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EXERCISE DESERT ROCK VII AND VIII. OPERATION ORDER 5. (U)
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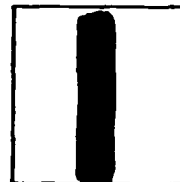
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INVENTORY

HQ Exercise DESERT ROCK VII
Camp DESERT ROCK, Las Vegas, Nevada
Operation Order 5
DOCUMENT IDENTIFICATION June 1957

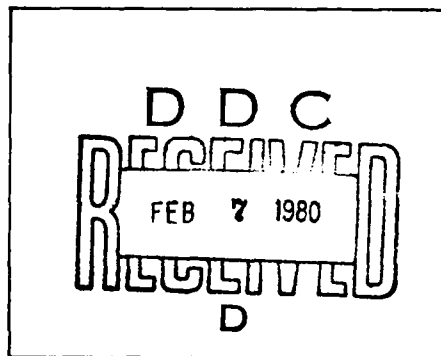
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Exercise
~~OPERATION~~ DESERT ROCK 7 & 8, OPERATION ORDER 5

Army. Camp Desert Rock. Nevada

11 June 1957

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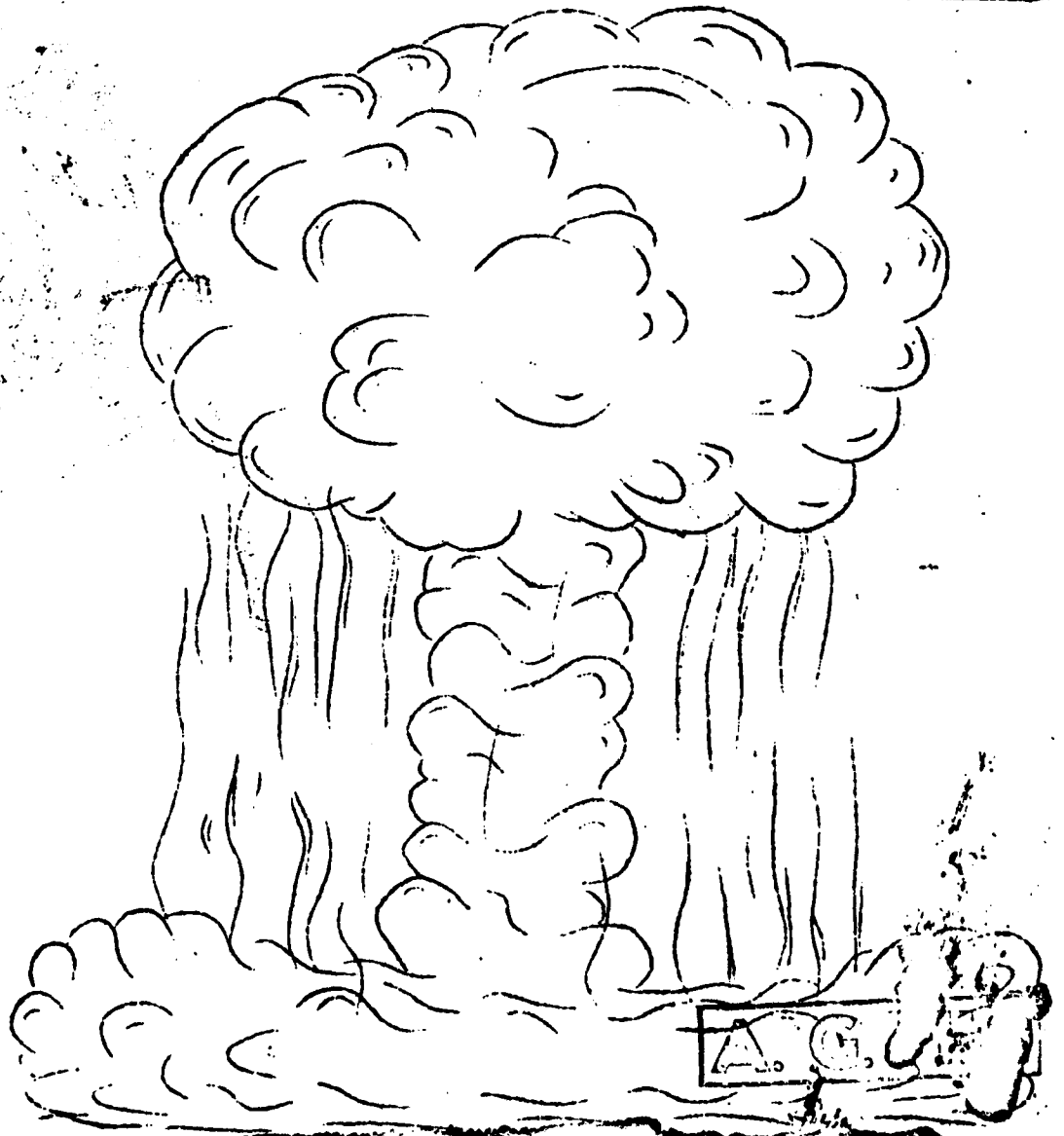
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OPERATION ORDER

NO. 5

Desert Rock VII & VIII



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24 Jan 57

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24 Jan 57

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Hq, Exercise Desert Rock VII
CAMP DESERT ROCK (872536), NEVADA
111000 June 1957

Operation Order 5

Map: NEVADA, 1:50,000, TIPPIPAH SPRING, CANE SPRINGS, SPECTOR RANGE, PAPOOSE LAKE, FRENCHMAN LAKE, and MERCURY Sheets.

Time Zone: Pacific Daylight Time

Task Organization: Annex A, Task Organization.

1. SITUATION.—The Atomic Energy Commission detonates an atomic device (PRISCILLA) at H-hour on D-day which will be observed by approximately 900 observers. After the shot personnel will monitor in the ground-zero area, Engineer and Ordnance field tests will be performed, Signal and Artillery radar sets will be operated, and Artillery Troop Test will be conducted.

2. MISSION.—Hq, Exercise Desert Rock VII, supervises and coordinates Desert Rock Army, Navy, and Air Force participation in shot PRISCILLA in the FRENCHMAN FLAT area in the NEVADA TEST SITE commencing at H-hour on D-day to:

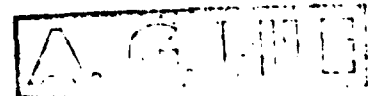
- a. Indoctrinate selected observers in effects of atomic weapons (Project personnel and selected personnel from CAMP DESERT ROCK).
- b. Track the movement of radioactive clouds, determine the height of the clouds, and investigate the feasibility of special and standardized army radar equipment for such use (Project 50.3).
- c. Study the solubility characteristics of radioactive fallout in water and study the effectiveness of selected chemical coagulants in removing fallout from water (Project 50.4).
- d. Determine the protection afforded by various types of field fortifications against atomic weapons effects (Project 50.6).
- e. Observe the operability of various types of Ordnance equipment under blast, thermal, and radioactivity effects of nuclear explosions (Project 50.7)
- f. Determine the organization, equipment, and weather data required by US Army units to predict and monitor radiological fallout (Project 50.8).

3. EXECUTION.

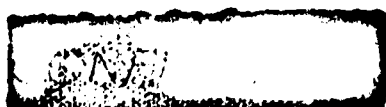
a. Concept of operation.—Personnel from CAMP DESERT ROCK and from Projects 50.2, 52.2, and 53.3 will observe shot PRISCILLA from trenches located in FRENCHMAN FLAT (Annex B, Opn Overlay). Shortly after the shot, Desert Rock rad-safety personnel will monitor and mark the equipment-display area. Upon announcement of R-hour, observers will move to the equipment-display area to observe effects of the detonation. Project 50.3 will track the radioactive cloud from approved radar sites. Project 50.4 will collect fallout samples after the shot to study solubility characteristics. Project 50.6 will determine the protection afforded by various field fortifications. Project 50.7 will position inert fuzes at various distances from ground zero to determine operability after the detonation. Project 50.8 will operate various radar sites, sound and flash sites, meteorological stations, and observation posts to achieve test objectives.

b. 50th Chemical Platoon.—Provide rad-safety support as required. Annex C, Rad-Safety Plan.

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Operation Order 5, cont'd.

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- c. Co B, 84th Engr Bn (Reinf).--Provide Engineer support as required.
- d. Unit, 8th Field Hosp.--Provide medical support as required. Annex D, Medical.
- e. 293d MP Co (-).--Provide traffic control as required. Annex E, Provost Marshal.
- f. 526th Ord Co (H.M) (-).--Provide Ordnance support as required.
- g. 232d Signal Co.--Provide Signal support as required. Annex F, Signal.
- h. 26th TC Bn.--Provide transportation support as required. Annex G, Transportation.
- i. Project 50.3.--Operate radar equipment (1--MPG-1, 1--CPS-9, 1--TPS-1D, and 1--AFQ-13) as per par 2b above from approved site in the vicinity of coordinates 884756; only equipment approved during power dry run will be operated; all other equipment will be completely secured.

j. Project 50.4.--Place fallout collection pans at 10 stations within assigned pie sector (10° -- 135°) and install laboratory site at CAMP DESERT ROCK prior to 1600 hours on D-2 days; remove pan covers and prepare pans for action on D-1 day; collect samples starting at approximately 1200 hours on D-day after released to enter pie sector by the Rad-Safety Officer and conduct laboratory processing of samples collected; continue collection and laboratory processing of samples during succeeding days until project objects are achieved as per detailed plan of test. Annex C, Rad-Safety Plan.

k. Project 50.6.--Prepare 27 emplacements as listed in detailed plan of test with assistance of Post Engineer; instrument positions with assistance of Project 2.4; conduct evaluation of results to achieve test objectives after released to enter the emplacement area by Rad-Safety Officer. Annex H, Field Fortifications.

l. Project 50.7.--Emplace the following inert Ordnance equipment in covered trenches to determine operability after exposure to atomic effects: 7 T906 bomb fuzes, 7 T905 bomb fuzes, and one box of 25 hand grenades on an azimuth of 257° and a distance of 3500 feet from GZ; same equipment on an azimuth of $258\frac{1}{2}^{\circ}$ and a distance of 2400 feet from GZ; 7 T905 bomb fuzes, 7 T906 bomb fuzes, one box of assault Artillery fuzes, two boxes of hand grenades (25 per box), 2 packaged rocket fuzes, type T2061, and one unpackage rocket fuze, type T2061, at an azimuth of 260° and a distance of 1200 feet from GZ; recover equipment from covered trenches after R-hour.

m. Project 50.8.--Emplace and operate radar equipment, sound and flash equipment, meteorological stations, and observation posts from approved sites to determine the organization, equipment, and weather data required by US Army units to arrive at yield and to predict and monitor radiological fallout; only signal equipment approved during power dry run will be operated; all other equipment will be completely secured. Annex I, Project 50.8 Locations.

(1) B-26 aircraft based at GEORGE AFB will be airborne H-30 minutes vicinity NTS and fly a race-track course 15 miles N of GZ at an altitude of 15,000 ft using approved radio channels 7 and 10; after shot pilot will fly so as to place the radioactive cloud between the plane and the radar set at Project 50.8 site A-8 so as to test the attenuation of NIKE missile control signals when operating in or beyond an atomic cloud (NIKE missile will not be used).

(2) Air and ground radiological survey will be conducted to determine the actual fallout pattern up to the 5 r/hr line; four helicopters will be positioned at the Desert Rock Decontamination Station (coordinates 848888) on D-1 day and will operate from that site, flying at an altitude of 200-1000 feet, after clearing each flight with the ACC at CP-1 by radio; three 1/4-ton trucks will be positioned prior to D-day at Project 50.8 site A-6; survey will start at H-30 minutes and both 1/4-ton trucks and helicopters will take readings at specified checkpoints, transmitting such readings by radio to the control point located at site A-6. Annex J, Rad Survey, Project 50.8.

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n. Desert Rock Aviation Section.—Provide one L-20 aircraft on ground alert at the Desert Rock air strip for air evacuation of casualties to the Nellis Air Force Base Hospital. Annex D, Medical.

o. Coordinating instructions.

- (1) H-hour is 0630 hours.
- (2) Unit commanders will insure that all Desert Rock personnel have film badges.
- (3) All personnel will be familiar with provisions of the Red-Safe Program.
- (4) All selected observers will possess at least a valid CONFIDENTIAL security clearance. Security rosters by vehicle will be prepared by S-3 (and certified by S-2 or his representative) for presentation to the MERCURY Security Office prior to the scheduled movement. Badged vehicle escort officers will be selected for each vehicle in the movement. Escort officers will load assigned vehicles by roster, red-lining the names of those personnel not present at the entrucking formation. One of two copies of the corrected roster will be handed to a DCD security representative prior to departure from CAMP DESERT ROCK. Upon return after the shot, the second copy will be signed by the escort officer and turned in to the S-3 office for file.
- (5) Vehicle escort officers will maintain absolute control of their groups from the time vehicles are first loaded until they are returned to CAMP DESERT ROCK.
- (6) All personnel will be cautioned not to pick up any items in the ground-zero area. Although innocent in appearance these items may be radioactive.
- (7) Radio silence will be maintained and all gasoline engines turned off from shot-time minus 15 minutes until shot-time plus 5 minutes, during which time all radio stations will continue to monitor their nets on battery-powered radio silence. Only messages that justify delay of shot will be transmitted during this period.
- (8) Evacuation in case of emergency will be made direct to CAMP DESERT ROCK. Annex K, Evacuation Plan.
- (9) Any damage inflicted on experimental equipment in the test site will be reported to the Control Group Commander immediately.

4. ADMINISTRATION AND LOGISTICS.

a. Administration.

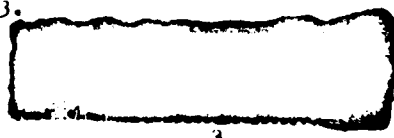
- (1) Current administrative instructions apply.
- (2) Uniform and equipment.

Fatigues	Pistol bolt
Combat boots	Canteens w/cup and cover
Field Jackets	First-aid packet and pouch
Helmet w/liner	Special equipment as required
Gas mask or dust respirator for personnel in trenches	

- (3) Hot coffee will be served in CAMP DESERT ROCK prior to entrucking.

b. Logistics.

- (1) Medical.—aid station will be established at trench area (coordinates 930697). Annex D, Medical.
- (2) Chemical.—alternate decontamination station will be established at coordinates 912603.



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(3) Transportation.

(a) List of required vehicles and drivers' names will be furnished to S-3 by the Transportation Officer. S-3 will prepare observer rosters.

(b) Vehicles will be marked on the right-front windshield with a number system, ie, A-1, A-2, etc.

(c) Each march unit will contain one empty vehicle to transport personnel in case of breakdown.

(d) A wrecker will be located at the rear of each march unit. Vehicles which break down during the movement to the observer area will be pushed to the side of the road and left until the return trip. At that time the wrecker will tow these vehicles back to CAMP DESERT ROCK.

5. COMMAND AND SIGNAL.

a. Annex F, Signal.

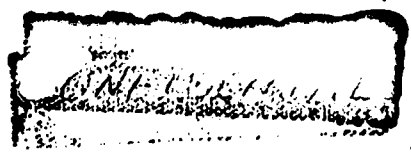
b. Commanding General or his representative will be located at CP-1. Forward CP, Exercise Desert Rock VII, will open in the trench area at H-60 minutes.

JENSEN
Brig Gen

- Annexes: A—Task Organization
- B—Opn Overlay
- C—Rad-Safety Plan
 - Appendixes: 1—Radiological Recon
 - 2—Rad-Safe Control Net
- D—Medical
- E—Provost Marshal
- F—Signal
 - Appendixes: 1—Avalanche Net
 - 2—Hilltop Net
 - 3—Wire Circuits Forward
 - 4—Wire Circuits Rear
- G—Transportation
 - Appendixes: 1—Convoy Organization
 - 2—March Table
- H—Field Fortifications
- I—Project 50.8 Locations
- J—Rad Survey, Project 50.8
- K—Evacuation Plan
- L—Sequence of Events
- M—Distribution List

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G. RAY
S-3



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HQ, EXERCISE DESERT ROCK VII
CAMP DESERT ROCK (872536), NEVADA
111000 June 1957

Annex A (Task Organization) to Operation Order 5

Map: NEVADA, 1:50,000, TIPPLER SPRING, CANE SPRINGS, SPECTOR RANGE, PAPOOSE LAKE, FRENCHMAN LAKE, and MERCURY Sheets.

HQ, EXERCISE DESERT ROCK VII

Deputy Exercise Director - - - - - Brig Gen W. A. Jensen
Executive Officer - - - - - Col C. H. Dunning
Control Group Commander - - - - - Lt Col S. L. Garay
US Army Garrison, CAMP DESERT ROCK (6019-03)

SUPPORT TROOPS

50th Chemical Platoon
Co B, 84th Engr Bn (Reinf)
Unit, 8th Field Hosp
293d MP Co (-)
526th Ord Co (HAM) (-1 Plat)
656th QM Petrol Supply Co (-)
Det, 53d QM Subsistence Supply Co
Det, 163d QM Laundry Co
232d Signal Co
Signal Supply Team (KA)
Signal Maintenance Teams (GK and RD)
Signal Pictorial Teams (AB, FC, FH, and FF)
Signal Photo Dosimetry Team
26th TC Bn
Hq & Hq Co
2d TC Truck Co (Pet)
38th TC Co (Hv)
351st TC Co (Med)
TC Provisional Aircraft Maint Det

DESERT ROCK PROJECTS

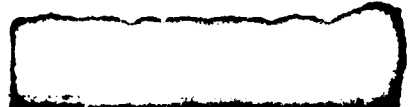
Project 50.2, US Army and AFSWP Observers
Project 50.3, Evaluation Medium Range Detonation and Cloud Tracking System
Project 50.4, Evaluation of Water Decontamination Methods
Project 50.6, Test of Field Fortifications
Project 50.7, Test of Ordnance Material
Project 50.8, Troop Test of Atomic Burst Equipment
Project 52.2, USMC Observers
Project 53.3, ADC Air Crew Observers

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~~Annex C (Rad-Safety Plan) to Ogn O 5~~

Map: NEVADA, 1:50,000, TIPPIPAH SPRING, CAME SPRINGS, SPECTOR RANGE, PAPOOSE LAKE, FRENCHMAN LAKE, and MERCURY Sheets.

1. SITUATION.--See Ogn O 5.

2. MISSION.--To provide radiological safety for operations conducted in the areas assigned and on the routes thereto to include organization, personnel, equipment, dosimetry, field decontamination, and operating procedures and restrictions for all participants based on criteria established by the Department of Defense and the Test Director.

3. EXECUTION.

a. Survey of assigned equipment-display area.

(1) 50th Cml Plt (Svc) provides three (3) motorized, radio-equipped RAD-SAFE monitor teams.

(2) After detonation of the atomic device and upon order of the Rad-Safety Officer, two (2) RAD-SAFE monitor teams will proceed forward from the vehicle revetment in the trench area and monitor the assigned equipment-display area. The third team will remain at the vehicle parking area on a stand-by status.

(3) Teams will monitor the sector boundary roads and erect metal fabricated cones to establish the 20 mr/hr line and the 5r/hr line. Yellow cones will be used to mark points on the 20 mr/hr line at the point of entry to the display area, and red cones for the 5r/hr line. Appendix 1, Radiological Recon.

(4) Upon reaching the 5r/hr line, monitor teams will cross the sector and erect red cones every 30 yards. These cones will be connected together with white Engineer tape. Teams will then proceed back to the access road, each surveying one-half of the sector to seek out any isolated areas of high intensity contamination. If found, these areas will be marked with tape and a red cone. In addition, a number of yellow cones with black spots will be erected at various locations in the display area and marked with contamination markers to indicate dose-rates to the observer personnel.

(5) RAD-SAFE teams will notify the Rad-Safety Officer of their survey data as it is determined.

(6) Observer participants will be transported from the observer trench area to the display area after the Test Director has announced H-hour and after the Rad-Safety Officer has evaluated the preliminary survey conducted by the RAD-SAFE monitors.

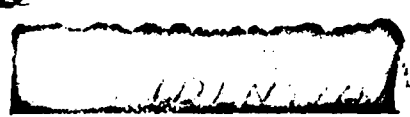
b. Survey of Project 50.4 fallout collection stations.

(1) Upon order of the Rad-Safety Officer, one (1) RAD-SAFE monitor team will proceed from the display area sometime after H plus 5 hours and take instrument readings at the ten fallout collection stations. Rad-Safety Officer will be notified of the survey data as it is determined. Appendix 1, Radiological Recon.

(2) Project 50.4 personnel and equipment will be released at the observer trench area and permitted to go to the fallout collection stations after the Test Director has announced H-hour and after the Rad-Safety Officer has evaluated the preliminary survey conducted by the RAD-SAFE monitor team.

c. Dosimetry.--See Memo Nr 8, this headquarters.

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d. Personnel monitoring and field decontamination.

(1) In addition to the Desert Rock Decontamination Station located north of YUCCA PASS, 50th Cml Plt (Svc) will establish a decontamination station north of the second security gate (Station 120) on the left side of the road (coordinates 91206030) for decontamination of vehicle and personnel only.

(2) All vehicles and personnel entering the trench and equipment-display area after shot time, will be monitored prior to return to camp. For procedures, see Memo Nr 9, this headquarters.

e. Coordinating instructions.

(1) All personnel in the trench area will enter trenches at H-30 minutes on order of the Control Group Commander. When given the command to crouch down, individuals will face to the right, crouch down, close and cover their eyes with one arm and remain in this position until the shock wave has passed. Individuals will have trousers tucked securely in boot tops; sleeves and collars will be buttoned to keep out the dust.

(2) Observers not in the trench area and who do not have density goggles of 4.2 or greater density, will close and cover their eyes with their arms and face away (180 degrees) from the detonation point when ordered to do so until detonation time plus five (5) seconds.

(3) Protective field masks or dust respirators are required for all personnel in the trench area and will be donned if breathing becomes difficult due to excessive dust or if ordered to do so. All personnel will fit and test their protective field mask before going into the forward area.

(4) When personnel are in the equipment display area, they will obey instructions on movement through the area and will abstain from touching demonstration equipment or picking up or retaining any object for a souvenir.

(5) Safety regulations published in Memo Nr 10, this headquarters, will be complied with by all personnel assigned or attached to CAMP DESERT ROCK for participation in this test shot exercise.

(6) Drivers trained as monitors will draw the necessary radiac instrument and act as the Personnel and Vehicle Monitor for his vehicle.

(7) Personnel vehicles will not enter areas with intensities of 20 mr/hr or greater.

(8) All personnel will evacuate the equipment-display area and return to their transportation if any time they see red smoke.

(9) RAD-SAFE personnel will be identified by a two-inch band of white Engineer tape mounted around their field caps.

(10) All monitor teams will operate from vehicles and WILL NOT enter pie-sector on foot.

(11) All radiological survey data will be turned in to the Rad-Safety Officer in Bldg T-112, CAMP DESERT ROCK, upon completion of the test shot exercise.

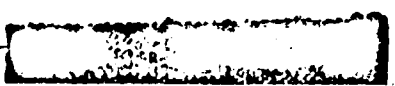
(12) All radios and gasoline engines will be turned off fifteen (15) minutes prior to shot time and will remain out of service until five (5) minutes after the detonation.

4. ADMINISTRATION AND LOGISTICS.

a. RAD-SAFE monitor teams will consist of one driver and one monitor, both trained as radio operators.

b. Four 1/4-ton monitor vehicles and necessary equipment will be moved from the Decontamination Station to the trench area late on D-1 day.

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- c. Pocket chamber dosimeters will be issued on the following basis:
 - (1) One (1) per VIP.
 - (2) One (1) per monitor team.
- d. Radiac survey meters will be issued on the following basis:
 - (1) IM-123 (XE-1).—One (1) per RAD-SAFE monitor team.
 - (2) AN/PDR-TIB.
 - (a) Two (2) per RAD-SAFE monitor team.
 - (b) Two (2) per Decontamination Station.
 - (3) AN/PDR-27a.
 - (a) Four (4) per Decontamination Station.
 - (b) One (1) per Personnel & Vehicle Monitor.
- e. Minimum equipment list for RAD-SAFE monitor teams is as follows:

<u>ITEM</u>	<u>QUANTITY</u>
1/4-ton truck w/radio	1
IM-123 (XE-1)	1
AN/PDR-TIB	2
Red	10
Cones: Yellow-Black	5
Yellow	4
Engineer tape (white)	As required
Grease pencil (dark color)	1
Compass	1
Flashlight	1
Contamination Markers, Blank	5
Grenade, Smoke, Red, M-18	2

- f. Uniform as prescribed.
- 5. COMMAND AND SIGNAL.
 - a. Rad-Safety Officer will be located at the trench area.
 - b. See Appendix 2 for radio call signs, frequencies, and RAD-SAFE Control Net.

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Appendixes: 1--Radiological Recon
2--Rad-Safe Control Net

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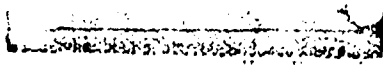
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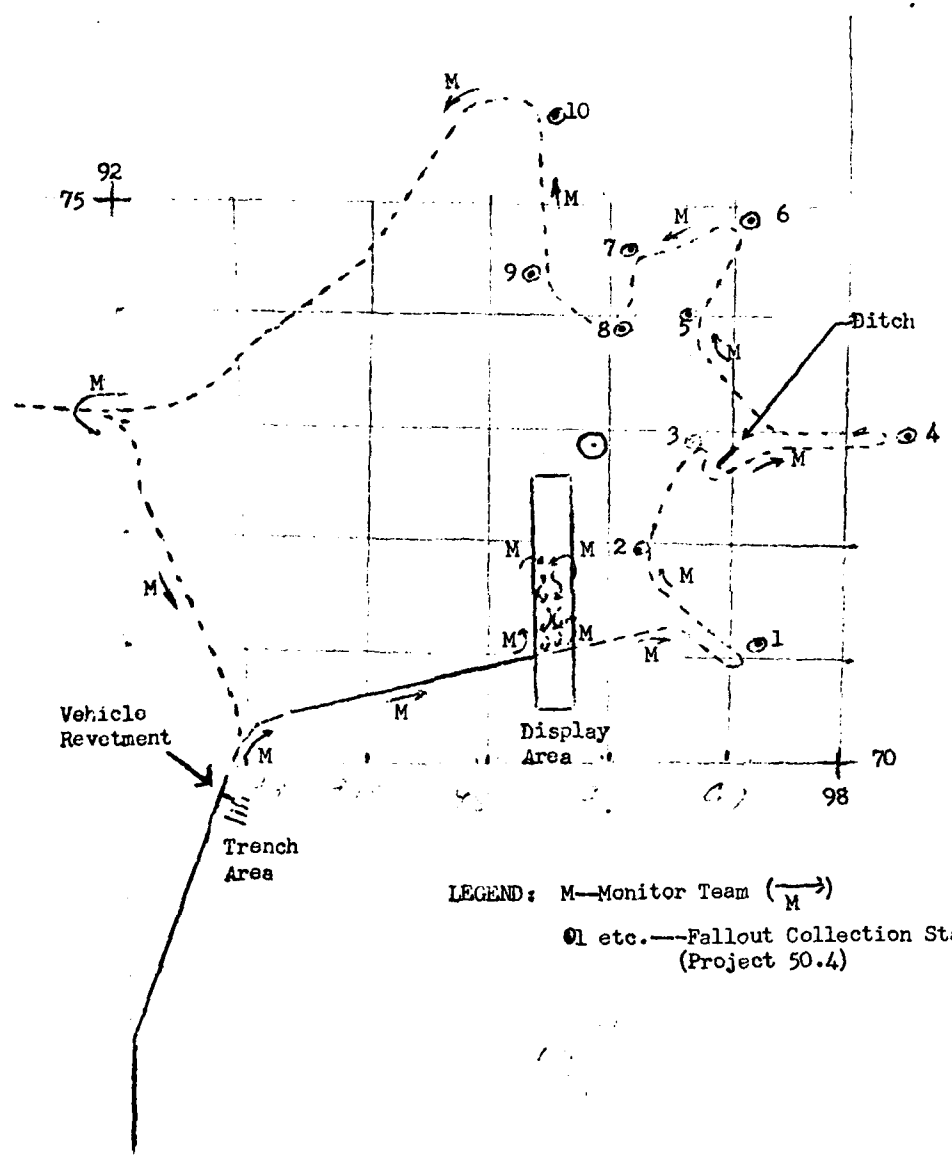
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Hq, Exercise Desert Rock VII
CAMP DESERT ROCK (872536), NEVADA
11000 June 1957

Appendix 1 (Radiological Recon) to Annex C (Rad-Safety Plan) to Opn O 5
Map: NEVADA, 1:50,000, FRENCHMAN LAKE Sheet.



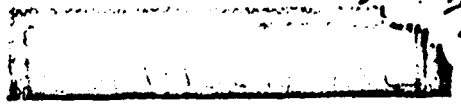
LEGEND: M—Monitor Team (→)
① etc.—Fallout Collection Station (Project 50.4)

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Camp Desert Rock VII
CAMP DESERT ROCK (872536), NEVADA
111000 June 1957

Annex D (Medical) to Opn O 5

Map: NEVADA, 1:50,000, TIPPIPAH SPRING, CAME SPRINGS, SPECTOR RANGE, PAPOOSE LAKE, FRENCHMAN LAKE, and MERCURY Sheets.

1. SITUATION.—Opn O 5.
2. MISSION.—To provide field medical support and evacuation of CAMP DESERT ROCK personnel, observers, and project personnel.
3. EXECUTION.—a. One (1) ambulance, equipped with radio, will be included in each of the four (4) march units during the movement to the trench area. After the observers are unloaded, ambulances will move with march units to the designated parking area and remain in that location on call.
 - b. Aid station will be established in the west end of trench No. 3.
 - c. One (1) aidman will be present in the command trench. Three (3) aidmen will be present in trench No. 1. Three (3) aidmen will be present in trench No. 2. One (1) medical officer and two (2) aidmen will be present in trench No. 3.
 - d. Evacuation of casualties will be by the most direct and accessible route to the dispensary at CAMP DESERT ROCK.
 - e. Reserve medical team, with two ambulances, will be on call in the Camp Desert Rock area.
 - f. Air evacuation from the Camp Desert Rock air strip to the Nellis Air Force Base Hospital will be on call.
 - g. Ambulances will return to CAMP DESERT ROCK with each march unit.
4. ADMINISTRATION AND LOGISTICS.
 - a. Uniform.—Field uniform with helmet, gas mask or dust respirator, and Red Cross brassard.
 - b. Equipment.—(1) First-aid kit to include snake bite kit for each aidman:
 - (2) One litter and two blankets for each trench.
 - (3) Normal equipment and supplies for the aid station.

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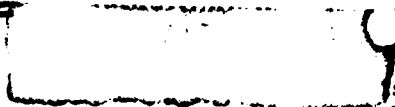
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Use Desert Rock VII
CAMP DESERT ROCK (872536), NEVADA
111000 June 1957

Annex D (Medical) to Opn O 5

Map: NEVADA, 1:50,000, TIPPIPAH SPRING, CANE SPRINGS, SPECTOR RANGE, PAPOOSE LAKE, FRENCHMAN LAKE, and MERCURY Sheets.

1. SITUATION.--Opn O 5.

2. MISSION.--To provide field medical support and evacuation of CAMP DESERT ROCK personnel, observers, and project personnel.

3. EXECUTION.--a. One (1) ambulance, equipped with radio, will be included in each of the four (4) march units during the movement to the trench area. After the observers are unloaded, ambulances will move with march units to the designated parking area and remain in that location on call.

b. Aid station will be established in the west end of trench No. 3.

c. One (1) aidman will be present in the command trench. Three (3) aidmen will be present in trench No. 1. Three (3) aidmen will be present in trench No. 2. One (1) medical officer and two (2) aidmen will be present in trench No. 3.

d. Evacuation of casualties will be by the most direct and accessible route to the dispensary at CAMP DESERT ROCK.

e. Reserve medical team, with two ambulances, will be on call in the Camp Desert Rock area.

f. Air evacuation from the Camp Desert Rock air strip to the Nellis Air Force Base Hospital will be on call.

g. Ambulances will return to CAMP DESERT ROCK with each march unit.

4. ADMINISTRATION AND LOGISTICS.

a. Uniform.--Field uniform with helmet, gas mask or dust respirator, and Red Cross brassard.

b. Equipment.--(1) First-aid kit to include snake bite kit for each aidman.

(2) One litter and two blankets for each trench.

(3) Normal equipment and supplies for the aid station.

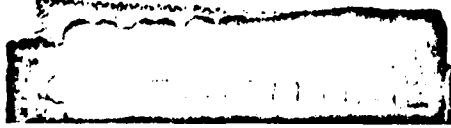
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T ROCK (872536), NEVADA
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Annex E (Provost Marshal) to Operation Order 5

Map: NEVADA, 1:50,000, TIPPIPAH SPRING, CANE SPRINGS, SPECTOR RANGE, PAPOOSE LAKE, FRENCHMAN LAKE, and MERCURY Sheets.

1. SITUATION.--Omitted.

2. MISSION.--Provost Marshal supports movement of staff and observer group to observer area and return.

3. EXECUTION.

a. 293d MP Company provides eight TCPs and one parking area detail for movement of staff and observer group to observer area, for movement of vehicles from observer area to parking area, for movement of vehicles from parking area to observer display area, and for movement from display area to CAMP DESERT ROCK. Observer vehicles will be accorded secondary priority in movement on PIG Road. Annex B, Opn Overlay.

b. TCP No. 1 will direct vehicles to the right on PIG Road from MERCURY Highway.

c. TCP No. 2 will direct vehicles to the right on unnamed road from PIG Road to unloading area in vicinity of observer trenches.

d. TCP No 3 will halt vehicles in vicinity of observer trenches and assist in dismounting observers.

e. TCP No. 4 will infiltrate vehicles back on to PIG Road to TCP No. 5.

f. TCP No. 5 will infiltrate vehicles across unnamed road to TCP No. 6.

g. TCP No. 6 will direct vehicles right on MERCURY Highway toward TCP No. 7.

h. TCP No. 7 will direct vehicles right from MERCURY Highway to vehicle parking area.

i. Parking area detail will assist the serial commander in parking vehicles of the serial.

j. TCP No. 7 will direct vehicles left from parking area on MERCURY Highway for return to observer area after the shot.

k. TCP No. 6 will direct vehicles left on unnamed road from MERCURY Highway to TCP No. 5.

l. TCP No. 5 will infiltrate vehicles across unnamed road to PIG Road and TCP No. 4.

m. TCP No. 4 will direct vehicles left off of PIG Road to Traffic Control Area No. 1 (TCPs No. 1-3).

n. Traffic Control Area No. 1 will assist in loading observers in vicinity of observer area and in movement to display area on improved trail.

o. Traffic Control Area No. 1 will direct vehicles right from improved trail to TCP No. 4 upon return from display area.

p. TCP No. 4 will infiltrate vehicles on to PIG Road to TCP No. 5.

q. TCP No. 5 will direct vehicles left on unnamed road toward TCP No. 8.

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r. TCP No. 8 will direct vehicles left on MERCURY Highway for return to CAMP DESERT ROCK.

s. Coordinating instructions.

(1) TCPs 1 through 7 will remain on post before the shot until the last vehicle has cleared, at which time they will proceed to parking area until termination of shot.

(2) Upon all-clear notification, TCPs 7, 6, 5, and 4 will proceed to designated areas to assist in return of vehicles to observer area.

(3) Upon all-clear notification, TCPs 1, 2, and 3 will man Traffic Control Area No. 1 to assist in loading observers and in movement to display area and return.

(4) After last vehicle has passed TCP No. 7 on return trip, TCP No. 7 will be relieved of assignment and will return to CAMP DESERT ROCK.

(5) After last vehicle has passed TCP No. 6 on return trip, TCP No. 6 will proceed south on MERCURY Highway and will man TCP No. 8 until last vehicle has passed point on return to CAMP DESERT ROCK.

(6) All TCPs will move forward fifteen (15) minutes prior to convoy and will await convoy at AEC check point, vicinity PIG Road and MERCURY Highway. TCPs will be released to proceed to TCP locations approximately ten (10) minutes prior to release of convoy to observer area.

4. ADMINISTRATION AND LOGISTICS

a. Uniform.--Steel helmet, fatigues, and field jacket.

b. Equipment.--Reflectorized sleeves, batons, markers, flares, pistol belts, canteens, first-aid packets, etc.

5. COMMAND AND SIGNAL

a. Guard net AAG 700 will be used to control movement to observer area and return.

b. Radio-equipped 1/4-ton trucks will be stationed at each TCP and will remain in communications until ordered to leave net, or until fifteen (15) minutes before shot time.

c. All radios will be turned off and all engines stopped fifteen (15) minutes before shot time and will remain out of service until five (5) minutes after shot.

d. All participating military policemen will synchronize watches prior to movement to site.

e. TCPs will remain on post until final vehicle has passed point on movements to observer area, to parking area, and return.

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Desert Rock VII
CAMP DESERT ROCK (872536), NEVADA
111000 June 1957

Annex F (Signal) to Operation Order 5

Map: NEVADA, 1:50,000, TIPPIAH SPRING, CAME SPRINGS, SPECTOR RANGE, PAPOOSE LAKE, FRENCHMAN LAKE, and MERCURY Sheets.

1. PURPOSE.--To provide continuous communications before, during, and after the detonation of shot PRISCILLA on D-day at H-hour.

2. MISSION.--The 232d Signal Company and attached signal teams will provide all Desert Rock communication services in coordination with DOD signal personnel at CAMP MERCURY, NEVADA. Photo dosimetry services will be provided by the Photo Dosimetry Team from Lexington Signal Depot, LEXINGTON, KENTUCKY.

3. EXECUTION.

a. Radio communications.

(1) Radio silence from H-15 minutes to H+5 minutes.

(2) Radio call signs and frequencies.

(a) Avalanche net.--Observer area--Avalanche, AN/GRC-19; Control Point 1--Avalanche Alfa, AN/GRC-26; CAMP DESERT ROCK--Avalanche Bravo, AN/GRC-26; Project 50.8--Avalanche Charlie, AN/GRC-19; vehicle parking area--Avalanche Delta, AN/GRC-9. Frequency is 3285 KC AM. NCS is station at observer area. Appendix 1, Avalanche Net.

(b) Hilltop Net.--CP-1--Hilltop 61, Motorola-Type Handy-Talkie; Project 50.3--Hilltop 81, Motorola-Type Handy-Talkie; observer area--Hilltop _____, AN/VRC-19. NCS is station at CP-1. Call sign for station at the observer area will be assigned later. Appendix 2, Hilltop Net.

b. Wire communications.

(1) Forward--Appendix 3, Wire Circuits Forward.

(a) Line 1.--One wire circuit from Room 223, CP 1, to observer area (coordinates 930696) to be terminated on field telephones (TA 43's) at each end.

(b) Line 2.--One wire circuit from CP 1, picked up at NEWS NOB terminals, to connect into public-address system, observer area, to monitor "COUNT DOWN" and R-hour announcements.

(c) Line 3.--One wire circuit from radio site at CP 1 to radio site at observer area to be used to get Avalanche Net on the air and to serve as a back-up for Line 1.

(d) Line 4.--One wire circuit to serve as a spare back-up for all.

(e) Line 5.--One short wire circuit from Room 223, CP 1, to radio van just outside CP 1 to provide communications into Avalanche Net.

(2) Rear.--Observer area, Project 50.3, Project 50.8, Decontamination Station, and vehicle parking area will be connected by wire direct to Desert Rock advance switchboard. Appendix 4, Wire Circuits Rear.

c. Pictorial coverage.

(1) 2d Signal Platoon (Photographic) Team will document pictorially pre-shot, during-shot, and post-shot activities and equipment in the equipment-display area on the following schedule:



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Camera Location

<u>Day</u>	<u>Type Coverage</u>	<u>Subject</u>	<u>Camera Location</u>
D-7	Still and motion picture (B&W; Color)	Movement to display area	Display area
D-3	Still (Aerial; B&W; Color)	Display area	Airborne
D-3	Still (B&W; Color)	Individual equip	Display area
D-1	Still and motion picture (B&W; Color)	Observers in display area	Display area
D-day	Still and motion picture (B&W; Color)	Detonation of device and effects on equip	Radar Site No. 4 Project 50.8
D-day	Still and motion picture (B&W; Color)	Effects of detonation	Trench area
D/1*	Still and motion picture (Aerial B&W)	Display area	Airborne
D/1*	Still and motion picture (B&W; Color)	Equip in display area	Display area

*D/1 day or as soon after detonation as practical.

(2) During shot time Team A will be located in the trench area and Team B at Radar Site No. 4, Project 50.8.

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Appendixes: 1--Avalanche Net
2--Hilltop Net
3--Wire Circuits Forward
4--Wire Circuits Rear

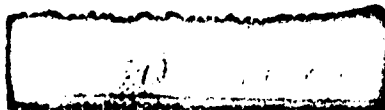
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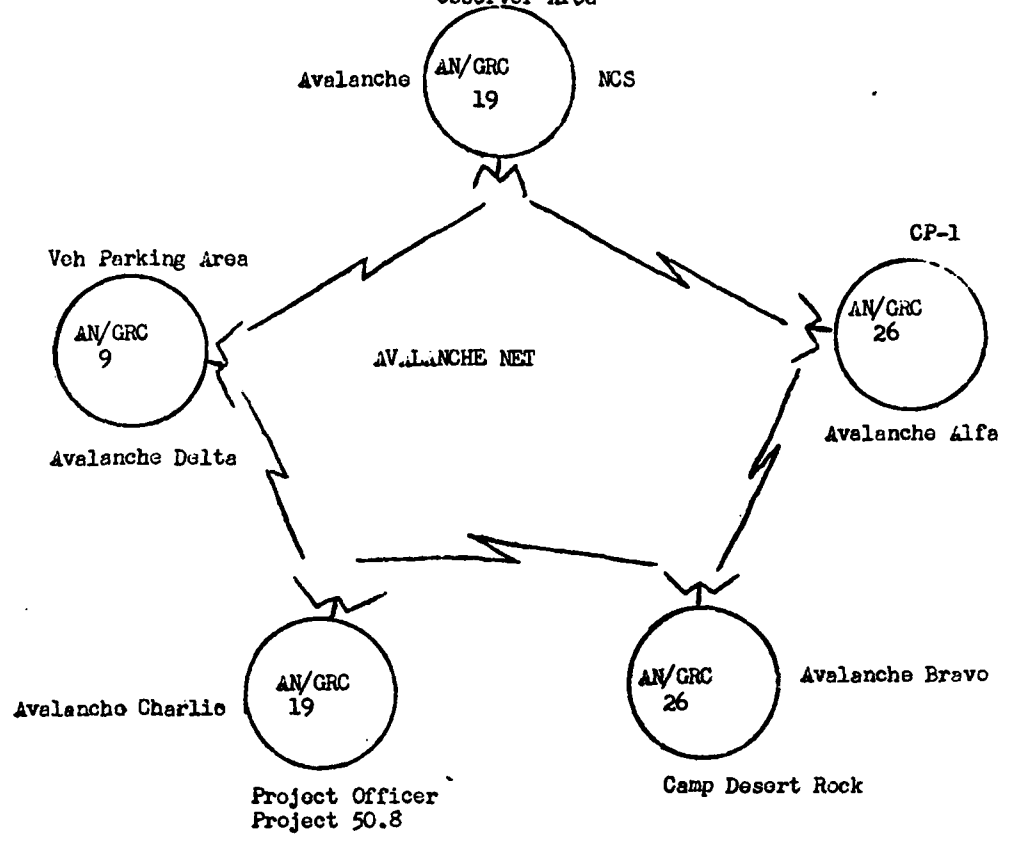


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Desert Rock VII
DEERT ROCK (872536), NEVADA
June 1957

Appendix 1 (Avalanche Net) to Annex F (Signal) to Opn 0 5

Map: NEVADA, 1:50,000, TIPPIPAH SPRING, CANE SPRINGS, SPECTOR RANGE, PAPOOSE LAKE, FRENCHMAN LAKE, and MERCURY Sheets.
Observer Area



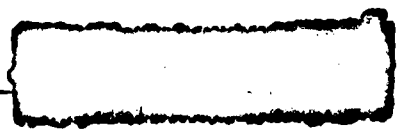
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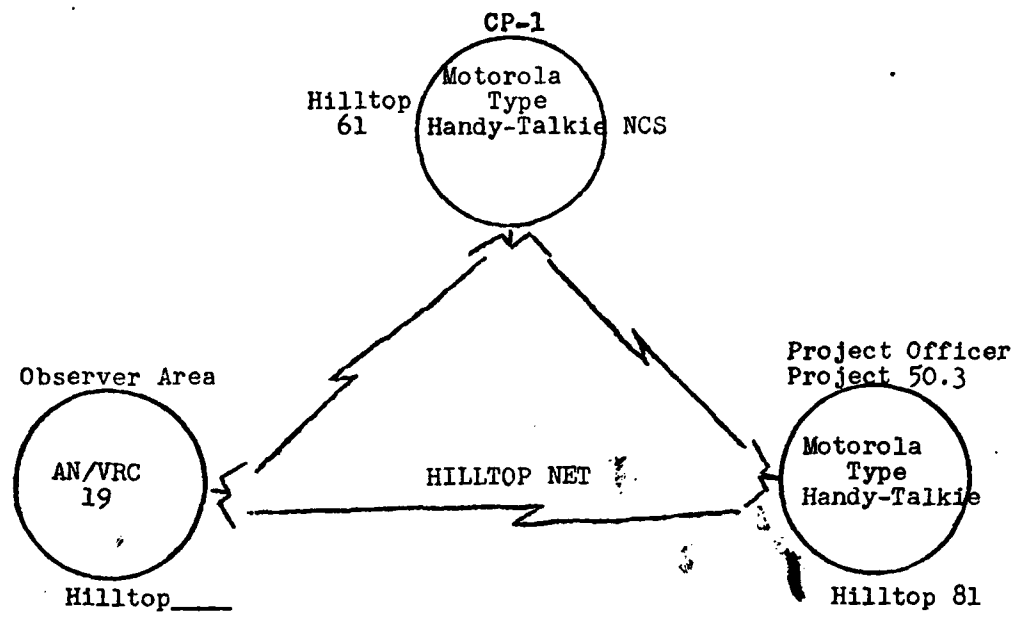


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Desert Rock VII
CAMP DESERT ROCK (872536), NEVADA
111000 June 1957

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Appendix 2 (Hilltop Net) to Annex F (Signal) to Opn 0 5
Map: NEVADA, 1:50,000, TIPPIPAH SPRING, CANE SPRINGS, SPECTOR RANGE,
PAPOOSE LAKE, FRENCHMAN LAKE, and MERCURY Sheets.

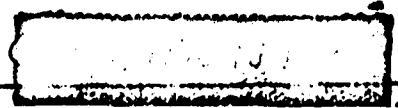


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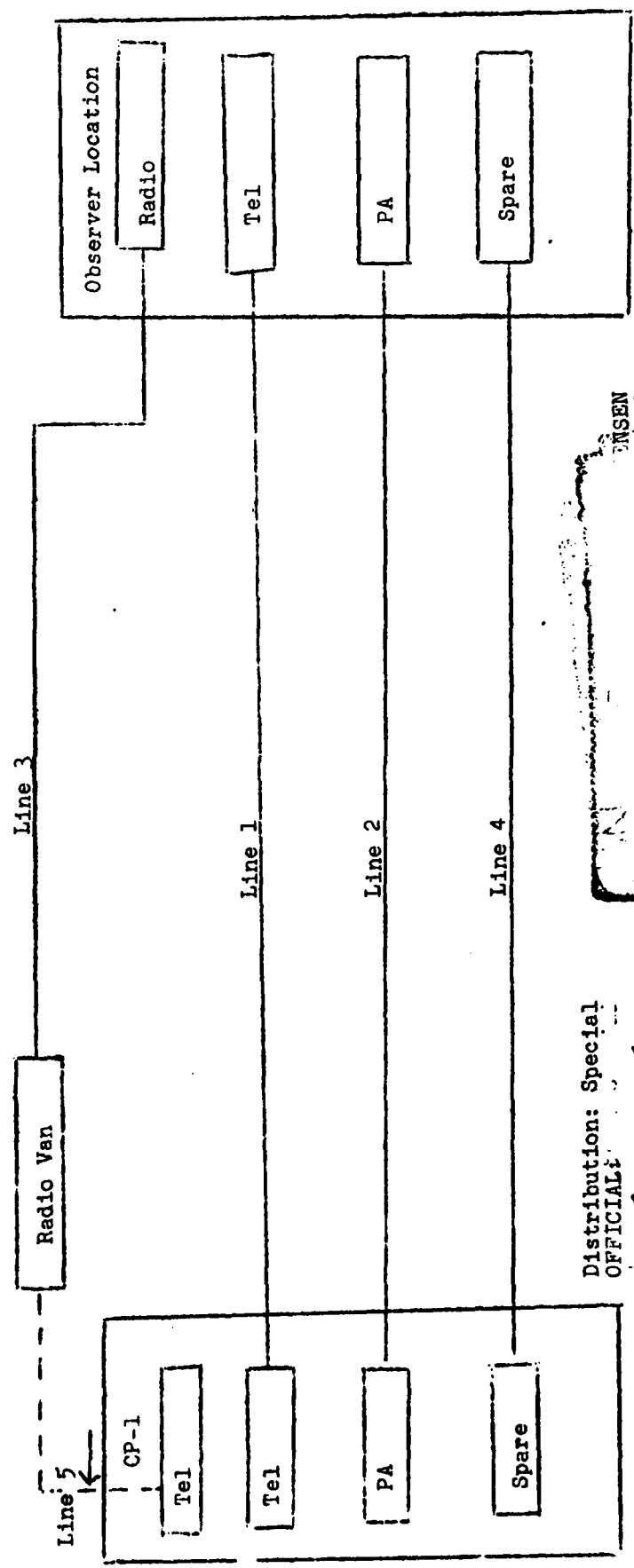


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CAMP DESERT ROCK (872536), NEVADA
111000 June 57

Appendix 3 (Wire Circuits Forward) to Annex F (Signal) to Opn O 5
Map: NEVADA, 1:50,000, TIPPICAH SPRING, CAME SPRINGS, SPECTOR RANGE, PAPOOSE LAKE, FRENCHMAN LAKE, and MERCURY SHEETS.



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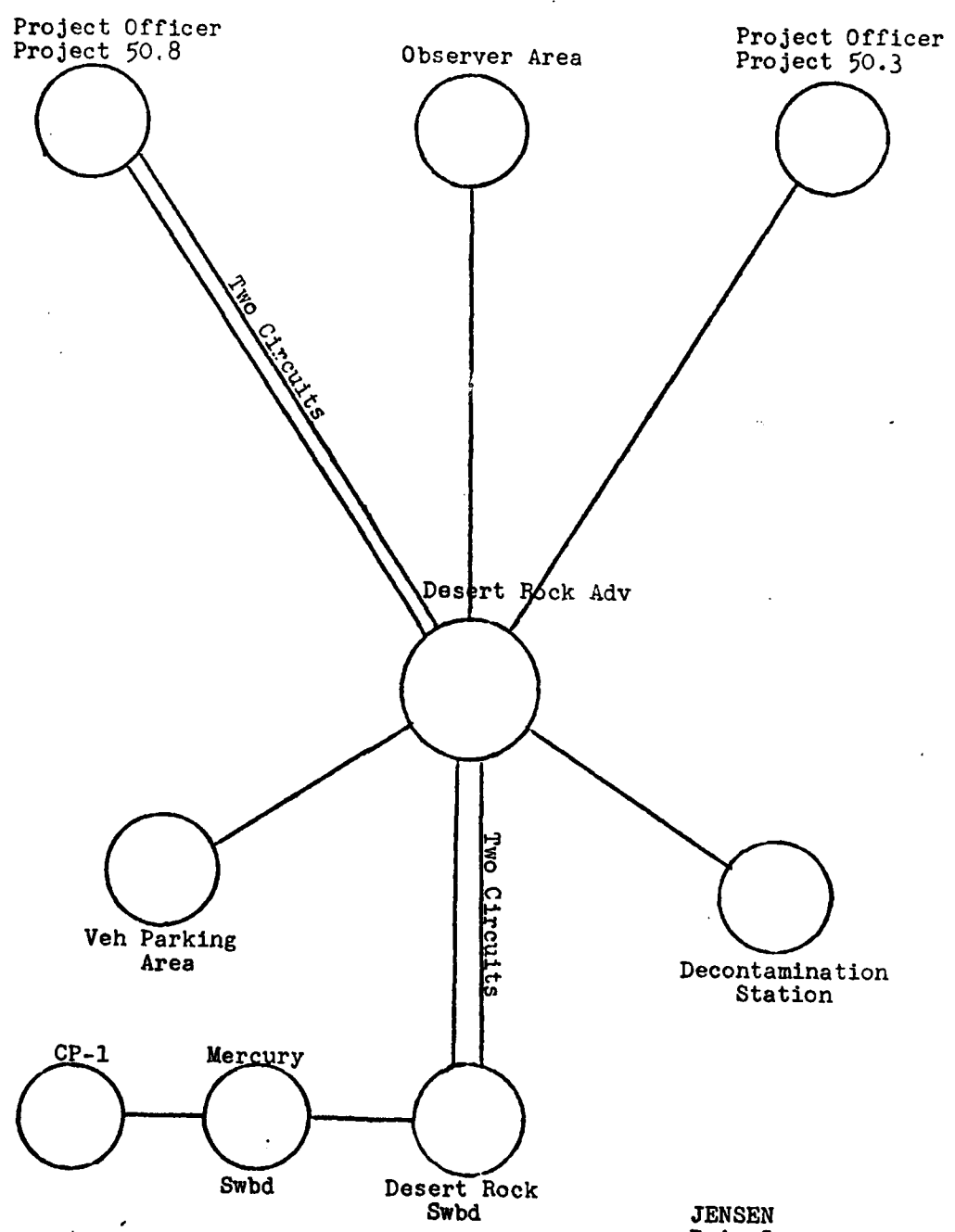
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Desert Rock VII
ROCK (872536), NEVADA
111000 June 1957

Appendix 4 (Wire Circuits Rear) to Annex F (Signal) to Opn O 5
Map: NEVADA, 1:50,000, TIPPIPAH SPRING, CANE SPRINGS, SPECTOR RANGE,
PAPOOSE LAKE, FRENCHMAN LAKE, and MERCURY Sheets.



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Hq, Exercise Desert Rock VII
CAMP DESERT ROCK (872536), NEVADA
111000 June 1957

Annex G (Transportation) to Operation Order 5

Map: NEVADA, 1:50,000, TIPPIPAH SPRING, CANE SPRINGS, SPECTOR RANGE, PAPOOSE LAKE, FRENCHMAN LAKE, and MERCURY Sheets.

1. ORGANIZATION.--Motor vehicle convoy will be organized into four (4) march units under the command of the Motor Officer, CAMP DESERT ROCK. Appendix 1, Convoy Organization.

2. MISSION.--To transport designated personnel from CAMP DESERT ROCK to the forward trench area in the NEVADA TEST SITE and return by motor vehicle.

3. EXECUTION.

a. Movement will be in accordance with schedule listed in Appendix 2, March Table. Movement of vehicles to the entrucking area for return movement will be as directed by the Control Group Commander.

b. Vehicle parking area will be as indicated in Annex B, Opn Overlay.

c. On D-1 day and D-day, march units will be in place for loading in front of Post Headquarters by 1300 and 0130 hours respectively.

d. Coordinating instructions.

(1) March unit commanders will secure approval from the S-3, Exercise Desert Rock VII, or his representative prior to movement to the forward area.

(2) Provost Marshal will provide the necessary route marking and traffic control.

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Appendixes: 1--Convoy Organization
2--March Table

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CAMP SHERIDAN ROCK (872996), NEVADA
VII

Appendix 1 (Convoy Organization) to Annex G (Transportation) to Opn O 5

Map: NEVADA, 1:50,000, TIPPICAH SPRING, CANE SPRINGS, SPECTOR RANGE, PAPOOSE LAKE, FRENCHMAN LAKE, and MERCURY Sheets.

Vehicle Roster (PRISCILLA)

1st March Unit

- | | |
|----------------------------|----------------------------|
| A-1 - Sedan (Serial Comdr) | A-7 - 37-Pass Bus |
| A-2 - 37-Pass Bus | A-8 - 37-Pass Bus |
| A-3 - 37-Pass Bus | A-9 - 37-Pass Bus |
| A-4 - 37-Pass Bus | A-10 - 29-Pass Bus (Empty) |
| A-5 - 37-Pass Bus | A-11 - Ambulance |
| A-6 - 37-Pass Bus | A-12 - Wrecker |

2nd March Unit

- | | |
|-------------------|----------------------------|
| B-1 - Sedan | B-7 - 37-Pass Bus |
| B-2 - 37-Pass Bus | B-8 - 29-Pass Bus |
| B-3 - 37-Pass Bus | B-9 - 29-Pass Bus |
| B-4 - 37-Pass Bus | B-10 - 29-Pass Bus (Empty) |
| B-5 - 37-Pass Bus | B-11 - Ambulance |
| B-6 - 37 Pass Bus | B-12 - Wrecker |

3d March Unit

- | | |
|-------------------|----------------------------|
| C-1 - Sedan | C-7 - 29-Pass Bus |
| C-2 - 29-Pass Bus | C-8 - 29-Pass Bus |
| C-3 - 29-Pass Bus | C-9 - 29-Pass Bus |
| C-4 - 29-Pass Bus | C-10 - 29-Pass Bus (Empty) |
| C-5 - 29-Pass Bus | C-11 - Ambulance |
| C-6 - 29-Pass Bus | C-12 - Wrecker |

4th March Unit

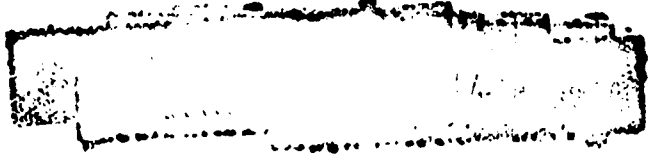
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|-----------------|------------------------------|
| D-1 - Sedan | D-8 - VIP Sedan |
| D-2 - VIP Sedan | D-9 - VIP Sedan |
| D-3 - VIP Sedan | D-10 - VIP Sedan |
| D-4 - VIP Sedan | D-11 - VIP Sedan |
| D-5 - VIP Sedan | D-12 - 29-Pass Bus |
| D-6 - VIP Sedan | D-13 - 29-Pass Bus |
| D-7 - VIP Sedan | D-14 - 29-Pass Bus |
| | D-15 - 29-Pass Bus (Empty) |
| | D-16 - Ambulance |
| | D-17 - Wrecker |
| | D-18 - Sedan (Trail Officer) |

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Exercise Desert Rock VII
 CAMP DESERT ROCK (872536), NEVADA
 111000 June 1957

Appendix 2 (March Table) to Annex G (Transportation) to Opn O 5

Map: NEVADA, 1:50,000, TIPPICAH SPRING, CANE SPRINGS, SPECTOR RANGE, PAPOOSE LAKE, FRENCHMAN LAKE, and MERCURY Sheets.

MARCH TABLE (PRISCILLA)

1st March Unit

Comdr	Rate of March	Type of Column	Time Length	Critical Points	ETA	Latest Clearance
Capt Sackett	25MPH	Closed	3	(IP) MP Gate	0231	0234
	25MPH	Closed	3	Mer Ck Pt 1	0238	0241
	25MPH	Closed	3	Mer Ck Pt 2	0243	0246
	25MPH	Open	3	Pig Road	0248	0251
	25MPH	Open	3	Arr Trench Area	0302	0305
	25MPH	Open	3	Lv Trench Area	0307	0310
	25MPH	Open	3	Rd Junction	0312	0315
	35MPH	Open	3	Parking Area	0325	0328

2d March Unit

Comdr	Rate of March	Type of Column	Time Length	Critical Points	ETA	Latest Clearance
Lt Waddick	25MPH	Closed	3	(IP) MP Gate	0244	0247
	25MPH	Closed	3	Mer Ck Pt 1	0251	0254
	25MPH	Closed	3	Mer Ck Pt 2	0256	0259
	25MPH	Open	3	Pig Road	0301	0304
	25MPH	Open	3	Arr Trench Area	0315	0318
	25MPH	Open	3	Lv Trench Area	0320	0323
	25MPH	Open	3	Rd Junction	0325	0328
	35MPH	Open	3	Parking Area	0338	0341

3rd March Unit

Comdr	Rate of March	Type of Column	Time Length	Critical Points	ETA	Latest Clearance
Capt Aquino	25MPH	Closed	3	(IP) MP Gate	0257	0300
	25MPH	Closed	3	Mer Ck Pt 1	0304	0307
	25MPH	Closed	3	Mer Ck Pt 2	0309	0312
	25MPH	Open	3	Pig Road	0314	0317
	25MPH	Open	3	Arr Trench Area	0328	0331
	25MPH	Open	3	Lv Trench Area	0333	0336
	25MPH	Open	3	Rd Junction	0338	0341
	35MPH	Open	3	Parking Area	0351	0354

4th March Unit

Comdr	Rate of March	Type of Column	Time Length	Critical Points	ETA	Latest Clearance
Capt La Cap	25MPH	Closed	3	(IP) MP Gate	0310	0313
	25MPH	Closed	3	Mer Ck Pt 1	0317	0320
	25MPH	Closed	3	Mer Ck Pt 2	0322	0325
	25MPH	Open	3	Pig Road	0327	0330
	25MPH	Open	3	Arr Trench Area	0341	0344
	25MPH	Open	3	Lv Trench Area	0346	0349
	25MPH	Open	3	Rd Junction	0351	0354
	35MPH	Open	3	Parking Area	0404	0407

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Appendix 2 (March To [redacted] in) to Cpn. O. S. [redacted] d.

NOTE: Vehicles will move faster than indicated above when conditions permit. Rate of march of 55 MPH in open column is desirable. Above timing is maximum required for the movement.

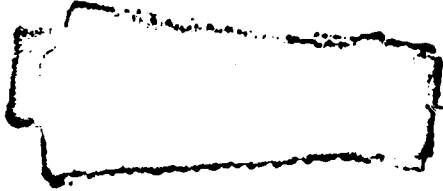
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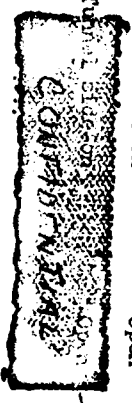
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 Hq, Exercise Desert Rock VII
 CAMP DESERT ROCK (872536), NEVADA
 11000 June 1957

Annex H (Field Fortifications) to Operation Order 5

Map: NEVADA, 1:50,000, TIPPINAH SPRING, CANE SPRINGS, SPECTOR RANGE, PAPOOSE LAKE, FRENCHMAN LAKE and MERCURY Sheets.

1. SUMMARY OF FIELD FORTIFICATIONS TESTED.

Fortification Designation	Fortification	Orientation to GZ	Amount of Entrance Opening Covered	Distance from GZ (ft)
A1	7'x7' MG emplacement	Rear-on	Open	1430
A2	7'x7' MG emplacement	Rear-on	Open	1720
A3	7'x7' MG emplacement	Side port to GZ	Open	1720
A4	7'x7' MG emplacement	Rear-on	Open	2280
A5	7'x7' MG emplacement	Side port to GZ	Open	2280
B1	Two-man foxhole	End-on	Open	2280
B2	Two-man foxhole	End-on	Open	2280
B3	Two-man foxhole	End-on	Open	2280
B4	Two-man foxhole	End-on	Open	2280
B5	Two-man foxhole	End-on	Open	2280
B6	Two-man foxhole	End-on	Open	2280
B7	Two-man foxhole	End-on	Open	2280
B8	Two-man foxhole	End-on	Open	2280
B9	Two-man foxhole	End-on	Open	2280
B10	Two-man foxhole	End-on	Open	2280
C1	Modified two-man foxhole	Side-on	Open	3900
C2	Modified two-man foxhole	Side-on	Open	3900
D1	Off-set foxhole, open, tunnel not reverted	Side-on	Open	3900
D2	Off-set, foxhole, open, tunnel, reverted, with oil drums	Side-on	Open	3900
D3	Off-set, foxhole, open, tunnel, reverted with oil drums	Side-on	Open	3900

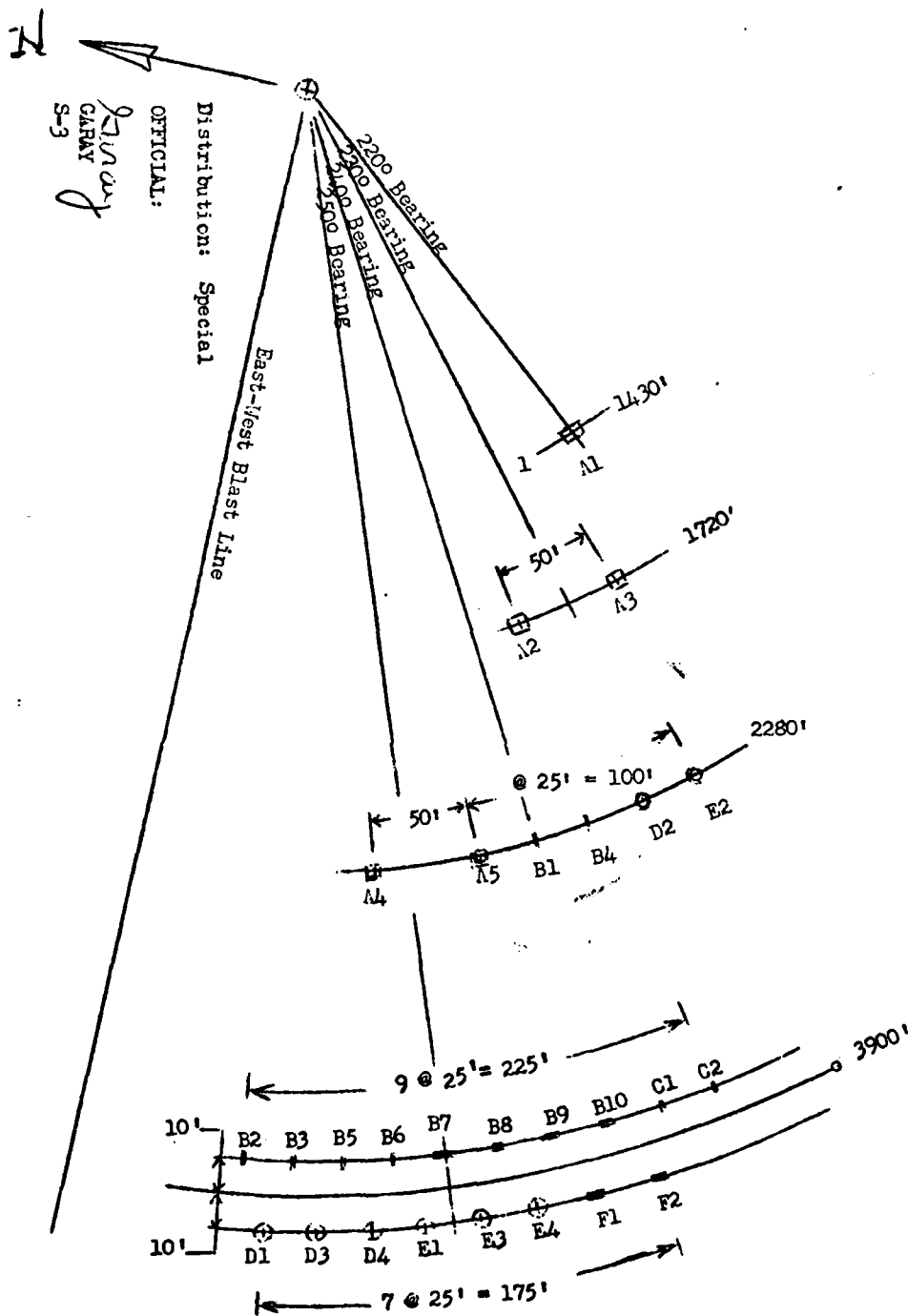


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 24 Jun 57

Annex H (Field Fortifications) to Operations Order 5, Cont'd.

Fortification Designation	Fortification	Orientation to GZ	Amount of Entrance Opening Covered	Distance from GZ (ft)
D4	Off-set, foxhole, open, tunnel revetted with sticks	Tunnel rearward	Open	3900
E1	Off-set foxhole, covered, tunnel not revetted	Tunnel forward	Open	3900
E2	> Off-set foxhole, covered, tunnel revetted with oil drums	Tunnel side-on	Open	2280
E3	> Off-set foxhole, covered, tunnel revetted with oil drums	Tunnel side-on	Open	3900
E4	Off-set foxhole, covered, tunnel revetted with sticks	Tunnel rearward	Open	3900
F1	6'x8' Hasty Shelter	Side-on	Open	3900
F2	6'x8' Hasty Shelter	Side-on	Covered	3900

2. LOCATIONS OF FIELD FORTIFICATIONS LISTED.



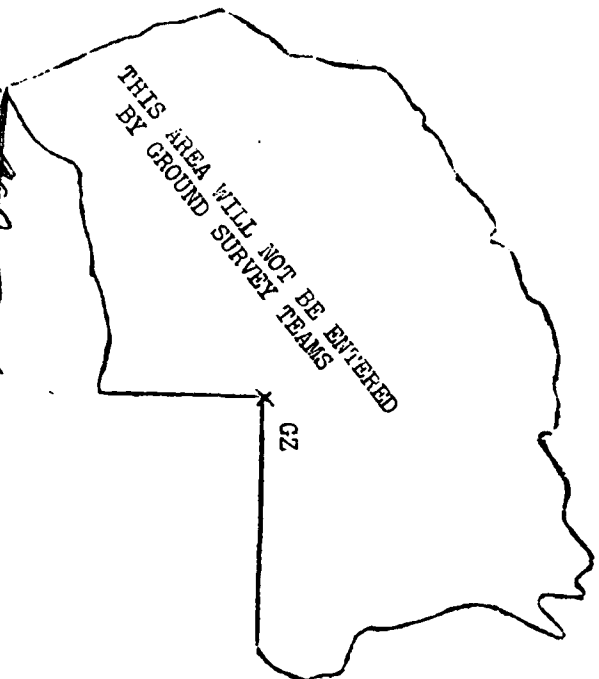
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Annex J (Rad Survey, Project 50.8) to Operation Order 5
Map: NEVADA, 1:50,000, FRENCHMAN LAKE SHEET.

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CAMP DESERT ROCK (872536), NEVADA
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AREAS OF FRENCHMAN FLAT THAT WILL BE SURVEYED

Air surveys: All of the fallout area altitude of aircraft 200-100' absolute Maximum dose rate to be surveyed will be 100 r/hr outside the aircraft

Ground surveys: All of the fallout area outside Frenchman lake and the southeast quadrant of the lake.

Maximum Dose rate
5 r/hr

Time of entry for all surveys: H₄30 Min.

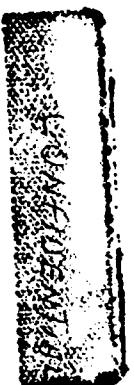
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CAMP DESERT ROCK (872536), NEVADA
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Annex I (Project 50.8 Locations) to Opn 0 5

Maps: NEVADA, 1:50,000, TIPPICAH SPRING, CANE SPRINGS, SPECTOR RANGE, PAPOOSE LAKE, FRENCHMAN LAKE, and MERCURY
Sheets; NEVADA, 1:250,000, BEATTY and LAS VEGAS, Sheets.

Site	Coordinates	Area (Sq Yds)	No. of Pers	Communications Net Call Word Freq(MC) Type Mod Equip	Hrs Opn
A-1	NM749052	500	15	HANNIBAL-----1 4.96 AM 1-M-33 Track Radar #1 1-M-33 Acqsn Radar #1	H-4 H/6 H-4 H/6
A-2	NL700998	10,000	14	WOLLOW-----1 30.2 FM 1-AN/GMD-1A Rad Direct Finder	H-6 H/6
A-3	NL835851	250	11	ELDORADO-----2 30.6 FM 1-AN/TV S-1 Camera 1-BC Scope, M65	H-1 H/1 H/1 Min to H/1
A-4	NL758794	600	30	EMPRESS-----13 35.8 EMPRESS-----14 35.8 FM 1-AN/MPQ-21 Rdr C Band 1-AN/MPQ-21 Rdr S Band	H-1 H/2 H-1 H/2
A-5	NL848779	250	18	EMPRESS-----11 35.8 FM 2-AN/MPQ-10 Radar	H-1 H/2
A-6	NL875740	160,000	20 (at H-Hr) 32 (from H/1 to H/98)	YARDARM-----1 37.2 FM NONE	H-3 H/48
A-6A Alt Postn	NL904803	160,000	20 (at H-Hr) 32 (from H/1 to H/98)	YARDARM-----1 37.2 FM NONE	H-3 H/48



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Annex I (Project 50.8 Locations) to Opn 0 5,

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Site	Coordinates.	Area (Sq Yds)	No. of Pers	Net Call Word	Communications Freq(MC)	Type Mod	Equip	Hrs Opn
A-7	NL862705	250	12	EL DORADO	1 30.6	FM	1-AN/TVS-1 Camera 1-AN/ASH-4 IR Detector 1-BC Scope, M65	H-1 H41 H-1 H41 H-1 H41
A-8	NL922632	20,000	50	HANNIBAL	2 4.96	AM	1-M-33 Track Radar #2 1-M-33 Acqn Radar #2 1-Nike-Ajax Trk Radar 1-Nike-Ajax Acq Radar 1-Nike-Ajax Missile Tracking Radar	H-4 H46 H-4 H46 H-4 H46 H-4 H46 H-4 H46
A-9	PL025620	10,000	14	WOLLOW	3 30.2	FM	3-IPF Sets 1-AN/TPS-ID Radar #1	H-4 H46 H-4 H46
A-10	Nellis AFB	500	8	HANNIBAL	4 4.96	AM	1-AN/TPS-ID Radar #2 1-IPF Set	H-4 H46 H-4 H46
A-11	*NL715409	100	10	EMPRESS	21 35.8	FM	1-GR-8 Sound Ranging Set	H-2 H41
A-12	*NL625445	500	30	EMPRESS	22 35.8	FM	3-GR-8 Sound Ranging Set	H-2 H41
A-13	*NL535491	100	10	EMPRESS	23 35.8	FM	1-GR-8 Sound Ranging Set	H-2 H41
A-14	*PL279202	25	3	EMPRESS	24 29.8	FM	1-AN/GAS-1 IR Detector 1-AN/ASH-4 IR Detector	H-1 H41
A-15	*NL825460	100	2	EMPRESS	3 35.8	FM	NONE	H-2 H41

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Annex I (Project 50.8 Locations) to Opn 0 5, Cont'

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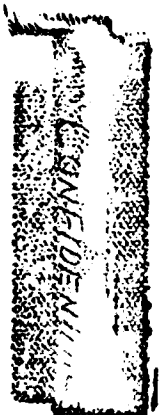
Site	Coordinates	Area (Sq Xds)	No. of Pers	Communications		Type Mod	Equip	Hrs Opn
				Net Call Word	Freq(MC)			
A-16	NI823750	10,000	15	EMPRESS-----1	35.8	FM	Field Kitchen, Btry CP	H-23 H/40
A-17	NI885607	10	2	EMPRESS-----3	35.8	FM	1-AN/VRQ-2	H-4 H/24
A-18	NI750784	10,000	14	WOLLOW-----2	30.2	FM	1-AN/GMD-1A Rad Direct Finder	H-6 H/6

*Scale 1:250,000

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Hq, Exercise Desert Rock VII
CAMP DESERT ROCK (872536), NEVADA
111000 June 1957

Annex K (Emergency Evacuation Plan) to Operation Order 5

Map: NEVADA, 1:50,000, TIPPIPAH SPRING, CANE SPRINGS, SPECTOR RANGE, PAPOOSE LAKE, FRENCHMAN LAKE, and MERCURY Sheets.

1. PURPOSE.--To outline the procedure to be followed to accomplish the total evacuation of the NEVADA TEST SITE in case of emergency.
2. EXECUTION.--Personnel will be prepared to execute a total evacuation of the forward area at any time on D-day.
 - a. Evacuation will be by march unit to the south in the following order:
 - (1) AEC forward check point (coordinates 915618).
 - (2) Check Gate Nr 2, Camp Mercury (coordinates 914605).
 - (3) Camp Desert Rock motor pool (coordinates 872537).
 - b. March unit commanders will be responsible for the movement of their vehicles during the evacuation and for maintaining the proper march discipline. Order to entruck and move out will be given by the Control Group Commander.
 - c. Vehicle escort officers will be responsible for the orderly loading and movement of their groups on order of the march unit commander.
 - d. Following procedure will be observed in the observer area:
 - (1) Provost Marshal will report for orders to the Control Group Commander.
 - (2) Observer personnel will assemble on order and entruck in vehicles under the supervision of the vehicle escort officer.
 - (3) Control Group will assemble directly behind the control area and entruck on order of the Control Group Commander.
 - (4) Vehicles will be dispatched from the parking area by the serial commander in march unit order to the entrucking area on order of the Control Group Commander.
 - (5) Control Group will evacuate the test area on order of the Deputy Exercise Director or his representative when it is assured that all other Desert Rock troops have been evacuated.
 - e. Coordinating instructions.
 - (1) Maximum vehicle speed will be 55 MPH.
 - (2) March units will remain intact during all movements.
 - (3) MP vehicles and ambulances will have road priority during evacuation.
 - (4) Necessary decontamination will be effected as soon as possible upon reaching the designated place of safety.

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(5) Code designation to implement this plan is **CONDITION THUNDER**.

(6) **CONDITION THUNDER** will be transmitted by the most readily available means and will be authenticated by the Post Rad-Safe Officer.

(7) **CONDITION THUNDER** will be announced in the observer area by seven short siren blasts with 30-second intervals between groups. All means of communications will be used to reach all Desert Rock personnel.

(8) Windows in vehicles will be closed when practical.

(9) Individuals will refrain from eating or smoking during the evacuation.

3. MEDICAL EVACUATION.

a. Aid station will treat casualties, if any, to the limit of its capability. When observer area is evacuated, aid station will move with the Control Group.

b. Ambulances will evacuate casualties to the Hospital Unit at **CAMP DESERT ROCK**. Ambulances will have road priority.

c. Route of evacuation for casualties will be the most direct route available.

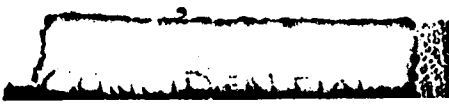
4. COMMAND.--Forward CP, Exercise Desert Rock VII, will control the evacuation from such location as affords the best control, but will not evacuate the forward area until all Desert Rock groups are accounted for. New CP location will be announced prior to movement in each case.

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155 Desert Rock VII
CAMP DESERT ROCK (872536), NEVADA
111000 June 1957

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Annex L (Sequence of Events) to Operation Order 5

Map: NEVADA, 1:50,000, TIPPIPAH SPRING, CANE SPRINGS, SPECTOR RANGE, PAPOOSE LAKE, FRENCHMAN LAKE, and MERCURY Sheets. 24 JUN 57

1. GENERAL.--PRISCILLA will be fired on a 700-foot balloon in the FRENCHMAN LAKE area. The scheduled ready date is 23 June 1957. Tentative time for firing is 0630 hours.

2. PERSONNEL SAFETY.

a. By 0001 hours on D-day, only personnel with official business concerned with shot PRISCILLA will be in the NEVADA TEST SITE. Personnel moving into the forward area for shot PRISCILLA independent of the convoy movement indicated in Annex G, Transportation, will clear such movement with Post S-3, listing number and names of such personnel, number of vehicles, time vehicles will depart CAMP DESERT ROCK, destination, and reason for entry into the NEVADA TEST SITE.

b. Report will be made by each project officer to the Control Group Commander at the trench area by H-1 hour as to the status of the project and its readiness for the shot.

c. Gate No. 2 (guard gate between CAMP MERCURY and FRENCHMAN FLAT) will be closed to northbound traffic at H-1 hour. Persons driving vehicles north of this point should reach their destinations and cut off motors before H-15 minutes to avoid being blinded by the flash while driving.

3. SCHEDULE OF EVENTS, D-1 DAY.

<u>ITEM No.</u>	<u>Hour</u>	<u>Agency</u>	<u>Event</u>
1	0500	Project 50.8	Project personnel (15) will move to Site A-1.
2	0500	Project 50.8	Project personnel (50) will move to Site A-8.
3	0800	Observers	Briefing for observers (Group A) in Bldg 155.
4	0900	Project 50.8	Project personnel (14) will move to Site A-2.
5	0900	Project 50.8	Project personnel (11) will move to Site A-3.
6.	0900	Project 50.8	Project personnel (30) will move to Site A-4.
7	0900	Project 50.8	Project personnel (18) will move to Site A-5.
8	0900	Project 50.8	Project personnel (12) will move to Site A-7.
9	0900	Project 50.8	Project personnel (10) will move to Site A-11.
10	0900	Project 50.8	Project personnel (30) will move to Site A-12.
11	0900	Project 50.8	Project personnel (10) will move to Site A-13.
12	0900	Project 50.8	Project personnel (3) will move to Site A-14.
13	0900	Project 50.8	Project personnel (2) will move to Site A-15.
14	0900	Project 50.8	Project personnel (15) will move to Site A-16.
15	0900	Project 50.4	Project personnel will start removing water pan covers and prepare pans for action
16	1000	Observers	Briefing for observers (Group B) in Bldg 155.

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L (Sequence Event)

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Item No.	Hour	Agency	Event
17	1200	VIPs	Briefing in VIP Briefing Room.
18	1300	Trans Officer	Spot vehicles for observer dry run to NTS.
19	1300	Project 50.8	Project personnel (20) will move to Site A-6 or A-6A.
20	1300	Observers	Start loading vehicles for dry run into NTS.
21	1600	Test Manager	Weather briefing in Bldg 101, CAMP MERCURY.
22	1900	All	CAMP MERCURY checkpoint (intersection of MERCURY HWY and PIG ROAD) closed to north bound traffic.
23	2300	Test Manager	Weather briefing in Bldg 101, CAMP MERCURY.
24	2400	All	NTS to be evacuated of all not connected with shot PRISCILLA.

4. SCHEDULE OF EVENTS, D-DAY.

Item No.	Hour	Agency	Event
1	0130	Trans Officer	Spot vehicles for movement of boservers to trench area.
2	0200	Observers	Start loading observers for movement to trench area.
3	0231	Observers	First march unit crosses IP (MP gate).
4	0300	Project 50.3	Project personnel will depart CAMP DESERT ROCK for the forward area.
5	0344	Observers	Last march unit clears into trench area.
6	0407	Observers Vehicles	Last march unit clears into the parking area.
7	H-2 hours	Test Manager	Final weather briefing in the forward area in Bldg CP-1.
8	H-1 hour	All	Desert Rock CP opens in the trench area; all projects report status and readiness for shot.
9	H-1 hour	Security	Gate 2 (check station 2 miles N of Mercury) will be closed to all northbound traffic until after the shot.
10	H-30 min	Project 50.8	E-26 aircraft will be airborne and fly a racetrack course 15 miles N of GZ.
11	H-30 min	Observers	Loudspeaker announcement to load trenches.
12	H-15 min	All	Turn off all engines and stop all radio transmissions until H+5 min.
13	H-15 min	Control Gp Comdr	Report readiness to CG or his representative at CP-1.
14	H-5 min	Observers	Personnel not in trenches face 180° away from GZ and close and cover eyes.
15	H-1 min	Observers	Crouch in trench and close and cover eyes. Personnel using goggles put them on.

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Annex L (Sequence c

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<u>Item No.</u>	<u>Hour</u>	<u>Agency</u>	<u>Event</u>
16	H-hour	All	Zero time for detonation.
17	H+10 min	Rad Safe Pers	Move into position to monitor the equipment-display area.
18	H+30 min	Project 50.8	Rad-safe personnel start air and ground rad survey.
19	R-hour	Observers	Move observers to the equipment-display area and then return to base camp.
20	R-hour	Project 50.6	Start evaluation of results after R-hour.
21	R-hour	Project 50.7	Recover inert fuzes and start evaluation of results after R-hour.
22	1200 hours	Project 50.4	start collecting samples of fallout from pans.

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Hq, Expt 3 Desert Rock VII
CAMP DESERT ROCK (872536), NEVADA
111000 June 1957

Annex M (Distribution List) to Operation Order 5

<u>UNITS</u>	<u>COPY NR</u>
CG, US COMARC, Attn: G3	1-4
CG, Sixth US Army, Attn: G3	5-6
CG, Sixth US Army, Attn: PIO	7
Comdr, Fld Comd, AFSWP, Mercury	8-13
CG, Camp Irwin, Attn: G3	14-16
Executive Officer, Camp Desert Rock	17
S-1, Camp Desert Rock	18
S-2, Camp Desert Rock	19
S-3, Camp Desert Rock	20-24
S-4, Camp Desert Rock	25
Hq, Comdt, Camp Desert Rock	26
Sig Off, Camp Desert Rock	27
FM, Camp Desert Rock	28
Chemical Off, Camp Desert Rock	29
Engr, Camp Desert Rock	30
PIO, Camp Desert Rock	31
Chief, Instructor Group Section, Camp Desert Rock	32
CO, 26th TC Bn	33
CO, Hosp Unit, 8th Field Hosp	34
CO, 232d Sig Co	35
CO, 50th Chemical Plat	36
Post Aviation Off	37
Project Off, Project 50.3	38
Project Off, Project 50.4	39
Project Off, Project 50.6	40
Project Off, Project 50.7	41
Project Off, Project 50.8	42
AG File Copy	43

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