, complete justification therefor will be shown in this column. When non-stock listed items are requested it is necessary that column indicate complete descriptive nomenclature and intended use.

Note: In determining date required at port, a period of 45 days will be considered normal shipping time to receive items at operational site. Thus, if items are required at operational site on 15 August, the "date required at port" will be 1 July.

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TO&E _____

Task Group 7.4

RCS: _____

UNIT _____ Required at _____ Date items required at Port _____ Page _____ of _____

MARKED FOR _____ PROPERTY CLASS _____

1	2		3	4	5	6	7	8
Item No.	Class Code	Serial Number	Nomenclature or Noun	Unit of Issue	No. Auth.	No. On Hand	No. Required	Remarks

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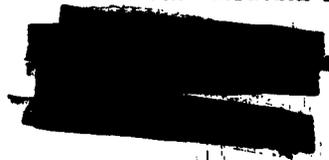
"I certify that the foregoing lists of materiel and/or equipment will be required by this Organization to perform its mission, and that all authorized serviceable material and/or equipment within this organization has been taken into consideration in compiling these requirements."

NAME _____ RANK _____

TITLE _____

PHONE NO. _____ EXT. _____

TASK GROUP 7.4
OPRS ORDER NO. 1-53
ANNEX C, APNDX 1, ATCHMT B

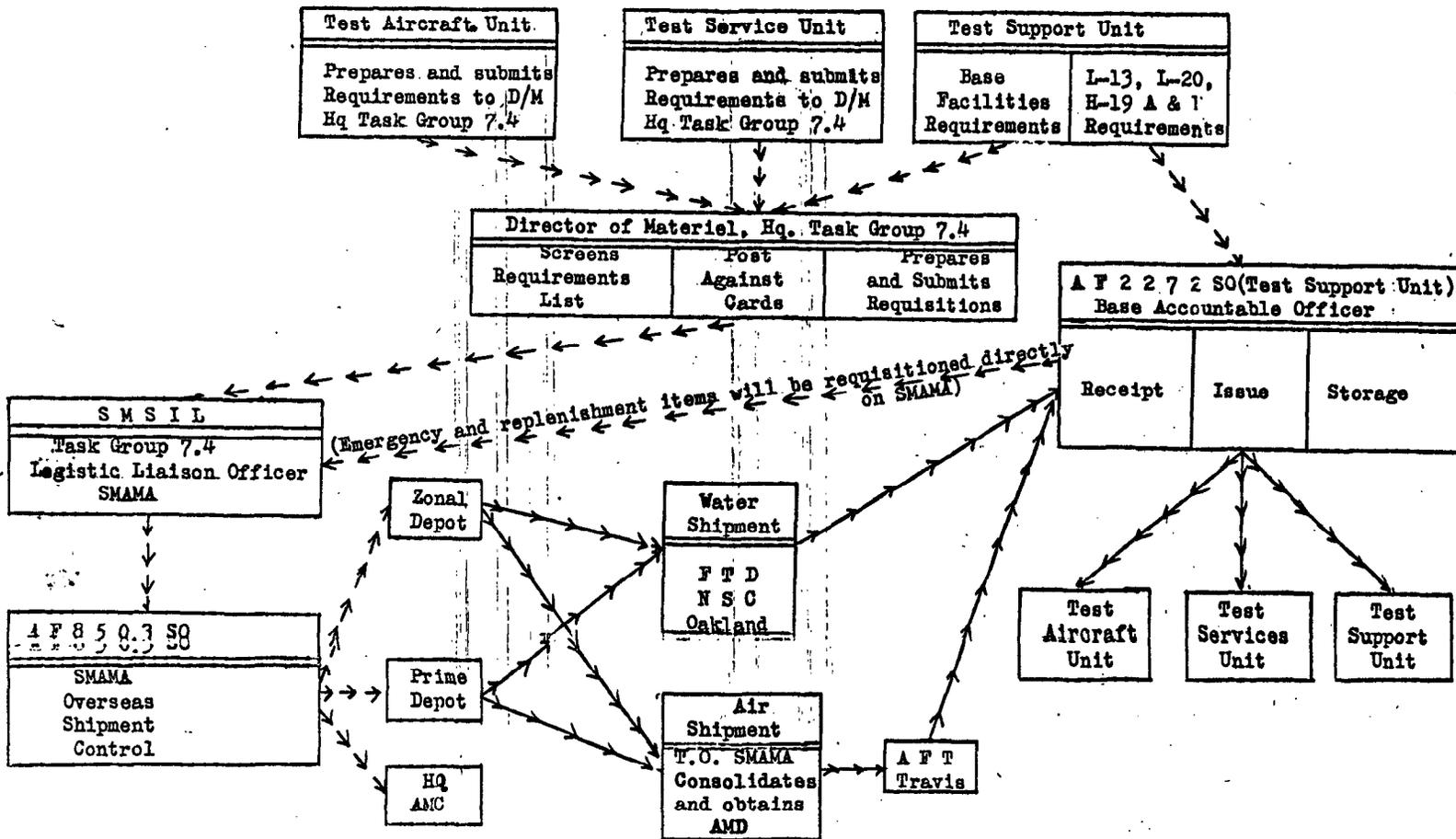


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FLOW OF SUPPLIES

DOD DIR 5200.10



LEGEND: → ACTUAL FLOW → REQUISITIONING & COORDINATION

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CIC-1

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AFM 75-37

MATS 76-1

JTF 7 - SOP 75-1, Dated July ~~1953~~ 1955

d. Domestic Addresses:

(1) Shipments being sent to ports of embarkation will bear the addresses appearing below:

(a) Surface Shipments

Freight Terminal Dept (Approved Abbreviation
Naval Supply Center FTD)
Oakland, California

(b) Air Shipments

Transportation Officer
Sacramento Air Materiel Area
McClellan Air Force Base, California

(2) Explosives, small arms, JATO units will be addressed:

(a) Receiving Officer

U. S. Naval Magazine
Port Chicago, California

For

FTD
Naval Supply Center
Oakland, California

2. SHIPPING DESIGNATORS:

a. Shipping designators, when used in overseas addresses, constitute the first part of the shipping address by which supplies, other than those included in troop movement orders, are shipped overseas.

b. Shipping designators to be used for unclassified shipments of equipment and supplies being shipped in support of Joint Task Force and TG 7.4 are as follows:

ENIWETOK	FOGS
KUSAIE	LAZY
MAJURO	IAIT
RONGERIK	BODY
BIKINI	IJUR
PONAPE	BUSH



TASK GROUP 7.4
OPRS ORDER NO. 1-53
ANNEX C, APNDX 2


APPENDIX 2
TO
ANNEX C
OPERATIONS ORDER 1-53
TRANSPORTATION

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DOD DIR 5200.101. GENERAL:

a. Purpose and Scope: The procedure prescribed herein, including security instructions, is to be followed by Air Force agencies in the marking of overseas supply shipments for TG 7.4 to insure an efficient uninterrupted flow of supplies to proper overseas consignees. The marking of organizational impedimenta shipped by depots and from home stations is covered in paragraph 5.

b. Marking at Supply and/or Manufacture Sources:

(1) Requisitions for supplies emanating from Task Units and this Headquarters will indicate the exact coded overseas address to be placed on all shipments. Geographical names, unit designations, station numbers, troops, bases, names of overseas personnel, or classified information will not appear on the requisition proper. Such classified information as is necessary for proper editing will be placed on a separate cover sheet which also will bear the names of requesting approving officers. The cover sheet will be classified appropriately in accordance with the information contained on both the requisitions and the cover sheet.

(2) It is the responsibility of all organizations and agencies issuing shipping orders or preparing requisitions, to provide correct markings which will permit ready identification of all shipments. Domestic and overseas addresses as prescribed on shipping orders and requisitions will not be changed by shippers.

c. Governing Publications: Shipments to water and aerial ports of embarkation for overseas destinations will be made in accordance with instructions contained in this order and current applicable publications:

SR 55-720-3

SR 55-730-10

SR 715-55-5

SR 746-30-5

TM 38-705

TM 55-235

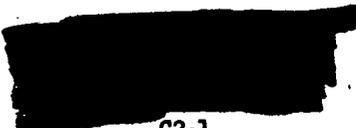
AFM 67-1

AFM 75-4

AFM 75-5

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DOD DIR 5200.10

RESTRICTED

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DOD DIR 5200.10

PEARL HARBOR

FRAY

HONOLULU, OAHU, T.H.

CRAB

c. Shipping designators to be used for classified shipments will be distributed under separate cover.

d. It is the responsibility of persons receiving shipping designator information to supply the information to other personnel for transaction of official business only. When non-military personnel are given the meanings of shipping designators they will be held responsible for their security. Care will be taken to prevent agencies or persons actually engaged in handling shipments from knowing the geographical locations represented by the shipping designators when this information is not essential to their operations.

e. Every precaution will be exercised to prevent confusing code words with shipping designators.

3. OVERSEAS ADDRESS:

a. A coded overseas address is the complete marking used to identify a shipment and to indicate its overseas destination.

b. There are normally five (5) authorized parts in an overseas address, each of which will be separated by dashes (-). These dashes serve as spacers between the component parts.

FOGS - W - QMII - SFU - A98LK3

Part 1 - Part 2 - Part 3 - Part 4 - Part 5

(1) The first part always consists of either the shipping designation which identifies the port of discharge, or a shipment number which identifies a particular troop unit.

(2) The second part will be a letter symbol known as the time indicator used to indicate the specific half-month period during which shipments will be forwarded overseas by ports of embarkation.

(a) The following table will be used in selecting the proper time indicator letter:

<u>JAN</u>	<u>FEB</u>	<u>MAR</u>	<u>APR</u>	<u>MAY</u>	<u>JUN</u>
A 1-15	C 1-15	E 1-15	G 1-15	I 1-15	K 1-15
B 16-31	D 16-29	F 16-31	H 16-30	J 16-31	L 16-30
<u>JUL</u>	<u>AUG</u>	<u>SEP</u>	<u>OCT</u>	<u>NOV</u>	<u>DEC</u>
M 1-15	P 1-15	R 1-15	T 1-15	W 1-15	Y 1-15
N 16-31	Q 16-31	S 16-30	U 16-31	X 16-30	Z 16-31

NOTE: Letters "O" and "V" are not used.

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SECURITY INFORMATION

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- (b) The time indicator is not to be confused with the established procedure for clearing shipments into the port. The time indicator is a designator of relative priority. It is standing operating procedure for ports of embarkation to ship cargo in accordance with alphabetical sequence, i.e. "L" before "M", "M" before "N", etc.
- (3) The third part of the overseas address gives general information concerning the shipment and consists of the abbreviation of the shipping service and the class of supply indicated by a Roman numeral.

Example: ORD II in the overseas address FOGS-T-ORD-II-SFU-LKI indicates Ordnance, Class II supplies. The class of supply may be omitted on Air Force Shipments. Shipments by the Army Technical Services for direct delivery to an overseas installation of the Air Force will be marked with the abbreviations of both the receiving and shipping service respectively.

Example: AACSSIG would indicate a shipment of signal corps supplies to Airways and Air Communications Service.

- (4) The fourth part is composed of not more than three letters which is known as the "consignee combination" which facilitates distribution at destination. Consignee combination for designating property of the Air Force will be SFU. To further indicate programs or projects, three letter symbols may be assigned. Requests for assigned symbols should be made to this Headquarters with complete identification of special program or projects.
- (5) The fifth part of a coded overseas address provides the basic identification of supplies to correspond to requisition and/or allied papers in ports of embarkation and overseas commands. It normally consists of requisition number or special symbol to indicate special projects and/or island destinations.

c. A special marking that is mandatory for use in shipment of supplies for utilization in this project is an appropriately colored "X".

- (1) Shipments destined for units of TG 7.4 will be marked with a maroon "X". It will be noted that other agencies and services will be receiving cargo at this destination and employ the use of their distinctive colored "X's".
- (2) The "X" will be four (4) inches in height and painted directly above the overseas address where the size of the container permits. When small packages are prepared for shipment and size prohibits a four (4) inch "X", as large a marking as is possible will be placed

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on the package. When shipping tags are used, the colored "X" will be placed on the tag.

d. It is essential that the overseas address be the most conspicuous marking on the container and that it be as large as the available space and stencil limitations will permit.

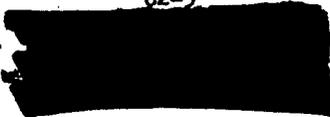
4. MARKING OF CONTAINERS:

a. The following markings and data will appear on each container arriving at ports of embarkation:

- (1) Overseas address
- (2) Description of contents
- (3) Weight and cubage of container
- (4) Package number (when applicable)
- (5) Depot voucher number (when applicable)
- (6) Bill of lading number (when applicable)
- (7) Service color marking
- (8) The appropriately colored "X"
- (9) Domestic address
- (10) Caution labels and other precautionary markings required by law.

b. Overseas Addresses:

- (1) Coded overseas address will appear on all containers, except as noted below. Addresses will be stenciled in characters at least $1\frac{1}{2}$ inches in height when the size of the container permits, and in no case will the letters be less than $\frac{3}{4}$ of an inch high.
- (2) When the container is ten (10) cubic feet or less, only one side need be marked with overseas markings. When the container is over ten (10) cubic feet the overseas markings will appear on three opposing surfaces of the container. If a surface area does not permit placing the overseas address all on one line, a break will be made only where a spacer occurs.
- (3) A waterproof tag or label bearing the overseas markings will be affixed securely when the container is too small or cannot be stenciled suitably.
- (4) Agencies furnishing marking instructions to civilian contractors will, when necessary, supply prepared stencils with the specific overseas address to be used.



(5) Exceptions:

- (a) On unpacked items shipped in bulk or bundles, such as lumber, landing mats, structural steel, etc., the overseas markings will be placed on waterproof tags or labels on approximately 1/10 of the units, uniformly distributed throughout the shipment. The total weight and cube of such items will be shown on shipping documents.
- (b) On full carloads of one commodity for which 10% markings is authorized, care will be exercised in loading to assure that some of the markings are visible when either rail car door is opened.
- (c) Gasoline and petroleum products shipped in cans and drums will be marked as indicated in (a) above.

c. Description of Contents: When the container is ten (10) cubic feet or less, pertinent information as to contents will be stenciled on one surface of each container. When the container is over ten (10) cubic feet, such information will appear on two (2) surfaces, for example, one end and one side.

d. Caution Labels: Caution labels and precautionary markings are required by law to be attached to containers of such commodities classified as inflammable, explosive, corrosive, combustible, gaseous, poisonous, radioactive, etc. Shippers will be guided by current military and Interstate Commerce Commission regulations.

5. MARKINGS OF ORGANIZATIONAL EQUIPMENT AND SUPPLIES:

a. Shipment Numbers: Shipment numbers indicate troop movements and are composed of four digit numbers assigned through this Headquarters by the Assistant Chief of Staff, G-4, Department of the Army. Shipment numbers are classified according to their use.

- (1) Shipment numbers identify supplies and equipment scheduled for movement to an overseas station either accompanied or unaccompanied.
- (2) Shipment numbers identify shipments of personnel.

Example: "Shipment 2626" may represent the movement of the 888th Fighter Group. "Shipment 2626-A" may represent a part of the 888th Fighter Group moving separately.

b. Organizational Equipment Moving with Unit (TAT): Supplies and equipment moving with unit on the same vessel will be marked as follows:

- (1) Shipment number and letter assigned.
- (2) The letters "TAT" encircled in RED to indicate that it is equipment "To Accompany Troops".



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- (3) Weight and cube.
- (4) Appropriately colored "X".
- (5) Contents of containers.
- (6) Package number (when applicable).
- (7) Domestic address of the port of embarkation.

c. Supplies and equipment, including vehicles and uncrated items, moving with the unit, but not on the same vessel will be marked as in sub-paragraph 5,b above, except the items will not be marked "TAT". Wheeled, track laying, and heavy equipment will be marked on the best adaptable surface available.

d. Organizational supplies and equipment moving from depots in the ZI to a port for shipment with a unit on the same vessel will be marked as in 5,b above, with the following additional markings:

- (1) Abbreviation of service concerned.
- (2) Depot symbol.

Example: 2626 - B - ENG - TAT - LK3
- (3) The letters "TAT" in this case will NOT be circled in RED.

e. Supplies and equipment moving from depots in general support of an organization will be marked as in paragraph d above, except the shipment will not be marked "TAT".

f. Shipments from home station to ports of embarkation which must be accessible during the voyage will be marked with a three (3) inch yellow disc in addition to the "TAT" markings of paragraph 5,b above.

g. Equipment will be so marked to allow for the stenciling of the letter "R" in front of the movement number to facilitate the marking of containers for return or "roll-up" from the forward area.

6. PACKING LISTS:

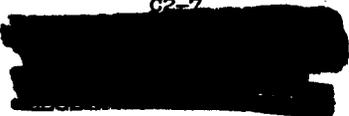
a. With exceptions noted below, one packing list will be placed inside each container, and three packing lists in a water-proof envelope will be securely attached to the outside of each container by the shipper.

- (1) The envelope containing the outside packing lists will always be attached to the most protected location, preferably on one end of the container between the cleats, and may be covered by a covering plate.
- (2) The protected packing lists will not be disturbed prior to their arrival in the forward area(s), except when necessary in instances where the port of embarkation

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is unable to identify shipments for the purpose of preparing shipping documents if the shipper has failed to do so.

- (3) Three (3) copies of the packing lists are required in case of organization (company, squadron or similar organization) movements as inclosures to the consolidated packing list. (Reference SR 55-720-1/AFR 75-37, as amended).
- (4) The Army Shipping Document, Impedimenta Copy. (DA AGO Form 450-30) or Air Force Shipping Ticket (AF Form 104-B) will not be used as the packing lists in case of organizational moves. An appropriate form will be prepared by the shipper for this purpose.

b. Contents of packing lists:

- (1) Package number (unit move).
- (2) Unit shipment number and letter (unit move).
- (3) Home station (unit move).
- (4) Date (unit move).
- (5) Quantity (amount of each item, by item).
- (6) Description (nomenclature). (If spare parts, indicate nomenclature of major items and reference pertinent SNL).
- (7) Stock number (part number where appropriate).
- (8) Type and size (when not shown in "description").
- (9) Condition of material if not new ("serviceable", "repairable", "salvage" or other appropriate entry).

c. Packing lists are not required for the following:

- (1) Unboxed or uncrated equipment (vehicles and wheeled equipment).
- (2) Packages containing only one item or identical items. In these instances, the contents will be marked (stenciled) on the outside of the package.
- (3) Uncrated or unboxed equipment such as tires, drums, nested cans, banded shovels, etc., where packing lists are obviously impractical as an aid in identification. However, a consolidated packing list will accompany all such shipments generating from the Task Groups.
- (4) Such items as drugs, narcotics, intoxicating liquors, maps, currency and similar valuables, when it is not advisable that the nature of the contents be known, a

complete packing list will be placed inside the container and the outside packing lists will give only sufficient reference to the overseas address for proper identification.

- (5) Shipment of classified material will not have packing lists affixed to the outside of the container and handling of classified shipping documents will be in conformance with AR 380-5, AFR 205-1, or OPNAV Instruction 5510.1, as amended.

d. Warning as to contents of packing lists. Under no circumstances will packing lists contain information which will indicate in any way the destination of the shipment or the ultimate use of its contents.

7. SHIPMENTS VIA MILITARY AIR TRANSPORT SERVICE (MATS):

a. Shipping and marking instructions as prescribed in the preceding paragraphs apply to movements by air with the exception that an air movement designator (formerly air priority identification) is required. It will be placed below the overseas address and on all substantiating documents. Air movement designators for shipments will be obtained by the Logistics Liaison Officer at McClellan AFB, California.

b. The air movement designator consists of a combination of code letters and number assigned by Headquarters, JTF SEVEN, Washington 25, D.C., or JTF Liaison Officer at Travis Air Force Base, California.

(1) Air shipments under 1,000 pounds will be forwarded to Transportation Officer, McClellan Air Force Base, California, where they will be consolidated for further movement to Travis Air Force Base, California, after air movement designators and clearances have been received by the Logistics Liaison Officer.

(2) Air shipments over 1,000 pounds will be forwarded direct to Air Freight Terminal but only after obtaining an air movement designator from JTF SEVEN Liaison Officer at Travis Air Force Base.

(3) The air movement designator is a medium of identification and a priority authorization for air movement over the routes of the Military Air Transport Service.

c. Overseas markings will include the abbreviation "DIM" followed by the outside dimensions in inches, length, width and depth in that order.

(1) Dimension information will be placed under the content marking whenever possible.

(2) When containers are pre-marked with cubic measurement, such marking need not be obliterated.

d. Packing:

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C2-9

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- 
- (1) Freight packed for air transportation at point of origin will be plainly marked, "Packed for Air Shipments", by either label or stencil on the side of the container containing the overseas address.
 - (2) Supplies will be adequately protected against possible damage in transit to Travis Air Force Base, California.
 - (3) Where air freight packaging is considered too light to withstand surface movement, a temporary cover crate will be used for that portion of the shipment. The outer container will be marked, "Remove Outer Crate for Air Shipment". The complete overseas address and markings will appear on the inner container only.

e. Shipments by MATS will be on an austerity basis. Because of increased global requirements on the Military Air Transport Service without a proportionate increase of aircraft and personnel, requests for movements of personnel and cargo by MATS system will be held to an absolute minimum.

8. PERSONAL BAGGAGE:

a. Definitions:

- (1) Personal baggage - includes duffel bags, barracks bags, flying bags (B-4 and A-4), trunk lockers, trunks, handbags, etc. Any such baggage may contain items of T/E clothing and equipment, personally owned equipment, and other items authorized in travel orders.
- (2) Cabin or troop space baggage - that portion of the personal baggage which is stowed for ready accessibility during movement, in cabin or troop space.
- (3) Cabin or troop space - that space and its immediate vicinity occupied by individuals during movement.
- (4) Hold baggage - that portion of personal baggage stowed in the hold of the vessel. This baggage is inaccessible prior to and during vessel movement.
- (5) Hand baggage - that portion of cabin or troop space baggage hand-carried by individuals.
- (6) Accompanied hold baggage - that portion of the total hold baggage stowed in the hold of the same vessel in which the personnel are moving.

b. Allowances:

(1) Water Movements

- (a) Personnel, military and civilian, will be limited to hold baggage weight limitations as follows:

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Temporary Change of Station

General Officers	800 pounds
All Others <i>Officers + CIVS</i>	200 pounds <i>350</i>
Enlisted Personnel	200 "

Permanent Change of Station

General Officers	800 pounds
Field Grade Officers	600 pounds
Company Grade Officers	<u>400 pounds</u>
Enlisted Personnel	200 pounds <i>350 #</i>

Civilian pers -

(b) ~~Civilians are entitled to baggage allowances as appearing below:~~

GS-12 thru 15 (P5 thru P8)	600 pounds
GS-7 thru 11 (P2 thru P4)	400 pounds
All other civilians	400 pounds

(c) In view of the unusual characteristics of this operation and the deteriorating effects from the climatic conditions to be encountered, it is recommended that personnel carry only sufficient personal effects to meet their minimum requirements while in the forward area.

(d) Hand baggage will be limited to two (2) pieces of luggage plus a field or musette bag to include personal items for use while traveling.

(2) Air Movements:

(a) Individuals traveling by air will be governed by the baggage weight limitations prescribed by travel orders. The weight allowance is sixty-five (65) pounds when traveling by MATS unless excess baggage is authorized.

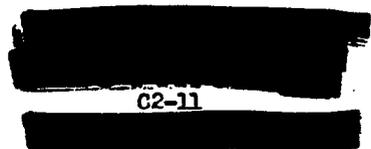
~~(b) When authorized, advance detachments in movement directives as an "I" unit (e.g. 2626BI), moving by air, will be governed by AFR 76-15 unless otherwise prescribed. Baggage of the detachment in excess of authorized limitations, will be packed, marked and shipped with the main body of the unit as "TAT".~~

c. Marking of Personal Baggage for Shipment to Forward Area:

(1) Personal baggage moving with units under a movement directive.

(a) Footlockers and trunks will be stenciled on at least three (3) surfaces as follows:

1. TO: Port Transportation Officer.
2. Name of Port of Embarkation.



- 3. City and State.
- 4. Overseas address (shipment number and letter).
- 5. Name of individual.
- 6. Grade.
- 7. Serial number— SERVICE NUMBER
- 8. Weight and cube.
- 9. Appropriately colored "X".

(b) Duffel bags, flying bags, etc., will be stenciled only on one side with the information as appearing in paragraph 8c, above.

(2) Personal baggage of personnel moving on temporary duty travel orders for which a shipment number has not been assigned.

(a) The overseas address for personal baggage for personnel moving under temporary duty (not under a movement directive) orders will be marked as outlined in paragraph 8c above, except that a shipping designator will be used in lieu of the shipment number.

Example: FOR: FOGS-TG 7.4

(b) The appropriately colored "X" will be placed on each container to identify the port of discharge for personal baggage just as in the case of cargo shipments.

9. CONSERVATION OF CONTAINERS IN FORWARD AREA:

All units and personnel will take every precaution to carefully unpack equipment in the forward area and preserve the containers for use in shipment of supplies to the ZI. There will be no lumber or packing cases of any type in the forward area to be used as substitutes for broken or destroyed containers. Therefore, containers will be carefully handled and stored so that full utilization will be realized.

10. ROLL-UP:

a. The need for identification shipments, segregation of containers at the Port of Debarkation, and for contents and other miscellaneous container markings is the same for shipments from the forward area(s) to the United States, as for shipments from the U.S. to the forward area(s).

(1) This applies whether a shipment contains serviceable, repairable or salvage property.

(2) Copies of Bills of Lading will contain an estimated cost and will be forwarded to Headquarters, AMC, Attention: MCCAEP.

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b. MARKING: Service color markings and other container markings, including the appropriately colored "X" and packing list, will be the same as those prescribed for shipments to the forward area. Overseas addresses on shipments for return to the U.S. (including UEE equipment) will be marked as follows:

- (1) "USA" will be the first part of the overseas address.
- (2) The second part of the address will be "AIR".
- (3) The third part will be "SFPE". (USA-AIR-SFPE).

All containers will be marked with the Zonal Address:

Water Shipments TO: USA-AIR-SFPE
FOR: ZONAL ADDRESS

Air Shipments TO: AIR FREIGHT OFFICER
(MATS)
TRAVIS AFB, CALIFORNIA
FOR: ZONAL ADDRESS

c. DOCUMENTATION: Documentation will be on AF Form 104B. A minimum of nineteen (19) copies of all shipping documents will be prepared for each shipment ten (10) days prior to the arrival of the vessel. Distribution will be made as follows:

- (1) One (1) copy retained by the accountable officer pending return of validated copy from loading port.
- (2) Two (2) copies attached to the outside of the number one box of a shipment unit.
- (3) Two (2) copies airtailed to the consignee (one to accountable Property Officer if consignee is not accountable).
- (4) Fourteen (14) copies with shipment to the loading port for further distribution as follows:
 - (a) One (1) copy returned to consignor after signing by port authority.
 - (b) One (1) copy retained in file manifest.
 - (c) Three (3) copies airtailed to the port of debarkation with manifest (via Army-Navy Shipping Information agency when destined to the U.S.).
 - (d) Eight (8) copies to accompany manifest aboard vessel.
 - (e) One (1) copy with manifest airtailed to JTF SEVEN Liaison Officer or Movement Control Agency at port of discharge of JTF SEVEN cargo, as appropriate.

d. Entries in the body of the document describing the shipment contents will be limited to the following: Overseas markings, description of contents, number of packages, package numbers, weight and cube. In no instance will cargo be shipped to the U.S. without quoting the appropriate allotment of funds on the shipping document. Port reference numbers will be assigned for each shipment unit by the Port Commander and indicated on each copy of the shipping document and ocean manifest.

11. PERSONAL BAGGAGE:

a. Personal baggage returned to the U.S. will be addressed to Transportation Officer of the port of discharge concerned and the final zonal address.

- (1) Personal baggage of personnel returning with units for which shipment numbers have been assigned and authorized by the movement directive for the return shipment will be addressed to the Transportation Officer of the Zone of Interior post, camp, base or station concerned. EXAMPLE:

TO: PTO-SFPE
SHIP TO: KIRTLAND AIR FORCE BASE, NEW MEXICO
FOR: SHIPMENT NUMBER (R6998A)
JOHN H. BROWN, AF 11111111

- (2) Personal baggage of personnel returning on temporary duty orders will be addressed to the appropriate zonal address.

TO: PTO-SFPE
FOR: JOHN J. DOE
CAPTAIN, AO111111
184 Perimeter Drive
Albuquerque, New Mexico

b. Shipments of personal baggage will be documented in nineteen (19) copies just as for cargo shipments. If individual names are not incorporated into main document, then attachments containing name, rank, serial number, weight and cube must be attached and become part of the main document.

c. Personnel returning via air and shipping unaccompanied baggage by water will complete six (6) copies of Standard Form 116, "Request for Transportation of Household Goods". Four (4) of these will be submitted to the Transportation Officer at the Port of Embarkation. The remaining two (2) will be attached securely in a conspicuous place on the outside of the number one container of the shipment. A copy of the travel order authorizing the shipment of personal baggage will be attached to each copy of Form 116.

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[REDACTED]

d. Personnel returning via surface and shipping accompanied baggage to be further shipped to a zonal destination will present four (4) completed copies of travel orders authorizing the shipment of personal baggage to the Personal Property Section at SFPE. Two (2) copies of Form 116 and two (2) copies of travel orders will be attached in a conspicuous place on the outside of the number one container of the shipment.

e. Customs declarations will be prepared in accordance with AFR 75-57 and minimum of four (4) copies will be prepared by the individual concerned.

f. Items of personal baggage such as footlockers and trunks will be banded. It is not advisable to lock pieces of baggage because the contents are subject to inspection by the Customs Department.

12. UNIT ROLL-UP PLANS:

Bases on the information indicated above, the Commanders of the Test Support Units will prepare roll-up plans to implement the above and forward copies to this Headquarters as soon as practicable after in place date.

APPENDIX 3
TO
ANNEX G
OPERATIONS ORDER NO. 1-53
PERSONNEL ADMINISTRATION

1. GENERAL:

✓ a. The Commander, TG 7.4 will be responsible for the administration of Air Force Personnel at overseas sites.

2. PARENT COMMANDS AND ORGANIZATIONS:

a. Headquarters, TG 7.4:

✓ (1) Parent Organization: Air Force Special Weapons Center
Kirtland Air Force Base, New Mexico

(a) Parent Command: Air Research and Development Command
Post Office Box 1395
Baltimore 3, Maryland

b. Test Support Unit:

✓ (1) Parent Organization: 4930th Test Support Group
APO 187, c/o Postmaster
San Francisco, California
OPERATIONS
4931st Test Support Squadron
APO 187, c/o Postmaster
San Francisco, California
MATERIEL
4932nd Test Support Squadron
APO 187, c/o Postmaster
San Francisco, California

(a) Parent Command: Air Force Special Weapons Center
Kirtland Air Force Base, New Mexico

✓ c. Test Aircraft Unit:

(1) Parent Organization: Eighth Air Force *4925th*
Carswell Air Force Base, Texas

(a) Parent Command: Strategic Air Command AF S W C
Offutt Air Force Base, Nebraska

Change #1
~~(2) Parent Organization: Documentary Photo Unit
Andrews Air Force Base
Washington 25, D. C.~~ *deleted: C1*

~~(a) Parent Command: Military Air Transport Service
Andrews Air Force Base
Washington 25, D. C.~~

(3) Parent Organization: 4926th Test Squadron (Sampling)
4925th Test Group (Atomic)
Kirtland Air Force Base, New Mexico

(a) Parent Command: Air Force Special Weapons Center
Kirtland Air Force Base, New Mexico

TASK GROUP 7.4
OPRS ORDER NO. 1-53
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d. Test Services Unit:

(1) Parent Organization: Hq, Military Air Transport Service
Andrews Air Force Base
Washington 25, D. C.

(a) Parent Command: Hq, Military Air Transport Service
Andrews Air Force Base
Washington 25, D. C.

e. Weather Reconnaissance Element:

(1) Parent Organization: 57th Weather Reconnaissance Squadron
(Strategic)
APO 953, c/o Postmaster
San Francisco, California

(a) Parent Command: Military Air Transport Service
Andrews Air Force Base
Washington 25, D. C.

f. Weather Reporting and Weather Central Elements:

(1) Parent Organization: 6th Weather Squadron
Tinker Air Force Base, Oklahoma

(a) Parent Command: Air Weather Service
Andrews Air Force Base
Washington 25, D. C.

g. Communications Element:

(1) Parent Organization: 1960th AACS Squadron
APO 953, c/o Postmaster
San Francisco, California

(a) Parent Command: Airways and Air Communication Service
Andrews Air Force Base
Washington 25, D. C.

h. Air Rescue Element:

(1) Parent Organization: 78th Air Rescue Squadron
APO 953, c/o Postmaster
San Francisco, California

(a) Parent Command: Air Rescue Service
Andrews Air Force Base
Washington 25, D. C.

3. UNIT ADMINISTRATION:

a. All Task Units of TG 7.4 will provide orderly room personnel and will perform normal unit administrative functions, including Morning Reports, Sick Report, Pay, Classification and Assignment, Airmen Records and Officers' Records.

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C3-2

*Documentary Photographs
Documentary Photos
Andrews AFB
Wash 25 DC
Parent Organization
Command:
Military Air Transport
Service AFB
Wash 25, D.C.*

b. Personnel of Headquarters TG 7.4 will be attached to the 4930th Test Support Group for all administration and support during operations in the forward area.

4. PERSONNEL:

a. Strength accountability: All personnel will be placed on ~~detached~~ ^{duty} Detached-Service with Provisional Units. Strength accountability will remain with organizations of permanent assignment. See paragraph-25, AFR 35-19, as amended.

b. Strengths, Reports, and Records:

(1) Morning Reports (overseas sites):

Units will forward to parent organizations daily with copy to arrive at Statistical Services Division, TG 7.4, not later than 1000 hours using most expeditious means.

(2) Manning and Informational Roster will be submitted to Director of Personnel, Headquarters TG 7.4 in accordance with Task Group Memorandum No. 171-2, immediately on arrival at overseas sites and as of the last day of each month thereafter. This report is in addition to any report required by parent commands.

5. REPLACEMENTS:

a. Requests for personnel replacements outside the Zone of Interior will be held to a minimum. When necessary, requisitions will be forwarded through Headquarters, TG 7.4, and normal command channels.

6. PERSONNEL PROCEDURES:

a. Duty assignments and processing of personnel will be accomplished by Test Units. Classification and assignment of personnel will be accomplished by parent commands.

b. Personnel may be reassigned for duty within the Task Group in accordance with current service regulations.

c. Requests for release of commissioned personnel will be forwarded to Commander, TG 7.4, then to parent Command of individual concerned for processing.

d. At overseas sites, leaves of absence will be authorized in emergencies only. Personnel granted leaves, may, at the discretion of Commander, TG 7.4, be relieved from further duty with JTF SEVEN, and returned to their organizations of permanent assignment. Personnel authorized emergency leaves will be placed on TG 7.4 orders to AFPOE, Travis Air Force Base, who will indorse leave orders. Personnel released from duty with Headquarters, TG 7.4, other than for inefficiency or disciplinary reasons, may be granted not to exceed 15 days ~~of leave of absence~~, if accrued, enroute to their stations of permanent assignment. The Red Cross may be utilized to verify requests for emergency leaves.

e. Officer Effectiveness Reports will be rendered as required by AFR 36-10, as amended, in accordance with procedures established by TG 7.4 Memorandum 36-1, and Parent Command procedures.

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f. Awards and Decorations - Recommendations in proper form will be made to the Awards and Decorations Board, TG 7.4, prior to recommended individuals release from duty from JTF SEVEN or recommendation should be submitted prior to the release of the recommending officer from duty with the Task Group.

g. (Page 23-4) Flying Evaluation Boards will be appointed upon direction of the Comdr, TG 7.4 when deemed necessary in accordance with AFR 36-57.

h. All airman promotions and demotions will be accomplished by parent organization of assignment in accordance with AFR 30-29 and AFR 39-30 respectively.

a. Personnel in the ENIWETOK area will be paid by Commander, TG 7.2.

b. ^{Military} Personnel in the BIKINI area will be paid through Class A Agents appointed by Commander, TG 7.4. The facilities of the finance office, TG 7.2 will be made available to accomplish payment.

8. MAILING ADDRESS - OFFICIAL MAIL:

a. Headquarters, TG 7.4

(1) Zone of Interior Address:

Commander
Task Group 7.4, Provisional
Kirtland Air Force Base, New Mexico

(2) Overseas Address:

Commander
Task Group 7.4, Provisional
APO 187, c/o Postmaster
San Francisco, California

b. Units which are a part of TG 7.4:

Until Commander, TG 7.4 arrives overseas, official correspondence for these units will be addressed direct to the units concerned, with information copies to their major and intermediate ^{and TG 7.4} commands, if applicable. Until the arrival overseas of Commander, TG 7.4, correspondence other than routine, to or from units which are in the forward area will be routed through the Commander, Advanced Detachment, Task Group 7.4, APO 187, c/o Postmaster, San Francisco, California. After Commander, TG 7.4 arrives overseas, official correspondence to or from these units, other than routine will be addressed to:

Commander
Task Group 7.4, Provisional
APO 187, c/o Postmaster
San Francisco, California

Direct communication with Task Units on routine matters is authorized.

Addresses are as follows:

(1) Test Support Unit, Provisional

(a) Overseas Address:

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Commander
Test Support Unit, Provisional
APO 187, c/o Postmaster
San Francisco, California

✓ (2) Test Aircraft Unit, Provisional

(a) Zone of Interior Address:

Commander
Task Group 7.4, Provisional
ATTN: Director of Operations
Kirtland Air Force Base, New Mexico

(b) Overseas Address:

Commander
Test Aircraft Unit, Provisional
APO 187, c/o Postmaster
San Francisco, California

✓ (3) Test Services Unit, Provisional

(a) Zone of Interior Address:

Commander
Test Services Unit, Provisional
Andrews Air Force Base
Washington 25, D. C.

(b) Overseas Address:

Commander
Test Services Unit, Provisional
APO 187, c/o Postmaster
San Francisco, California

✓ c. Personal mail will be addressed as follows:

Name, Rank, Service Number
Unit or Organization
Location (as listed above)

✓ d. Personnel will notify their correspondents of their correct address. AFR 182-11 will be complied with.

✓ 9. EMERGENCY MESSAGES:

✓ a. Prepaid personal telegrams addressed to APO 187 (ENIWETOK) will be transmitted by commercial radio and cable companies to Signal Center, USARPAC, HONOLULU, T. H. for retransmission by electrical channels to ENIWETOK. Personal emergency messages originating at APO 187 will be transmitted by official radio channels to the Signal Center, USARPAC, which will forward same to a local commercial agency for retransmission collect.

10. CLEARANCES:

~~a. Personnel of TG 7.4 who may be expected to have access to AEC "Restricted Data" will be processed for "Q" clearance in accordance~~

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C3-5

Declassified
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with JTF SEVEN instructions and Task Group Memoranda in the 205 series. All personnel who will have occasion to visit islands of ENIWETOK ATOLL, other than ENIWETOK ISLAND, must possess proper clearances (see Annex G).

U.S. All personnel who will not have access to "Restricted Data", but who will be stationed in the forward area will have National Agency Check initiated prior to departure.

10-11. TRAVEL AND PER DIEM:

a. All orders for travel to be performed by military personnel attached to TG 7.4 at overseas sites, will be issued by Commander, TG 7.4, 4930th Orders in the Zone of Interior will be issued as directed by parent organizations.

b. Per Diem for military personnel will be paid in accordance with current regulations and instructions from Headquarters, JTF SEVEN.

11-12. RECORDS ADMINISTRATION:

All records pertaining to TG 7.4 will be preserved in accordance with current regulations and directives and SOP 181-1, Headquarters JTF SEVEN.

12-13. GROUND SAFETY PROGRAM:

a. General:

It will be the responsibility of Commanders of all echelons to insure adequate safe practices and safe working conditions within their activity. The Commander, 4930th SG (T) will be responsible for administration of portion of the Ground Safety Program covering appointment, scheduling, recording and disseminating minutes of meetings of Airmen's Ground SAFETY Council and Exec Ground Safety Council.

b. References:

AFR 32-2;
AFR 32-1, Aug-1948; AFR 32-3, Nov-1952; AFR 32-6, Dec-1948;
AFR 32-7, Mar-1949; AFR 32-8, Jul-1950; AFR 32-7, May-1951; AFR 32-10, AFR 32-8, Jan-52; and AFM 32-3. AFR 32-9, AFR 32-10, AFR 32-11, AFR 32-14, AFR 32-15, AFR 32-16, AFR 32-17, AFR 32-18, AFR 32-19, AFR 32-20, AFR 32-21, AFR 32-22, AFR 32-23, AFR 32-24, AFR 32-25, AFR 32-26, AFR 32-27, AFR 32-28, AFR 32-29, AFR 32-30, AFR 32-31, AFR 32-32, AFR 32-33, AFR 32-34, AFR 32-35, AFR 32-36, AFR 32-37, AFR 32-38, AFR 32-39, AFR 32-40, AFR 32-41, AFR 32-42, AFR 32-43, AFR 32-44, AFR 32-45, AFR 32-46, AFR 32-47, AFR 32-48, AFR 32-49, AFR 32-50, AFR 32-51, AFR 32-52, AFR 32-53, AFR 32-54, AFR 32-55, AFR 32-56, AFR 32-57, AFR 32-58, AFR 32-59, AFR 32-60, AFR 32-61, AFR 32-62, AFR 32-63, AFR 32-64, AFR 32-65, AFR 32-66, AFR 32-67, AFR 32-68, AFR 32-69, AFR 32-70, AFR 32-71, AFR 32-72, AFR 32-73, AFR 32-74, AFR 32-75, AFR 32-76, AFR 32-77, AFR 32-78, AFR 32-79, AFR 32-80, AFR 32-81, AFR 32-82, AFR 32-83, AFR 32-84, AFR 32-85, AFR 32-86, AFR 32-87, AFR 32-88, AFR 32-89, AFR 32-90, AFR 32-91, AFR 32-92, AFR 32-93, AFR 32-94, AFR 32-95, AFR 32-96, AFR 32-97, AFR 32-98, AFR 32-99, AFR 32-100.

c. Reports:

All reports required will be forwarded to parent organization for processing and forwarding to Headquarters USAF through command channels, furnishing Headquarters TG 7.4 with an information copy of each report.

d. Supplies:

Safety promotional material available from the National Safety Council will be requisitioned according to procedures outlined in AFR 32-10. All other supplies will be requested through the Ground Safety Office, 4930th Test Support Group.

15-16. MEDICAL:

a. Sick and wounded military personnel will be cared for by the Mobile Hospital at ENIWETOK. Patients requiring general hospital care will be evacuated to Tripler Army Hospital, OAHU, T.H. TG 7.4 will make arrangements.

b. Radiological physical examinations will be required for all personnel working with radioactive material or in an area of radioactivity. Individuals will be required to undergo a radiological physical examination only as directed by the Commander TG 7.4. Sampler pilots will be required to undergo physical examinations within 30 days prior to going overseas for operation. TASK GROUP 7.4 "REDDING" and again within 15 days after their return to the ZI. OPRS ORDER NO. 1-53 ANNEX C, APNDX 3 C3-6

Reports of Radiological Safety Examinations will be forwarded to Commander, TG 7.4. See Annex H.

14-15. PRISONERS:

Air Force Garrison or General prisoners may be evacuated to OAHU, T. H., or to AFPOE, Travis Air Force Base, by air as provided in AFR-215-15. Evacuation may be accomplished on completion of trial prior to review. AFM 125-
Mick AM AFR

15-16. UNIFORM:

Military personnel will wear the uniform prescribed by Commander, TG 7.4 in accordance with local regulations. Civilian personnel will be encouraged to wear military uniforms without insignia.

16-17. MORALE:

a. Postal Services:

Unit Commanders will operate Unit Mail Rooms and will furnish orderlies to pick up mail from and deliver to APO.

b. Special Services:

(1) At ENIWETOK, TG 7.2 will furnish facilities.

(2) Unit Commanders will appoint personnel with additional duty to Special Services to implement the program within the units. Program will consist of Motion Pictures daily at no charge, Field Library, Officers Club, NCO Clubs, Service Clubs and Beach Club. Facilities will be provided for fishing, swimming, hobby shop, Airman shows, and a well-rounded sports program.

(3) Supplies:

(a) Commander, TG 7.2 ^{will furnish limited athletic + recreat.} is furnishing supplies at ENIWETOK. Supplies may be supplemented by purchase from non-appropriated funds. No personal firearms or photographic equipment will be taken to ENIWETOK.

* 7.4 units should provide the major portion of their requirements.

c. Religious Services:

At ENIWETOK, TG 7.2 will furnish Chaplain services.

d. Radio Programs:

TG 7.2 will provide AFRS on ENIWETOK. Personal radio receivers may be shipped overseas.

e. Non-appropriated Funds:

(1) The atoll commander, ENIWETOK, will administer all non-appropriated funds.

f. Information and Education:

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- (1) TG 7.2 will maintain adequate services at Eniwetok supplemented by Headquarters, TG 7.4.
- (2) Special emphasis will be placed on career advancement programs. See AFR 35-405; AFR 34-29; AFL-34-52; and AFL-34-52A.

17 18. EXCHANGE PROGRAM:

Adequate exchange service will be furnished Air Force personnel at ENIWETOK.

18 19. PERSONAL FUNDS:

a. ENIWETOK - Money Orders, travelers checks and certain dollar instruments will be cashed by the Army Finance Unit on ENIWETOK.

- (1) US Treasury Checks and other official checks drawn by disbursing officers of the United States and non-negotiable military payment orders of the US Army and Air Force finance officers.
- (2) Money orders issued by the American Express Company.
- (3) Travelers Checks issued by the American Express Company, Bank of Pittsburgh, or the National Bank of New York City.
- (4) Original United States postal money orders prior to sixty (60) days of issuance, (original United States postal orders presented for payment in excess of sixty days of issuance, duplicate money orders, and postal notes must be cashed by post offices).
- (5) Checks drawn by the American Red Cross.
- (6) In addition to the above, personal checks may be cashed at the US Air Force Exchange Office and at the Island Trading Company office.

19 20. PERSONAL AFFAIRS:

a. The Personal Affairs Program will be under the direct administration of Unit Commanders.

b. Unit Commanders will insure that all personnel have their personal affairs in proper order prior to departure for the forward area.

c. Living expenses in the forward area will be negligible; therefore, substantial allotments to insure adequate maintenance of dependents should be executed.

Unit Commanders will insure that dependents of personnel participating in this test series are fully briefed on the contents of the Dependents Assistance Program.

- (1) Field Directors of American Red Cross will provide normal services.
- (2) The Air Force Aid Society, Hickam Field Section, PACDIVMATS, or the nearest Air Force Base may be called on direct by dependents in case of need.

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✓ f. e. Soldier Deposits will be encouraged. See AFR-173-80 and
-AFM-173-55.

✓ g. i. AF Letter 34-58, information concerning voting and elections
will be brought to the attention of all personnel.

✓ h. g. Personnel will be reminded that Power of Attorney should be
left in competent hands if business is to be transacted during the period
of overseas duty.

20 21. LEGAL JURISDICTION:

a. Military Justice:

(1) Within the Zone of Interior:

- (a) Parent Units and Commands will exercise Special
and General Courts-Martial ^{jurisdiction} justice over all
personnel.
- (b) Summary Courts-Martial jurisdiction and non-
judicial punishment under Article 15, Uniform Code
of Military Justice, will be exercised by each
Commander of each separately detached unit.
- (c) All reports of punitive actions taken by such
Commanders of such detached units will be made
to the respective parent organizations in ac-
cordance with existing Air Force and local
regulations.

(2) At overseas sites:

- (a) The Commander, ^{7th AF} 1500th Air Transport Wing -
Pacific Division, Military Air Transport Service,
APO 953, will exercise General Courts Martial
jurisdiction over all Air Force personnel assigned
or attached for duty with TG 7.4. As the officer
exercising General Courts-Martial jurisdiction, he
will also review the records of the Summary and
Special Courts-Martial ^{receive reports of discipl-}
inary action taken under Article 15. He will
discharge all the powers and duties conferred upon
him by the Uniform Code of Military Justice, Manual
of Courts-Martial 1951 and Chapter XVII thereof, and
local regulations, concerning Air Force personnel
of TG 7.4.
- (b) The Commander, 4930th Test Support Group, will
exercise Summary and Special Courts-Martial juris-
isdiction, and disciplinary powers under Article 15,
Uniform Code of Military Justice, until the arrival
of the Commander, TG 7.4, or his designated represent-
ative. Upon his arrival, the Commander, TG 7.4 will
exercise Summary and Special Courts-Martial juris-
isdiction and the power to dispense punishment under
Article 15, UCMJ.

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- (c) Summary and Special Courts-Martial will be reviewed and acted upon by the appropriate Commander: i.e., Commander, 4930th Test Support Group, or Commander, TG 7.4, as prescribed in Chapter XVII, MCM, 1951. After such review and action the records will then be forwarded to the Commander, ~~1500th Air Transport Wing, Pacific~~ ^{7th AF} Division, Military Air Transport Service, APO 953, for final review, action and disposal.
- (d) When an offense is so serious that it may require trial by General Courts-Martial, the charges will be investigated as required by Article 32, UCMJ, and par 34, MCM, 1951, then forwarded with appropriate recommendations to the Commander, ~~1500th Air Transport Wing~~ ^{7th AF}. Reference for trial, the trial itself, review and all further action upon a General Courts-Martial case will be completed by or under the direction of the Commander, ~~1500th Air Transport Wing~~ ^{7th AF}.
- (e) Since there is no guardhouse in which to contain Air Force prisoners, permission from the Commander, 1500th Air Transport Wing, will be obtained to confine in their guardhouses such Air Force prisoners as may be lawfully committed therein.

b. Other Legal Matters:

(1) Within the Zone of Interior:

- (a) Legal assistance matters, claims, line of duty investigations, reports of survey, administrative boards and courts of inquiry will be conducted by the parent organizations.

(2) At Overseas Sites:

- (a) Legal assistance and claims for all personnel on duty with TG 7.4 will be rendered by the Air Force Staff Judge Advocate, or Legal Officer of TG 7.4. ~~the 4930th Support Group (TRIST)~~
- (b) Line of duty investigations, reports of survey, and administrative boards, (such as that prescribed by AFR 39-16) will be conducted when necessary in accordance with appropriate regulations, and with the advice and assistance of the Staff Judge Advocate or Legal Officer, if desired.
- (c) Other Administrative boards as that set forth in AFR 39-17, and courts of inquiry, will be ordered ^{7th AF} to meet by the Commander, ~~1500th Air Transport Wing, APO 953~~, upon the recommendations of the appropriate Commanders.

21-22. CASUALTY REPORTING:

a. General:

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The Commander, TG 7.4 will render casualty reports in accordance with Air Force Regulation 30-11, 25 January 1952, and Air Force Regulation 35-67, 12 December 1951. Information copies of these reports will be furnished Headquarters, JTF SEVEN.

b. Special Instructions:

(1) Air Force Regulation 30-11, dated 25 January 1952, and Air Force Regulation 35-67, 12 December 1951, will be adhered to in connection with casualty reporting and subsequent action where required in connection with investigation thereof.

(2) Reports will be rendered to:

(a) Overseas:

Air Force Personnel Chief of Staff, USAF
(Casualty Br) with copy
to PACDIVMATS. 7th AF

Air Force Personnel TDY Action to Home Installation
Commanders with info copy to
Chief of Staff, USAF (Casualty
Br) and PACDIVMATS. 7th AF

(b) Air Force Personnel, Zone of Interior:

Chief of Staff, USAF,
ATTN: (Casualty Br)

c. Deceased Personnel (Overseas):

(1) Remains of deceased personnel will be prepared and shipped to United States Army, Tripler Army Hospital, OAHU, T. H., by the first available air transportation.

~~(2) Remains will be shipped in approved protective covering and packed in ice for and during shipment.~~

(3) Radio notification of shipment of remains will be made to Headquarters, JTF SEVEN, Headquarters TG 7.4, if applicable, with a copy to USARPAC and PACDIVMATS furnishing the following information:

(a) Name, rank, organization, and Air Force Serial Number of deceased.

(b) Campaign ribbons and ribbons for decorations and awards to which the deceased is entitled (if service record is incomplete so state).

(c) Data to identify flight by which remains are being shipped to include ETA, OAHU.

~~(4) Territory of HAWAII Standard Death Certificate will be accomplished and forwarded with remains.~~

(2) Remains will be prepared for shipment in accordance with instructions published by CG USARPAC and PACDIVMATS.

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✓ (5) A complete service uniform should accompany the remains if available (except footgear and headgear).

~~(6) Autopsy and embalming of remains will be accomplished at Tripler Army Hospital.~~

✓ 22-25. PREPARATION FOR OVERSEAS MOVEMENT (POM):

All units and detachments will be prepared for overseas movement in accordance with AER-75-37 and warning orders and movement directives issued by Headquarters, USAF. Special requirements are detailed in Attachment A.

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ATTACHMENT A
TO
APPENDIX 3
TO
ANNEX C
OPERATIONS ORDER 1-53
PERSONNEL ADMINISTRATION

SPECIAL PREPARATION FOR OVERSEAS MOVEMENT REQUIREMENTS

1. PHYSICAL EXAMINATIONS:

✓ a. A physical examination will be given to all personnel within 48 hours of departure from their home stations, to detect communicable disease. Individuals found to have communicable disease will not depart home station until free of the disease. A report in the form of a roster certificate will be furnished the Unit Commander by the Medical Officer making the examination.

✓ b. Complete physical examination will be accomplished only in those individual cases in which the record of performance of duty is such as to indicate apparent disqualifying condition which was developed since last determination of physical examination, or in those specific cases in which a Medical Officer deems such examination is required.

✓ c. Complete physical examinations of personnel requiring examination in accordance with paragraph 1, b, above will be accomplished promptly upon determination that such examination is required. Disposition of physically or mentally unfit personnel will be made in accordance with current service directives.

✓ d. An annual physical examination will be accomplished on all flying personnel if their date of departure is within sixty (60) days of their birth date. This will be a flying type physical.

✓ e. Dental check and dental work will be completed before departure from home station.

✓ f. In general, persons considered physically qualified for duty in the United States are qualified for overseas assignment.

2. IMMUNIZATIONS:

✓ a. Immunizations of Yellow Fever, Typhus, Cholera, Diphtheria are not required, in accordance with JTF SEVEN Operations Order 1-53. All personnel traveling to the forward area must have up to date immunizations against the following diseases before leaving the ZI:

- Charge #1
- ✓ (1) Smallpox and typhoid - paratyphoid. (Vaccination or revaccination within three (3) years.)
 - ✓ (2) Tetanus (completion of initial series or stimulating dose every four (4) years.
 - ✓ (3) Delete.

Following the last stimulating dose.

✓ 3. RECORDS AND ALLIED PAPERS:

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ANNEX C, APNDX 3, ATCHMT A C3A-1





ITEM

MANDATORY ALLOWANCE

- Raincoat, blue or synthetic, rubber coated O.D. dismantled 1 each
- Shirt, cotton, khaki 5 each
- Shirt, oxford, blue (or shirt poplin, blue) 2 each
- Shoes, service, black 2 pair
- Shoes, oxford, black 1 pair
- Shorts, athletic 1 pair
- Socks, cotton, black 5 pair
- Trousers, cotton, khaki 5 pair
- Trousers, wool, blue 1 pair
- Undershirts, cotton 6 each
- Towel, large 2 each
- Suits, HBT, 1-piece 3 each
- Fastener Tack 1 each

b. The following tentative list of POM requirements of discretionary organizational clothing and equipment for personnel of TG 7.4 is to be furnished from the organization. Additional directive information (as it becomes available from Air Force) will be furnished:

ITEM

MANDATORY ALLOWANCE

- Bag, clothing, waterproof 1 each
- Blanket, wool, blue (or O.D.) 1 each
- Can, meat 1 each
- Canteen, M-1910 1 each
- Cover, canteen, dismantled, M-1910 1 each
- Cup, canteen 1 each
- Fork, M-1910 1 each
- Glasses, sun, w/case, spectacles, or clip-on 1 pair
- Knife, M-1910 1 each
- Pouch, first-aid packet 1 each
- First-aid packet 1 each
- Spoon, M-1910 1 each
- Belt, pistol or revolver, M-1910 1 each
- Pack, field cargo 1 each
- Suspenders, field pack, cotton, O.D. 1 pair

c. The clothing authorized will be issued prior to departure from home station.

d. Only woolen clothing needed while in a travel status will be taken overseas. Personnel will be required to embark in blue, woolen uniforms with coat (blouse) and garrison cap. Remaining items of woolen clothing, as prescribed in AFR 67-18 will be prepared and stored either at home station or such other locations as desired by the airman concerned. Unit and/or Base Commanders will provide appropriate storage for effects of those airmen who select storage at home station. Reiver of Mandatory Clothing Allowance granted by 2d Indorsement, Headquarters USAF, dated 31 August 1953, to basic letter from TG 7.4, subject: "Mandatory Clothing to Accompany Personnel Assigned to Overseas Installations", dated 11 August 1953.

area. However, each individual should anticipate his needs and take with him as many essential items as is practicable. Following is a suggested list of clothing and equipment:

ITEM

QUANTITIES

- Work or summer uniforms 3 to 6 each
- Undershirts and shorts 8 to 10 each

TASK GROUP 7.4
OPRS ORDER NO. 1-53
ANNEX C, APNDX 3, ATCHMT A

C3A-3



Change #1

Change #2

3. RECORDS AND ALLIED PAPERS: (Page C3A-2)

a. Pay records and all other field personnel records as prescribed by paragraphs 6d(4)(a) and (b), AFR 35-68, as amended, and paragraph 29a(1), AFR 35-580, as amended, in addition to medical and dental treatment records for rated officers will accompany each individual to the forward area; or, arrangements will be made to have such records forwarded by registered mail to the Test Unit with which serving in the forward area.

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b. Officers will personally arrange for the transfer of their pay accounts or make any other special arrangements they desire. (See TG 7.4 Finance Letter #1, dated 20 November 1953.)

c. Each individual will have in his possession the following records:

- (1) WD AGO Form 8-117 (Immunization Record, Individual's Copy).
- (2) Delete.
- (3) WD AGO Form 8-115 (Patients Record of Syphilis Treatment), if appropriate.
- (4) AF Form 617 (Certified Leave Record), Officers Only.
- (5) AF Form 5 (Rated Personnel Only).
- (6) Delete.

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Identification Card

d. Military - A duly authorized Identification Card, prescribed by the service to which each person is assigned, will be in each individual's possession prior to departure from home station for the forward area.

e. Civilian - Air Force civilian employees and other civilians will be required to have WD-AGO Form 65 (Identification Card) prior to departure for overseas.

5. CLOTHING: (Page C3A-2)

a. The following is a list of POM requirements for airman personnel of TG 7.4 to be furnished by the individual from personal clothing allowance and/or organizational equipment as required:

ITEM NO.	ITEM
1.	Bag, barracks, 1 each
2.	Bag, duffle, 1 each
3.	Belt, web, waist, blue, 2 each
4.	Buckle, web, belt, 1 each
5.	Cap, flight, blue, 1 each
6.	Cap, service, 1 piece, blue, 1 each
7.	Coat, wool, service, blue, 1 each
8.	Cover, rain, cap, service, 1 each
9.	Drawers, cotton, shorts, 6 pairs
10.	Necktie, wool, blue, 2 each
11.	Insignia, cap, service, 1 each
12.	Insignia, collar, US silver, 1 pair
13.	Insignia, sleeve, grade, 8 pairs
14.	Raincoat, blue or synthetic, rubber coated, CD dismantled, 1 each
15.	Shirt, cotton, khaki, 5 each
16.	Shirt, oxford, blue (or shirt, poplin, blue) 2 each
17.	Shoes, oxford, black, 1 pair
18.	Shoes, service, black, 2 pairs
19.	Shorts, athletic, 1 each
20.	Socks, cotton, black, 5 pairs
21.	Trousers, cotton, khaki, 5 pairs
22.	Trousers, wool, blue, 1 pair
23.	Undershirt, cotton, 6 each
24.	Towel, large, 2 each
25.	Suits, HBT, 1-piece, 3 each
26.	Glasses, sun, w/case, spectacles or clip-on, 1 each
27.	Footlocker, trunk, 1 each



ITEM

High quarter work shoes
Low quarter shoes
Socks, heavy cotton
Towels (bath and face)
Light raincoat
Hat, sun helmet or cap with visor
Sun glasses
Sewing kit
Clothes hangers
Gym shoes

QUANTITIES

1 to 2 pair
1 to 2 pair
8 to 10 pair
4 each

✓ 6. SECURITY:

a. Safeguarding Information:

- ✓ (1) Security policies established by AFR 205-1, and JTF SEVEN Security letters will be observed.
Memoranda and JTF 7.4 Regulations & Memoranda
- ✓ (2) Personnel will be briefed prior to departure from duty station or location regarding the necessity of self-censorship and informed that they will be exposed to a great deal of classified information which is vital to the security of the nation and that the matter of secrecy is a continuing obligation regardless of assignment or location.

b. Clearance:

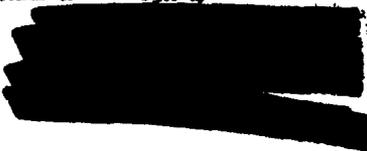
Refer to paragraph, Annex, Appendix
 A Commander may screen an individual's military record or determine whether or not he is a good security risk, and if so, order him to the forward area. However, a request for a National Agency Check must be initiated sufficiently in advance to permit completion of the check prior to 1 January 1956, or personnel must possess a military secret, top secret, and/or a "HQ" clearance. In addition each individual must be cleared for travel to the forward area in accordance with CINCPAC Serial 020, dated 1 April 1952, as amended.

✓ 7. PERSONAL BAGGAGE:

Refer to paragraph ~~8~~, Annex ~~8~~, Appendix ~~8~~.

✓ 8. TRAVEL:

All personnel will proceed to Ports of Embarkation as provided in Movement Travel Orders.



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ANNEX D

In 6 pages

With 5 Appendices

(To be added later)

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ANNEX D

TO

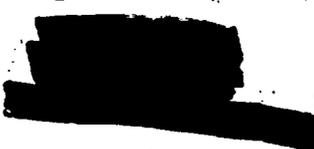
OPERATIONS ORDER NO. 1-53

COMMUNICATIONS

TASK GROUP 7.4
OPRS ORDER NO. 1-53
ANNEX D

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ANNEX D

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TO
OPERATIONS ORDER NO. 1-53
COMMUNICATIONS

HEADQUARTERS
TASK GROUP 7.4, PROVISIONAL
Kirtland Air Force Base, New Mexico
15 August 1953, 1800 T

1. GENERAL CONCEPT OF COMMUNICATIONS OPERATIONS:

a. One permanent relay - crypto center at ENIWETOK will be installed, operated and maintained by TG 7.2. Tributary stations serviced by this relay center will include Headquarters, TG 7.4, which will be responsible for distribution of messages to its subordinate units. For handling of teletype traffic, up to and including SECRET, between major forward and rear echelon Task Force elements the following radio teletype circuits will be operated "ON-LINE", using SIGTOT with SAMSON (synchronous mixer):

- (1) ENIWETOK-OAHU (UHF): One full duplex radio teletype channel (Provided by TG 7.2).
- change 1* (2) ENIWETOK-KWAJALEIN: ^{one (1)} Two full duplex multiplex channels (Provided by TG 7.4).
- (3) ENIWETOK-BIKINI: One full duplex radio teletype channel (Provided by TG 7.2).
- (4) ENIWETOK-LOS ALAMOS: One full duplex radio teletype channel (Provided by TG 7.2).
- change 1* (5) ENIWETOK-AGC (USS ESTES): One ⁽¹⁾ full duplex ^{Multiplex} radio teletype channel (Provided by TG ~~7.2~~ 7.4).
- (6) TG 7.4 traffic destined for the ZI will be routed over established USAF circuits from KWAJALEIN.

b. Traffic not capable of being handled by means of on-line facilities will be enciphered off-line prior to transmission. All TOP SECRET and RESTRICTED DATA traffic will be enciphered off-line. This is necessary to meet AEC Requirements and, in addition, terminal communications personnel are not in all instances TOP SECRET or "QUEBEC" cleared.

c. On ENIWETOK and BIKINI ATOLLS, wire telephone facilities cleared for conversations up to and including SECRET will be made available to the Task Group by Joint Task Force.

d. Voice radio facilities will be available on a closely controlled basis between the following points:

- (1) ENIWETOK-BIKINI (HF)
- (2) ENIWETOK-KWAJALEIN-BIKINI (HF) (TG 7.4 controlled)
- (3) Between ships (UHF, VHF, AN/TRC and HF)

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- (4) Ship - shore (VHF, AN/TRC and HF)
- (5) AOC ENIWETOK-CIC Command Ship (VHF, AN/TRC and HF)
(TG 7.4 controlled)

e. Internal Task Group communications and navigational aids will be furnished from existing AACS facilities augmented as necessary to fulfill operational requirements. Control of Task Force aircraft will be centered aboard the Command Ship (AGC) utilizing radar and radio facilities to be furnished by TG 7.3. An Air Operations Center (AOC) on ENIWETOK ISLAND will be responsible for air traffic control and for the maintenance of a plotted picture of the air situation. Airborne communications and electronic aids for aircraft control will consist of the usual installed electronics equipment together with Mark 10 IFF transponders and interrogators and low frequency radio homing beacons as necessary.

2. MISSION, HEADQUARTERS TG 7.4:

a. Prepare a communications and electronics plan for Operation CASTLE (RESTRICTED, SI).

b. Supervise the installation, operation and maintenance of TG 7.4 communications and electronic aids to aerial navigation.

c. Procure necessary communications and electronics equipment and supplies to meet requirements of TG 7.4.

d. In accordance with Joint Task Force training directives, establish a transmission security training program for all intended users of voice radio facilities and a message drafter improvement program to insure most efficient use of limited operational communications facilities.

e. Submit requirements for frequencies, call signs, routing indicators and address group to Headquarters, JTF SEVEN, prior to 1 September 1953.

f. Submit requirements for communications and electronics facilities for aircraft control in the CIC aboard the AGC and aboard other TG 7.3 ships as required to Headquarters, JTF SEVEN.

3. COMMUNICATIONS TASKS OF SUBORDINATE TASK GROUP UNITS:

a. Test Support Unit:

- (1) Provide organizational and field maintenance for, and operate communications and electronics equipment installed in assigned aircraft.
- (2) Supervise and operate a Task Group radio-radar field maintenance shop for airborne equipment. This shop will be augmented by qualified personnel from the Test Aircraft Unit and the Test Services Unit.
- (3) Provide and maintain necessary inter-communications and public address systems.
- (4) Install, maintain and operate the AN/TTQ-1 Operations Center equipment in the AOC on ENIWETOK ISLAND.

TASK GROUP 7.4
OPRS ORDER NO. 1-53
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- (5) Provide, install and maintain mobile line, crash, security and maintenance control radio equipment.
- (6) Prepare Task Group telephone directory stencils, in format to be designated by the consolidating and issuing agency (TG 7.5).
- (7) Install, maintain and operate a modified Mark 10 interrogator with associated scopes in the AOC, ENIWETOK ISLAND.
- (8) Install and maintain necessary radio and associated equipment for the control of liaison aircraft and helicopter operations on ENIWETOK ATOLL.
- (9) Maintain a crystal bank for all Task Group operational frequencies.

~~(10) A communications officer assigned to the Test Support Unit will be responsible to the senior aircraft controller for the supervision of all communications and electronic facilities in the AOC, ENIWETOK ISLAND.~~

change #1
(11) Install, maintain and operate VHF relay equipment in two (2) C-47 aircraft.

(1) Install, maintain and operate communications and electronics facilities in assigned aircraft to provide:

~~(a) Air-to-ground mission progress and position reporting.~~

~~(b) Air-to-air cloud sampling control.~~

(c) Air-to-air homing.

(d) Radar for navigation and positioning.

(e) Identification for control and positioning.

change #1
(f) B-47 Effects Aircraft: Normal C-E equipment to include AN/APX-6 transponder.

(a) F-84G Sampling Aircraft: AN/ARC-3 VHF transmitter-receiver, AN/ARN-6 radio compass, AN/APX-6 IFF transponder.

(b) B-36 Sampling Aircraft: Normal C-E equipment to include AN/APX-6 IFF transponder.

(c) B-36 Control Aircraft: In addition to the normal C-E equipment to include the AN/APX-6 transponder, the following will be installed: One AN/ARC-3 VHF transmitter-receiver, one LF radio beacon, modified AN/APX-6 interrogators to operate in conjunction with installed radars, suitable scopes for presentation of IFF returns.

(d) Photographic Aircraft: Normal C-E equipment to include AN/APX-6 transponder.

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DOD DIR 5200.10

Note: pages D-4, D-5 missing

(e) B-36 Effects Aircraft: Normal C-E equipment to include AN/APX-6 transponder.

(3) Perform organizational maintenance and provide augmentation for field maintenance to the Test Support Unit, as directed, on communications and electronic equipment installed in assigned aircraft.

c. Test Services Unit:

(1) Provide airways and air communications service in support of JTF operations. The following communications facilities will be installed, operated and maintained:

(a) Communications Center (less code room) on ENIWETOK ISLAND.

change #1
(b) ENIWETOK-KWAJALEIN multiplex radio teletype circuit. One (1) channel to be remoted to the Joint Communications Center ENIWETOK for use by TG 7.2. This channel will be operational on-line by 15 November 1953. One channel to be remoted to the Weather Central ENIWETOK.

(c) Pacific weather radio teletype intercept on ENIWETOK ISLAND.

(d) Tokyo weather facsimile intercept on ENIWETOK ISLAND.

(e) ENIWETOK-BIKINI-KWAJALEIN high frequency radio voice net for aircraft movement control and weather.

(f) ENIWETOK-BONGERIK-PONAPE-KUSAIE-MAJURO high frequency radio CW net for collection of weather data and weather island administration.

(g) Activate existing KWAJALEIN-WAKE crossband circuit.

(h) ENIWETOK-weather reconnaissance aircraft high fre-

change #1
(i) ENIWETOK terminal of a multiplex radioteletype circuit between ENIWETOK and the COMMAND SHIP. One channel to be remoted to the Joint Communications Center, ENIWETOK for use by TG 7.2. One channel to be remoted to the Weather Central, ENIWETOK. Operate the COMMAND SHIP Weather Channel Terminal of this circuit.

(2) Install, maintain and operate the following circuits for use in the AOC on ENIWETOK ISLAND.

(a) Four (4) VHF radio voice air-ground channels.

(b) One (1) high frequency radio voice air-ground channel.

(c) Two (2) high frequency radio voice channels to the CIC aboard the Command Ship.

(d) One (1) AN/TRC VHF FM link with 4-channel carrier (CF-1/EE-101) equipment to the CIC aboard the Command Ship.

(3) Install, maintain and operate the applicable facilities

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as listed in the Radio Facility Charts, Pacific.

- change #1*
- (4) In addition to the facilities referred to in subparagraph (3) above, the following aids to aerial navigation will be installed, maintained and operated:
- (a) Two (2) channels of UHF in the ENIWETOK control tower.
 - (b) Ground Control Approach (AN/CPN-4) on ENIWETOK ISLAND with HF, VHF, and UHF communications facilities.
 - (c) Control tower with two (2) channels of VHF and one (1) channel of HF on BIKINI.
 - (d) Radio beacons on BIKINI and RONGERIK.
 - (e) AN/CPN-6 radar beacons on ENIWETOK and BIKINI ATOLLS.
- change #1*
- (5) Install, maintain and operate following landline teletype facilities:
- (a) One (1) simplex circuit between the AACS Communications Center and the Weather Central ENIWETOK.
 - (b) One (1) simplex terminal in the AOC, ENIWETOK (to JTF Joint Relay Center).
 - (c) One (1) simplex terminal in the weather central (to the Task Force Weather officer, PARRY ISLAND).
 - (d) ~~One (1) duplex terminal in the AACS Communications Center (to JTF Joint Relay Center).~~
- (6) Install, maintain and operate necessary AN/TRC back-up for keying and modulation wire lines on ENIWETOK ISLAND.
- (7) Complete maintenance of all ground equipment operated by the Test Services Unit will be performed by that unit.
- (8) Perform organizational maintenance of airborne equipment and augment the Test Support Unit for field maintenance of airborne equipment.
- (9) Furnish necessary air traffic control personnel for a limited approach control facility in the ENIWETOK AOC.
- (10) Assigned aircraft will have normal communications-electronics equipment installed. All aircraft will be equipped with the AN/APX-6 transponder. In addition, the SA-16's will have a modified AN/APX-6 interrogator operating in conjunction with the installed radar.

change #1

4. GENERAL:

- a. Construction, rehabilitation, installation and service checking of communications facilities in support of Operation CASTLE (RESTRICTED, SI) will be completed by 10 January 1954.

TASK GROUP 7.4
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will be completed by 31 December 1953.

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b. Signal Officer, TG 7.2, will operate a crystal grinding facility to provide emergency production of crystals for all elements of the Task Force. However, every effort will be made to procure all required crystals through established supply channels prior to commencement of the operational phase.

c. Communications operating instructions (COI's) published by Headquarters, Joint Task Force SEVEN, will include a list of approved radio and wire circuits, call signs and frequencies, and uniform Task Force communications operating procedure.

d. All aircraft with the exception of liaison type (L-13's) and helicopters will have the AN/APX-6 transponder installed.

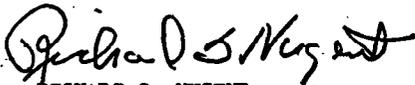
e. Task Unit Commanders are responsible for the suppression of electrical interference being generated by equipment of their Task Units, and will take necessary action to reduce such noises to a point of non-interference with authorized communications facilities.

HOWELL M. ESTES, JR.
Brigadier General, U.S.A.F.
Commander

5 Appendices (To be added later)

1. Communications Circuits
2. Frequencies
3. Call Signs, Code Words
4. Communications Security
5. Air-to-Air and Air-to-Ground Channelization

OFFICIAL:



RICHARD S. NUGENT
Lt Colonel, USAF
Communications Officer

TASK GROUP 7.4
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ANNEX E

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In 5 Pages w/2 Appendices
Consisting of 2 Pages

ANNEX E

TO

OPERATIONS ORDER NO. 1-53

WEATHER PLAN

TASK GROUP 7.4
OPRS ORDER NO. 1-53
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ANNEX E
TO
OPERATIONS ORDER NO. 1-53
WEATHER PLAN

HEADQUARTERS
TASK GROUP 7.4, PROVISIONAL
Kirtland Air Force Base, New Mexico
15 August 1953, 1800T

1. RESPONSIBILITY:

Continue
a. Comdr. TG 7.4 will organize, man, train, administer and logistically support a weather element, composed of detachments as indicated below, to provide meteorological data and to perform radio-logical safety missions required by Comdr. JTF for the conduct of operations in the forward area. Transportation to establish and thereafter to resupply weather stations on outlying islands will be provided by Comdr. TG 7.3.

- (1) A Task Force Weather Central.
- (2) A Weather Reporting Element.
- (3) An Aircraft Weather Reconnaissance Element. The Ground Weather Observation Element and the Aircraft Reconnaissance Element will function under operational control of the Comdr. TG 7.4, while the Comdr. JTF SEVEN will retain operational control of the Task Force Weather Central.

b. Weather Central:

- (1) The Task Force Weather Central will be located on ENIWETOK ISLAND until Comdr. JTF SEVEN transfers his command post to the Command Ship, at which time the Task Force Weather Central will be established aboard the AGC. However, a forecasting and observing section will remain on ENIWETOK to provide the necessary weather service for that location during the time the Task Force Weather Central is afloat.
- (2) Mission:
 - (a) Collect, evaluate and present basic weather information.
 - (b) Prepare weather and upper air forecasts for the Task Force Commander.
 - (c) Provide operational forecasts, flight clearances and such other weather information and services in the area as may be appropriate.
 - (d) Coordinate the operational effort of the outlying weather stations and weather reconnaissance aircraft.
- (3) Requirements:

- (a) Collect, plot, analyze and display weather information covering the Pacific Ocean area, with emphasis on the Central Pacific and MARSHALL ISLANDS.
- (b) Prepare briefing charts and forecasts for use in the Joint Task Force Headquarters.
- (c) Issue operational forecasts to JTF SEVEN subordinate commands as required.
- (d) Coordinate the operational effort of the outlying land stations.
- (e) Coordinate the aircraft weather reconnaissance effort with respect to tracks to be flown.
- (f) Assume overall responsibility for informing participating units in Operation CASTLE (RESTRICTED, SI) of tropical storms and typhoons in accordance with existing area directives. All observations, advisories and warnings transmitted will contain information addressees as follows: CINCPAC, plus cognizant Air Force and Navy weather centrals in the Pacific Ocean area.
- (g) Establish full scale operations on or before the first shot, minus thirty-five (35) days.
- (h) Plan to remain fully operational for a period of 120 days.

c. Weather Reporting Element:

- (1) In addition to the existing weather facilities in the Pacific Ocean Area, completely self-contained weather stations will be established on the outlying islands of KUSAIE, RONGERIK, MAJURO and PONAPE.
- (2) Mission:
 - (a) Provide surface and upper air weather data necessary to meet the peculiar demands of the operation.
 - (b) Provide administrative and logistic support to the Weather Central.
- (3) Requirements:
 - (a) Possess a capability to take 24 hourly surface observations daily and four rawinsonde observations daily. The rawinsonde observations will attain a minimum height of ninety thousand (90,000) feet. All observations will be taken in accordance with current procedures and expeditiously transmitted to the Task Force Weather Central.

- (b) Assemble personnel and equipment at a central location in the ZI by the first shot, minus eighty (80) days.
- (c) Insure that all outlying stations are in place and fully operational on or before the first shot, minus thirty-five (35) days. (See Annex M)
- (d) Aircraft Weather Reconnaissance Element:

(1) The Aircraft Weather Reconnaissance Element will be based on ENIWETOK.

(2) Mission:

- (a) Obtain inflight weather observations in accordance with current procedures along tracks and at times requested by the Task Force Weather Central.
- (b) Conduct radiological safety tracking missions.
- (c) Conduct typhoon reconnaissance flights.

(3) Requirements:

- (a) Fulfill the following requirements for an on-site operational period of approximately 100 days.
 - 1. Two (2) weather missions each day of approximately 12 hours duration, commencing on first shot minus twenty (20) days.
 - 2. Three (3) weather missions each day of approximately 12 hours duration, commencing on shot minus four (4) days.
 - 3. Post-shot missions in connection with radiological safety, consisting of two (2) missions each day of approximately 12 hours duration, from shot day until shot plus two (2) days.
 - 4. Be prepared for possible delays in the operation which may extend the requirements listed in subparagraph 2 above for an additional three (3) days.
- 5. Beginning on 7 February 1954, assume typhoon reconnaissance responsibility in the area bounded by the Equator, latitude 25° North, the Meridian of 180° and longitude of 157°31' East. The Joint Task Force Weather Central will coordinate this effort.

d. Weather Units Afloat:

- (1) Command Ship aerological personnel will augment and be assigned to duty in the Task Force Weather Central while afloat. Such

TASK GROUP 7.4
OPRS ORDER NO. 1-53
ANNEX E

aerological personnel will be under the direction and control of the Comdr. Task Force Weather Central.

2. INSTRUCTIONS OF GENERAL APPLICATION:

- a. Warning and advisories for typhoons or other storms will be assigned "EMERGENCY" (O) precedence.
- b. For purposes of standardization, typhoon readiness conditions are defined in the Pacific Ocean Area as follows:

Condition III. Typhoon winds or winds of fifty (50) knots or more are anticipated within forty-eight (48) hours.

Condition II. Typhoon winds or winds of fifty (50) knots or more are anticipated within twenty-four (24) hours.

Condition I. Typhoon winds or winds of fifty (50) knots or more are anticipated within twelve (12) hours.
- c. Relay of Weather Reports. Responsibility for prompt delivery of all weather reports from outlying stations and weather reconnaissance aircraft to AACS at ENIWETOK for transmission on the Pacific Ocean Area weather broadcast network has been assigned to the Chief, Task Force Weather Central by Comdr. JTF SEVEN.

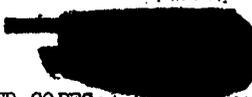
3. WEATHER COMMUNICATIONS AVAILABLE TO THE JOINT TASK FORCE:

- a. CW - Net circuit between the Weather Central and outlying weather islands. Circuits for intercept of Pacific weather broadcasts and aircraft reports in the Weather Central.
- b. RTTY - Intercept of Pacific broadcasts in the Weather Central.
- c. VOICE - Circuit between the Weather Central and WB-29 aircraft (available at specified times only).
- d. RADIO FACSIMILE - Standard receiving equipment in the Weather Central.
- e. General: Times, frequencies and contents of the Pacific Ocean area weather broadcasts are available in current Air Force and Navy publications.

4. WEATHER RECONNAISSANCE TRACKS: Tracks to be flown will be established by separate directive prior to commencement of overseas operations.

TASK GROUP 7.4
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E-4



5. SPECIAL WEATHER CODES: Special weather codes for either land stations or reconnaissance aircraft will be established by separate directive prior to commencement of overseas operations.

APPENDICES:

1. Location Chart of Weather Units
2. Weather Organization Chart

HOWELL M. ESTES, JR.
Brigadier General, U. S. A. F.
Commander

OFFICIAL:

Harry B. Allen
 HARRY B. ALLEN
 Lt. Colonel, USAF
 Director of Operations

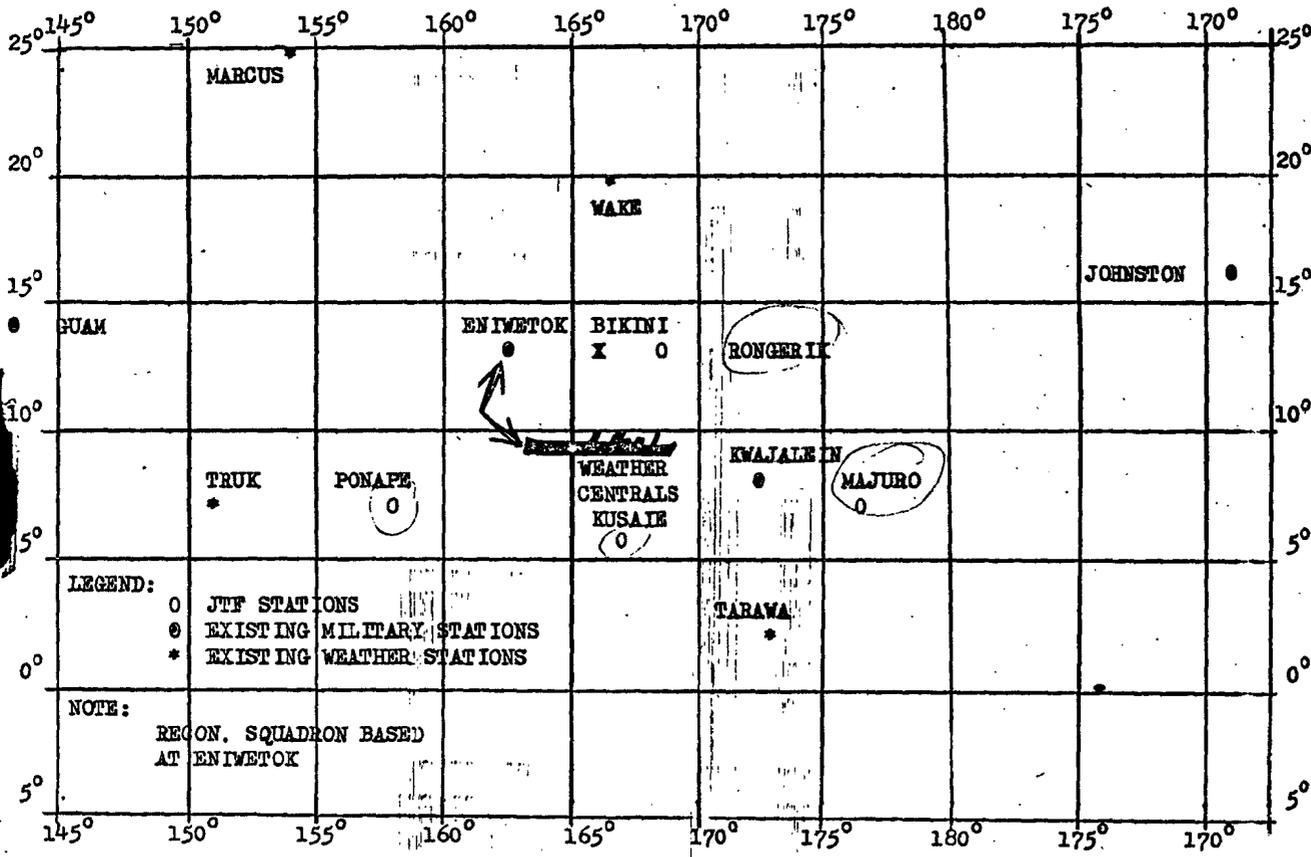
TASK GROUP 7.4
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LOCATION CHART OF WEATHER UNITS



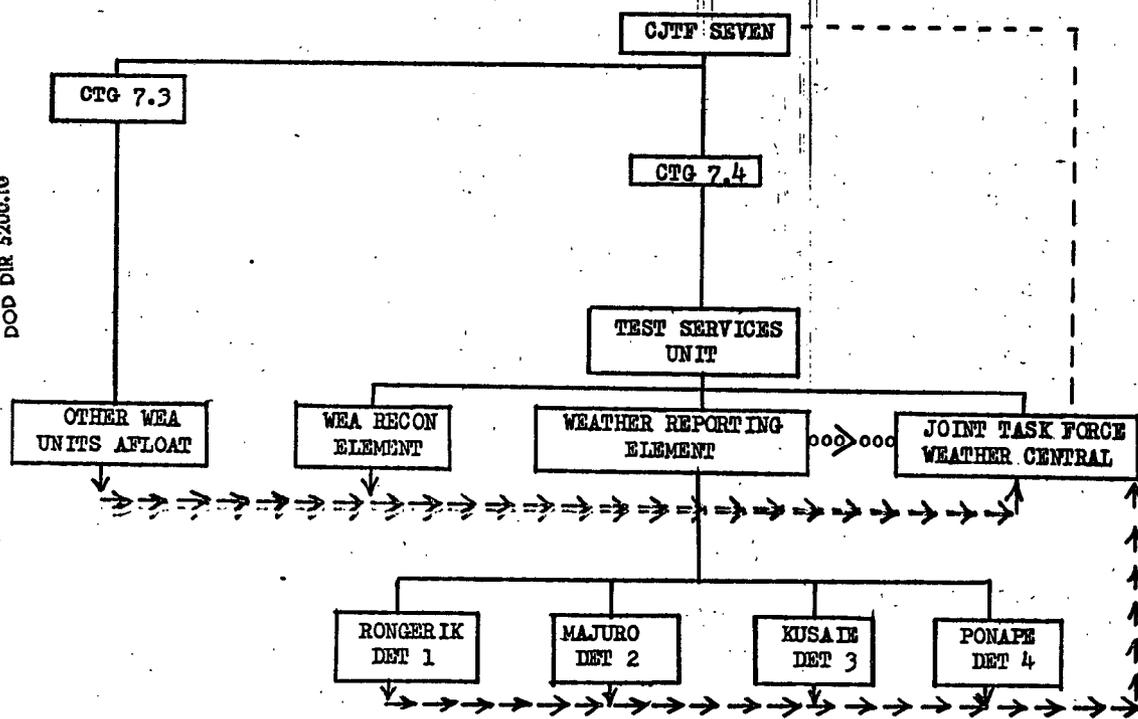
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WEATHER ORGANIZATION CHART, JOINT TASK FORCE SEVEN



LEGEND: — COMMAND → → → WEATHER INFORMATION
 - - - OPERATIONAL CONTROL ○○○○○ ADMINISTRATIVE & LOGISTIC SUPPORT

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ANNEX F, APRIX 2

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APPENDIX 3
TO
ANNEX E
OPERATIONS ORDER NO. 1-53

CLIMATOLOGY OF BIKINI-ENIWETOK AREA FOR MONTHS OF JANUARY THROUGH APRIL

1. INTRODUCTION:

a. The following information for planning purposes is based on weather records collected during World War II and during post-war activities at the ENIWETOK Proving Ground. Weather statistics are useful but prove nothing unless the results are subject to a complete physical explanation. Most meteorological phenomena are not subject to such explanations, but brief reference is made to the latest hypotheses which are the results of intensive research on tropical weather. During short periods of a month or a season the atmosphere may behave in a manner strikingly different than past records may lead a planner to expect. The variations from conditions anticipated on the basis of past records are the responsibility of the Task Force weather units to detect, evaluate, and predict.

2. GENERAL:

a. During this period, the "dry" or "trade" season in the Marshall Islands, northeasterly winds blow with great persistence in the lower levels. Overlying the northeasterly or trade winds, the winds tend to become westerly. Both the trade winds and the higher predominantly westerly winds are subject to frequent cyclonic circulations or disturbances in the form of eddies, vortices, or minor perturbations. Many of the variations of the weather over the Marshalls are attributed to these disturbances. In the lower levels the eddies are most intense along the equatorward edge of the trade circulation (0 to 10N in the Northern Hemisphere). These low level eddies are rapidly damped to the north and rarely pass directly over the northern Marshalls. However, their formation, movement and decay contribute to significant day to day changes in the ENIWETOK-BIKINI weather.

3. FRONTS:

a. The terms "Intertropical Front" and "Equatorial Front" are in actuality misnomers. A density discontinuity and proper wind shear must exist to define a front. Rather conclusive evidence exists that significant horizontal density discontinuities do not exist in the Marshalls. The areas formerly designated "Intertropical or Equatorial Fronts" are in reality the paths of the low level eddies and vortices. The pattern of circulation about these disturbances produces areas and lines conducive to vertical motion. It is along these lines and in the areas where vertical motions are predominantly upward that middle and high cloudiness becomes extensive, precipitation general, and thunderstorms develop. The weather associated with these lines appears similar to the weather accompanying the true fronts of higher latitudes. However, these lines do not form, do not move, nor are they subject to the same forecasting techniques as true fronts.

4. WEATHER:

a. The term "dry" for this season is relative only. Small, widely scattered showers falling from the prevalent "trade" cumulus clouds are nearly always within sight of ENIWETOK and BIKINI. The science of meteorology has not developed to the point where the precise location of individual showers can be reliably predicted.

b. During these four months in the years 1950 through 1953, inclusive, ceilings have never been observed at 500 feet or less. Visibilities have been observed below 3 miles on an average of one day in 20. Precipitation, including

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rain showers and thunderstorms, is the exclusive cause of the low visibilities. The duration of the showers (and the low visibilities) is generally 30 minutes or less.

5. CLOUDS:

a. At 0630 local time an even chance exists that the total sky coverage (all clouds considered - low, middle, and high) will be 7/10 or more. But overcast (10/10 coverage) conditions may be expected only about 20% of the time. There is a slight tendency for overall cloudiness to increase as the season progresses, also for a daily maximum of cloudiness to occur near sunrise.

b. About 75% of the time the "trade" cumulus, normally based at 1800 to 2000 feet with tops at 8000 to 10000 feet, will cover 2/10 to 4/10 of the sky. The middle clouds (10000 to 25000 feet) will be associated with the eddies previously mentioned. At times these clouds may become very extensive, very thick, and remarkably persistent. Cirrus clouds are commonly present. Difficulties in precisely observing and measuring these translucent, hazy type clouds make a complete analysis of present data on cirrus of dubious value.

6. WINDS:

a. At the surface the persistent trade winds blow from the ENE to NE at 10 to 20 knots. Although such persistence in direction and speed is not found aloft, above 25000 to 30000 feet westerly winds are observed about 65% of the time. The frequency of occurrence of the westerlies above 25000 feet increases as the season progresses. The height at which the westerlies first appear has a wide range. The prediction of this height is one of the most complex forecasting problems.

b. At ENIETOK, 80% of the time wind speeds at any level up to 50000 feet may be expected to be 30 knots or less. An analysis was made of 617 individual rawin ascents which resulted in 2456 separate observations as follows: 617 at 10000 feet; 591 at 16000 feet; 535 at 26000 feet; 475 at 33000 feet; and 238 at 49000 feet. The analysis showed only one occurrence of a wind speed greater than 58 knots. However, in the area to the east of ENIETOK, the frequency of strong west winds increases considerably. For example, during Operation SANDSTONE (UNCLASSIFIED) the frequency of winds above 50 knots in the RONGERIK area was observed to be 15%. At the same time the frequency of 50 knot winds increased to the north and east to as much as 55% at LAKE. It is believed that the SANDSTONE (UNCLASSIFIED) period represented a large deviation from conditions which are normally prevalent.

7. TROPOPAUSE:

a. The tropopause is the transition zone between the troposphere and the stratosphere. It is most frequently found between 54000 and 60000 feet above the Marshalls. The temperature of the tropopause in this area will be -75 to -80 degrees Centigrade with warmer temperatures above and below the tropopause. Temperatures near -65 degrees Centigrade should be expected at 45000 feet.

8. TYPHOONS:

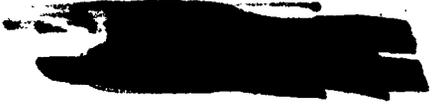
a. The months January through April experience a minimum of typhoon activity in the Southwest Pacific area. Usually about two typhoons occur during this four month period. The chance is remote, however, that ENIETOK will be directly affected. The Task Force Weather Central and the Weather Reconnaissance Element will work closely with the Typhoon Warning Center and the 54th Strategic Reconnaissance Squadron (Weather) at Guam to detect and locate all suspected or actual typhoons which might affect the Marshall Island area. Appropriate advisories and warnings will be issued to all units when these destructive storms might affect Task Force activities.

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OPRS ORDER NO. 1-53
ANNEX E, ANNEX 3

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Annex F
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ANNEX F

TO

OPERATIONS ORDER NO. 1-53

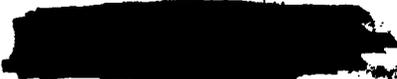
TRAINING

TASK GROUP 7.4
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ANNEX F
TO
OPERATIONS ORDER NO. 1-53
TRAINING

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HEADQUARTERS
TASK GROUP 7.4, PROVISIONAL
Kirtland Air Force Base, New Mexico
15 August 1953, 1800T

1. PARENT COMMANDS:

a. Parent commands will be requested to accomplish TG 7.4 Zone of Interior training as indicated below:

(1) Unit Training:

- (a) Preparation for Overseas Movement: Preparation for movement of personnel, personal and organizational equipment and personnel records will be conducted in accordance with Annex C, Appendices 2 and 3.
- (b) Familiarization in Arms: All personnel will be trained in the care, operation and firing of individual weapons as required in AFR 50-22. Completion of training will be recorded as required in paragraph 6, AFR 50-22.
- (c) Security: All personnel will be instructed as to policies set forth in Air Force Regulations 205-1, 205-6 and amendments covering Atomic Energy Information. Security examinations will be maintained for each individual. Instructions and directives for Security training are listed in Annex G.
- (d) Radiological Training, Unit Responsibilities for Radiological Precautions, Duties and Training are listed in Annex H. All overseas radiological training requirements will be submitted to the Test Aircraft Unit through this Headquarters. Records of radiological training received by personnel in the Zone of Interior will be forwarded to the Test Aircraft Unit through this Headquarters upon their arrival in the forward area.
- (e) Weather and Climate: All personnel will be instructed on the effects of tropical climate on personal and organizational equipment and will be adequately trained in effective precautions, counter measures and protective techniques to the degree required consistent with their individual duty assignments. (Reference AFM 71-1.)

TASK GROUP 7.4
OPRS ORDER NO. 1-53
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(2) Flying Training:

- (a) Flying training requirements and standards will be coordinated individually with parent commands.

(3) Individual Training:

- (a) Training as required by current Air Force publications and parent command regulations will be continued as consistent with the mission of TG 7.4. The publications listed below are included as a guide.

1. Military Training: AFM 35-15, 50-8.
2. Physical Training to Include Aquatic Survival: AFR 50-5 and AFM 50-5.
3. Ground Safety: AFR 32-1, 32-2, 32-3.
4. Sanitation and First Aid: FM 21-10.
5. Troop Information: AFR 34-3.

~~6. Chemical Warfare and Radiological Defense: AFR 50-25, 355-3, FM 3-6, 21-40 and AFM 50-4.~~

7. Weapons Firing: AFR 50-13, 50-22 AFM 50-4 and FM 23-35.
8. Fire Prevention and Protection: AFR 85-6.
9. Military Justice: Uniform Code of Military Justice, 1951.
10. Indoctrination of Personnel in Preservation, Packaging and Packing of Military Supplies and Equipment: AFM 71-3.
11. On-the-Job Training: AFR 50-23.
12. Flight Safety: AFR 62-6.
13. Emergency Procedures and Survival (Emergency Operating Instructions, Technical Orders for Type of Aircraft Concerned and Flight Operating Instructions: AFM 64-5, 64-13, 64-15, 64-25 and 64-26.

2. TRAINING REPORTS:

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a. In the near future a monthly Unit Status Report for TG 7.4 elements will be requested of parent commands. This report will include a training status section.

HOWELL M. ESTES, JR.
Brigadier General, U. S. A. F.
Commander

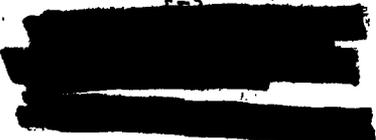
OFFICIAL:

Harry B. Allen
HARRY B. ALLEN
Lt Colonel, USAF
Director of Operations

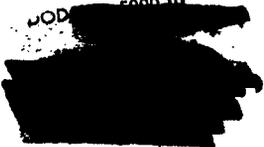
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Annex G
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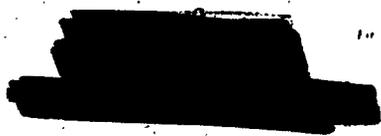
ANNEX G

TO

OPERATIONS ORDER NO. 1-53

SECURITY AND PUBLIC INFORMATION

TASK GROUP 7.4
OPRS ORDER NO. 1-53
ANNEX G



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ANNEX G

TO

OPERATIONS ORDER NO. 1-53
SECURITY AND PUBLIC INFORMATION

HEADQUARTERS
TASK GROUP 7.4, PROVISIONAL
Kirtland Air Force Base, New Mexico
15 August 1953, 1800 T

PART I - SECURITY

1. SECURITY POLICY:

a. Security policy of TG 7.4 is set forth in Group Memoranda (Security Memoranda, 205 series), published by this Headquarters. These policies are published to facilitate implementation of necessary security measures as directed by JTF SEVEN for Operation CASTLE (Restricted, SI) and instructions that may be issued by CINCPAC in relation to BIKINI ATOLL.

2. RESPONSIBILITY:

a. The Comdr, TG 7.4, is responsible for the overall security of TG 7.4, which includes security indoctrination, training and security of operations. All security activities and instructions will be performed through normal command channels.

b. The Commanders of Units within TG 7.4 are responsible for:

- (1) Proper clearance of all personnel assigned or attached to their respective units in accordance with instructions contained in Security Letters and Memoranda, Hq, JTF SEVEN, and TG 7.4 Security Memoranda, 205 series.
- (2) Indoctrination and training of all personnel assigned or attached to their respective units in the proper manner of handling classified documents.
- (3) Continuous action to insure that all personnel realize the seriousness of loose talk and divulging of classified information concerning the activities of Operation CASTLE (Restricted, SI). In this connection, the following will be brought to their attention and explained to them in detail:
 - (a) AFR 205-1 and changes.
 - (b) AFR 205-25.
 - (c) Section 10 (b) (1), (2), (3) and (4) of the Atomic Energy Act of 1946.

TASK GROUP 7.4
OPRS ORDER NO. 1-53
ANNEX G



- (4) Establishment and unit operation of an internal system to anticipate and forestall the work of foreign and domestic enemies in matters relating to subversion, sabotage, espionage, disaffection, security violation, treason and sedition.

3. REPORTING ESSENTIAL ELEMENTS OF INFORMATION:

a. A report will be made to the office of the Commander or the Security Officer immediately when:

- (1) Character and loyalty of any JTF SEVEN personnel is doubtful.
- (2) Possible espionage is indicated.
- (3) Any possibility of sabotage exists.
- (4) Any suspicious or unidentified aircraft, surface or submarine vessel are observed in the area.
- (5) Any questionable acts or incidents observed which tend to create suspicion.

4. SECURITY CLEARANCES:

a. Criteria for security clearance, movement control, and security policy of Comdr JTF SEVEN and TG 7.4 are set forth in Memoranda, letters and other forms of instructions. Movement control instructions for entry into the ENIWETOK and BIKINI ATOLLS are issued by CINCPAC.

b. Personnel Clearances: The following will be processed for clearances in accordance with JTF SEVEN Security policy.

- (1) "Q" Clearances:
 - (a) Commander and key staff personnel of TG 7.4.
 - (b) Unit Commanders of TG 7.4 and their key staff personnel who may require access to Restricted Data from personnel of TG 7.1.
 - (c) All communications personnel performing duty in the Communication Center who handle classified messages, as well as communications maintenance personnel.
 - (d) All security personnel based on ENIWETOK and BIKINI.
 - (e) All others that may require access to RESTRICTED DATA from personnel of TG 7.1.
- (2) National Agency Check (NAC) Clearances:
 - (a) All other personnel in TG 7.4 not included in (1) above will have a NAC clearance as a minimum requirement.



- (3) Personnel who, as the result of investigation, are not considered good security risks will be eliminated from the Task Group.
- (4) Proper security clearance requirements for replacement personnel must be accomplished by the parent organization prior to departure of the replacement to the forward area.

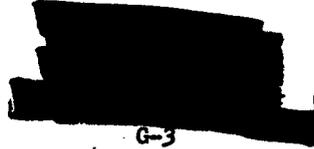
c. Classification Criteria:

- (1) The existence of JTF SEVEN, the Commander and key staff, the designation of Task Groups and their key staff - UNCLASSIFIED.
- (2) General statement of mission (i.e., to conduct tests at ENIWETOK and BIKINI ATOLLS) -- SECRET, SECURITY INFORMATION.
- (3) Proposed exact time (i.e., month and day of year of tests) - SECRET, SECURITY INFORMATION.
- (4) Number of devices to be tested - SECRET, SECURITY INFORMATION.
- (5) Type of weapons (including any description) - SECRET, SECURITY INFORMATION, RESTRICTED DATA.
- (6) The DMA AEC codeword CASTLE when used alone - RESTRICTED, SECURITY INFORMATION; when used in conjunction with JTF SEVEN letterhead or in any way that identifies it as an operation, i.e., Operation CASTLE - RESTRICTED, SECURITY INFORMATION; when used in connection with its full meaning - SECRET, SECURITY INFORMATION.
- (7) JTF SEVEN Operations Order 1-53 - SECRET, SECURITY INFORMATION.
- (8) Detailed organization and composition of JTF SEVEN - CONFIDENTIAL, SECURITY INFORMATION; outline or organization not revealing units or missions - RESTRICTED, SECURITY INFORMATION.
- (9) Personnel assignment orders - RESTRICTED, SECURITY INFORMATION.
- (10) A detailed classification guide will be published.

d. Photography:

- (1) Only official photography is authorized at ENIWETOK and BIKINI ATOLLS. The possession of personal cameras, film and other photographic equipment at ENIWETOK and BIKINI ATOLLS is prohibited. All official photography will be classified in accordance with AEC and Service Security regulations but in no case with a lower classification than RESTRICTED.

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e. Contraband:

- (1) Individuals ordered to the forward area should have been advised of the prohibition of contraband items listed herein and, if possible, the transfer or travel orders should include a statement of this prohibition. All types of the following items are considered contraband: cameras, film, photo laboratory equipment, binoculars, privately owned firearms, signaling devices (signaling guns, shielded flashlights, flares and similar devices), radio transmitters, all weapons (except small pocket knives), fireworks, intoxicants and narcotics.
- (a) Items of contraband will be confiscated on arrival in the forward area unless personnel are duly authorized such items in the execution of their duties.
- (b) Exposed film found in possession of an individual will be confiscated and forwarded to TG 7.1 for processing and classification in conformance with existing AEC regulations.

f. Censorship:

- (1) No censorship of personal mail is contemplated.

g. Security Inspections:

- (1) Inspections will be conducted upon arrival of personnel and periodically thereafter to detect security violations and contraband items, to insure use of proper identification credentials and proper safeguarding of classified matter.

h. Communication Security:

- (1) Communications security monitoring will be accomplished by and under the direction of the Staff Communications Section in coordination with the Staff Personnel Security Section, TG 7.4.

i. Security Violations - Compromise of Classified Matter:

- (1) Upon the discovery of a violation of security regulations, a suspicion or allegation of a violation or the compromise of classified matter, the individual observing the violation or compromise will report same immediately to the Task Group Commander or his representative (Personnel Security Officer, TG 7.4) who will initiate an investigation. Qualified investigators are available from Headquarters, JTF SEVEN, and will conduct such investigations. The Task Group Commander will be responsible for the proper utilization of investigative personnel during the course of investigation and for the submission of preliminary and periodic reports to Comdr JTF SEVEN until the case is closed.

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j. Security Patrols:

- (1) The Commander, TG 7.2, is responsible for conducting the necessary security patrols within ENIWETOK-BIKINI ATOLLS. Air and sea security patrols outside the ENIWETOK-BIKINI ATOLLS will be the responsibility of CTG 7.3.

k. Travel Security Control:

- (1) CINCPAC Serial 020, dated 1 April 1952, outlines the requirements for entrance to the ENIWETOK-BIKINI operational or closed area, as defined on page 1 paragraph 1a (4) of JTF SEVEN Operations Order 1-53.
- (2) The Commander, TG 7.2 is responsible that individuals arriving at ENIWETOK-BIKINI operational area who have not been cleared for entry under CINCPAC Serial 020 are restricted to ENIWETOK ISLAND, pending proper clearance.
- (3) Travel within the ENIWETOK-BIKINI operational area will be controlled by a badge system for access to the higher classified security areas.
- (4) All persons who are authorized to enter the ENIWETOK-BIKINI operational area will be initially cleared under the provisions of CINCPAC Serial 020. Task Group Commanders may authorize reentry without recourse to CINCPAC.

l. Security Areas:

- (1) The "ENIWETOK-BIKINI Danger Area", as described on page A-5 of this operation order, consists of three (3) classified area categories, defined by AEC GM Security Bulletin No. 18, for purposes of security enforcement. These areas are:
 - (a) Exclusion Area. An area of vital installations requiring maximum security protection - i.e., a shot site.
 - (b) Limited Area or Restricted Area. An area requiring less protection than an exclusion area - i.e., PARRY ISLAND.
 - (c) Closed Area or Controlled Area. An area requiring less protection than a limited or restricted area - i.e., entire ENIWETOK-BIKINI operational area.
- (2) Exclusion areas and limited or restricted areas are established by CJTF SEVEN. The internal security requirements of these areas are determined by CTG 7.5. The Commander, TG 7.2, will guard these areas, admitting only those persons authorized by CJTF SEVEN.

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- (3) The closed or controlled area has been established by CINCPAC. Admittance to this area is authorized by CINCPAC upon recommendation of CJTF SEVEN. The internal security of this area is the responsibility of the atoll commander.
- (4) Clearance requirements for access to the security areas are designated as follows:

<u>JTF TERMINOLOGY</u>	<u>JTF CLEARANCE REQUIREMENTS</u>	<u>AEC TERMINOLOGY</u>	<u>AEC CLEARANCE REQUIREMENTS</u>
Exclusion Area	"Q" Clearance Access List	Exclusion Area	"Q" Clearance Access List
Restricted Area	"Q" Clearance; Top Secret Military Clearance; Secret Military Clearance under escort	Limited Area	"Q" Clearance; "P" approval under escort (without access to Restricted Data); Top Secret Clearance (provided no access to Restricted Data from AEC Contractor personnel); Secret Military Clearance under escort
Closed Area	Good Security Risk (CINCPAC Serial 020)	Controlled Area	"P" approval or good security risk (CINCPAC Serial 020)

m. Badge System. A badge system will be established for the control of travel to the exclusion area and limited or restricted areas. The Commander, TG 7.2, will be responsible for controlling and enforcing this system on orders promulgated by CJTF SEVEN. The Commander, TG 7.5, will be responsible for procurement and issue of badges as set forth in JTF SEVEN Security Memoranda. The badge system will become effective on or about 1 January 1954.

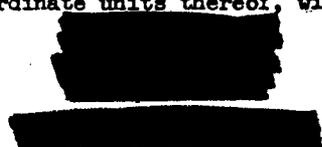
n. Counterintelligence. The Commander, JTF SEVEN, will have operational control of all CIC units. The Commander, TG 7.4, will have operational control of all OSI agents, whose activities will, in general, be confined to Air Force matters.

PART II - PUBLIC INFORMATION

5. PUBLIC INFORMATION:

a. In compliance with established JTF SEVEN policy, personnel of this headquarters or subordinate units thereof, will not make any public information releases.

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b. Releases to the press in regard to Joint Task Force SEVEN operations and activities are made only by the AEC or DOD.

c. Personnel of the Task Group 7.4 are prohibited from releasing any information for publication, in regard to the Joint Task Force or its activities. They must neither confirm nor deny any articles appearing in the press. Queries from the press or elsewhere will be referred to DOD - AEC releases.

d. Department of Defense - Atomic Energy Commission (DOD-AEC) releases, when made, will be disseminated to all units of JTF SEVEN through normal communication channels at the earliest possible time.

e. Attention is invited to AFR 190-6, dated 13 October 1952, regarding proper procedures to be followed in clearing material for public release. This material concerns military subjects other than information as referred to in paragraph c above.

HOWELL M. ESTES, JR.
Brigadier General, U. S. A. F.
Commander

OFFICIAL:

William R. Hanna
WILLIAM R. HANNA
Lt Colonel, USAF
Personnel Security Officer

TASK GROUP 7.4
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ANNEX H

In 3 pages w/1 Appendix
consisting of 4 pages

ANNEX H

TO

OPERATIONS ORDER NO. 1-53

RADIOLOGICAL SAFETY

TASK GROUP 7.4
OPRS ORDER NO. 1-53
ANNEX H

Declassified
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ANNEX H
TO
OPERATIONS ORDER NO. 1-53
RADIOLOGICAL SAFETY

HEADQUARTERS
TASK GROUP 7.4, PROVISIONAL
Kirtland Air Force Base, New Mexico
15 August 1953, 1800T

1. GENERAL:

a. The term Radiological Safety Operations (short term RAD-SAFE OPRS) is a general term used herein to denote the broad aspect of safety for personnel from radiological hazards. It will include training personnel in radiological safety procedures, passive radiological safety measures, decontamination activities for personnel and materiel, and the collection, recording and evaluation of research data to be translated into operational procedures for Air Force usage. The terms Radiological Safety - Rad Safety - Rad-Safe are used interchangeably to denote the specific application of Radiological Safety Operations for the prevention and avoidance of health hazards to personnel. Radiac equipment is radiation detection equipment, such as Geiger-Mueller Survey Meters and Gamma Ionization Chamber Survey Meters.

b. The purpose of this plan is to furnish instructions to all units of TG 7.4 for the conduct of Radiological Safety Operations during Operation CASTLE (RESTRICTED, SI).

c. The Comdr, TG 7.4, will establish a code to be used in conjunction with periodic weather reconnaissance reports to report approximate air radiation intensities encountered on regularly established weather reconnaissance or cloud tracking flights.

2. TASKS OF OTHER TASK GROUPS:

a. The Comdr, TG 7.1, will perform the following services:

- (1) Perform all ground monitoring services associated with scientific missions, except those in conjunction with aircraft and airborne collection of scientific data.
- (2) Provide laboratory services and technical assistance to all Task Groups, to include:
 - (a) Procurement of film badges and specified supplementary items of personnel radiological safety equipment.
 - (b) Laboratory services to develop and interpret film badges.
 - (c) Personnel records of exposures from film badges.

b. The Comdr, TG 7.4, will perform all ground monitoring services associated with ENIWETOK ISLAND, except in those areas or activities assigned to other Task Groups.

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3. TASKS FOR SUBORDINATE UNITS:

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a. Test Support Unit:

- (1) Provide helicopter and liaison air service for radiological surveys and post-shot recovery operations as directed by CJTF SEVEN. Monitors will be furnished by TG 7.1. (See paragraph 3a basic order and ANNEX N.)
- (2) Provide radiac equipment, decontamination equipment, protective clothing and similar supplies required in the forward area by TG 7.4.
- (3) Provide repair, spare parts and calibration facilities for TG 7.4 radiac equipment.
- (4) Provide primary decontamination crews and facilities for aircraft at ENIWETOK ISLAND and limited crews and facilities at the BIKINI airstrip.
- (5) Assist TG 7.3 in aircraft decontamination with TG 7.4 equipment, if required.
- (6) Promulgate an air radex for each shot.
- (7) Perform ground monitoring services on ENIWETOK ISLAND within those areas in which personnel of TG 7.4 are assigned.
- (8) Monitor the loading of filters and the removal and packaging of radioactive samples.

b. Test Aircraft Unit:

- (1) Conduct suitable rad-safe briefings for all TG 7.4 air crews.
- (2) Perform organizational maintenance on specialized radiac equipment installed in organizational aircraft.
- (3) Provide services for the removal and packaging of radiological samples or data collected by aircraft.

c. Test Services Unit:

Provide cloud tracking aircraft for collection of post-shot radiological safety "situation data" up to radius of 500 miles from target area for a period of forty-eight (48) hours, starting at approximately H plus 6 hours for each shot.

d. All Units:

- (1) Provide and train radiological safety monitors, including one airborne monitor for each multi-engine aircraft crew assigned to TG 7.4.

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- (2) Indoctrinate all assigned personnel in basic radiological safety measures and techniques.

1 Appendix:
 TG 7.4 Radiological
 Safety Regulation

HOWELL M. ESTES, JR.
 Brigadier General, U. S. A. F.
 Commander

OFFICIAL:

Harry B. Allen
 HARRY B. ALLEN
 Lt. Colonel, USAF
 Director of Operations



9. All samples of radioactive material which are couriered in aircraft will be packaged and loaded so as to reduce radiation to a minimum. The Rad-Safe Officer of TG 7.4 will have a survey made of the package to determine if adequate precautions have been taken. The following criteria will determine space and packaging requirements:

- a. Prior exposure of aircraft and courier personnel.
- b. Anticipated future exposures on trip.
- c. Length of time of exposure on trip.
- d. In all cases, crew members will be limited to exposure rates of less than twenty (20) mr/hr.

10. All air and surface vehicles or craft used in contaminated areas will be checked through the appropriate Task Group decontamination section upon return from such areas.

11. The Maximum Permissible Limits (MPL's) of contamination listed herein are to be regarded as advisory limits for control of contamination under average conditions, and are subject to revision by waiver from the Task Force Commander in individually designated cases when extenuating circumstances indicate the need and justification therefor. All readings of surface contamination are to be made with Geiger counters, with tube walls not substantially in excess of thirty (30) mg/cm² with shield open. The surface of the probe should be held one (1) inch to two (2) inches from the surface that is under observation unless otherwise specified. In all cases other than emergency or tactical situations, the ultimate criteria will be limited by the authorized MPL's for personnel, with measurements made using standard equipment and techniques for such exposure. Special instances may arise after shot time such as in the case of an air sea rescue within the atoll lagoon and inside the surface radex in which rescue operations will be carried out without regard to the radiological hazard. Monitors aboard rescue craft shall be required to determine the extent of the actual radiation hazard experienced in order that appropriate medical test may be initiated. For emergency operations, the criteria prescribed for tactical situation (par 12 below) will be used as a guide. For operational purposes the MPL's presented below will not be considered applicable to spotty contamination provided such areas can be effectively isolated from personnel.

- a. Personnel and clothing MPL's are as follows:
 - (1) Skin readings should not be more than one (1) mr/hr. Complete decontamination by bathing will be utilized for readings in excess of this level. Beta radiation exposure to the hands should not exceed 30.0 rep/week.
 - (2) Underclothing and body equipment such as the internal surfaces of respirators should be reduced to two (2) mr/hr.
 - (3) Outer clothing should be reduced to seven (7) mr/hr.



b. Vehicle MPL's:

- (1) The interior surfaces of occupied sections of vehicles should be reduced to seven (7) mr/hr. The outside of vehicles should be reduced to less than seven (7) mr/hr, gamma only, at five (5) or six (6) inches from the surface.

c. Aircraft MPL's:

- (1) The interior surfaces of occupied section of aircraft should be reduced to seven (7) mr/hr.
- (2) No aircraft in the air at H Hour will be at slant ranges from ground zero less than as determined by the following effects, unless specifically directed otherwise. (Based on maximum predicted yield and twenty (20) mile visibility)

Blast (at predicted shock arrival): 0.5 p.s.i.

Thermal (H Hour): Fabric control surfaces:
1.0 Cal/cm²
Metal control surfaces:
6.0 Cal/cm²

After detonation no aircraft shall operate inside the air radex or closer than ten (10) nautical miles from the rising or visible cloud unless specifically directed otherwise. If a tactical or emergency situation arises where aircraft must enter the air radex, tactical exposure allowances shall apply.

- (3) All multi-engine Task Force aircraft in the air at H Hour within one hundred (100) miles of the detonation point shall carry a person designated as radiological safety monitor equipped with suitable radiac equipment and a radex plot. This monitor shall be capable of calculating allowable exposures under both tactical and operational conditions.
- (4) All persons in aircraft at shot time, or at subsequent times when engaged in operations in or near the cloud or radex track shall wear film badges.
- (5) Pilots and copilots of aircraft in the air at shot time shall use modified all-purpose .1 density filter goggles. Copilots should, as an extra precaution, cover their eyes with forearm at zero hour.

d. In air and water the following continuous levels of radio-activity are considered safe from the view point of personnel drinking and breathing: (uc= microcurie).

	Beta or Gamma Emitter	Long-lived Alpha Emitters
Water	5 x 10 ⁻³ uc/cc (at H -3 days)	10 ⁻⁷ uc/cc
Air	10 ⁻⁶ uc/cc	5 x 10 ⁻¹² uc/cc

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ANNEX H, APNDX 1



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APPENDIX 1
TO
ANNEX H
TG 7.4 RADIOLOGICAL SAFETY REGULATIONS

1. The Maximum Permissible Exposure (MPE) for personnel involved in this operation is 3.9 roentgens, gamma only, unless reduced because of previous or anticipated future exposure. All exposure to external gamma radiation will be regarded as total body irradiation. Special MPE of twenty (20) roentgens, gamma only, is authorized for crew members of air sampling aircraft. The maximum permissible exposures as stated above are applicable to a field experimental test of nuclear devices in peacetime, wherein numbers of personnel engaged in these tests have been previously exposed or will be continuously exposed to potential radiation hazards. It may become necessary from a study of personnel records to reduce the MPE for certain individuals who have participated recently in other atomic tests. Under a military tactical situation or emergency the maximum permissible exposures above do not apply.

2. All atoll land and lagoon areas in or near which a detonation takes place will be considered contaminated until cleared for operations by the Task Force Commander. Entry to and exit from contaminated areas will be via Rad-Safe check points only.

3. Contaminated land areas of intensities greater than one hundred (100) mr/hr will be delineated as such; personnel entering these areas must be accompanied by a monitor and will be subject to clearances by the Rad-Safe Officer, TG 7.1. Rad-Safe clothing and equipment will be issued to the personnel.

4. Contaminated land areas of intensities less than one hundred (100) mr/hr and greater than ten (10) mr/hr will be controlled areas; personnel entering these areas will be subject to clearance by the Rad-Safe Officer of TG 7.1. Monitors will not be required for entry into these controlled areas.

5. Contaminated land areas of intensities less than ten (10) mr/hr will be considered unrestricted from a Rad-Safe viewpoint. Areas coming within this limitation will be designated specifically by Comdr. JTF SEVEN prior to unrestricted entry.

6. Rad-Safe monitors assigned to individuals or groups working in contaminated areas or with contaminated equipment during recovery operations will act in an advisory capacity to keep the recovery party leader informed of radiation intensities at all times. The recovery party leader is expected to accept this advice and act accordingly. It is the responsibility of both the leader and the members of the recovery party to adhere to the limits established in these regulations.

7. Film badges, dosimeters and protective clothing (coveralls, booties, caps, gloves, dust respirators, etc) as deemed necessary will be issued to personnel entering contaminated areas by the Test Aircraft Unit Rad-Safe supply section.

8. All personnel within viewing distance of an atomic detonation who are not supplied with protective goggles will turn away from the detonation point and close their eyes during the time of burst. At least ten (10) seconds should be allowed before looking directly at the burst.

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NOTE: In air for any twenty-four (24) hour period after a shot, 10^{-4} uc/cc of which particles less than five (5) microns shall not exceed 10^{-6} uc/cc.

12. All radiological safety operations for Operation CASTLE (RESTRICTED SI), will be considered as routine and will comply with permissible radiological exposures for routine work, except "special operations" which must be specifically designated by Comdr, JTF SEVEN. In tactical situations the military commander must make the decision regarding allowable exposures. As military personnel are normally subject to only random exposures, health hazards are at a minimum. Current DOD information on exposure to gamma radiation in tactical situations is indicated below:

a. Uniform acute (immediate) exposure of fifty (50) roentgens to a group of Armed Forces personnel will not appreciably affect their efficiency as a fighting unit.

b. Uniform acute exposure of one hundred (100) roentgens will produce in occasional individuals nausea and vomiting, but not to an extent that will render Armed Forces personnel ineffective as fighting units. Personnel receiving an acute radiation exposure of one hundred (100) or more roentgens should be given a period of rest and individual evaluation as soon as possible.

c. Uniform acute exposure of approximately one hundred fifty (150) roentgens or greater can be expected to render Armed Forces personnel ineffective as troops within a few hours through a substantial incidence of nausea, vomiting, weakness and prostration. Mortality produced by an acute exposure of one hundred fifty (150) roentgens will be very low and eventual recovery of physical fitness may be expected.

d. Field Commanders should, therefore, assume that if substantial numbers of their men receive acute radiation exposures substantially above one hundred (100) roentgens there is a grave risk that their commands will rapidly become ineffective as fighting units.

e. Internal radiation hazards caused by entry of radioactive substances through the mouth, through the lungs or through cuts or wounds do not exist after an air burst. Internal hazards following a contaminating surface explosion may be avoided if ordinary precautions are taken. Only under unusual circumstances will there be internal hazard from residual contamination. This eliminates the necessity for masking and consequent reduction of tactical efficiency.

13. This appendix has been designed for reduced security classification in order to facilitate wide dissemination.

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TASK GROUP 7.4
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ANNEX I

In 2 Pages

Declassified
DOD DIR 5200.10

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ANNEX I

TO

OPERATIONS ORDER NO. 1-53

SEARCH AND RESCUE

UNCLASSIFIED

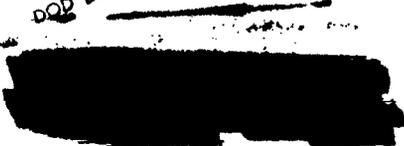
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TASK GROUP 7.4
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ANNEX I



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DOD DIR 5200.10

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ANNEX I
TO
OPERATIONS ORDER NO. 1-53
SEARCH AND RESCUE

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HEADQUARTERS
TASK GROUP 7.4, PROVISIONAL
Kirtland Air Force Base, New Mexico
15 August 1953, 1800 T

References: (a) Search and Rescue Joint Standard Operating Procedures; prepared jointly by Commander-in-Chiefs, Caribbean (CINCARIB), Far East (CINCFE), Pacific (CINCPAC) and Alaska (CINGAL).

(b) JANAP 300, the Air-Sea Rescue Manual.

1. RESPONSIBILITIES:

a. Responsibilities of commanders for Search and Rescue (SAR) operations within their respective commands are set forth in reference (a). Specifically, as relates to the area of primary concern to Commander, JTF SEVEN, responsibility for Search and Rescue is assigned to CINCPAC.

b. These references further provide that:

"For tactical aircraft, operating on unit combat or training missions, the primary responsibility for SAR rests with the commander exercising operational control of the aircraft regardless of the area of operation. This responsibility may be delegated to subordinate commanders. Commanders holding SAR responsibility as defined above shall insure that their operating forces are familiar with the rescue facilities and procedures of the SAR area in which they are operating and shall request assistance as necessary from the appropriate area SAR Commander. Once the area SAR Commander has been requested to provide assistance he assumes SAR control."

The paragraph quoted is applicable to Operation CASTLE (RESTRICTED, SI), and places certain responsibilities on Commander JTF SEVEN.

c. Overall responsibility for search and rescue within JTF SEVEN is delegated to TG 7.4. TG 7.4 is therefore responsible for the overall control of all JTF SEVEN SAR operations. This overall responsibility however in no way relieves each individual Task Group Commander of his inherent SAR responsibilities as pertains to his own forces.

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d. The overall control of Joint Task Force SAR forces during shot and rehearsal periods will be delegated to the Senior Air Controller on the Command Ship by Commander TG 7.4. During all other periods this control will be delegated to the Commander Test Service Unit and will be exercised through the SAR Operations Section of the AOC. The Commander of the Test Services Unit will be responsible for the preparation of a detailed SAR plan covering all phases of Joint Task Force operations prior to 25 January 1954. This plan will be closely coordinated with the area SAR Commander at KWAJALEIN and with TG 7.2 and TG 7.3.

2. SAR FACILITIES:

- a. Two (2) SA-16's from the Test Services Unit.
- b. One (1) Helicopter and one (1) back-up Helicopter to be provided the Test Services Unit by the Test Support Unit for ENIWETOK SAR purposes during shot and rehearsal periods.
- c. Any Task Force aircraft required during SAR emergency.

HOWELL M. ESTES, JR.
Brigadier General, U. S. A. F.
Commander

OFFICIAL:

Harry B. Allen
HARRY B. ALLEN
Lt. Colonel, USAF
Director of Operations

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ANNEX J

In 13 pages w/5 Appendices
consisting of 12 pages

ANNEX J

TO

OPERATIONS ORDER NO. 1-53

COMPTROLLER

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TASK GROUP 7.4
OPRS ORDER NO. 1-53
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APPROVED AND COORDINATED BY
JOINT TASK FORCE SEVEN
AND
TASK GROUP DIRECTORATES
ANNEX J
TO
OPERATIONS ORDER NO. 1-53
COMPTROLLER

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HEADQUARTERS
TASK GROUP 7.4, PROVISIONAL
Kirtland Air Force Base, New Mexico
15 August 1953, 1800T

Budget and Fiscal

1. FUNDING RESPONSIBILITIES OF JTF SEVEN:

a. The funding responsibility of JTF SEVEN has been established by the Office, Assistant Secretary of Defense to include all costs of Operation "CASTLE" (RESTRICTED, S.I.) in excess of the normal service operating expenses of the respective departments and services, with the understanding that this list is not all inclusive but simply an outline of distinction between normal and extra expenses.

b. The following are "Normal Service Operating Expenses" and will be financed by the Services:

- (1) Pay and allowances of all service personnel.
- (2) All costs of subsistence of service personnel.
- (3) Cost of special clothing normally furnished service personnel when employed in severe climates.
- (4) Cost of travel and transportation of personnel to first Task Force duty station overseas upon initial assignment and travel and transportation from last Task Force station overseas to next regular duty assignment. All costs of travel and transportation of the member, his family, and household goods incidental to a permanent change of station when assigned to or relieved from assignment to the Task Force.
- (5) Medical and dental services for military personnel.
- (6) Ships, aircraft, boats and other standard equipment and supplies necessary for the operation, including maintenance, parts, POL, and consumable supplies required in support of the DOD participation.
- (7) Packing, handling, and transportation to Task Force of equipment and supplies furnished by the Services for the support of the Task Force.

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OPRS ORDER NO. 1-53
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c. The following are "Extra Expenses," and are to be financed out of funds made available to Task Group Commanders thru the Task Force Commander, provided facilities, equipment or modifications are not to be continued in use by the Services after the completion of the Task Force requirements.

- (1) Cost of modification to and subsequent restoration of equipment, aircraft, or ships requested by the Task Force Commander.
- (2) Cost of activation and subsequent inactivation of ships, aircraft, and small craft requested by the Task Force Commander.
- (3) Costs of construction and rehabilitation of existing structures and facilities at the test site required by the operations of the Task Force Commander in connection with approved DOD Test Programs.
- (4) Costs of transportation of personnel attached to the Task Force and traveling under orders of the Task Force Commander, including costs of temporary duty travel as well as any permanent changes of station travel other than those covered in b(4) above while assigned to the Task Force.
- (5) Administrative expenses incurred by Task Force and Task Force Headquarters.
- (6) Cost of equipment required for the operation of the Task Force which is not standard to any of the military services.
- (7) Cost of packing, handling and shipment of special equipment required by Task Force (as distinguished from such cost relating to Service support).
- (8) Costs of materiel or services required by the Task Force Commander from activities operated under working capital funds, regardless of the department which is the Executive Agent for the activity.

d. In order to fulfill the assigned mission of JTF SEVEN, funds have been issued for two (2) primary purposes:

- (1) Test Program Requirements. Funds are made available to the Project Officer of each Test Program to meet his program requirements as directed.
- (2) Task Force Operational Requirements. Funds are issued to the Commander of each Task Group, 7.1 through 7.5, to meet his operational requirements in support of Operation "CASTLE" (RESTRICTED, S.I.) which do not comprise a part of a test program, and for the interim time period of movement in and from Zone of Interior station of assignment. The following types of expenses will normally fall under this category: Per Diem and

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TDY Travel, Transportation, Communication, and Administrative Overhead (supplies, services, materials, and emergency procurement).

e. Appendices Pertaining to JTF SEVEN:

- (1) Appendix 1 is the Agreement Between Atomic Energy Commission and Department of Defense on Responsibilities and Fiscal Accounting Principles for Operation at Pacific Proving Grounds.
- (2) Appendix 2 is a chart showing the flow of funds for Operation "CASTLE" (RESTRICTED, S.I.).
- (3) Appendix 3 outlines the Budget and Fiscal Procedures for the operation of JTF SEVEN.
- (4) Appendix 4 shows the project breakdown of Operational Funds by Chart of Accounts.

2. FUNDING RESPONSIBILITIES OF TASK GROUP 7.4:

a. Assumptions:

- (1) JTF Cost Reporting Requirements will be as set forth in JTF SOP's 171-1, dated 10 May 1953, and 172-603, dated 2 February 1953.
- (2) No civilian personnel will be assigned to the Task Group.

b. General:

- (1) The funding responsibility of TG 7.4 has been tentatively established by JTF SEVEN as follows: To fund the requirements of Headquarters, TG 7.4 and Task Units of TG 7.4. This funding responsibility includes such items as per diem and travel, communications, transportation of supplies and equipment, and administrative overhead to meet operational requirements schedules in support of Operation CASTLE (RESTRICTED, S.I.) which do not comprise a part of a test program. Headquarters, TG 7.4 will assume those responsibilities at the time such units are assigned to Task Group Commander for operational control at First Task Force duty station overseas. In addition to the operating expenses as above, TG 7.4 is responsible for funding the modification of JTF SEVEN aircraft by AMC and WADC. Funds are also made available for emergency local procurement of supplies and equipment through the Task Group Logistical Liaison Officer at SMAMA Air Materiel Depot thru Depots in both Zone of Interior and overseas locations.
- (2) Emergency funds are available for the purchase of services, materials and equipment directly related to the mission of a TG 7.4 test program, and not procurable through channels. The purchase request will

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be processed through the Project Officer of the Test Program for approval and forwarded to the Accounting Officer, TG 7.4, for Comptroller Approval and sub-allotting of applicable funds.

- (3) Prior to the assignment of Headquarters, TG 7.4 to Headquarters, JTF SEVEN for operational control and subordinate units to Headquarters, TG 7.4 at first Task Force duty station overseas, as indicated in 2b(1) above, the funding responsibility for such units belongs to the parent command.

c. The funding responsibilities outlined in paragraph 2b above are further explained as follows:

- (1) Per Diem and Travel. TG 7.4 is responsible to fund the requirements of:

- (a) TDY-performed by personnel of TG 7.4 and subordinate units during the period of assignment for operational control. Request for such TDY will be submitted to TG 7.4 for approval. Appendix 5 is a chart showing procedure for processing TDY requests in Headquarters, TG 7.4.

- (2) Transportation of Supplies and Equipment. TG 7.4 is responsible for the funding of transportation expenses within TG 7.4 which are not specifically assigned by JTF SEVEN directive or other directives.

- (3) Communications. TG 7.4 is responsible for the funding of long-distance telephone calls which originate within the Headquarters, TG 7.4 and Test Support Units, when such calls are made by authorized personnel.

- (4) Administrative Overhead. All expenses which are not recognized as falling under Per Diem, Travel, Transportation or Communications will be funded from the administrative overhead funds.

- (a) The Air Force Special Weapons Center of the Air Research and Development Command will provide funds for all normal housekeeping and custodial services and locally purchased or procured supplies and equipment, including maintenance and repairs, services and leased real property rentals, in accordance with AFR 11-4.

- (b) TG 7.4 funds will be charged for all extraordinary expenses arising of necessity from the procurement of materiel or services peculiar to the operations of TG 7.4.

- (c) It is intended that the above described funds be used only for procurement of supplies and equipment necessary for accomplishment of the mission and not normally stocked by the Air Force. Items

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normally stocked by the Air Force, but temporarily unavailable, will not be procured with Task Force funds without the prior concurrence of the Comptroller, TG 7.4. In no instance will Task Force funds be used for procurement of office furniture or labor-saving devices or other office equipment. It is further directed that any proposed procurement of equipment or expendable supplies will be submitted to Director of Materiel, TG 7.4 Headquarters for approval prior to initiation of procurement action.

1. All requisitions for supplies and equipment will be prepared in the office of the Director of Materiel, TG 7.4, and submitted to Base Supply, AFSWC.
 2. When it is necessary to local-purchase supplies or equipment peculiar to TG 7.4, Base Supply prepares for approval a Purchase Request and Commitment Form and forwards it thru TG 7.4 Director of Materiel (for approval) to the Budget and Fiscal Officer, TG 7.4 for citation of funds.
 3. The Budget and Fiscal Officer, after certification of propriety approval by Task Group Comptroller, will cite the proper funds, sign the request, and forward it to the Base Purchasing and Contracting Officer.
- (5) Modification of Aircraft. In addition to the requirements for TG 7.1 there are certain other modifications and equipment that are necessary for the operation of selected aircraft under test conditions.
- (a) These funds are allotted to TG 7.4 through Headquarters, JTF SEVEN and are in turn suballotted to AMC and WADC who will perform the modifications.
- (6) Emergency Procurement of Supplies and Equipment. Funds will be allotted to TG 7.4 and in turn suballotted to the Comptroller of SMAMA to be utilized for local purchase procurement of supplies and equipment as listed below (and under the provisions of Par. 2c(4)(c) above).
- (a) Supplies and equipment in the following categories may be local purchased:
 1. Items not available through Air Force channels or any other Departmental service.
 2. Items presently in the Air Force procurement supply channels, but not readily available, and which through notification by AMC cannot be procured in sufficient time to meet the requirements of Operation CASTLE (RESTRICTED, S.I.).

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2. Peculiar items of equipment not listed in Air Force stock catalogues as required for Operation CASTLE (RESTRICTED, S.I.).

(b) All purchases made with these funds are originated or coordinated thru the TG 7.4 Logistical Liaison Officer.

(7) Funding of Construction, Modification, Alteration, Conversion and Repair of Real Property Facilities.
All funds to be expended or made available for above by JTF SEVEN, required as a result of Air Force participation in Operation CASTLE (RESTRICTED, S.I.), be coordinated with Commander, TG 7.4, prior to accomplishment. The advantages expected from this procedure are:

- (a) Determination of the adequacy of the facilities to meet the requirements as established by Task Group Commander.
- (b) Determination that the estimate cost is justified commensurate with the project and by period of continued future availability.
- (c) The greatest advantage expected is the resultant requirement for a long-range facilities utilization plan for Air Force units participation in future atomic tests, and the immediate information as to the availability of subject construction for future or continued use.

3. CITATION OF ACCOUNTING CLASSIFICATION: The citation of the accounting classification numbers to be used for the purpose outlined in sub-paragraph c above remains a responsibility of the Accounting Officer, TG 7.4. All Purchase Requests will be processed through the Accounting Officer, TG 7.4, to insure availability of funds and the propriety of expenditures. In certain cases the Accounting Officer will issue Obligation Authorities for the funding of expenses of Task Units or provide the accounting classification numbers to be cited by the Task Units. There will be no Budget and Fiscal Offices established in Task Units of TG 7.4. All funding will be controlled by the Accounting Officer, TG 7.4

4. COST ACCOUNTING PRINCIPLES: The Commander, JTF SEVEN, will specify and clearly define the programs and projects in order that accurate costing can be accomplished by JTF SEVEN. The cost data to be furnished by the (3) participating military departments, the AEC and the Task Groups will be based on uniform principles established by CJTF SEVEN. Each department, agency and Task Group will report monthly all capital and operating costs by programs, projects, and sub-projects. General costing procedures to be followed are covered in SOP, Headquarters, JTF SEVEN. The Cost Control Division, in regards to feeder reports, gathering of cost information, and internal procedures, is operating under the principles set forth in AFL 177-4 (USAF A and E Accounting System). USAF averages for personnel costing to be authorized for use by TG 7.4. Headquarters, TG 7.4 will report the costs of supplies

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and equipment procured with Task Group funds, and supplies and equipment issued to TG 7.4 and subordinate units.

a. Responsibility: The Cost Accounting Division is responsible for providing data on Costs of Operation of TG 7.4 as is requested by JTF SEVEN and Headquarters USAF. This section, in order to provide the above information, must establish procedures for gathering and processing all cost data, maintain the necessary ledgers and files, and prepare such periodic and special costs reports directed by Higher Headquarters.

b. Joint Task Force Cost Accounting Requirements:

- (1) TG 7.4 will report its own costs and will not include costs incurred for other Departments, or Task Groups under working fund agreements or on a reimburseable basis. The above excluded costs will be reported to Headquarters, JTF SEVEN by the Department or Task Group advancing the funds or making the reimbursement. Likewise any materiel or service contributed by one Department or Agency to another in support of the operation will be costed by the contributing Department or Agency.
- (2) TG 7.4 will report its costs directly to JTF SEVEN on the forms provided by that Headquarters.
- (3) TG 7.4 costs will be reported in accordance with the Chart of Accounts prescribed by Headquarters JTF SEVEN.
- (4) TG 7.4 will report all costs incurred in the administration and operation of the Task Group. Should TG 7.4 incur costs chargeable to experimental programs, such costs will be reported against the appropriate program instead of charging it to the Task Group cost.
- (5) Costs to be included in the JTF Cost Report:

(a) Payroll:

1. Salaries of personnel attached to TG 7.4 for duty will be costed to TG 7.4, regardless of whether or not they are on definite TDY or attached to another organization for administration.
2. TG 7.4 will report all personnel costs using EDCSA or effective date of assignment as the pickup date; furthermore, when an individual or unit is assigned to TG 7.4 on indefinite TDY, it will be the responsibility of this Headquarters to report all the personnel costs of those individuals or units. Salaries of all individuals spending more than 50% of their time on work for the operation will be included in the JTF Cost Report.
3. Military Payroll costs will be computed utilizing current USAF averages.

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the labor cost for this maintenance will have been charged to Payroll.

2. Buildings:

- a. Buildings will include the cost of all buildings and structures chargeable to the operation. The value of payroll, materials and other expenses in the construction and modification will be shown under their respective columns.
- b. Payroll costs will be broken down to show military and civilian pay. Payroll costs should be charged as the work is performed; that is, the military pay of an engineer brigade in construction of barracks would be charted on a monthly basis common to the operation.
- c. Material will represent the stock list price of materials to be used in the buildings (such as lumber) or may represent the value of buildings purchased (such as prefabs). In such case the amount charged will be the contract price at time of purchase.

- (1) If existing buildings at the forward area are to be utilized in the operation, the appraised value of these buildings will be costed to buildings under material on the initial cost report after arrival at the forward area.
- (2) If building materials which have been charged to the operations are returned to stock at the conclusion of the operation, the value of these materials will be credited to Buildings. Likewise, if a building is consumed in operation, the entire cost of that building including both payroll and materials would be first credited to Buildings and then charged to consumed in operations.

3. Equipment:

- a. Equipment is defined as capital items other than buildings, cost of which is \$50.00 or more and which have a normal useful life of one year or more. The cost of equipment will be entered as either payroll, materials, or other costs. For the purpose of this report, ships and aircraft will not be capitalized unless

(b) Supplies and Materials: The cost of supplies and materials such as fuels and lubes, etc., will be reported using the stock list price at the time of issue for use. Supplies and materials are defined as raw materials, commodities and manufactured articles, component parts or assemblies, which do not fall within the purview of the definition of equipment as contained in subsequent paragraphs. Materials carried in inventory accounts will not be reported as items of cost until issued from the inventory accounts for use. Materials which are issued for the construction, modification, or fabrication of a capital item will be charged to capital costs, either buildings or equipment. The next entries in the supplies and materials accounts will be the monthly charges less the credits for turn-ins, etc.

(c) Other Operating Costs:

1. Travel and per diem costs, including extra living allowances granted to personnel at the operational site.
2. Transportation costs - transportation of things via civilian carriers.
3. Communications Costs.

(d) The value of Capital items which are considered consumed in the operation will be credited out of capital costs and charged to "consumed in operations."

(e) Capital Costs:

1. Capital Costs will be charged to the operation as they are constructed, fabricated, assigned, modified, or issued for use at the operational site; they will be credited to the accounts when (a) the item is returned to stock, or (b) consumed in operation. Any capital item purchased by TG 7.4 for use at the site will not be costed at the time of purchase, but rather costed when issued for use at the site. However, equipment that has been specially constructed, fabricated, or modified by a participating organization for a specific purpose in the operation will be costed at the time of construction, fabrication, or modification by the organization performing the work. This special equipment will be marked or tagged in such manner that once it reaches the forward area it will not be costed again. The cost of repair and maintenance of capital items will not be capitalized inasmuch as supplies will have been included in operating costs upon issue and

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they are destroyed, at which time they will be charged to consumed in operations.

- b. In the absence of reliable cost information, the value of equipment will be determined by appraisal at time of issue and time of turn-in.
- c. It is not contemplated that normal depreciation will be charged to this operation. For example, a truck appraised at \$9,000.00 at the time of issue will be appraised at \$9,000.00 at time of turn-in, provided it is serviceable.
- d. Net Capital Value: The net capital cost will be the totals of all charges to capital costs, less the credits. These credits as mentioned before indicate either (a) consumed in operation or (b) return of serviceable capital items to stock. The cumulative total of net capital value at any given time during the operation will reflect the total value of all capital items assigned to the operation and still available for future use.

c. Insofar as is practical for an organization of this type, the Cost Division will operate under the provisions of AFL 177-4, Department of the Air Force, Title: Accounting, dated 12 June 1952. Under this system information will be available in sufficient detail for budgeting and management as well as to satisfy the requirements of JTF SEVEN and USAF.

- (1) Accounting Records and Procedures: Ledgers will be set up using Air Force Form 409 in the manner set forth in Section III of AFL 177-4. Procedures outlined in the above referenced section will be followed to extent that they are applicable to this type organization.
- (2) Accounting for Personnel: The procedure used for costing military personnel expenses will be that outlined in Par. 32, Section IV, AFL 177-4. This procedure provides for the use of time sheets by each director or activity head, to record daily the personnel on duty with the section.
- (3) Accounting for materiel, aircraft operation and maintenance and other expenses will be essentially as set forth in Sections V, VI, and IX of AFL 177-4.

d. Reports:

- (1) Cumulative reports only of operating and capital costs will be submitted as of the end of each month to JTF.
- (2) A monthly Expense Summary will be submitted to ARDC as of the end of each month.

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- (3) Other periodic or special reports as JTF or ARDC may direct.

e. Costing of Subordinate Units: The parent commands of Task Units of TG 7.4 will be required to maintain records of costs of Task Units' operation in as much detail as provided in AFL 177-4 as it may be modified or supplemented to meet Task Group requirements. After the Task Units come under the operational control of the Task Group, this division will take over costing of the units from the parent commands.

f. Costing of Subordinate Units: Subordinate units of TG 7.4 will be picked up on the Task Group Cost Reports at the time they come under the operational control of TG 7.4 and will be dropped when they leave the control of the Task Group Commander.

- (1) Test Support Group, Squadrons and Detachments in the overseas location will be under the operational control of the Task Group for the entire operation.

- (2) Test Aircraft Unit and Test Services Unit:

- (a) The following information will be required from these units at the time they come under the operational control of TG 7.4 in the forward area:

1. The number of personnel by grade.

2. The number of personnel by grade, drawing rental allowances.

3. The dollar value of all equipment, other than aircraft, which will include:

a. Equipment carried to the forward area by the Task Units. Supplies and equipment obtained by issues from Air Force Supply Officer in the forward area will be obtained from the account records of the Air Force Supply Officer.

b. Equipment presently available in the forward area. This will include that equipment which will be utilized in connection with Operation CASTLE (RESTRICTED, S.I.), and which is the property of those elements normally located in the forward area.

4. From Test Aircraft Unit the number of JTF personnel and the tons of supplies and equipment transported to the forward area by SAC organizational aircraft will be required.

- (b) At such time as the Task Units return to the Zone of Interior and/or leave the operational control of TG 7.4, the following information will be submitted:

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1. The dollar value of the equipment referred to in paragraph 4f(2)(a)3 above, which will include serviceable equipment returned to the Zone of Interior plus the value of serviceable equipment returned to the source while in the forward area. The difference between the values of the inventory referred to in paragraph 4f(2)(a)3 and that required after the completion of the operation should represent the value of those items of equipment which have been salvaged and/or the decrease in value of items which have been damaged or otherwise greatly reduced in value.
 2. From Test Aircraft Unit the number of JTF personnel and the tons of supplies and equipment transported from the forward area to the Zone of Interior by SAC organizational aircraft will be required.

5. FINANCE:

a. The Commander, TG 7.2, will provide disbursing service to all military personnel, including members of this command, located at ENIWETOK, BIKINI ATOLL, WEATHER ISLANDS and KWAJALEIN during both interim and operational periods.

b. Disbursing facilities for Air Force Personnel at ENIWETOK, BIKINI ATOLL and WEATHER ISLANDS will be provided by the Army Accountable Disbursing Section (Augmented by two (2) Air Force disbursing clerks).

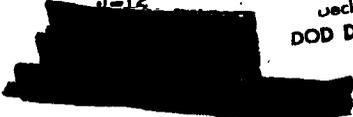
c. TG 7.4 Staff Finance Officer will assist Army Disbursing Officer and coordinate on all matters pertaining to Air Force personnel and services provided. These will include maintenance of military pay accounts, payment of travel or other proper claims citing applicable appropriations, issuance of treasury checks in exchange for cash and the cashing of authorized negotiable instruments as prescribed by current regulations.

d. Informational copies of all comments, complaints or directives pertaining to these disbursing activities for Air Force personnel while in the forward area will be submitted to Comptroller, TG 7.4.

e. Report of Survey System: Army, Navy, and Air Force Commanders of the Task Force will follow their respective service procedures for reports of survey. The Commander, JTF SEVEN will be the reviewing authority for Army and Air Force "Reports of Survey." Reports of Survey initiated by the Department of the Navy will be processed in accordance with U. S. Navy Regulations and the Bureau of Supplies and Accounts Manual. A copy of such Reports of Survey initiated by the Department of the Navy with respect to the Task Force operations will be prepared and, after final action, forwarded to Headquarters JTF SEVEN, ATTN: Comptroller.

6. AUDITS: Service audit agencies will perform regular audits of military accounts in accordance with schedules prescribed by the

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Commander, JTF SEVEN, and the existing service regulations. Audits of non-appropriated funds will be performed by qualified disinterested personnel designated by the Task Group Commander, in accordance with published Task Group directives.

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7. STATISTICAL SERVICES: The Statistical Responsibilities of TG 7.4 are as follows:

a. Maintain, operate, and review the USAF Reports Control System as set forth in AFR 174-1 and monitor all reports required within Task Group Headquarters, and from subordinate units of TG 7.4 and other outside agencies.

b. Provide for higher authorities a wide range of accurate and timely statistical data for use in planning, control and cost purposes.

c. Establish and maintain an official command repository of all statistical information.

8. PROGRAM REVIEW AND PROGRESS ANALYSIS AND PRESENTATION: This division includes Management Analysis and Graphic Presentation with responsibilities as follows:

a. Analyze and evaluate programs and progress of programs and provide analytical advisory services and centralized portrayal of accomplishment to assist in effective use of resources and to insure coordinated action by staffs in achieving command objectives.

b. Plan, supervise, and engineer the preparation of graphic and tabular presentations for the Headquarters; prepare and maintain the Commander's notebook and conference and briefing room with respect to charts, maps and other items of presentation material.

5 Appendices:

1 Allocation Agreement
Between AEC and DOD.

2 Flow of Funds.

3 B&F Procedure for the
Operation of JTF SEVEN.

4 Project Breakdown Under
Extra-Military Expenses

5 Procedure for Processing
of TDY Requests:

HOWELL M. ESTES, JR.
Brigadier General, U.S.A.F.
Commander

OFFICIAL:

Arch C. Fleming
ARCH C. FLEMING
Lt Colonel, USAF
Comptroller

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AGREEMENT BETWEEN
ATOMIC ENERGY COMMISSION AND DEPARTMENT OF DEFENSE
ON
RESPONSIBILITIES AND FISCAL ACCOUNTING PRINCIPLES
FOR
OPERATIONS AT PACIFIC PROVING GROUNDS

1. PURPOSE:

a. The purpose of this agreement is to provide a mutually satisfactory, general framework within which the Atomic Energy Commission and the Department of Defense may, on an equitable basis, delineate primary responsibilities of each agency and budget and fund costs for joint AEC-EDOD operations at the Pacific Proving Ground.

b. This agreement supersedes all previous agreements on this subject.

2. GENERAL:

a. Except as modified by specific paragraphs below, the costs of these various test projects connected with the operation shall be borne by the agency establishing the specific project scope and requirements.

b. The costs of test projects of mutual interest to both agencies will be prorated in proportion to the degree of interest.

c. Such equipment as is reasonably available from the stocks of either agency will, upon request, be furnished to the other agency on a loan basis at no cost except that of operating, safeguarding, and maintaining the equipment. The AEC will not, in general, request through military channels equipment available from commercial sources. The user will not be held responsible for normal wear and tear but will exercise adequate control and care of the equipment. Equipment on loan which is lost, destroyed, or damaged beyond economical repair will be accounted for under the existing regulations of the owning agency. The borrowing agency will not be responsible for payment for any equipment on loan which is lost, destroyed, or damaged beyond economical repair, except where such loss, destruction, or damage results from willful misconduct, gross negligence, or failure to exercise good faith on the part of an employee of the borrowing agency, or on the part of a corporate officer or the person having entire supervision of the work at the Pacific Proving Ground of a contracting firm of the borrowing agency.

d. The load of marine craft is a special case and is governed by a joint AEC-Department of Navy agreement outlined in OPNAV 4000.10 (10-29-51) as follows:

- (1) Effective this date, the following terms and conditions will apply to any loans of vessels made in the future by the Navy Department to the Atomic Energy Commission. In addition, these terms and conditions will be applicable to Navy vessels in the custody of the Atomic Energy Commission as of this date, insofar as applicable.

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- (a) The Navy Department, upon request of the Atomic Energy Commission, will lend to the AEC such vessels as can be made available and as are required in the prosecution of projects which are the responsibility of the AEC. Loan of such vessels shall be made on custody receipt without charge for the capital value of the vessel.
- (b) The AEC will provide funds on request by the Navy for activation, if required, and for preparing for operation and tow, if necessary, any vessels made available to the AEC, including funds to procure additional spare parts and accessories required for operation of the vessel. Normal overhead will be charged for this work.
- (c) The Navy Department will deliver to its destination as desired by the AEC, any vessel loaned to the AEC, if such delivery is deemed to be practicable by the Department. Otherwise, the AEC will arrange separately for delivery of the vessel.
- (d) The AEC shall be responsible for the operation, protection, security, repair, and maintenance of all vessels loaned to it by the Navy while such vessels are in its custody or the custody of others acting for the Commission. If normal maintenance of certain vessels is impractical due to lack of suitable tender or shipyard overhaul, or drydock, facilities, the AEC will provide funds for accomplishing the delinquent maintenance upon return of the vessels to naval custody and submission to the AEC by the Navy Department of a detailed estimate of costs based upon a joint physical inspection.
- (e) In the event of loss, serious damage, or return in poor material condition, a survey shall be made by appropriate naval authority. Representatives of the AEC shall be invited to attend this survey. Decision of such survey to strike the vessel in question, or to repair same, will be based on considerations of minimizing loss to the Government. In the event economical repair can be made, the AEC shall provide funds to pay the expenses thereof, except that such expenses shall not include any overhead expenses. It is understood that the AEC will pay the expenses of returning the vessel to the same condition that it was in when assigned to the AEC. The AEC shall not be liable for payment for loss of vessels, but shall exercise all due care and diligence for their care and security.
- (f) Any vessels loaned to the AEC, if required for Navy use prior to completion of the work for which obtained, shall be returned to Navy custody upon request on thirty days' notice.

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- (g) Joint inspections of vessels being considered for loan to the AEC shall be made by representatives of the Navy and the AEC at the time such vessels are given into the custody of the AEC or returned to the custody of the Navy. The AEC will inform the Navy of the name of its representative.

e. The transfer of subsistence in kind at the Pacific Proving Ground between the AEC and the military is authorized. Each agency will reimburse the other at prices established by mutual agreement for meals eaten ashore by its personnel in the messes of the other. To this end, appropriate records will be kept at both AEC and Armed Forces messes which will permit periodic reconciliation of accounts. Reimbursement for meals furnished on board ship will be established by Navy and MSTC Directives.

f. Cross-servicing is authorized between elements of the DOD and the AEC and its contractors. Specific authorization will be issued in accordance with standards mutually agreeable to the Santa Fe Operations and the Joint Task Force. The cost of reimbursable work performed in connection with cross-servicing authorizations will be accumulated and billed in accordance with the standard accounting practices of the performing Department or Agency.

g. Decisions on interpretation of these provisions or on allocation of specific costs shall be the joint responsibility of the Task Force Commander for the DOD and the Manager, SFOC, for the AEC.

h. This agreement will be extended by supplemental agreement to apply to areas subsequently added to the Pacific Proving Grounds.

3. COSTS AND RESPONSIBILITIES TO BE ASSUMED BY THE AEC:

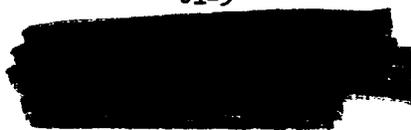
a. Cost of construction of all base facilities at Pacific Proving Grounds required by the AEC for military and AEC support of test operations.

b. Maintenance of all base facilities (buildings, structures, installed equipment, roads and airstrips, piers, POL and utility systems, and communications systems) which have been provided by the AEC for support of test operations, except that the DOD will be responsible for the maintenance of communication facilities on ENIWETOK ISLAND and a Joint Communications Center on PARRY ISLAND.

c. Operation of all fixed plant and utility systems (power, water, sewage, POL, and communications) provided by the AEC for support of test operations, except that the DOD will be responsible for operating the communications and POL systems on ENIWETOK ISLAND.

d. Cost of all equipment, supplies, and material purchased by the Armed Forces at the specific request of the AEC.

e. Cost of modifications of material and equipment when such modifications are made at the specific request of the AEC, except that modifications to ships and aircraft may be subject to mutual agreement as to the prorata share of cost.



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f. All normal AEC administrative expense, including salaries, subsistence, per diem, etc., of personnel employed by the AEC and its contractors in connection with the AEC's projects and programs.

g. Cost of expendable supplies furnished to the AEC and its contractors from military stocks.

h. Packing, handling, and crating charges of Armed Forces material and equipment requested by the AEC.

i. Operation of boats, tugs, and barges for loading or off-loading supplies, materials, and equipment from ships at Pacific Proving Grounds.

j. Operation of all mess halls on all islands of the atoll, except ENIWETOK ISLAND and the JTF SEVEN Commander's personal mess on PARRY ISLAND.

k. Operation of land transportation facilities on all islands of the Pacific Proving Grounds except ENIWETOK ISLAND.

l. Operation of a boat pool for essential inter-island and ship-to-shore services.

m. All costs of experimental projects of primary interest to the AEC except where jointly funded by mutual agreement.

4. RESPONSIBILITIES AND COSTS TO BE ASSUMED BY THE DOD:

a. Cost of construction of facilities at Pacific Proving Grounds required exclusively for support of Armed Forces experimental projects.

b. The costs of all equipment, materials, and supplies furnished by the Armed Forces except the costs of such items when they are purchased at the specific request of the AEC, and except the costs of expendable supplies furnished the AEC or its contractors from military stocks.

c. Transportation of all personnel, equipment, and supplies between Continental U. S. and the Pacific Proving Grounds by militarily controlled transportation, except that the AEC will pay charges for packing, crating, and except at ENIWETOK ISLAND, handling items intended for AEC use.

d. Operations of all Armed Forces components assigned to the Joint Task Force.

e. All normal Armed Forces administrative expense, including pay, subsistence, and travel of all personnel, both civilian and military, employed by the Armed Forces with the exception that the AEC will reimburse the DOD for travel and subsistence of those Armed Forces civilian employees on loan to the AEC and performing functions in its behalf.

f. All costs of experimental projects of primary interest to the Armed Forces except where jointly funded by mutual agreement.

g. Operation of POL systems on ENIWETOK ISLAND.

TASK GROUP 7.4
OPRS ORDER NO. 1-53
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h. Operation and maintenance of all communications systems and equipment on ENIWETOK ISLAND.

i. Stevedoring labor and equipment, except marine craft and craft operators, for loading and offloading supplies, materials, and equipment from ship-to-shore at ENIWETOK ATOLL during operations. All on-shore cargo handling will be performed by the military on ENIWETOK ISLAND and by the AEC on all other islands.

j. Operation of liaison aircraft for necessary inter-island travel at the atoll for the military and AEC and its contractors; however, necessary aircraft dispatchers on islands other than ENIWETOK will be furnished by AEC.

k. Operation of necessary search and rescue service.

l. During the operational phase provide a navy boat pool to support the added operational load.

m. Operation and maintenance of AEC equipment and material which may be loaned to the Armed Services.

5. COST REPORTING PRINCIPLES:

a. The Task Force Commander shall specify the programs and projects for which cost data are required.

b. The programs and projects will be clearly defined to permit accurate cost accounting.

c. The cost data to be furnished by the AEC and the three (3) participating military agencies will be based on uniform principles as agreed upon between the Task Force Commander and the Manager, Santa Fe Operations Office.

d. Each agency or department will report monthly all costs by programs and projects; these reports will be submitted, in agreed form to the Task Force Commander so that a consolidated report can be made therefrom.

6. FUNDING PRINCIPLES:

a. Department of Defense:

(1) For the purpose of facilitating the most economical and efficient operation, funding will be by appropriation of the executive agent.

(2) Funding responsibilities will be assigned to the Task Force Commander under such regulations as prescribed by the Secretary of Defense.

b. Atomic Energy Commission:

(1) Funding will be by allocation from AEC appropriations.



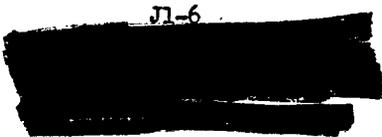


(2) Funding responsibilities will be assigned to the Manager, Santa Fe Operations Office, under regulations prescribed by the General Manager.

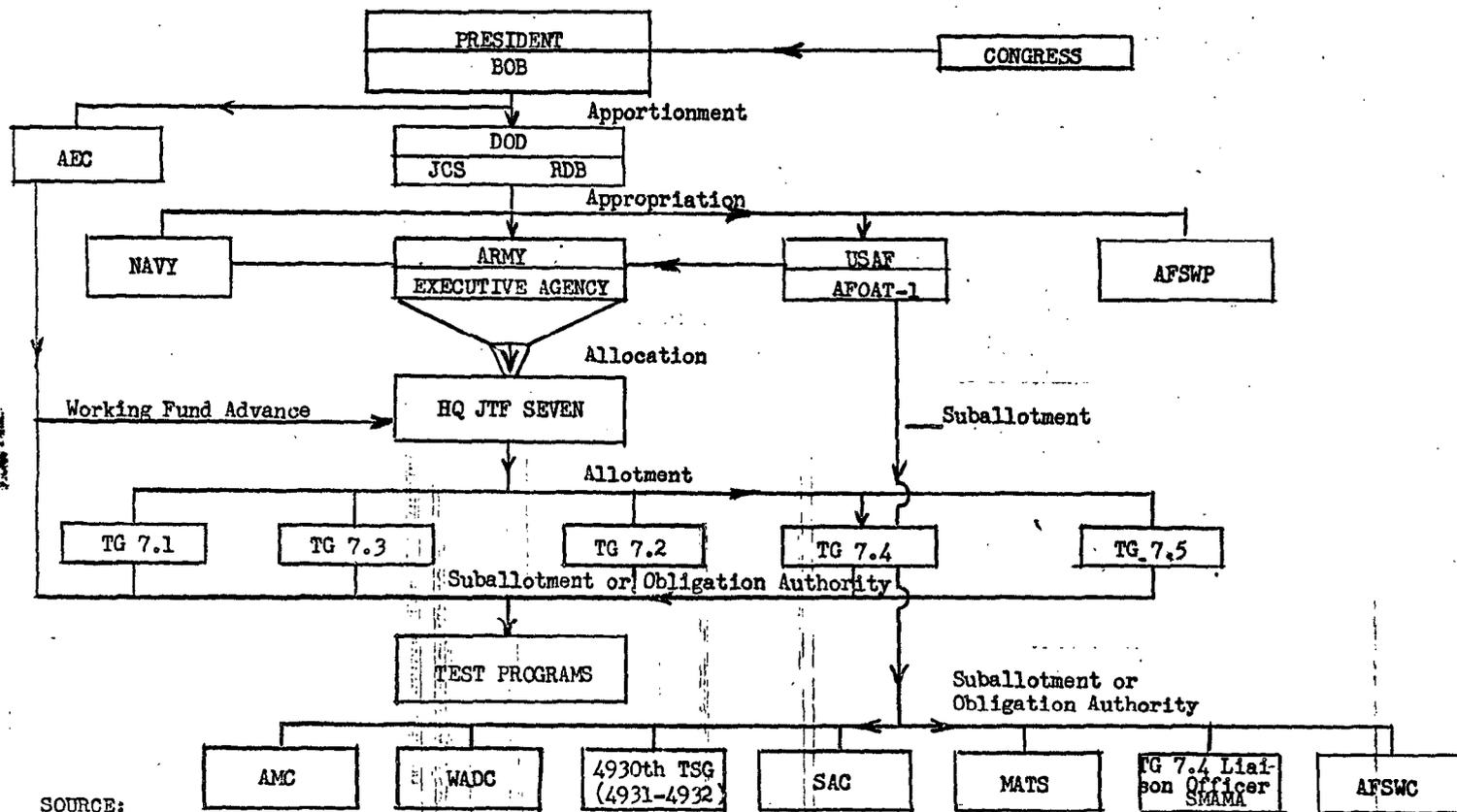
7. CHANGES:

a. The terms and conditions of this agreement may be changed at any time by mutual agreement of the Commander, Joint Task Force on behalf of the DOD, and the Manager, Santa Fe Operations on behalf of the Atomic Energy Commission.

APPROVED: K. E. FIELDS	APPROVED: P. W. CLARKSON
Brigadier General, USA	Major General, USA
Director of Military Application	Commander
U. S. Atomic Energy Commission	JTF SEVEN



FLOW OF FUNDS OPERATION CASTLE



SOURCE:
JTF SEVEN Comptroller Staff

Task Group Support Units

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TASK GROUP 7.4
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BUDGET AND FISCAL PROCEDURES FOR THE OPERATION OF
JOINT TASK FORCE SEVEN

1. The following interim budget and accounting procedures are prescribed for the budget and fiscal operations of JTF SEVEN and will remain in effect unless formally modified or rescinded by legislative action of the Congress, direction of the Secretary of Defense, Secretary of the Army, the Comptroller, U. S. Army or the Commander, JTF SEVEN. The administration of the Project will be by JTF SEVEN with the Department of the Army as executive agent for the Joint Chiefs of Staff.

2. JTF SEVEN Funds: Use of Extra Military Expense Funds for financing the operation of JTF SEVEN has been approved by the Office of the Secretary of Defense. These funds will be the source for financing all costs of JTF SEVEN in excess of the normal operating costs of the Military Departments except as modified below.

3. Fund Requirements: The requirements of JTF SEVEN, other than for the normal operating costs of the military departments, will be met in the following manner:

a. Transfers to the Extra Military Expense Fund by the Office of the Secretary of Defense in consonance with approved programs. Such transfers will be effected by the Department of the Army as required.

b. Working fund advances by agencies outside of the DOD.

4. Funding Principles and Procedures:

a. Funds will be allocated to Headquarters, JTF SEVEN by the Comptroller of the Army. As an operating agency, allocations to and reports by Headquarters, JTF SEVEN will be in the same form as for all other Army Commands as prescribed by the 35 series of Army Special Regulations except for the deviations set forth in sections 6a and 7a of this memorandum.

b. Funds will be allotted by Headquarters JTF SEVEN in accordance with existing Army Policy as qualified by section 5 below.

5. Allotments by JTF SEVEN: Funds will be made available to the Task Groups through issuance of an Advice of Allotment (DA AGO Form 14-127) by JTF SEVEN. The Advice of Allotment will be issued by Allotment Serial Number, Object Class Program and/or Project. A list of Program Projects and Account Numbers is attached hereto (See APNDX 4).

6. Fiscal Accounting Records: The following outlines the procedure for recording fiscal operations:

a. By Headquarters, JTF SEVEN - As an operating Agency, Headquarters, JTF SEVEN will maintain Budget Authorization and Allocation Records and subsidiary supporting records as prescribed by the 35 series of Army Special Regulations. In those cases where Headquarters, JTF SEVEN acts as an installation (by making allotments to itself and obligating against such an allotment) fiscal records will be maintained in accordance with series 35, Army Special Regulations.

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OPRS ORDER NO. 1-53
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7. Fiscal Accounting Reports: The following monthly reports will be prepared:

a. By Headquarters, JTF SEVEN: Headquarters, JTF SEVEN, as an operating agency, will furnish the following monthly reports to the Comptroller of the Army:

- (1) Operating Agency Financial Report (DA AGO Form R-5670 and R-5671).
- (2) Status of Funds Report (WD AGO Form 14-131).

b. By Allottees (Headquarters TG 7.4): Allottees will furnish the following reports to Headquarters, JTF SEVEN:

- (1) Status of Allotment Report (DA AGO Form 14-121).

c. By Sub-Allottees (Support Units): Sub-Allottees will furnish the following reports to TG 7.4:

- (1) Status of Allotment Report (DA AGO Form 14-121).
- (2) WADC and AMC performing modification of aircraft for participation in Operation CASTLE (RESTRICTED, S.I.) will furnish a "Report of Sub-Allotments" (RCS: TGA-BF-C1) broken down by the projects and the categories of modification.

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TASK GROUP 7.4
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CHART OF ACCOUNTS

OPERATIONAL FUNDS

OPERATION CASTLE (RESTRICTED, S.I.)

Hq, JTF SEVEN:

- 9010 - Travel
- 9020 - Transportation of Things
- 9030 - Communications
- 9041 - Headquarters-Overhead Expense
- 9042 - Modification, Activation, Deactivation of Ships and Small Craft
- 9043 - Modification of Aircraft
- 9044 - Construction and Maintenance of Real Facilities
- 9045 - Documentary Photography
- 9046 - Command Radiological Safety
- 9047 - Weather Service
- 9048 - Operational and Logistic Support -AEC

TG 7.1:

- 1010 - Travel
- 1020 - Transportation of Things
- 1030 - Communication
- 1041 - Other TG Overhead

TG 7.2:

- 2010 - Travel
- 2020 - Transportation of Things
- 2030 - Communications
- 2041 - Other TG Overhead

TG 7.3:

- 3010 - Travel
- 3020 - Transportation of Things

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3030 - Communications

3041 - Other TG Overhead

TG 7.4:

4010 - Travel

4020 - Transportation of Things

4030 - Communications

4041 - Headquarters Overhead Expense

4042 - Modification of Ships and Small Craft

4043 - Modification of Aircraft

4044 - Construction and Maintenance of Real Facilities

4045 - Documentary Photography

4046 - Radiological Safety

4047 - Weather Service

4048 - Operational and Logistical Support

4049 - Rental of Ships

TG 7.5:

5010 - Travel

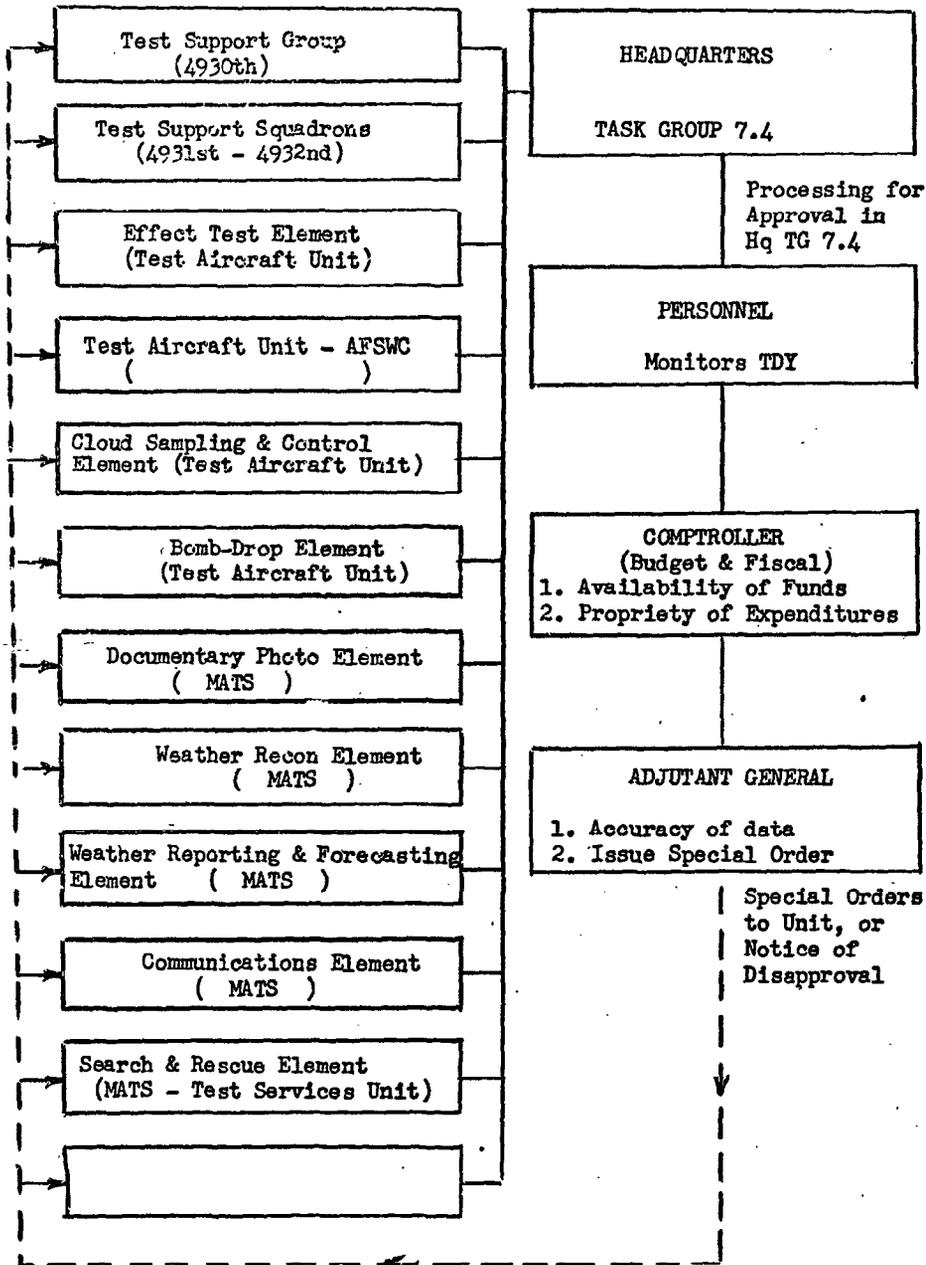
5020 - Transportation of Things

5030 - Communications

5041 - Other TG Overhead

The first digit of the allotment serial number will indicate the headquarters receiving the allotment. The number 9 will be used for Headquarters, JTF SEVEN; 1 for TG 7.1; 2 for TG 7.2; 3 for TG 7.3; 4 for TG 7.4; and 5 for TG 7.5.

TASK GROUP 7.4 PROCEDURES FOR
PROCESSING OF TDY REQUESTS
AT TASK FORCE DUTY STATIONS



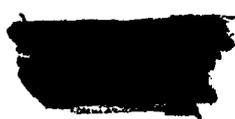
LEGEND:

TASK GROUP 7.4
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REQUEST & COORDINATION
APPROVAL OR DISAPPROVAL

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Annex K
In 7 pages w/2 Appendices
Consisting of 1 page each

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ANNEX K

TO

OPERATIONS ORDER NO. 1-53

AIRCRAFT CONTROL

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TASK GROUP 7.4
OPRS ORDER NO. 1-53
ANNEX K

K





ANNEX K
TO
OPERATIONS ORDER NO. 1-53
AIRCRAFT CONTROL

HEADQUARTERS
TASK GROUP 7.4, PROVISIONAL
Kirtland Air Force Base, New Mexico
15 August 1953, 1800T

1. AIRCRAFT CONTROL POLICY:

a. Commander, JTF SEVEN has directed that during shots and re-
hearsals, command of JTF air operations will be exercised through the CIC
of the Command Ship; that the CIC will be supervised by JTF controllers
provided by TG 7.4; and that the CIC will control the movement of TG 7.4
aircraft and such other aircraft as may be appropriate.

b. The control of TG 7.4 aircraft during other than shot and
rehearsal periods will be exercised through the ENIWETOK AOC.

c. Certain other agencies will be delegated limited aircraft
control functions by the two (2) primary controlling agencies as follows:

(1) Shot and rehearsal periods. (See Appendix 1)

(2) All operational periods. (See Appendix 2)

d. Aircraft control is a broad term encompassing both overall control and
direct control defined below:

(1) Overall control is defined as supervisory control of all aircraft
participating in the operation, exercised either directly or
through subordinate control agencies.

change #1

(2) Direct control, also referred to as "Primary Control", is defined
as movement control of designated aircraft exercised through
direct and frequent radio contact.

(b) Adequate telephone communications to the JOC and
Flag Plot (Commander's Post).

(c) Adequate HF radio facilities for ship-to-ship,
ship-to-air and ship-to-shore communications.

(d) Adequate VHF air-ground communications.

change #1

(e) ~~Five~~ ^{Seven (7)} PPI scopes adequate for control of air-
craft.

(f) One (1) AN/SPS-6B search radar with the following
ranges:

1. 80 miles on bomber type aircraft.

2. 40 miles on jet fighter type aircraft.

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3. 150 miles on all aircraft equipped with Mark 10 IFF (AN/APX-6).

b. CIC Communications Requirements:

- (1) VHF Radio:
 - (a) Six (6) voice channels for aircraft control and emergency communication with control towers.
- (2) HF Radio:
 - (a) One (1) voice air-ground channel for aircraft control.
 - (b) Two (2) voice channels for command, reporting and control to ENIWETOK AOC and CIC, Control Destroyer.
 - (c) One (1) HF voice SAR channel.
- (3) Wire and Radio Telephone:
 - (a) Direct communications to ENIWETOK AOC.
 - (b) Direct communications to firing rooms. (Specific requirements to be finalized later by CTG 7.1 and CTG 7.4.)
- (4) CIC Net Telephone.
- (5) Two (2) ship telephones to switchboard.

c. Specific CIC Functions (During Rehearsals and shots):

- (1) Relay command directives as required from Comdr, JTF SEVEN and Comdr, TG 7.4 to JTF SEVEN aircraft and air units.
- (2) Maintain overall control of all TG 7.4 aircraft and such other aircraft as may be directed by Comdr, JTF SEVEN.
- (3) Maintain primary or direct control of all aircraft except as delegated to the Control Destroyer, the Control B-36 or the ENIWETOK AOC. The Command Ship CIC will monitor the primary control of aircraft delegated to these subordinate control agencies.
- (4) Detect, identify and positively track by radar all aircraft operating within radar coverage and track by obtaining radio position reports all other TG 7.4 aircraft.
- (5) Maintain a plotted display showing the planned and actual flight paths of TG 7.4 aircraft operating in the shot or cloud area.
- (6) Insure that predetermined flight paths are made good by critical TG 7.4 aircraft operating in the shot area,

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and direct any changes in those flight paths made necessary by the exigencies of the situation.

- (7) Exercise control of required JTF SAR forces, and coordinate Search and Rescue operations with the SAR Controller aboard the CVE, the Control Destroyer, the ENIWETOK AOC and the Area SAR Commander.
- (8) Relay to interested agencies required information to and from aircraft operating in the test area.
- (9) Keep the Joint Operations Center and Comdr, JTF SEVEN informed of all air emergencies.
- (10) Provide the ENIWETOK AOC with the necessary information from which to maintain a current plotted picture of cloud movement and air operations in the shot and cloud area.

d. CIC Procedures:

- (1) In order to accomplish the functions outlined above, the Senior Air Controller, TG 7.4, will personally delegate primary control functions to the Control B-36, the ENIWETOK AOC and the Control Destroyer as required. He will also delegate control functions in the CIC to assistant controllers as follows:

1st Scope Controller

Pre-Shot

Emergency Guard D
Time Hack Guard B

Post-Shot

Emergency Guard D

2d Scope Controller

One (1) C-54 Photo aircraft,
PETER 2

One (1) B-29 Weather
Aircraft, WILSON 1

3rd Scope Controller

One (1) C-54 Photo aircraft,
PETER 3
VIP aircraft, VIKING 1, 2 & 3

4th Scope Controller

One (1) B-36 Effects Aircraft,
ELAINE 1

Monitor TIGER
Scientific Sampling

5th Scope Controller

One (1) B-36 Sampler Control,
CASSIDY 1
Two (2) SA-16 Search & Rescue,
STABLE 1 & 2
One (1) B-29 Weather Aircraft,
WILSON 1

One (1) B-36 Sampler
Control, CASSIDY 1
Two (2) SA-16 Search &
Rescue, STABLE 1 & 2
Twelve (12) F-84 Samplers,
TIGER RED, WHITE & BLUE
Two (2) B-36 Samplers,
FLOYD 1 & 2

change #1

TASK
OPRS
ANNE

6th Scope Controller

One (1) B-47 Effects Aircraft,
ELAINE 2

Assist Scope Controller
#5 with F-84 Samplers

7th Scope Controller

One (1) C-54 Photo Aircraft,
PETER 1
Three (3) B-50 IBDA, HARDTIME
1, 2 & 3

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~~H-6 to H-Hour: One (1) B-36 effects aircraft and one (1) WV-29, if required.~~

~~H-Hour to H/6: F-84's to and from sampling area.~~

~~5th Controller (USAF)~~

~~Primary Control -~~

~~B-36's, Monitors B-36 Primary Control of Other Aircraft~~

~~H-6 to H/8: B-36 control aircraft, B-36 sampler aircraft, SAR aircraft, F-84's in sampling area.~~

- (2) Detailed CIC SOP's will be prepared by the Senior Air Controller, TG 7.4, in coordination with the Command Ship CIC Controllers and the Commander, Test Aircraft Unit.

3. CONTROL DESTROYER:

a. Control Destroyer Functions:

- (1) To supplement the aircraft control, navigational aid and SAR functions of the Command Ship.

b. Communications Requirements:

- (1) Two (2) VHF radio channels.
(2) One (1) AN/SPS-6 radar and Mark 10 IFF.
(3) One (1) HF air-ground channel.
(4) One (1) LF beacon.
(5) One (1) HF radio channel to CIC, Command Ship.

4. THE AIR OPERATIONS CENTER (AOC), ENIWETOK:

a. Specific AOC Functions:

- (1) During all operational periods:
- (a) Supervise and coordinate operations of the ENIWETOK Control Tower, VHF/DF Station, GCA, Base Operations, Airlift Operations and SAR aircraft.
- (b) Act as the air traffic control and approach control agency in the ENIWETOK area for all TG 7.4 aircraft and such other aircraft as directed by Comdr, JTF SEVEN or as request such service.
- (c) Control all SAR operations in the ENIWETOK area through the SAR Operations Section in coordination with the Area SAR Commander, TG 7.3 CIC on the CVE, the Command Ship CIC and designated representatives of TG 7.2.

TASK GROUP 7.4
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- (d) Relay command directives as required to airborne aircraft.
- (e) Relay all flight plans of TG 7.4 aircraft to TG 7.3 as required in execution of the JTF air defense mission.
- (f) Execute evacuation or other emergency plans as directed by Comdr, TG 7.4.

(2) During Shot and Rehearsal Periods Only:

- (a) Insure that TG 7.4 aircraft takeoff schedules are met. (The actual control of aircraft takeoffs will be exercised by designated representatives of Commander, Test Aircraft Unit, operating from the Control Tower and a radio equipped jeep. These officers will maintain direct communication with and operate under the broad supervision of the AOC).
- (b) Relay takeoff and landing times of all aircraft to the Command Ship CIC.
- (c) Maintain a current air operations board reflecting the position of all TG 7.4 aircraft. (These Positions will be relayed to the AOC by the Command Ship CIC, the Control Destroyer and by aircraft.)
- (d) Execute command directives from the Command Ship CIC.
- (e) Provide facilities for monitoring air operations by official observers.

b. Detailed AOC SOP's will be prepared by the Senior Aircraft Controller, TG 7.4, prior to 15 January 1954.

c. AOC Communications Requirements:

- (1) Two (2) HF voice radio circuits to CIC, USS ESTES.
- (2) Direct telephones to Comdr, TG 7.4, Switchboard, Weather, Base Operations, Control Tower, GCA and SAR alert.
- (3) HF, VHF voice and CW channels for SAR monitoring and control as required.
- ~~(4) One (1) land-line teletype circuit.~~
- ~~(5) One (1) direct telephone to Command Ship CIC.~~
- (6) AN/TTQ-1 operations center equipment with display boards.
- (7) Modified Mark 10 interrogator with associated scopes.
- (8) Three (3) VHF and one (1) HF air-ground radio channels.

change #1

5. B-36 CONTROL AIRCRAFT:

TASK GROUP 7.4
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a. Specific Control Aircraft Functions:

- (1) Assumes primary control of F-84 sampler and SAR aircraft enroute to the sampling area when so directed by the Senior Air Controller or the Command Ship.
- (2) Executes primary control of F-84 samplers and SAR aircraft in the sampling area under the broad supervision and monitoring of the Senior Air Controller on the Command Ship.
- (3) Provides departing F-84's and SAR aircraft with steers to the Command Ship and relinquishes primary control to the Command Ship when so directed by the Senior Air Controller.

b. Communications Requirements for Aircraft Control:

- (1) Two (2) eight (8) channel VHF Voice Radio Sets.
- (2) One (1) HF Voice and CW Transmitter.
- (3) One (1) HF Receiver.
- (4) Two (2) Search Radars, one (1) upward looking.
- (5) One (1) AN/APX-6 Transponder.
- (6) Two (2) AN/APX-6 Interrogator-Responders.
- (7) Two (2) L-Band Antenna for IFF Interrogators.
- (8) Interphone System.
- (9) Two (2) - 5" PPI Scopes with Magnifiers.
- (10) One (1) Radio Compass.
- (11) One (1) Loran Receiver.

c. Minimum Control Aircraft Personnel Requirements:

- (1) Pilot and Co-pilot.
- (2) Flight Engineer.
- (3) Navigator.
- (4) Assistant Navigator and Controller.
- (5) One (1) Radio Operator.
- (6) Radar Mechanic-Operator.
- (7) Senior Air Controller.
- (8) One (1) Radiological Monitor.

d. Detailed control aircraft SOP's will be prepared by the Senior

TASK GROUP 7.4
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Air Controller, TG 7.4 prior to 15 August 1953.

6. COMMUNICATIONS CHANNELS AND CALL SIGNS:

- a. In order to clarify air-ground and air-air communications relationships set forth in this order, see Appendix 5 to Communications Annex D. This Annex prescribes the HF and VHF frequencies and channel designations to be installed in the Command Ship CIC and in each TG 7.4 aircraft.
- b. Call Signs and Code Words for the operation are published as Appendix 3 to the Communications Annex D.
- c. Each TG 7.4 aircraft participating in the operation will be equipped with a Mark 10 APX-6 transponder.

HOWELL M. ESTES, JR.
Brigadier General, U. S. A. F.
Commander

2 Appendices

- 1. Delegation of Control Functions by CIC Command Ship
- 2. Delegation of Control Functions by ENIWETOK AOC

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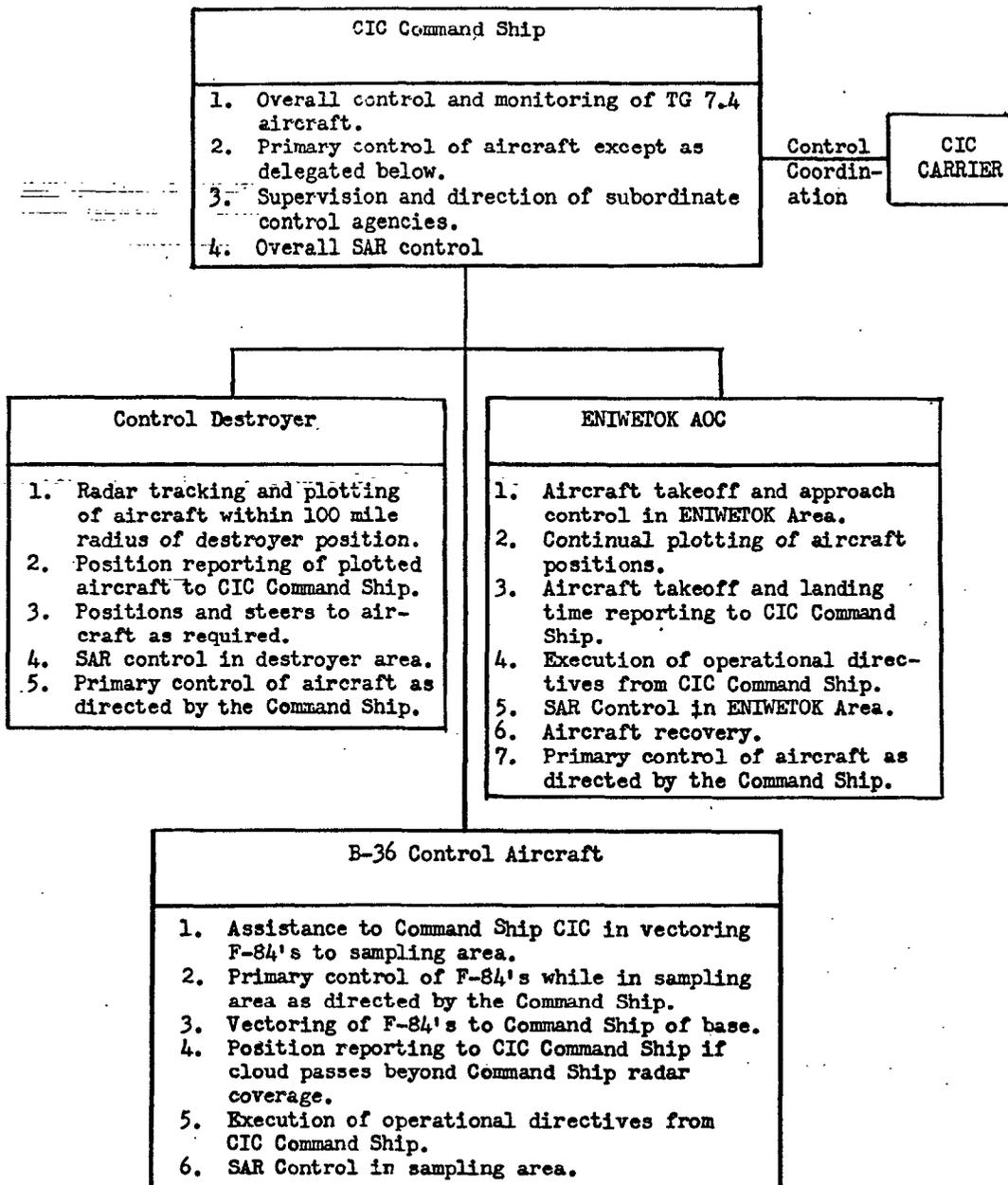
Harry B. Allen
HARRY B. ALLEN
Lt Colonel, USAF
Director of Operations

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APPENDIX 1
TO
ANNEX K
OPERATIONS ORDER NO. 1-53
AIRCRAFT CONTROL

DELEGATION OF CONTROL FUNCTION BY CIC COMMAND SHIP



TASK GROUP 7.4
OPRS ORDER NO. 1-53
ANNEX K, APNDX 1

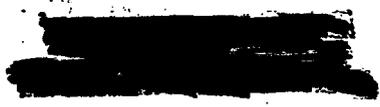
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Annex L

In 2 Pages

ANNEX L

TO

OPERATIONS ORDER NO. 1-53

FLIGHT SAFETY

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TASK GROUP 7.4
OPRS ORDER NO. 1-53
ANNEX L



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APPENDIX 2

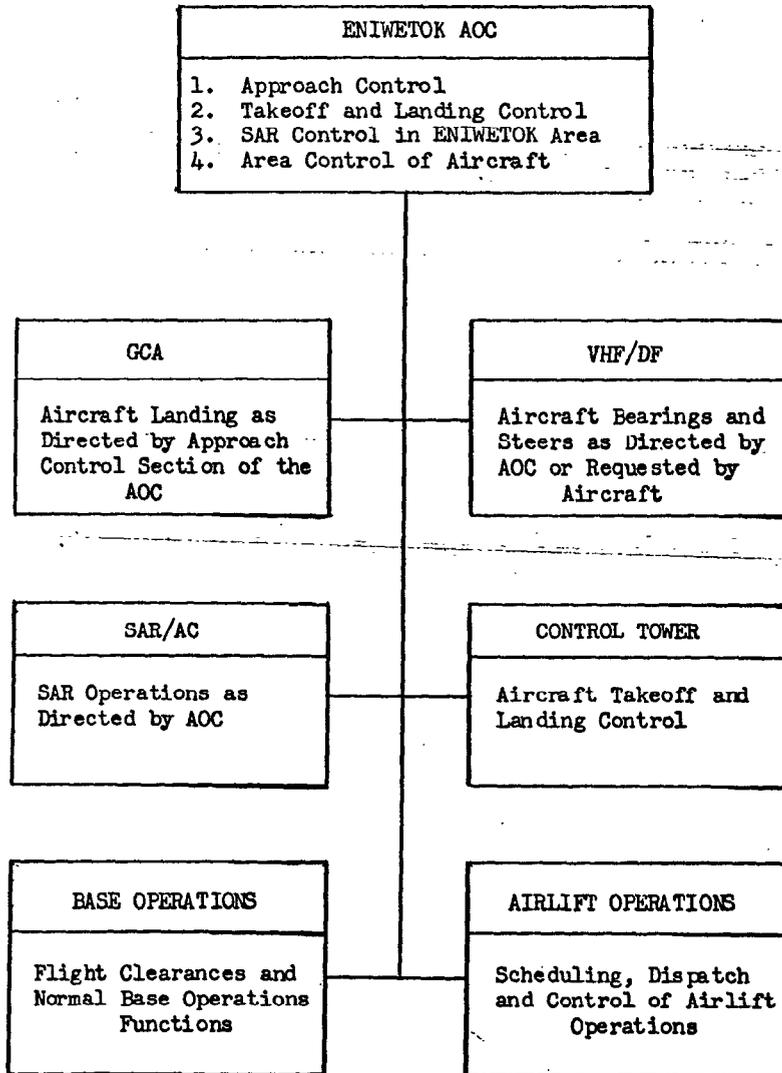
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ANNEX K

OPERATIONS ORDER NO. 1-53

AIRCRAFT CONTROL

DELEGATION OF CONTROL FUNCTIONS BY ENIWETOK AOC



TASK GROUP 7.4
OPRS ORDER NO. 1-53
ANNEX K, APNDX 2

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ANNEX L
TO
OPERATIONS ORDER NO. 1-53
FLIGHT SAFETY

HEADQUARTERS
TASK GROUP 7.4, PROVISIONAL
Kirtland Air Force Base, New Mexico
15 August 1953, 1800T

1. GENERAL:

a. The prevention of aircraft accidents and the establishment and maintenance of an aggressive, effective aircraft accident prevention program of all aircraft under the operational control of the Comdr, TG 7.4, is a command responsibility. This will be personally exercised by each unit commander. This responsibility does in no way minimize the responsibility resting upon every individual concerned with the maintenance and operation of aircraft within this command.

2. PRIMARY MISSION:

a. Flight Safety Programs will be established to prevent loss of lives and property in the accomplishment of the ultimate Task Group mission.

3. RESPONSIBILITIES:

a. Commander, Task Group 7.4, will designate a full-time, primary duty Flight Safety Officer who will report directly to him. The Flight Safety Officer will:

- (1) Develop and conduct an effective and aggressive aircraft accident prevention program.
- (2) Exercise supervision of investigation and reporting accidents of aircraft assigned to TG 7.4, and any other aircraft accidents as may be required by AFR 62-14. Particular emphasis will be placed on assuring thorough and accurate investigations and reports.
- (3) Inspect training programs to assure complete qualification of pilots and crews in the maximum safe operation of assigned aircraft.
- (4) Conduct accident studies, making necessary investigations and inspections, and initiating necessary safety requirements throughout the Task Group.
- (5) Take necessary steps to promote air discipline.
- (6) Make effective use of Flight Safety publications.
- (7) Assure compliance with all flight regulations and accident prevention policies by constant supervision and frequent inspection.
- (8) Review all safety measures currently in force and make

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such additions and revisions as may be necessary to assure the safety of aircraft and crews.

- (9) Monitor survival training programs to assure thoroughness and comprehension by all air crews.
- (10) Check operations and rescue plans to assure that maximum safety is provided.
- (11) Check crew briefings to assure thoroughness and standardization.
- (12) Spot check aircraft maintenance activities, making recommendations to alleviate unsatisfactory practices noted.
- (13) Conduct flight safety surveys at bases of operation of TG 7.4.

b. Commanders of subordinate units will designate a unit Flight Safety Officer (may be additional duty). This unit Flight Safety Officer, under the supervision of his immediate commander and TG 7.4, Flight Safety Officer, will conduct a Flight Safety Program for his unit as outlined in paragraph 3a, (1) through (13). In addition, he will be placed on the Aircraft Accident Investigating Board of TG 7.4. He will be thoroughly familiar with aircraft accident reporting procedures peculiar to the various commands of the aircraft attached to his particular unit.

HOWELL M. ESTES, JR.
Brigadier General, U. S. A. F.
Commander

OFFICIAL:

Harry B. Allen
HARRY B. ALLEN
Lt. Colonel, USAF
Director of Operations

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SK GROUP 7.4
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ANNEX M

In 3 Pages

ANNEX M

TO

OPERATIONS ORDER NO. 1-53

SCHEDULE OF EVENTS

TASK GROUP 7.4
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ANNEX M
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SCHEDULE OF EVENTS

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ANNEX M
TO
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SCHEDULE OF EVENTS
(Revised)

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HEADQUARTERS
TASK GROUP 7.4, PROVISIONAL
Kirtland Air Force Base, New Mexico
4 December 1953, 1800T

1. SHOT SCHEDULE:

<u>SHOT AND CODE</u>	<u>DATE</u>	<u>SITE</u>
#1 BRAVO	B Day 1 Mar	BIKINI
#2 UNION	U Day 11 Mar	BIKINI
#3 YANKEE	Y Day 22 Mar	BIKINI
#4 ECHO	E Day 29 Mar	ENIETOK
#5 NECTAR	N Day 5 Apr	BIKINI
#6 ROMEO	R Day 15 Apr	BIKINI
#7 KOON	K Day 22 Apr	BIKINI

2. TASK GROUP 7.4 SCHEDULE OF EVENTS:

B Shot - 165 Days
(15 Sep 53)

Sixty (60) day C-54 Documentary Photographic Training Period Begins
in Conjunction With Lookout Mountain Laboratory.

B Shot - 150 Days
(1 Oct 53)

F-84 Modification Completed.
B-36 Control Aircraft Modification Completed.

B Shot - 135 Days
(15 Oct 53)

Parent Commands Provide TG 7.4 With Final Overseas Movement Require-
ments.

Execution Order Published for TG 7.4 Full Scale ZI Rehearsal.

B Shot - 123 Days
(27 Oct 53)

Joint Task Force Rehearsal.

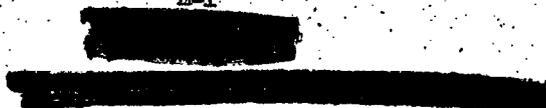
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ANNEX M

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B Shot - 108 Days
(15 Nov 53)

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Movement Order Published for all Elements of TG 7.4.

B Shot - 75 Days
(15 Dec 53)

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B-36 High Altitude Sampler Modification Completed.

B Shot - 35 Days
(25 Jan 54)

The Joint Task Force Weather Central in Place and Operational in
the Forward Area.
Weather Reporting Element in Place and Operational.

B Shot - 30 Days
(1 Feb 54)

TG 7.4 in Place and Operational in Forward Area.

B Shot - 25 Days
(5 Feb 54)

ENI.ETOK Air Operations Center Operational.

B Shot - 14 Days
(15 Feb 54)

First TG 7.4 Forward Area Rehearsal (All Elements).

B Shot - 7 Days
(22 Feb 54)

Second TG 7.4 Forward Area Rehearsal (All Elements).

BRAVO

1 Mar 54

UNION

11 Mar 54

YANKEE

22 Mar 54

ECHO

29 Mar 54

NECTAR

5 Apr 54

ROMEO

15 Apr 54

KOON

22 Apr 54

ROLL-UP

As Directed.

LAST SHOT / 2 DAYS

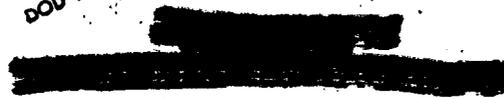
24 Apr 54

TASK GROUP 7.4
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Draft of Final Report Completed.

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(Joint Task Force and TG 7.4 Between-Shot Rehearsals Will be
Announced Later.)

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HOWELL H. ESTES, JR.
Brigadier General, U.S.A.F.
Commander

OFFICIAL:

Paul H. Fackler
PAUL H. FACKLER
Lt Colonel, USAF
Director of Operations

TASK GROUP 7.4
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ANNEX N

In 3 pages

ANNEX N

TO

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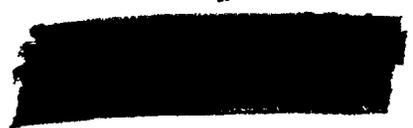
INTER-ISLAND AND INTER-ATOLL AIRLIFT OPERATIONS

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TASK GROUP 7.4
OPRS ORDER NO. 1-53
ANNEX N

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ANNEX N
TO
OPERATIONS ORDER NO. 1-53
INTER-ISLAND AND INTER-ATOLL AIRLIFT OPERATIONS

HEADQUARTERS
TASK GROUP 7.4, PROVISIONAL
Kirtland Air Force Base, New Mexico
15 August 1953, 1800T

1. GENERAL:

a. Task Group 7.4 is responsible for providing forces to operate an inter-island and an inter-atoll airlift system in the forward area for the Army Task Group Comdr during the CASTLE (RESTRICTED, SI) build-up phase. This phase will continue until 15 January 1954. On this date, with the commencement of the operational phase, Comdr. TG 7.4, will assume operational control of airlift forces. This responsibility is further defined in paragraph 3 below. He will retain this control until CASTLE (RESTRICTED, SI) roll-up completion, the date of which will be specified later.

2. BUILD-UP PHASE:

a. For the remainder of the build-up phase, the Comdr, 4930th Test Support Group, will continue to provide forces to operate an inter-island and inter-atoll airlift system at ENIWETOK and BIKINI ATOLLS for the Army Task Group Comdr under existing Air Force Special Weapons Center and JTF SEVEN directives and agreements.

3. OPERATIONAL PHASE:

a. General:

change
(1) On 1 February 1954, the 4930th Test Support Group will be designated as the "Test Support Unit" of TG 7.4 for the CASTLE (RESTRICTED, SI) operational period. On this date, the Test Support Unit will be responsible to Comdr, TG 7.4 for operation of the inter-island and inter-atoll airlift systems in the forward area as specified below.

b. Inter-Atoll Airlift System:

(1) The Test Support Unit will operate an inter-atoll airlift system between ENIWETOK and BIKINI ATOLLS, with flights to other atolls in the forward area as required to support Joint Task Force elements in accordance with the following policies:

(a) Two (2) PBM aircraft from the Naval Task Group will be placed under the operational control of Comdr, TG 7.4 to augment the ENIWETOK-BIKINI service. The Test Support Unit will exercise this control for Comdr, TG 7.4.

(b) Requirements for personnel and cargo space will be placed with the Test Support Unit by using agencies

TASK GROUP 7.4
OPRS ORDER NO. 1-53
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twelve (12) hours prior to the time lift is required.

- (c) The Test Support Unit will schedule and dispatch all inter-atoll lift aircraft for Comdr, TG 7.4. When combined lift requirements exceed available lift, Comdr, JTF SEVEN's designated representative on-site will act as arbiter and determine priority in light of the overall Joint Task Force mission.
- (d) On K minus 1 day, C-47 aircraft will be withdrawn from ENIWETOK-BIKINI service. Following the shot, ENIWETOK-BIKINI service will be provided by PEM aircraft taking off from the ENIWETOK airstrip and landing in the BIKINI LAGOON.

c. Inter-Island Airlift System:

- (1) ENIWETOK AREA: The Test Support Unit will operate a liaison aircraft and helicopter airlift system at ENIWETOK ATOLL in accordance with the following policies:
 - (a) Normal requirements for liaison aircraft and helicopter use will be placed with the Test Support Unit by using agencies twelve (12) hours prior to the time the lift is required. Requirements will be detailed, to include complete inter-island itinerary and lift load.
 - (b) The Army Task Group Comdr will place the Army Helicopter Element under the operational control of Comdr, TG 7.4. The Test Support Unit will exercise this control for Comdr, TG 7.4.
 - (c) The Naval Task Group Comdr will place naval helicopters under the control of TG 7.4 during ENIWETOK shot periods as directed by Comdr, JTF SEVEN. The Test Support Unit will exercise this control for TG 7.4.
 - (d) The Test Support Unit will schedule and dispatch all ENIWETOK liaison and helicopter aircraft for Comdr, TG 7.4. When combined Task Force requirements exceed available lift, Comdr, JTF SEVEN's designated representative on-site will act as arbiter and determine priority in the light of the overall Joint Task Force mission.
 - (e) During ENIWETOK shots, the Test Support Unit will provide helicopters and liaison aircraft for post-shot surveys and sample recovery as directed by Comdr, JTF SEVEN. A Task Group 7.1 representative will accompany the pilot on these flights and provide full mission instructions and rad-safe monitor services.
 - (f) One (1) Test Support Unit helicopter will be placed under the operational control of the Test Services Unit at ENIWETOK for SAR purposes. During shot and rehearsal periods, one (1) additional helicopter will be made available to the Test Services Unit for SAR back-up.

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Annex O

(To be added later)

ANNEX O

TO

OPERATIONS ORDER NO. 1-53

DETAILED OPERATIONS PLAN

(To be added later)

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TASK GROUP 7.4
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(2) BIKINI AREA:

(a) Naval Task Group Responsibilities:

- 1. The Naval Task Group will control all helicopter activity in the BIKINI AREA, to include both land and ship based operations. The Naval Task Group will be responsible for helicopter maintenance in the BIKINI AREA and for operation of land and shipborne communications necessary for control.

(b) Air Task Group Responsibilities:

- 1. The Test Support Unit will provide helicopter pilots and minimum organizational maintenance personnel to augment Naval Task Group helicopter operations at BIKINI, and will make TG 7.4 facilities on BIKINI available to assist in support of helicopter operations as directed by Comdr, JTF SEVEN.

HOWELL M. ESTES, JR.
Brigadier General, U. S. A. F.
Commander

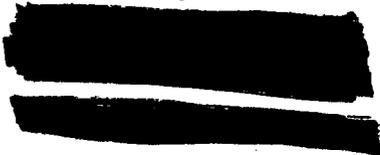
OFFICIAL:

Harry B. Allen
HARRY B. ALLEN
Lt Colonel, USAF
Director of Operations

TASK GROUP 7.4
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For 3

~~The~~ Bravo the Bikini element was moved back aboard
Bairoko, & prepared to conduct flight operations
from the CVE during the period the ship was outside
the lagoon for the shot. This element was never
returned to Bikini. After BRAVO it was impossible
for the aircraft to operate from the heavily contaminated
airstrip.

Project 2.5a involved radioactive fallout studies

Radiological Safety Regulations
CJTf SEVEN No. 1-53

into the surface ~~...~~, movement of ships ~~...~~ governed by tactical exposure guides.

(6) Individuals on board ships of the ~~...~~ shall be protected collectively from hazards of blast, ~~...~~ radioactivity by movement of the ships.

(7) It is desired to point out that ~~...~~ of the ships and units in TG 7.3, insofar as radiological ~~...~~ is concerned, is not considered routine usage within the ~~...~~ NavMed P-1325, "Radiological Safety Regulations." ~~...~~ of NavMed P-1325 indicates that its provisions will not ~~...~~ special operations such as field tests and that for such ~~...~~ personnel will operate under regulations set forth by the ~~...~~ commander. ~~...~~ regulations set forth herein have been ~~...~~ reasonable and safe compromise considering conservation ~~...~~ exposures, international import of tests and the ~~...~~ shot delays chargeable to excessive radiological ~~...~~

d. Aircraft MPLs:

(1) The interior surfaces of occupied ~~...~~ aircraft shall be reduced to 7 mr/hr.

(2) No aircraft in the air at H Hour ~~...~~ ranges ground zero less than as determined by the ~~...~~ effects and specifically directed otherwise. (Based ~~...~~ predicted ~~...~~ and 20 mile visibility):

Blast (at predicted shock arrival): ~~...~~
Thermal (H Hour): Fabric control ~~...~~ cal/cm²
Metal control ~~...~~ cal/cm²

After detonation no aircraft shall operate ~~...~~ air radi closer than 10 nautical miles from the ~~...~~ cloud specifically directed otherwise. If a ~~...~~ emergency arises where aircraft ~~...~~ enter the air ~~...~~ expo allowance shall apply.

(3) All multi-engine task force aircraft ~~...~~ at H within 100 miles of the detonation point shall ~~...~~ personnel as radiological safety monitor equipment ~~...~~ equipment and a radex plot. This monitor ~~...~~ shall be c ~~...~~ both tactical ~~...~~

TASK GROUP 7.4, PROVISIONAL
Kirtland Air Force Base, New Mexico
15 August 1953, 1800T

1. GENERAL:

a. The term Radiological Safety Operations (short term RAD-SAFE OPRS) is a general term used herein to denote the broad aspect of safety for personnel from radiological hazards. It will include training personnel in radiological safety procedures, passive radiological safety measures, decontamination activities for personnel and materiel, and the collection, recording and evaluation of research data to be translated into operational procedures for Air Force usage. The terms Radiological Safety - Rad Safety - Rad-Safe are used interchangeably to denote the specific application of Radiological Safety Operations for the prevention and avoidance of health hazards to personnel. Radiac equipment is radiation detection equipment, such as Geiger-Mueller Survey Meters and Gamma Ionization Chamber Survey Meters.

b. The purpose of this plan is to furnish instructions to all units of TG 7.4 for the conduct of Radiological Safety Operations during Operation CASTLE (RESTRICTED, SI).

c. The Comdr, TG 7.4, will establish a code to be used in conjunction with periodic weather reconnaissance reports to report approximate air radiation intensities encountered on regularly established weather reconnaissance or cloud tracking flights.

2. TASKS OF OTHER TASK GROUPS:

a. The Comdr, TG 7.1, will perform the following services:

- (1) Perform all ground monitoring services associated with scientific missions, except those in conjunction with aircraft and airborne collection of scientific data.
- (2) Provide laboratory services and technical assistance to all Task Groups, to include:
 - (a) Procurement of film badges and specified supplementary items of personnel radiological safety equipment.
 - (b) Laboratory services to develop and interpret film badges.
 - (c) Personnel records of exposures from film badges.

b. The Comdr, TG 7.4, will perform all ground monitoring services associated with ENIWETOK ISLAND, except in those areas or activities assigned to other Task Groups.

TASK GROUP 7.4
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ANNEX H

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- (1) Provide helicopter and liaison air service for radiological surveys and post-shot recovery operations as directed by CJTF SEVEN. Monitors will be furnished by TG 7.1. (See paragraph 3a basic order and ANNEX N.)
- (2) Provide radiac equipment, decontamination equipment, protective clothing and similar supplies required in the forward area by TG 7.4.
- (3) Provide repair, spare parts and calibration facilities for TG 7.4 radiac equipment.
- (4) Provide primary decontamination crews and facilities for aircraft at ENIWETOK ISLAND and limited crews and facilities at the BIKINI airstrip.
- (5) Assist TG 7.3 in aircraft decontamination with TG 7.4 equipment, if required.
- (6) Promulgate an air radex for each shot.
- (7) Perform ground monitoring services on ENIWETOK ISLAND within those areas in which personnel of TG 7.4 are assigned.
- (8) Monitor the loading of filters and the removal and packaging of radioactive samples.

b. Test Aircraft Unit:

- (1) Conduct suitable rad-safe briefings for all TG 7.4 air crews.
- (2) Perform organizational maintenance on specialized radiac equipment installed in organizational aircraft.
- (3) Provide services for the removal and packaging of radiological samples or data collected by aircraft.

c. Test Services Unit:

Provide cloud tracking aircraft for collection of post-shot radiological safety "situation data" up to radius of 500 miles from target area for a period of forty-eight (48) hours, starting at approximately H plus 6 hours for each shot.

d. All Units:

- (1) Provide and train radiological safety monitors, including one airborne monitor for each multi-engine aircraft crew assigned to TG 7.4.

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TASK GROUP 7.4
OPRS ORDER NO. 1-53
ANNEX H

H-2


- (2) ~~FOR OFFICIAL USE ONLY~~
Indoctrinate all assigned personnel in basic radiological safety measures and techniques.

1 Appendix:
TG 7.4 Radiological
Safety Regulation

HOWELL M. ESTES, JR.
Brigadier General, U. S. A. F.
Commander

OFFICIAL:

Harry B. Allen

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Lt. Colonel, USAF
Director of Operations

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TASK GROUP 7.4
OPRS ORDER NO. 1-53
ANNEX H

2