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EXERCISE DESERT ROCK LAS VEGAS NV
EXERCISE DESERT ROCK VII AND VIII, OPERATION ORDER NUMBER 4. AR--ETC(U)
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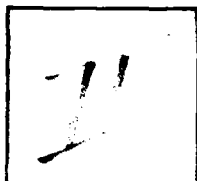
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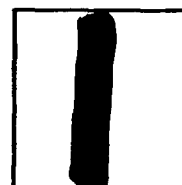
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HQ Exercise DESERT ROCK VII
Camp DESERT ROCK, Las Vegas, Nevada
Operation Order 4
DOCUMENT IDENTIFICATION
May 1957

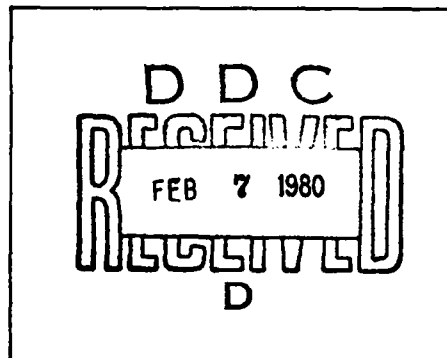
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Exercise
DESERT ROCK 7 & 8, OPERATION ORDER 4

Army. Camp Desert Rock. Nevada

29 May 1957

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Ltr. No. 01-53 354.15
(18 Jan 57)

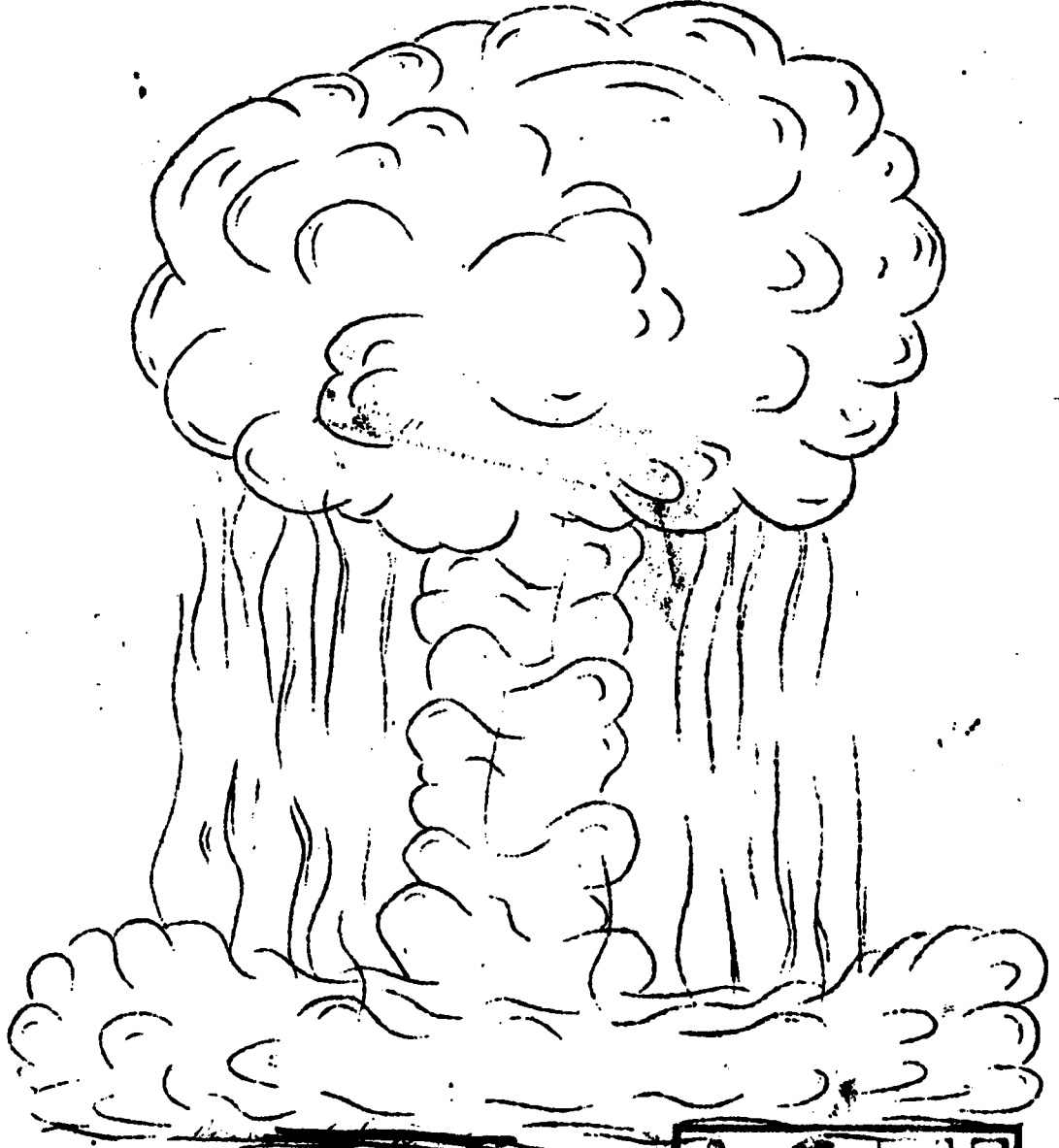
IV

UNCLASSIFIED

OPERATION ORDER

NO. 4

Desert Rock VII & VIII



Ltr. No. 01-53 354.15
18 Jan 57

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Hq, Exercise Desert Rock VII
CAMP DESERT ROCK (872536), NEVADA
291000 May 1957

Operation Order 4

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 (WILSON) at H-hour on D-day which will be observed by approximately 200 observers. After the shot personnel will monitor in the ground-zero area, Engineer and Ordnance field tests will be performed, and Signal and Artillery radar sets will be operated.

2. MISSION.--Hq, Exercise Desert Rock VII, supervises and coordinates Desert Rock Army and Air Force participation in shot WILSON in area B-9a 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. Determine the attenuation of heavy shielded Engineer equipment in a large uniformly contaminated field and evaluate the ability of operators to decontaminate land areas with shielded equipment (Project 50.9)

d. Observe operability of various types of Ordnance equipment under blast, thermal, and radioactivity effects of nuclear explosions (Project 50.7).

e. Determine the organization, equipment, and weather data required by US Army units to predict and monitor radiological fallout (Project 50.8).

f. Conduct monitoring exercises to train passive-defense personnel in radiological defense techniques (Project 53.4).

3. EXECUTION.

a. **Concept of operation.**--Personnel from CAMP DESERT ROCK, Project 50.5, and Project 53.4 will observe Shot WILSON from a safe position in YUCCA FLAT (Annex B, Opn Overlay). Shortly after the shot, Desert Rock rad-safe personnel will monitor and mark the assigned pic sector. Upon announcement of R-hour, personnel from Project 53.4 will move to the pic sector and conduct monitoring exercises. Projects 50.3 and 50.8 will operate radar equipment from approved sites. Project 50.5 will operate one shielded D-8 desor in the assigned pic sector. Project 50.7 will position equipment in approved locations (in cooperation with AFSWP Project 2.4).

b. **50th Chemical Fltg.**--Move rad-safe vehicles (7) with Project 53.4 vehicles (10) and Project 50.5 vehicle (1) to Desert Rock Decontamination Station (coordinates 848888) on D-1 day; provide rad-safety support as required. Annex C, Rad-Safety Plan.

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Operation Order 4, Cont'd

- 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 (HAM) (-).--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 as per par 2b above from approved site in the vicinity of coordinates 893872; only equipment approved during power dry run will be operated; all other equipment will be completely secured.
- j. Project 50.5.--Move D-8 dozer mounted on trailer to Desert Rock Decontamination Station (coordinates 848888) with Desert Rock rad-safe vehicles (7) and Project 53.4 tactical vehicles (10) on D-1 day; move personnel to observer area (coordinates 834033) with other observers (Annex G, Transportation); observe shot; after H-hour and when ordered to do so (H+4 hrs or later) move dozer on trailer along assigned route (Annex B, Opn Overlay) to 50 mr/hr line in assigned pie sector (10°--130°); dismount dozer and drive pre-determined course in assigned pie sector (no closer than 100 ft to GZ); leave dozer in pie sector on D-day; on D+1 day clear a roadway 30 ft by 100 ft in a field reading about 500 mr/hr within assigned pie sector; leave dozer in pie sector on D+1 day; on D+2 days clear an area 100 ft by 100 ft in a field reading about 500 mr/hr within assigned pie sector; leave dozer in pie sector on D+2 days; on D+3 days enter a field reading about 1000 mr/hr within assigned pie sector to check shielding factor; leave dozer in pie sector on D+3 days; on D+4 days remove dozer from pie sector, mount on trailer, pass through Desert Rock Decontamination Station for decontamination, and return to Motor Pool, CAMP DESERT ROCK.
- k. Project 50.7.--Emplace Ordnance equipment and construct foxholes as follows and conduct test in conjunction with AFMFP Project 2.4 to determine operability after exposure to atomic effects: three tanks, two Ontos vehicles, four hemispheres, and six foxholes 1800 ft from GZ on an azimuth of 163° 43' prior to LASSEN minus 1 day; one Ontos vehicle 1700 ft and one Ontos vehicle 1250 ft from GZ on an azimuth of 150° on WILSON minus 3 days (Desert Rock will emplace and remove all rolling stock using trailers on roads and will construct foxholes as desired).
- l. Project 50.8.--Operate radar equipment ⁷⁵²⁰⁴⁸ as per par 2c above ⁹⁴⁴⁶³² from approved sites in the vicinity of coordinates 749052 (Site 2) and 936640 (Site 4); only equipment approved during power dry run will be operated; all other equipment will be completely secured.
- m. Project 53.4.--Move tactical vehicles (10) to Desert Rock Decontamination Station (coordinates 848888) with Desert Rock rad-safe vehicles (7) and Project 50.5 vehicle (1) on D-1 day; move personnel to observer area with other observers (Annex G, Transportation); observe shot; after H-hour and when ordered to do so move along assigned route (Annex B, Opn Overlay) to approved pie sector; conduct monitoring exercises.
- 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; provide one H-23 helicopter on ground alert at Desert Rock Decontamination Station (coordinates 848888) to be in position on D-1 day for evacuation of D-8 dozer operator (Project 50.5) from dozer in case it stalls in vicinity of observer area.

Operation Order 4, Cont'd.

c. Coordinating instructions.

(1) Unit commanders will insure that all Desert Rock personnel have film badges.

(2) All personnel will be familiar with provisions of the Red-Safe Program.

(3) 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. As each vehicle arrives at MERCURY Gate No. 1, one of two copies of the corrected roster will be handed to the guard. 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.

(4) 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.

(5) All personnel will be informed that two minutes prior to H-hour a 10-second siren signal will be sounded. At this time all personnel will turn their backs to GZ, close their eyes, and cover their eyes with their hands until the announcement to recover is made.

(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 Hilltop and Avalanche 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 H, 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
Combat boots
Field Jackets
Helmet w/liner
(Soft cap or liner may be worn)

Pistol belt
Canteens w/cup and cover
First-aid packet and pouch
Special equipment as required

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

b. Logistics.

(1) Medical.—Aid station will be established at observer area (coordinates 834033). Annex D, Medical.

(2) Chemical.—Decontamination station will be established at coordinates 848888.

Operation Order 4, 1964.

(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) The serial will contain one empty vehicle to transport personnel in case of breakdown.

(d) A wrecker will be located at the rear of the serial. 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 observer area at H-60 minutes.

JENSEN
Brig Gen

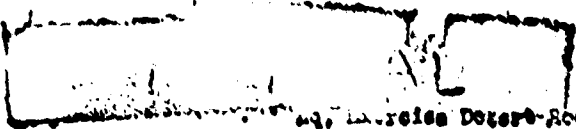
Annexes: A--Task Organization
B--Operation Overlay
C--Rad-Safety Plan
 Appendixes: 1--Radiological Recon
 2--Rad-Safe Control Net
D--Medical
E--Provost Marshal
 Appendixes: 1--Traffic Control Plan
F--Signal
 Appendixes: 1--AN/GRC-26-9 Net
 2--Motorola-Type Net
 3--Wire Circuits Forward
 4--Wire Circuit Rear
G--Transportation
H--Emergency Evacuation Plan
I--Distribution List

Distributions: Special

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GARAY
S-3

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Exercise Desert Rock VII
CAMP DESERT ROCK (572536), NEVADA
291000 May 1957

Annex A (Task Organization) to Operation Order 4

Maps: NEVADA, 1:50,000, TIPPICAH 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 Plt)
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 50.3, Evaluation Medium Range Detonation and Cloud Tracking System
Project 50.5, Field Evaluation of Shielding for Engineer Heavy Equipment
Project 50.7, Test of Ordnance Material
Project 50.8, Troop Test of Atomic Burst Equipment
Project 53.4, Radiological Defense Training

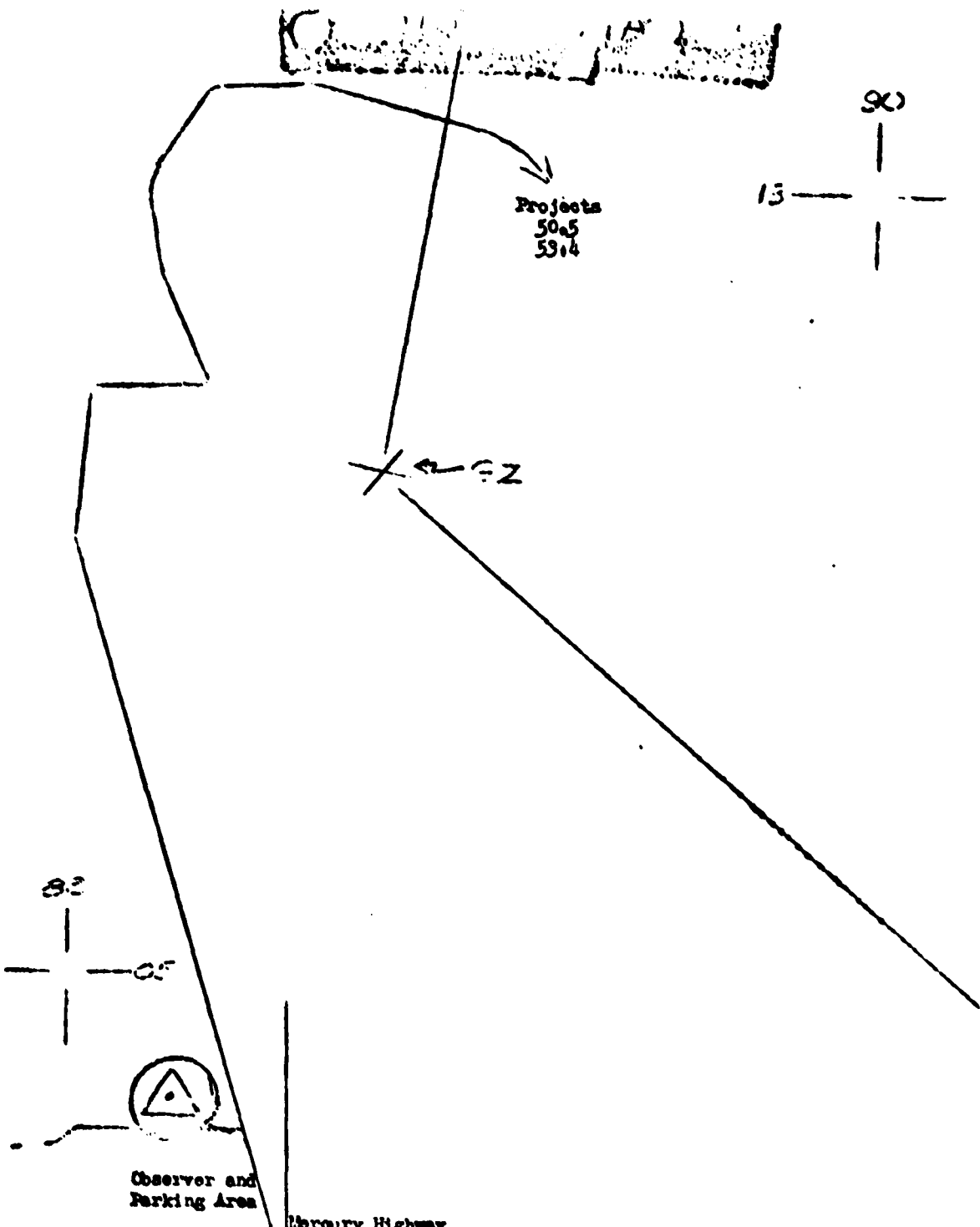
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Observer and
Parking Area

Mercury Highway

Hq. Exercise Desert Rock VII
CAMP DESERT ROCK, (872536), NEVADA
291000 May 1957

Annex B (Op Overlay) to Opn O 4
Map: NEVADA, 1:50,000, TIPPLEAH SPRING,
CANE SPRINGS, RAPOOSE LAKE and FRENCHMAN
LAKE Sheets.

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Brig Gen

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AEC Gate Nr 4
Approx 4.4 mi. South
on Mercury Highway



Annex C (Rad-Safety Plan) to Opn 4, Cont'd.

- b. Dosimetry.--See Memo Nr 8, this headquarters.
- c. Field decontamination.--See Memo Nr 9, this headquarters.
- d. Coordinating instructions.

(1) 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.

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

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

(5) Recovery teams, other than those operating from CAMP DESERT ROCK, are to be permitted free access through any part of the assigned pie-sector.

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

(7) Protective field masks and dust respirators are required for monitor personnel only and will be donned if breathing becomes difficult due to excessive dust, or if dust in the eyes affects vision.

(8) Observers will close and cover their eyes with their arms and face away (180°) from the detonation point when ordered to do so until detonation time plus five (5) seconds.

4. ADMINISTRATION AND LOGISTICS.

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

b. Monitor vehicles and equipment will be moved from the Decontamination Station to the observer area late on D-1 day.

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 motors will be issued on the following basis:

- (1) AN/PDR-18A. One (1) per RAD-SAFE monitor team.
- (2) AN/PDR-11B.
 - (a) One (1) per RAD-SAFE monitor team.
 - (b) Two (2) per Decontamination Station.
- (3) AN/PDR-27A. Four (4) per Decontamination Station.

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Annex C (Rad-Safety Plan) to Opn 4, C

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
AN/PDR-18	1
AN/PDR-T1B	1
Conos	As required
Engineer tape (white)	As required
Grease pencil (dark color)	1
Compass	1
Flashlight	1
Contamination Marker, 10 mr/hr (on stake)	1
Contamination Marker, 100 mr/hr (on stake)	1
Contamination Markers, Blank (on stakes)	5

f. Uniform as prescribed.

9. COMMAND AND SIGNAL.

- a. Rad-Safety Officer will be located at observer 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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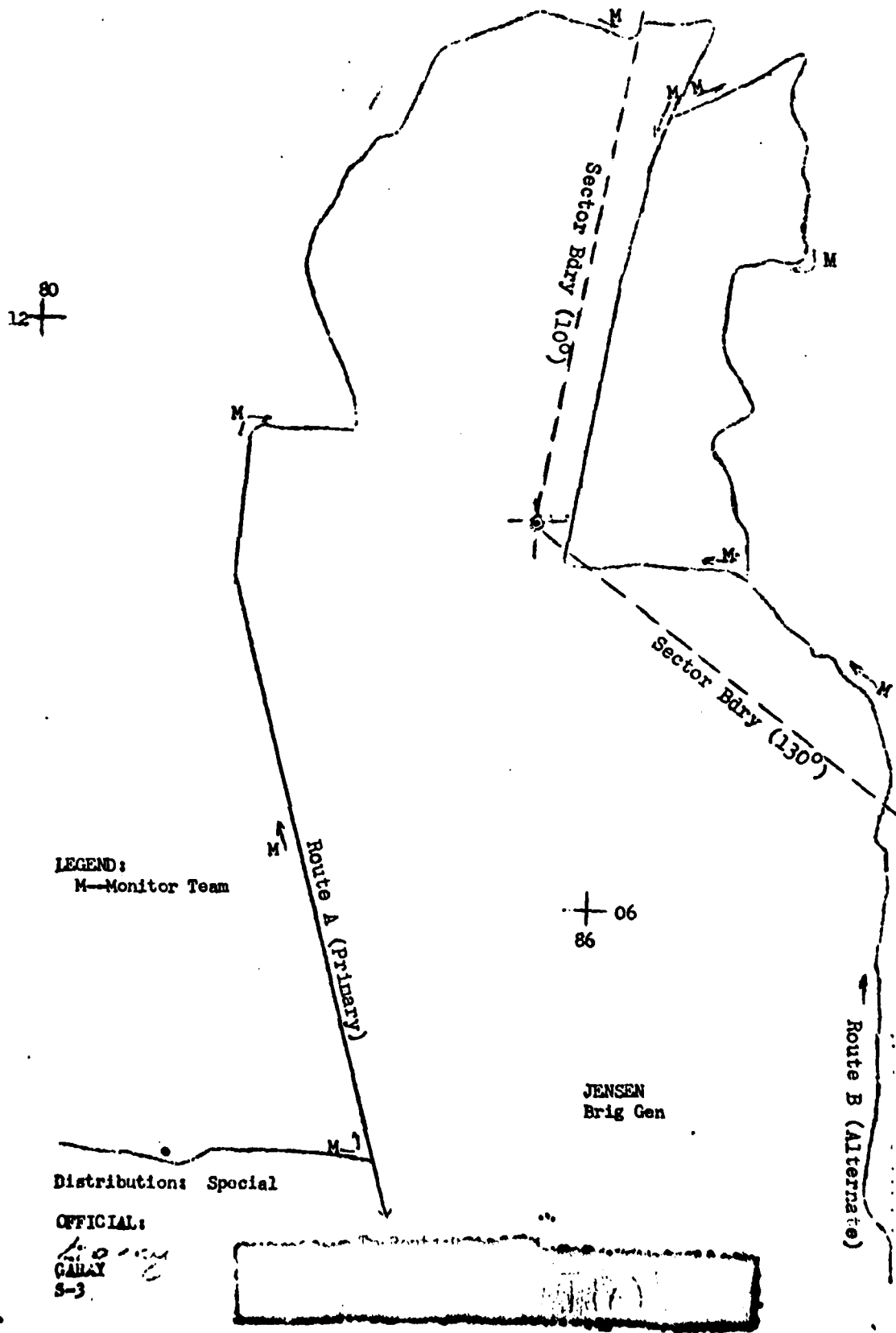
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Exercise Desert Rock VII
CAMP DESERT ROCK (872536), NEVADA
291000 May 1957

Appendix 1 (Radiological Recon) to Annex C (Rad-Safety Plan) to Opn 0 4
Map: NEVADA, 1:50,000, TIPPIPAH SPRING and PAPOOSE LAKE Sheets.



LEGEND:
M--Monitor Team

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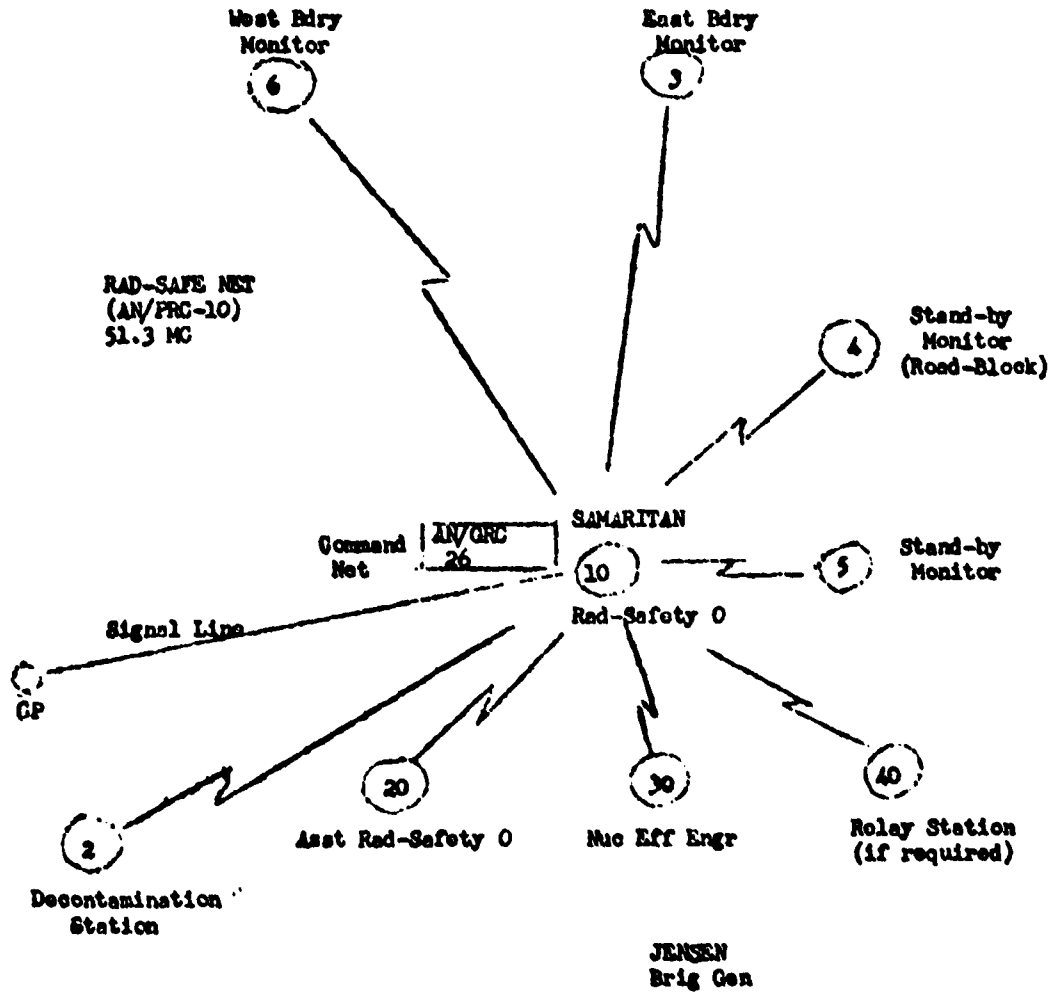
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Hq, Exercise Desert Rock VII
CAMP DESERT ROCK (872536), NEVADA
291000 May 1957

Appendix 2 (Rad-Safe Control Net) to Annex C (Rad-Safety Plan) to Opn O 4

Map: NEVADA, 1:50,000, TIPPIPAH SPRING and PAPOOSE LAKE Sheets.




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Hq, Exercise Desert Rock VII
CAMP DESERT ROCK (872536), NEVADA
291000 May 1957

Annex D (Medical) to Operation Order 4

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

1. Aid Station will be established in the YUCCA FLAT observer area (coordinates 834033).

2. Two ambulances, equipped with radios tied in with Camp Desert Rock MP network, will move with the main body (Annex G, Transportation). Upon arrival at the observer area, ambulances will take up position adjacent to Aid Station.

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

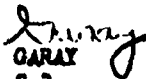
4. Reserve medical team, with four ambulances, will be on call in Camp Desert Rock area.

5. Air evacuation, from Camp Desert Rock Air Strip to Nellis Air Force Base Hospital, will be on call.

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Hq, Mojave Desert Rock VII
CAMP DESERT ROCK (872536), NEVADA
291000 May 1957

Annex E (Provost Marshal) to Operation Order 4

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 three TCPs and one parking area detail. Annex B, Opn Overlay.

b. TCP No 1 will direct vehicles left at fork in MERCURY ROAD. Positioned about 1 mile south of observer turn-off road.

c. TCP No 2 will direct vehicles left on unnamed road to observer area.

d. TCP No 3 will direct vehicles left to parking area.

e. Parking area detail will assist TC officer (Capt Backus) in parking vehicles and providing security.

f. TCP vehicles will rendezvous with convoy at AEC Gate Nr 4 and will move through the gate before the convoy so as to establish TCPs just prior to scheduled arrival of convoy. Annex G, Transportation.

4. ADMINISTRATION AND LOGISTICS.

a. Uniform.—Field cap, long underwear, 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 $\frac{1}{2}$ -ton trucks will be stationed at each TCP and will remain in communications until ordered to leave net.

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.

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Annex E (Prevot Marshal) to Opn 0-4 (Concl'd).

e. TCPs will remain on post until relieved, in time to close in the observer area for the shot.

f. Siren will be sounded for 10 seconds commencing at H-2 minutes.

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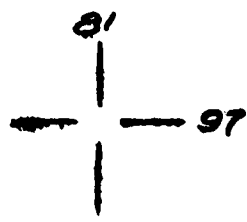
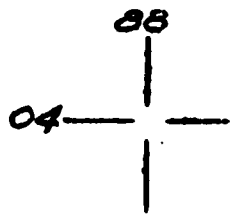
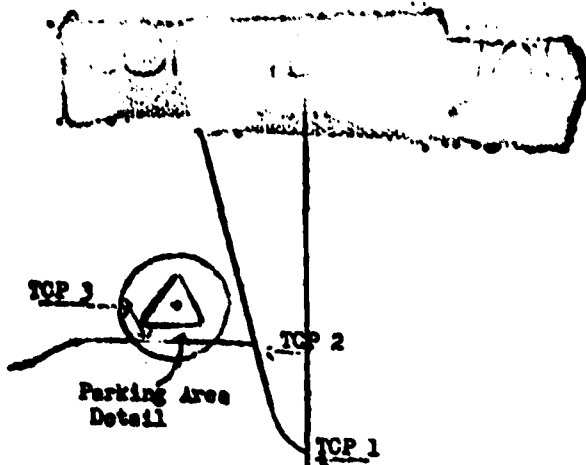
Appendix: 1—Traffic Control Plan

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Mercury Highway

Hq, Exercise Desert Rock VII
 CAMP DESERT ROCK (872536), NEVADA
 291000 May 1957

Appendix 1 (Traffic Control Plan) to
 Annex E (Provost Marshal) to Opn O 4

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

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Hq, Exercise Desert Rock VII
CAMP DESERT ROCK (872536), NEVADA
291000 May 1957

Annex F (Signal) to Operation Order 4

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

1. PURPOSE.—To provide continuous communications for observer and Radiological monitoring before, during, and after the proposed detonation of shot WILSON 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 DCD Signal personnel, 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) Observer area, Control Point 1, CAMP DESERT ROCK, Radar Site No. 2, and Radar Site No. 4 Net.—AN/GRC-26's and AN/GRC-9's. Call signs: Avalanche, Avalanche Alfa, Avalanche Bravo, Avalanche Charlie, and Avalanche Delta. Frequency: 2312 KC AM. Avalanche station located at observer area will be the net control station. Appendix 1, AN/GRC-26/9 Net.

(b) DCD Net One. Motorola-type handy talkies to be furnished by DCD will provide communications between CP 1, observer area, and Project 50.3 location. Call signs: Hilltop 61, Hilltop 82, and Hilltop 81, respectively. Purpose of this net is to monitor announcements. Net control stations: Hilltop. Appendix 2, Motorola-Type 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 834033) to be terminated on field telephones (TA 43's) at each end. This direct line is to be used to inform the field commander that all observers at this particular location are "IN PLACE" prior to "COUNT DOWN" time.

(b) Line 2.—One wire circuit from CP 1, picked up at NEWS NOB terminals, to connect into public-address system at 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 AN/GRC-26's 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 AN/GRC-26 radio net.

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Annex F (Signal) to Operation Order 4; Cont'd.

(2) Rear.--Radar Sites No. 2 and 4 (Project 50.6), Project 50.3, observer area, and Decontamination Station will be connected by wire direct to Desert Rock switchboard. These sites may be reached by telephone from CP 1 through the Mercury switchboard and vice versa. Appendix 4, Wire Circuit Rear.

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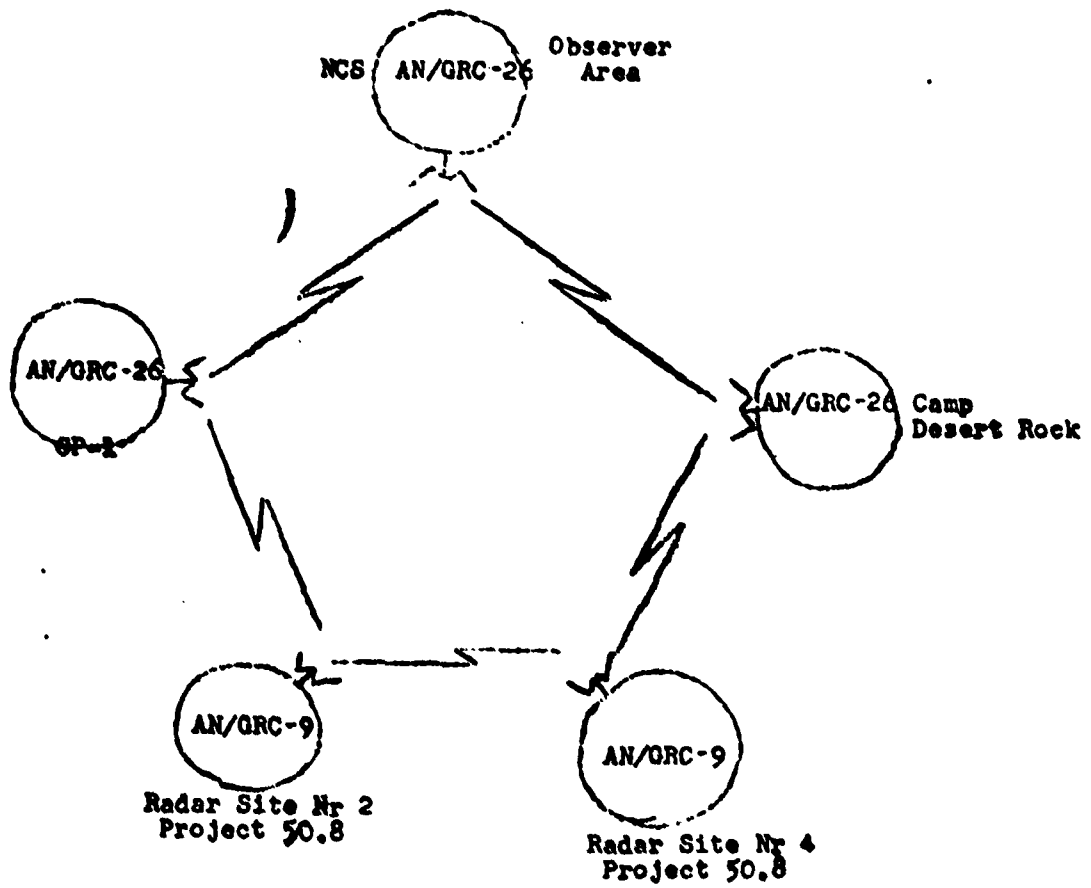
- Appendices: 1--AN/GRC-26/9 Net
- 2--Motorola-Type Net
- 3--Wire Circuits Forward
- 4--Wire Circuit Rear

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Hq, Exercise Desert Rock VII
 CAMP DESERT ROCK (872536) NEVADA
 291000 May 1957

Appendix 1 (AN/ORC-26/9 Net) to
 Annex F (Signal) to Opn 0 4

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

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Motorola
Type
Handy-Talkie

Observer Area
(Hill Top 82)

Motorola
Type
Handy-Talkie
(NCS)

CP 1
(Hill Top 61)

Motorola
Type
Handy-Talkie

Project 50.3
(Hill Top 81)

Hq, Exercise Desert Rock VII
CAMP DESERT ROCK (872536), NEVADA
291000 May 1957

Appendix 2 (Motorola-Type Net) to
Annex F (Signal) to Opn O 4

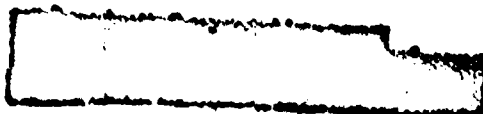
Map: NEVADA, 1:50,000, TIPPIPAH
SPRING, CANE SPRINGS, SPECTOR
RANGE, PAPOOSE LAKE, FRENCHMAN
LAKE and MERCURY Sheets.

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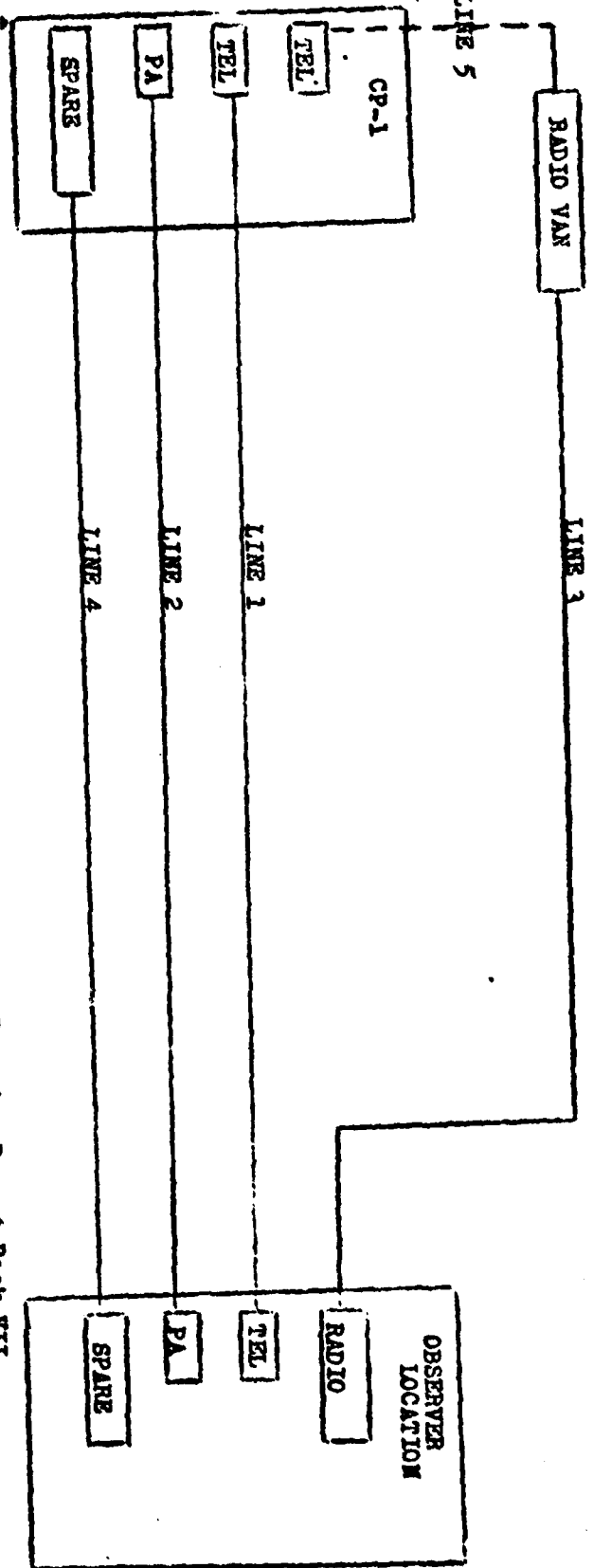
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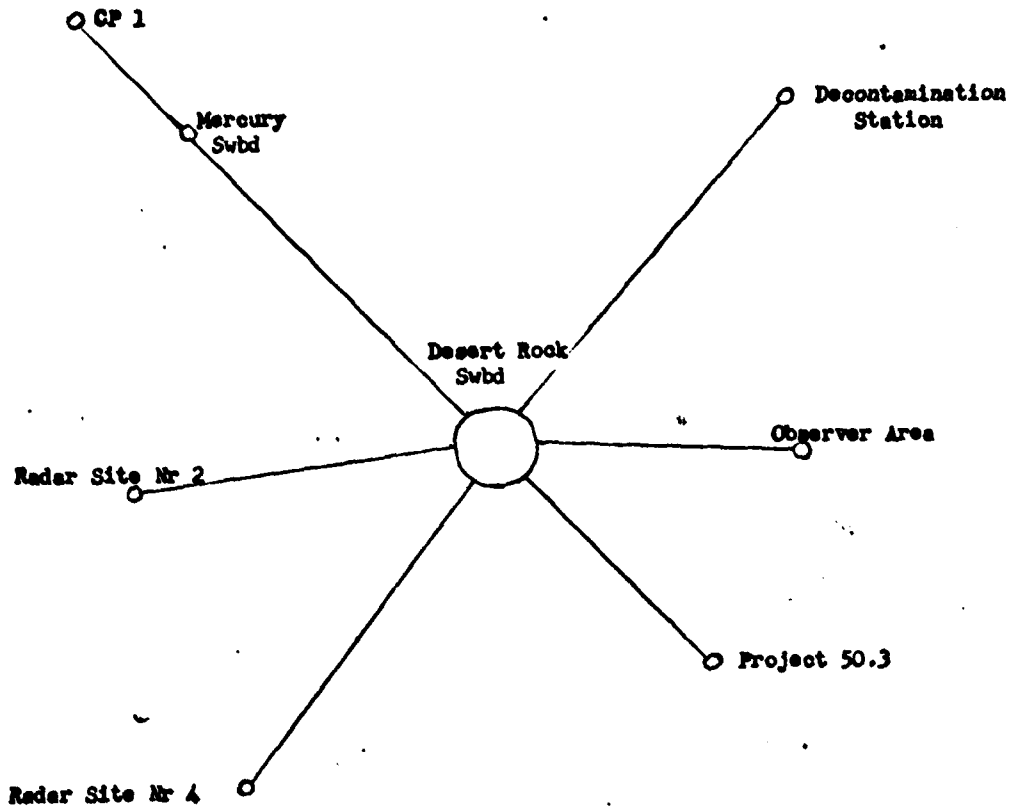
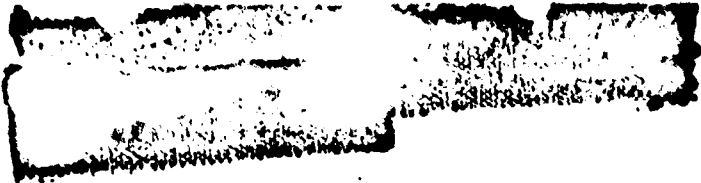
Appendix 3 (Wire Circuits Forward) to Annex P (Signal) to Opn O 4
 Map: NEVADA, 1:50,000, TIPPICAH SPRING, CAME SPRINGS, SPECTOR RANGE, PAPOOSE LAKE, WRENCHMAN LAKE, and MERCURI Sheets.
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 CAMP DESERT ROCK (872536), NEVADA
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Appendix 4 (Wire Circuit Rear) to
 Annex F (Signal) to Opn O 4

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

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Desert Rock VII
CAMP DESERT ROCK (872536), NEVADA
291000 May 1957

Annex G (Transportation) to Operation Order 4

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

VEHICLE ROSTER (WILSON)

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

MARCH TABLE

Serial Comdr	Rate of March	Type of Column	Time Length	Critical Points	ETA	Latest Clearance
Capt Hizar	25Mph	Closed	5	(IP) MP Gate	0050	0055
	25Mph	Closed	5	Mer Ck Pt Nr 1	0057	0102
	25Mph	Closed	5	Mer Ck Pt Nr 2	0102	0107
	35Mph	Open	5	RJ Frenchman Flat	0119	0124
	35Mph	Open	5	CP Yuoca Pass	0135	0140
	35Mph	Open	5	AEC Gate Nr 4	0138	0143
	35Mph	Open	5	RJ "Y"	0150	0155
	20Mph	Closed	5	Parking Area	0155	0200

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.

Convoy Comdr: Capt Ingram

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Exercise Desert Rock VII
CAMP DESERT ROCK (872536), NEVADA
291000 May 1957

Annex H (Emergency Evacuation Plan) to Operation Order 4

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 to the south in the following order:

- (1) Decontamination Station (coordinates 848888).
- (2) Check Gate Nr 2, Camp Mercury (coordinates 914605).
- (3) Camp Desert Rock motor pool (coordinates 872537).

b. Serial commander will be responsible for the movement of his 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 commanders will be responsible for the orderly loading and movement of their groups on order of the serial 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 commander.
- (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 TC representative 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 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.
- (5) Code designation to implement this plan is **CONDITION THUNDER.**

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Annex H (Emergency Evacuation Plan) to Operation Order (Confid)

(6) CONDITION THUNDER will be transmitted by the most readily available means and will be authenticated by the Post Red-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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CAMP DESERT ROCK (872536), NEVADA
291000 May 1957

Annex I (Distribution List) to Operation Order 4

UNITS	COPIES
CG, US CONARC, Attn: G3	1-4
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CG, Sixth US Army, Attn: PIO	7
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