

MARSHALL ISLANDS FILE TRACKING DOCUMENT

Record Number: 404

File Name (TITLE): Operational Directive,
Miss Quest

Document Number (ID): 69932

DATE: Jul

Previous Location (FROM): CIC

AUTHOR: JTF132

Additional Information: _____

OrMIbox: 21

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HEADQUARTERS, Joint Task Force 132
APO 187 (HOW), c/o Postmaster
San Francisco, California
19 October 1952, 1800 M

Operational Directive
CJTF 132 No. 1 (MIKE Event)

IVK
REF: B.05

Chart Reference: Naval Survey Map, MARSHALL ISLANDS, ENIWETOK ATOLL, No. 5203, published by Hydrographic Office, Washington, D.C.

Task Organization

- a. Headquarters Commandant, JTF 132 Major G. F. Jenkins, USA 69932
- b. TG 132.1 (Scientific Task Group) Mr. Stanley W. Burriss
- c. TG 132.2 (Army Task Group) Colonel G. E. Burritt, USA
- d. TG 132.3 (Naval Task Group) RADM C. W. Wilkins, USN
- e. TG 132.4 (Air Force Task Group) Brig Gen F.E. Glantzberg, USAF

Definitions

M Day.....Day on which MIKE shot will be detonated
MX Day.....Rehearsal day for MIKE shot
H Hour.....Time of detonation for MIKE shot
R Hour.....Time on which general reentry operations are based after MIKE shot
Pre-shot Phase.....From arrival on site through M-17
Shot Phase.....M-16 to H Hour
Post-shot Phase.....After H Hour on M Day to R Hour

1. General

- a. This operational directive emphasizes the critical items of CJTF 132 Operation Order 2-52 and supplements and amplifies certain items for MIKE event. CJTF 132 Operation Order 2-52, together with all annexes and appendices thereto, became effective as an operation order on 17 September 1952 by direction of the Commander, JTF 132.
- b. The bulk of test facilities construction has been completed. The remainder, as well as final instrument installations and calibrations, will be completed prior to MX Day (approximately M-4). Final preparations of the MIKE device will be taking place on M-5, anticipating actual test operations five (5) days later.
- c. Detonation of the device will be accomplished by a firing party consisting of individuals specifically designated by CTG 132.1 required to perform certain tasks in connection with final monitoring, timing and firing. They will be the last to leave the shot island, completing evacuation to the CURTISS and ESTES by ship's boats by H-6.
- d. Timing and firing mechanisms are located on the shot island. Various means are provided for continuous monitoring of these mechanisms up to detonation. Included are detent circuits, both automatic and remote control, for stopping the timing mechanism should it become necessary.
- e. A shot time delay occurring prior to H-15 minutes does not necessarily mean reentry of shot island by the firing party. A delay occurring after H-15 minutes will result in a postponement of at least 24 hours. The firing party will then be required to reenter the shot island, reactivate instrumentation and again evacuate. Rapid reentry capability must be main-

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tained throughout the hours preceding the shot to allow for such a movement. In the event the reentry and reestablishment process extends to a delay of greater than 48 hours an additional two (2) day postponement will result.

2. Mission

- a. Detonate MIKE device on M Day at H Hour (to be announced).
- b. Conduct experimental programs. **BEST AVAILABLE COPY**
- c. Provide for the security of the ENINETOK Danger Area by limiting entry to authorized personnel, vessels and aircraft.

3. Tasks for Subordinate Units

a. Task Group 132.1

- (1) Complete the installation and calibration of the device and all instruments and test apparatus.
- (2) Execute evacuation of personnel and equipment from PARRY and northern islands of ENINETOK ATOLL. (Annex T, CJTF OpOrder 2-52).
- (3) Arm and detonate the device.
- (4) Conduct the technical and measurement programs (Annex D, CJTF OpOrder 2-52).
- (5) Conduct the radiological safety program (Annex P, CJTF OpOrder 2-52).
- (6) Provide documentary photographic coverage (Annex W, CJTF OpOrder 2-52).
- (7) Supervise preparation for transportation of test samples from site to ZI (CJTF SOP 76-4).
- (8) Conduct reentry operations after R Hour (Annex U, CJTF OpOrder 2-52 and Annex B, attached).

(9) Be prepared to conduct decontamination upon reentry to PARRY and northern islands of the atoll, as required (Annex P, CJTF OpOrder 2-52).

b. Task Group 132.2

- (1) Support CTG 132.1 in the conduct of his mission.
- (2) Provide for the ground security of ENINETOK ATOLL, coordinating effort with CTG 132.1 during shot phase (Annex I, CJTF OpOrder 2-52).
- (3) Operate the signal communications system (Annex M, CJTF OpOrder 2-52).
- (4) Conduct evacuation of personnel and equipment from ENINETOK ISLAND (Annex T, CJTF OpOrder 2-52).
- (5) Conduct reentry operations after R Hour (Annex U, CJTF OpOrder 2-52).
- (6) Be prepared to conduct decontamination upon reentry to ENINETOK ISLAND (Annex P, CJTF OpOrder 2-52).
- (7) Provide for the radiological safety of Army personnel based on ENINETOK ISLAND (Annex P, CJTF OpOrder 2-52).

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c. Task Group 132.3

- (1) Support CTG 132.1 in the conduct of his mission.
- (2) Provide for the security of the Joint Task Force and ENIWETOK Danger Area by:
 - (a) Maintaining the status of the ENIWETOK Closed Area.
 - (b) Detecting, warning and escorting unauthorized vessels and aircraft out of the Danger Area.
- (3) Support evacuation operations (Annex T, CJTF OpOrder 2-52).
- (4) Provide ship to shore and intra-atoll surface and helicopter service to include flights for damage survey and recovery of scientific samples and film (Annex U, CJTF OpOrder 2-52 and Annexes B and C, attached).
- (5) Provide assistance in implementing the overall search and rescue mission as requested by CTG 132.4, who has primary responsibility.
- (6) Conduct radiological safety operations and provide for radiological safety of the embarked task force units during evacuation period (Annex P, CJTF OpOrder 2-52).
- (7) Transport and support mobile laboratories for reception and recording of scientific data as required by CTG 132.1.

d. Task Group 132.4

- (1) Support CTG 132.1 in the conduct of his mission.
- (2) Operate aircraft to accomplish the following:
 - (a) Penetrations of the cloud resulting from the detonation. Penetrating aircraft will be equipped to obtain samples of cloud contents in support of scientific test program (Annex D, CJTF OpOrder 2-52).
 - (b) Air refueling.
 - (c) Measurement of blast, gust and thermal radiation resulting from the detonation.
 - (d) Air drop of telemetering capsules.
 - (e) Documentary photography (Annex W, CJTF OpOrder 2-52).
 - (f) Weather reconnaissance flights to establish basis for weather prognostications for the ENIWETOK area and to provide supplementary information for post-shot radiological safety situation data (Annexes O and P, CJTF OpOrder 2-52 and Annex C, attached).
 - (g) Airborne control of sampling aircraft and such other aircraft as may be appropriate.
 - (h) Tone release signal, indirect bomb damage assessment and light attenuation measurement.
- (3) Provide search and rescue coverage (Annex Q, CJTF OpOrder 2-52).
- (4) Conduct radiological safety operations (Annex P, CJTF OpOrder 2-52).

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(5) Conduct evacuation of personnel and equipment of ENIWETOK air element (Annex T, CJTF OpOrder 2-52).

(6) Conduct reentry after R Hour of ENIWETOK air element (Annex T, CJTF OpOrder 2-52 and Annex B, attached).

(7) Be prepared to conduct decontamination of air facilities on ENIWETOK ISLAND upon reentry.

(8) Conduct radioactive samples return operations (CJTF SOP 76-4).

x. (1) Chronology of Events and Check List - Annex A, attached.

(2) It is contemplated that at 2100 hours, M-4, CJTF will establish M Day and H Hour and transmit this information to TG commanders. Once CJTF issues this execute order, all operations covered in this directive will be executed without further instructions, unless modified by dispatch from CJTF.

(3) Task group commanders will insure the safety of personnel during the critical evacuation phase of the operation. All individuals will be mustered upon embarkation and again upon sailing. Final safety checks will be instituted to insure that all personnel have been evacuated from ENIWETOK ATOLL. See Annex T, CJTF OpOrder 2-52 for details of evacuation, safety checks and reports required.

(4) Task group commanders will furnish ten (10) copies of their MIKE event directives and check lists to this headquarters, with copies to other task groups as appropriate, not later than 27 October 1952.

4. Administration - CJTF, 132 Operation Order No. 2-52 applies.

5. a. Command Posts

Open Afloat

Hq JTF 132
Hq TG 132.1
Hq TG 132.2
Hq TG 132.3
Hq TG 132.4
Hq TE 132.4.1.1

ESTES, 1200, M-2
ESTES, 1200, M-2
COLLINS, 1600, M-2
RENDOVA, 4 October
ESTES, 1200, M-1
COLLINS, 1600, M-2

b. Use Zone MIKE (Z minus 12) time in text of all communications confined to the KWAJALEIN-ENIWETOK area. Use Zone ZEBRA time in text of all other communications.

Annex

- A - Chronology of Events and Check List
- B - Post-Shot Reentry
- C - Radiological Safety



P. W. CLARKSON
Major General, USA
Commander

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DISTRIBUTION:

CTG 132.1 (10)
CTG 132.2 (10)
CTG 132.3 (10)
CTG 132.4 (10)

Operational Directive
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DISTRIBUTION:

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APO 187 (HOW), c/o Postmaster
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Annex A to CJTF 132 Operational Directive No. 1

CHRONOLOGY OF EVENTS AND CHECK LIST

Reference is made to Annex A to CJTF 132 Operation Order No. 2-52, which outlines the concept of the operation in chronological order. This annex supplements and amplifies Annex A for the MIKE event, and the tasks indicated herein are directive in nature. The Commander, Joint Task Force may change the "DAY" and "HOUR" entries by dispatch, as required.

<u>ITEM NO.</u>	<u>DAY</u>	<u>HOUR</u>	<u>EVENT</u>	<u>REMARKS</u>
1	M-13 thru M-12		COLLINS, SHANKS, LEO, LIPAN, YUMA, ARIKARA, ELDER arrive ENIWETOK	Approximate
2	M-10		MX rehearsal order dispatched; degree and extent of participation outlined	CJTF message to TG commanders. J-3 to monitor
3	M-9		Official observers instructed to depart WASHINGTON, D.C. on M-5	J-3 to monitor
4	M-7 (25 Oct)	Start 1330	Evacuation rehearsal conducted	J-4 to monitor
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5	M-6	1800	Army Port Co. moves aboard COLLINS off ENIWETOK (FRED) and commutes to shore for remaining tasks.	
6	M-6 or M-5		Task Force Weather Central trans- fers operations from ENIWETOK to ESTES	
7	M-5 (27 Oct)		100 EM from USARPAC and certain Army TG and HAN personnel board PATRICK, arriving and departing 27 October	J-4 to monitor

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<u>ITEM NO.</u>	<u>DAY</u>	<u>HOUR</u>	<u>EVENT</u>	<u>REMARKS</u>
8	M-5		Operational message dispatched to D/A and AEC that M Day expected to take place between <u> </u> and <u> </u> Nov.	J-3 to monitor. See CJTF ltr dtd 21 Aug 52 (AG 312)
9	M-5		CTG 132.3 and CTE 132.4.1.1 report "in-commission" status of boats, helicopters and liaison aircraft	Oral reports to CJTF from CTG 132.3 and CTE 132.4.1.1
10	M-5	After-noon	Hq JTF and TG Hqs move afloat for MK Day rehearsal	
11	M-5	1500	CTG 132.2 conducts security sweep of uninhabited islands	CTG 132.2 makes report to CJTF
12	M-5	1800	Final fill of milk for MIKE device started	
13	M-5 (27 Oct)	2300	Official observers depart WASHINGTON, D. C.	Hq JTF Rear submits RTT report to CJTF
14	M-4 (28 Oct)		MK Day	
15	M-4 (28 Oct)		RENDOVA participates in MK and takes on aircraft (except 3 CAP which remain ashore). RENDOVA returns to lagoon after rehearsal	
16	M-4		CTG 132.3 completes evacuation of P2V squadron personnel and light equipment from ENIWETOK to KWAJALEIN via P2V aircraft. Thereafter, P2V squadron operates from KWAJALEIN only	

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<u>ITEM NO.</u>	<u>DAY</u>	<u>HOUR</u>	<u>EVENT</u>	<u>REMARKS</u>
17	M-4		NOTAM dispatched to PACDIVMATS closing ENIWETOK airstrip on M-1	J-3 to monitor
18	M-4		TG 132.2 completes loading of all reentry equipment (rations, ammo and weapons) and administrative equipment aboard COLLINS	J-4 to monitor
19	M-4		CTG 132.2 conducts security sweep of uninhabited islands by ground or helicopter, as required	J-2 to monitor
20	M-4	0600	Weather reconnaissance aircraft capability increases to three (3) flights per day	
21	M-4	0600	ENIWETOK based forces begin evacuation to COLLINS	
22	M-4	0730	Official observers depart TRAVIS AFB. ETA at HICKAM AFB 1530	JTF LNO, Travis, submits RTT report to CJTF
23	M-4	1200	MX exercise ends	BEST AVAILABLE COPY
24	M-4	P.M.	SHANKS anchors off TEITEIRIPUCCHI (GENE) to act as base for CTG 132.1 personnel	
25	M-4	1730	Patrol aircraft intensify surveillance	

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<u>ITEM NO.</u>	<u>DAY</u>	<u>HOOR</u>	<u>EVENT</u>	<u>REMARKS</u>
26	M-4	1900	CTGs report readiness to CJTF as result of rehearsal	
27	M-4	2100	CJTF confirms M Day and H Hour and issues exocute order for MIKE if TG readiness reports and weather warrant. Message will state date and hour of detonation	J-3 to monitor
28	M-3		BALD EAGLE arrives, anchors at north end of lagoon to supply the SHANKS, CURTISS and 1 DDE; shifts berth to south end of lagoon to supply other ships. Departs prior to dark on M-1	
29	M-3		CTG 132.2 continues security sweep of uninhabited islands by ground or helicopter, as required	J-2 to monitor
30	M-3		6 EM from TG 132.2 move aboard CURTISS. (EM for official observers, if required)	
31	M-3	After Breakfast	Base camps close out at BOGALLUA (ALICE), RUNIT (YVONNE) and TEITEIRIPUCCHI (GENE) except for a small, temporary base camp on TEITEIRIPUCCHI	
32	M-3	0900 (29 Oct)	Official observers depart HICKAM	JTF LNO, Hickam, reports to CJTF
33	M-3	1200	20 EM from TG 132.2 (mess and housekeeping personnel) move aboard ESTES	8 of these from PARRY (ELMER); 12 from ENIWETOK (FRED)

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<u>ITEM NO.</u>	<u>DAY</u>	<u>HOOR</u>	<u>EVENT</u>	<u>REMARKS</u>
34	M-3	1600	Designated Hq JTF 132 personnel embark on COLLINS	J-4 to monitor
35	M-3	1600	TG 132.2 further reduces operation of ENIWETOK facilities. Clubs, messhalls, laundry, ordnance, QM supply and similar installations closed afternoon of M-3	
36	M-3	1700	Official observers arrive ENIWETOK	Project Officer to monitor
37	M-3	1800	Additional TG 132.2 personnel not required ashore board COLLINS	
38	M-3	1900	CTG report general status and investigation progress in CJTF (Use CJTF OpOrder 2-52, Annex 1, for reference).	J-4 to monitor
39	M-2	0600	H-19 helicopters move to FEMOVA control with 3 pilots and 4 maintenance personnel	J-3 to monitor
40	M-2	0700	KWAJALEIN AOC begins operations	
41	M-2	0800	Official observers start tour	Project Officer to monitor
42	M-2	0800	P2Vs patrol significant sector to 800 miles	

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43	M-2	1200		CTG 132.1 assumes security responsibility for all islands in atoll other than ENIWETOK (FRED)	
44	M-2	1200		CJTF 132 opens CP aboard ESTES	
45	M-2	1200		CTG 132.1 opens CP aboard ESTES	
46	M-2	1200		CINCPACFLT advised on outlook for UJELANG evacuation - ship movements recommended	Message to CINCPACFLT J-3 to monitor
47	M-2	1300		Last "dry run" timing signals for experiments	
48	M-2	1600		Last gear scheduled for PENDLETON is loaded off PARRY (ELMER) and PENDLETON underway for sea	
49	M-2	1600		TE 132.4.1.1 places all but six liaison aircraft in protective cover	
50	M-2	1600		Bulk of TE 132.4.1.1 and other ENIWETOK (FRED) elements evacuated under control of CTG 132.2 to COLLINS. Only following personnel left ashore: necessary boat pool and MP personnel, special upper air weather detachment, UD team and Loran detachment. Essential TE 132.4.1.1 personnel to dispatch official observer aircraft, liaison planes, 3 F4U fighters, B-17 and C-47 on M-1	J-4 to monitor

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<u>ITEM</u>	<u>NO.</u>	<u>DAY</u>	<u>HOUR</u>	<u>EVENT</u>	<u>REMARKS</u>
51	M-2	1600		CTE 132.4.1.1 opens CP aboard COLLINS	
52	M-2	1600		CTG 132.2 opens CP aboard COLLINS	
53	M-2	1800		TG commanders report status of evacuation to CJTF, with details of elements still ashore	J-4 to monitor
54	M-2	2130		Detailed command conference; MIKE execute order confirmed	
55	M-1			Surface radex forecast for H Hour to H+3	CJTF message to all TG commanders
56	M-1			P2Vs patrol significant sector to 800 miles	
57	M-1			(To be announced if necessary) - Command conference - MIKE execute order confirmed	
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58	M-1			AEC and G-3, D/A informed as to date and hour of MIKE shot	J-3 to monitor
59	M-1			CTG 132.4 reports "in-commission" status of aircraft	J-3 to monitor
60	M-1			MATS sample return aircraft arrive at KWAJALEIN, to depart on M Day thru M+4	J-4 to monitor

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<u>ITEM NO.</u>	<u>DAY</u>	<u>HOOR</u>	<u>EVENT</u>	<u>REMARKS</u>
61	M-1		CTG 132.3 completes planting of DAN buoys in ENIWETOK ATOLL area	To be done as soon as practicable with forces available
62	M-1		UJELANG evacuation to LST	CO, LST confirms by message to CJTF (thru CTG 132.3)
63	M-1	About 0800	RENOVA departs lagoon to take on CAP aircraft; then returns to lagoon to evacuate CTG 132.1 personnel	
64	M-1	0830	LEO underway for TEITEIRIPUCCHI (GENE) to load last dewar	
65	M-1	After Breakfast	SHANKS moves from TEITEIRIPUCCHI (GENE) to PARRY (ELMER) to load CTG 132.1 personnel	to monitor
66	M-1	0930	Command conference. Decision is made as to post-shot positioning of TF ships including UJELANG LST	CJTF message to CTG 132.3 for action and other CDRs for info
67	M-1	1000	Shipboard official observers depart PARRY (ELMER) for ESTES and CURTISS	Project Officer to monitor
68	M-1	1000	Tug with barges departs lagoon, weather permitting	
69	M-1	1100	Tug with AFDL departs lagoon	

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70	M-1	1130		Airborne official observers depart ENIWETOK (FRED) for KWAJALEIN	
71	M-1	1200		CTG 132.4 aboard ESTES not later than 1200	
72	M-1	1200		TF Hqs completes evacuation	J-4 to monitor
73	M-1	0950 After-noon		AGAWAM underway for sea	
74	M-1	1300		TG 132.1 personnel scheduled for evacuation to RENDOVA commence embarkation. (Loading must be completed and all personnel must be on board ship by 1700. M-1)	
75	M-1	1330		Last dewar is loaded on LEO at TEITEIRIPUCCHI (GENE) after which LEO underway for sea	
76	M-1	1400		ENIWETOK airstrip closed. B-17 and C-47 depart for KWAJALEIN; helicopters continue operation	J-3 to monitor
77	M-1	1500		Telephone exchange on ENIWETOK (FRED) closes	
78	M-1	1530		ENIWETOK ISLAND (FRED) cleared of personnel except for special upper air weather detachment	J-3 to monitor

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79	M-1	1600	All small craft left at ENIWETOK (FRED) are properly secured	
80	M-1	1600	All remaining TG 132.1 and 132.2 personnel except essential technicians board SHANKS or COLLINS by 1600	
81	M-1	1700	ESTES completes PARRY (ELMER) loading after which it departs for north end of lagoon	
82	M-1	1700	Tug with LCUs departs lagoon	
83	M-1	1700	COLLINS underway for sea	
84	M-1	1700	LST 836 on station at BIKINI for evacuation capability	
85	M-1	1740	SHANKS underway for sea	
86	M-1	1800	RENDOVA underway for sea	
87	M-1	1800	Hq Comdt, JTF; CTG 132.1 and CTG 132.2 report results of final muster to CJTF with list of individuals still ashore	
88	M-1	1810	OAKHILL underway for sea	

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89	M-1	2000	CTG 132.3 reports results of final muster to CJTF, with list of individuals still ashore	
90	M-1	2130	Command conference - execute order confirmed	
90a	M-1	2300		<i>Curtiss underway for Deterpucchi (6)</i>
91	M-1	2400	KWAJALEIN closed to all transient traffic by CTG 132.4 action	
92	M Day	H-9	70 hour cloud trajectory forecast to CINGPAC; estimated interference with air and surface traffic routes, radsafe outlook for UJELANG ATOLL and recommended precautionary measures as may be appropriate	J-3 to monitor
93	M Day		TF air controller on ESTES reports KWAJALEIN departures to JOC	
94	M Day	0001	CTG 132.4 reports air radex for H Hour to H/6	

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95	M Day	0000	PARRY (ELMER) telephone exchange closes	<i>Per Chg 1</i> <i>Shipping party aboard AVR departs for Estee</i> <i>off Parry (Elmer)</i> <i>at 0100 arrive Parry (Elmer)</i> <i>LSD on island depart lagoon with AVR aboard</i>
95a	M Day	0045		
95b	M Day	0100		
95c	M Day	0245		
96	M Day	H-6	CURTISS departs shot island for PARRY (ELMER)	
97	M Day	H-6	Firing party has boarded ESTES and ship underway for shot position	

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98	M Day	0300	Final confirmation of weather forecast	
99	M Day	H-4	CURTISS arrives FANUA (FANUA) and takes off remaining technical personnel of TG 132.1 and special upper air weather detachment from ENIWETOK (FRED)	→ 99/1
100	M Day	H-4:30	Aircraft commence take-off at KWAJALEIN	
100a	M Day	0415	LSD Oakhill on Station (pre)	
101	M Day	H-3	CURTISS underway for shot position	
102	M Day	H-1:15	Two (2) KB-29 tankers arrive at intermediate refueling area.	
103	M Day	H-30 Min.	P2V on station over CURTISS	
104	M Day	H-30 Min.	P2V on station 250 miles west of ENIWETOK (FRED)	
105	M Day	H-30 Min.	CTG 132.3 reports all ships on station	
106	M Day	H-30 Min.	Two (2) KB-29 tankers in position 50 miles SE of ground zero	
107	M Day	H-30 Min.	Control B-36 and two (2) control B-29s in position to direct sampling	

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108	M Day	H-30 Min.	CTG 132.4 (AOC on ESTES) reports aircraft on station	
109	M Day	H-20 Min.	Final report from weather sweep plane vicinity shot island	
110	M Day	H-15 Min.	Sequence timer starts	
111	M Day	H-10 Min.	Two F84 cloud sniffers on station	
112	M Day	H-9 Min.	Two canister drop B-29s cross ground zero to begin drop of 16 canisters	
113	M Day	H HOUR	DETONATION.....	
114	M Day	H Hour	B-36 and B-47 effects aircraft positioned 15 to 18 miles slant range of ground zero. B-50 instrumentation aircraft effect IHDA measurement. Three (3) C-54 and 1 B-29 begin cloud documentary photography. (IHDA - Indirect Bomb Damage Assessment).	
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115	M Day	H/10 Min.	CTG 132.3 dispatches helicopters for initial aerial survey of the atoll, followed by radsafe survey and recovery flights	
116	M Day	H/30 Min.	Dispatch message to AEC and G-3, D/A giving exact time of MIKE detonation, placing a general estimate of the overall effectiveness, and report on safety of TF personnel	J-3 to monitor

CJTF 132 Operational Directive No. ~~SECRET~~
Chronology of Events and Check List

<u>ITEM NO.</u>	<u>DAY</u>	<u>HOOR</u>	<u>EVENT</u>	<u>REMARKS</u>
117	M Day	H/40 Min.	TE 132.4.1.1 emergency reentry party goes ashore to reopen airstrip facilities	See Annex B
118	M Day	H/1	Cloud sampling by F84 samplers begins; continues thru H/5	
119	M Day	H/1	CURTISS directed to proceed to KWAJALEIN, after confirmation by CJTF	
120	M Day	H/2	TG 132.1 radSAFE center on REMDOVA reports initial atoll survey to CJTF	
121	M Day	H/2	TBM flights to KWAJALEIN commence	
122	M Day	H/3	CTG 132.4 dispatches first sample return flight from KWAJALEIN	
123	M Day	H/4	CTG 132.3 begins lagoon water survey by helicopter	
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124	M Day	H/5	Cloud sampling by F84s ends	
125	M Day	H/7	CTG 132.4 advised as to tracks for first WB-29 cloud tracking mission (H/12)	
126	M Day	H/8 (Approx.)	Last TG 132.4 aircraft lands at KWAJALEIN	

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CJTF 132 Operational Directive No. 1
Chronology of Events and Check List

<u>ITEM NO.</u>	<u>DAY</u>	<u>HOOR</u>	<u>EVENT</u>	<u>REMARKS</u>
127	M Day	H/9	CTG 132.4 dispatches second sample return flight from KWAJALEIN	J-4 to monitor
128	M Day	H/9	KWAJALEIN reopened to transient traffic by CTG 132.4 action	
129	M Day	H/19	CINCPAC advised as to general radsafe situation outside Task Force area - 70 hour trajectory forecast revised	CJTF message to CINCPAC
130	M Day	H/24	CTG 132.4 advised as to tracks for second WB-29 cloud tracking mission (H/29)	CJTF message to CTG 132.4
131	M/1		CTG 132.3 initiates radsafe survey flights of the MARSHALL ISLANDS for CINCPACFLT	
132	M/1		PM flights to inhabited islands for water samples, as required	J-3 to monitor
133	M/1	0700	Detailed atoll aerial survey for radsafe and detailed ground survey of all islands commences	
134	M/1		R HOUR announced	CJTF message to TG commanders
135	M/1	H/24	CTG 132.4 dispatches third sample return flight from KWAJALEIN	J-4 to monitor

CJTF 132 Operational Directive No. 1
Chronology of Events and Check List

<u>ITEM NO.</u>	<u>DAY</u>	<u>HOOR</u>	<u>EVENT</u>	<u>REMARKS</u>
136	M/1	H/31	CTG 132.4 instructed by CJTF as to tracks for third WB-29 cloud tracking mission (H/36)	CJTF message to CTG 132.4
137	M/1	2000	CINCPAC advised on general rad-safe situation outside task force. 70 hour trajectory forecast areas revised.	CJTF message to CINCPAC
138	M/3	0700	AEC and G-3, D/A advised as of MIKE yield, conditions of the atoll, degree of success in data recovery operations and expected date for KING.	J-3 to monitor
139	M/4		PBN flights to inhabited islands for water samples.	J-3 to monitor
140	M/4	H/96	CTG 132.4 dispatches fourth sample return flight from KWAJALEIN.	J-4 to monitor

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Annex B to CJTF 132 Operational Directive No. 1

POST-SHOT REENTRY

1. Reference is made to Annex U to CJTF 132 Operation Order No. 2-52, which outlines the post-shot reentry plan. This annex supplements and amplifies Annex U for the MIKE event.
2. Immediately after MIKE event a helicopter radsafe survey will be made of ENIWETOK ISLAND to permit the rapid reentry of a team of approximately eight (8) AF personnel who will man essential airstrip facilities to assist any emergency landing of test aircraft. This crew will clear the runway of any obstructions and will then man essential airstrip equipment. In the event the radsafe situation deteriorates after their installation ashore, they will be evacuated by helicopter. This crew will reenter once again when radsafe situation permits.
3. When R Hour is announced by CJTF, permitting general reentry, CTG 132.2 with the ENIWETOK ISLAND H&M component will reenter ENIWETOK ISLAND as rapidly as possible in accordance with instructions of CTG 132.2. The mission of CTG 132.2 is to reestablish ENIWETOK facilities as soon as possible after R Hour and to assist TE 132.4.1.1 in reestablishing airstrip facilities. To this end, the ENIWETOK ISLAND H&M complement will be accommodated aloft with TG 132.2 personnel on the USNS COLLINS.
4. Headquarters, JTF 132 personnel will reenter PARRY ISLAND after R Hour, consistent with support availability, in accordance with the following schedule:

Within 24 hours after R Hour - Military Police Detachment not to exceed 1 officer and 10 EM from ESTES.

Within 48 hours after R Hour - Signal Communications personnel not to exceed 1 officer and 25 EM from ESTES.

Within 72 hours after R Hour - Hq, JTF, 15 officers and 20 EM from ESTES.

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NOTE 1: The balance of Hq, JTF 132 personnel aboard the ESTES and the COLLINS will come ashore when adequate housekeeping facilities are reestablished by CTG 132.1, and on order of CJTF.

NOTE 2: As additional MP personnel are required on PARRY, they will be transferred by CJTF from ENIWETOK ISLAND (or the USNS COLLINS, wherever they may be at the time of requirement).

NOTE 3: Official observers aboard the ESTES will be sent to ENIWETOK as soon as airstrip facilities are reestablished and a plane can come from KWAJALEIN to pick them up.

NOTE 4: The necessary command, staff and communications personnel of Hq, JTF 132 will return aboard the ESTES for the KING event.

6. CTG 132.1 will schedule reentry of TG 132.1 personnel for radsafe survey and data recovery after the shot, as well as general reentry after R Hour, as required.
7. It is not intended that any personnel who come ashore after the MIKE event

CJTF 132 Operational Directive No. 1
Post-Shot Reentry

will be evacuated for the KING event unless their duties require their presence afloat. General evacuation to ships afloat after the KING event will be effected only if the radsafe situation requires. Such evacuation will be made on order of CJTF and ship loading plan will be the same as for the MIKE event (Annex T to CJTF 132 Operation Order 2-52).

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Annex C to CJTF 132 Operational Directive No. 1

RADIOLOGICAL SAFETY

1. Reference is made to Annex P to CJTF 132 Operation Order No. 2-52, which outlines the radiological safety plan. This annex supplements and amplifies Annex P with reference to the mission of the Task Group 132.1 radiological organization for the MIKE event.
2. Objectives
 - a. To integrate personnel and material of all task groups for the successful accomplishment of the overall task force radsafety requirements.
 - b. To establish radsafe center on USS RENDOVA on MI minus one day.
 - c. To accomplish radiological surveys of water and land surface; and to collect, analyze and disseminate air survey data for assisting CJTF in determining R Hour (the time on which post-shot operations are based).
 - d. To insure prompt relay of collated radiological situation data to CJTF to assist him in executing his operations order.
3. Tasks
 - a. Pre-Shot Phase
 - (1) Establish techniques to be employed by Task Group 132.1 in operations such as sample removal and packaging at KWAJALEIN, establishment of field working levels at all phases of recovery operations, scheduling of laboratory work loads aboard CVE, arranging for collecting of water samples from distant atolls, monitoring schedules for scientific test programs, familiarization of monitors in TG 132.1 with such test programs and providing indoctrination for a backup emergency monitor capability.
 - (2) Establishment of TG 132.1 radsafe center aboard CVE and radsafe communications channels between CJTF (Radsafe Office, Joint Operations Center) and all TG headquarters.
 - (3) Establish and administer a photographic dosimetry program.
 - (4) Coordinate techniques to be employed by Task Group 132.2 in radsafe operations on ENIWETOK ISLAND.
 - (5) Coordinate techniques to be employed by Task Group 132.3 and water sampling from the lagoon while airborne.
 - (6) Coordinate techniques to be employed by Task Group 132.3 and 132.4 in radsafe airborne operations and on KWAJALEIN.
 - b. Post-Shot Phase
 - (1) Survey of ENIWETOK ATOLL by helicopter using airborne survey techniques as necessary, simultaneously accomplishing early recovery operations.
 - (2) Evaluate the above information and keep CJTF advised (through Radsafe Office (JOC) concerning the surface contamination.

C-1

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SECURITY INFORMATION

CJTF 132 Operational Directive No. 1
Radiological Safety.

(3) Keep informed of the air radex picture from information obtained from CTG 132.4, and relay information to CJTF.

(4) Evaluate above information and keep CJTF advised as to overall radiological picture.

(5) Radsafe Office, JOC, will relay to radsafe center on CVE certain significant radsafe information from outlying weather stations and certain operational information from AFOAT operations which are reported direct to JOC.

(6) Initiate distant inhabited atoll water sampling schedule, as required.

(7) Maintain a summary of radsafe operations, particularly itemizing difficulties which task group units may experience. This information will be relayed to CJTF as soon as possible.

(8) Summarize daily the radsafe picture for CJTF with recommended release times of atoll and lagoon areas for unlimited operations. Special summaries will be submitted daily at 1900 hours to assist CJTF in advising CINCPAC of areas of significant surface contamination within 600 miles of zero point and in air areas up to 1000 miles from zero point in significant quadrant.

(9) Monitor daily the ENINETOX ATOLL islands by air even though first surveys indicate nothing of significance.

(10) Advise CJTF daily of any significant dosage readings of over 3 rcentgens.

(11) Initiate schedules for daily delivery of film badges to laboratory for processing. Early processing of film badges from TG 132.4 sampling operations is especially important.

(12) Establish radsafe control points, as required.

(13) Provide for Radsafe Center operations on PARRY ISLAND on a limited basis after R Hour.

(14) Establish procedures for emergencies such as those resulting from failure of complete detonation of device.

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27 October 1952, 1800M

Annex D to CJTF 132 Operational Directive No. 1
Signal Communications

1. General

Reference is made to Annex M to CJTF 132 Operations Order No. 2-52 which outlines the communication plan. This annex supplements and amplifies the information contained therein.

2. Mission

a. Establish and operate all communication facilities required by JTF 132 during the operational period afloat for the detonation of the MIKE weapon.

b. Be prepared to re establish minimum communication facilities ashore during the interim period between MIKE and KING.

3. Tasks for Subordinate Units

a. Communication Center, Hq. JTF 132

(1) Afloat Comm Center for JTF 132 will begin functioning aboard the USS ESTES at 0800M, M-5. ALL RTT and AN/TRC circuits will be transferred from Parry Island to the USS ESTES and remain there until ordered reactivated ashore by J-5, JTF 132. A small detachment will remain ashore to keep the Parry Comm Center functioning until 1500M, M-1.

(2) Move all personnel aboard the USS ESTES at 0700M, M-5 except those required to keep the Parry Comm Center operational.

(3) Continue to monitor but do not transmit on the Los Alamos RTT circuits after 0630M, M-5 until notified by JTF 132 Comm Center Officer to discontinue monitoring.

(4) Continue to monitor but do not transmit on the USARPAC RTT circuit after 0730M, M-5 until notified by JTF 132 Comm Center Officer to discontinue monitoring.

(5) Close Comm Center, Parry Island, at 1500M, M-1 and move personnel aboard the USS ESTES.

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b. Task Group 132.1

(1) Responsible for operation of all Scientific Task Group operational and administrative communication circuits.

(2) Transmit Voice Time Signals on circuits J-113 and J-451 to local elements of the Task Force from H-3 to H-hour.

c. Task Group 132.2

(1) Provide the following personnel who will operate communication facilities aboard the USS ESTES. Personnel will report aboard

D-1

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Appendix 1 to Annex D to CJTF 132 Operational Directive No. 1
Signal Communications

CIRCUIT CHART

J-100A	H&N Boat Pool Net
J-100B	TG 132.3 Boat Pool Net
J-111	Long Range Timing Signals
J-113	CTG 132.1 Command Net
J-201	USS ESTES - USARPAC Duplex RATT
J-207A	USS ESTES - USS RENDOVA, AN/TRC
J-210	USS ESTES - USS CURTISS, AN/TRC
J-211	USS ESTES - USARPAC CW Back-up
J-302	CJTF 132 - CTG 132.2, CTG 132.3 Voice Net
J-303	CJTF 132 - CTG 132.3 Voice Circuit
J-304	CIC ESTES Air Plot, CVE
J-306	Helicopter Net - USS ESTES - USS RENDOVA
J-318	Monitor, P2V Squadron
J-321	CJTF 132 - CTG 132.2 Voice Circuit
J-400	USS ESTES - Kwajalein Duplex RTT
J-403	Intercept, Guam Weather RTT
J-405	Facsimile Intercept, Hickam
J-409	USS ESTES - Kwajalein Voice
J-410	CIC ESTES, AOC Kwajalein, Voice
J-411	CW Simplex Weather Net
J-415	USS ESTES - Kwajalein - Weather Recon Aircraft
J-417	HF Air-Ground to Director Aircraft
J-450-457	Air-Ground Control VHF

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Colonel, Signal Corps
AC/S, J-5 Division

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D-1-1

Annex D to CJTF 132 Operational Directive No. 1
Signal Communications

the ESTES by 0730M, M-5 and will remain aboard until released by J-5, JTF 132.

Voice Radio Operators	2
CW Radio Operators	3

(2) At 0630M, M-5, silence transmitter on the Los Alamos - Eniwetok Duplex RATT circuit J-200. Continue to monitor on this circuit until notified by JTF 132 Comm Center Officer to discontinue monitoring.

(3) At 0730M, M-5, silence transmitter on the USARPAC-Eniwetok RATT circuit J-201. Continue monitoring on the circuit until notified to discontinue by JTF 132 Comm Center Officer.

(4) Close Eniwetok Comm Center at 1200M, M-1.

(5) Discontinue operation of Eniwetok telephone exchange at 1530, M-1.

d. Task Group 132.3

(1) Responsible for the operation of all TG 132.3 circuits afloat.

(2) At 0745M, M-5 activate all circuits listed in Appendix 1 except J-210 which will be placed in operation at 1500M, M-5. Maintain landline communication with Farry Island from USS ESTES until 1500M, M-5.

(3) At the conclusion of MX exercise, 1200M, M-5, discontinue operation of all circuits listed in Appendix 1 except the following which will remain aboard the USS ESTES: J-100, 201, 318, 400, 405, 403, 409, 410, 411 and 415. Reactivate all circuits at 1200 hours, M-1.

(4) Re establish telephone and teletype communication between Farry Island Comm Center and USS ESTES via landline or AN/TRC by 1300M, M-4. Discontinue at 1500 hours M-1.

e. Task Group 132.4

(1) Responsible for operation of all TG 132.4 circuits including communication facilities in the CIC aboard the USS ESTES.

(2) Provide the following personnel from TU 132.4.3.3, Eniwetok who will operate all weather circuits aboard the USS ESTES. Personnel will report aboard the USS ESTES by 0730M, M-5 and remain aboard until released by J-5, JTF 132

CW Radio Operators	9
Facsimile Operators	3
Multiplex Technician	1
RATT Technicians	3

(3) AACS circuits on Eniwetok will be transferred to the USS ESTES for operation by 0745M, M-5. These circuits are: J-318, 400, 403, 409, 410, 411 and 415.

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Annex D to CJTF 132 Operational Directive No 1.
Signal Communications

4. Administration

Headquarters Commandant, JTF 132 and Task Group Commanders will make arrangements for boat transportation and shipboard accommodations for their respective personnel.

5. Command and Signal Matters

a. J-5, JTF 132 will be located aboard the USS ESTES.

b. COI 20-2, dated 23 September 1952, Appendix B-2 (Frequency assignment), and COI 21-3 (Radio Call Signs, Address Groups and Routing Indicators) dated 1 October as amended 10 October are in effect for this operation.


c. AFSAL 5104 will be used for authentication on all circuits.

Appendices

1. Circuit Chart
2. Schedule of Events
(Communications)

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27 October 1952, 1800M

Appendix 2 to Annex D to CJTF 132 Operational Directive No. 1
Signal Communications

SCHEDULE OF EVENTS (COMMUNICATIONS)

<u>DAY</u>	<u>HOOR</u>	<u>REMARKS</u>
M-7	1300	Establish and supervise Evacuation Net
M-5	0630	Los Alamos RATT Circuit transferred to USARPAC
M-5	0700	Advance Communication Detachment moves aboard the USS ESTES
M-5	0745	USARPAC and Kwajalein RTT circuits transferred to USS ESTES
M-5	0800	JTF 132 Comm Center opens afloat
M-5	(After Noon)	MX exercise begins
M-4	1200	MX exercise ends
M-1	1500	Parry Island Comm Center closes
R/3		Advance JTF 132 Comm Center opens ashore

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Change
(No. 1)

Operational Directive
CJTF 132 No. 1 (IKE Event)

The following corrections and additions to Annex A, Chronology of Events and Check List, constitute Change No. 1 to CJTF 132 Operational Directive No. 1 (IKE Event) dated 19 October 1952:

✓ (a) Page A-9:

(1) Item 73 - Change Hour to read: "0950"

L-1882-80
0413
part 4 of

(b) Page A-10:

✓ (1) Delete Item 81

✓ (2) Delete Item 88

(c) Page A-11:

✓ (1) Item 95 - Change Day and Hour to read: "M-1 and 1630".

(2) Add Items 90a, 95a, 95b, and 95c as follows:

- ✓ 90a M-1 2300 CURTISS underway for TELTEIRIPUCCHI (GENE)
- ✓ 95a M Day 0045 Firing party aboard AVR departs for ESTES off PARRY (ELMER)
- ✓ 95b M Day 0100 CURTISS arrives PARRY (ELMER)
- ✓ 95c M Day 0245 LSD OAKHILL departs lagoon with AVR aboard

✓ (3) Delete Item 96

✓ (4) Item 97 - Change Hour to read: "0300".

(d) Page A-12:

✓ (1) Item 99 - delete so much of first sentence under EVENT as reads: "Arrives PARRY (ELMER) and"

✓ (2) Add Item 100a as follows:

✓ 100a M Day 0415 LSD OAKHILL on station

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Operational Directive
No. 1)

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