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EXERCISE DESERT ROCK LAS VEGAS NV  
EXERCISE DESERT ROCK VI. OPERATION ORDER NUMBER 5.(U)  
MAR 55

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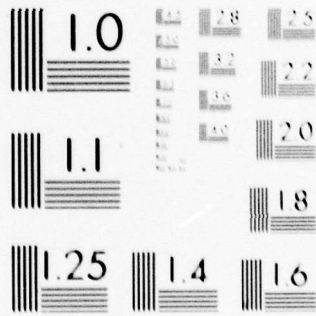
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MICROCOPY RESOLUTION TEST CHART  
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INVENTORY

HQ Exercise DESERT ROCK VI, Nevada

Operation Order Na.5

DESERT ROCK VI

March 1955

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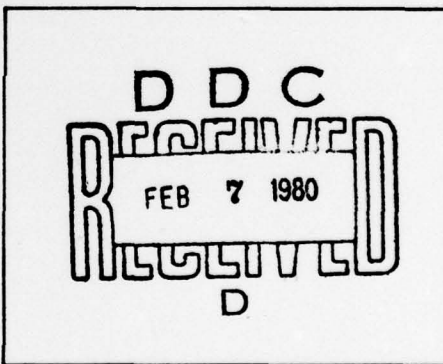
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# OPERATION ORDER

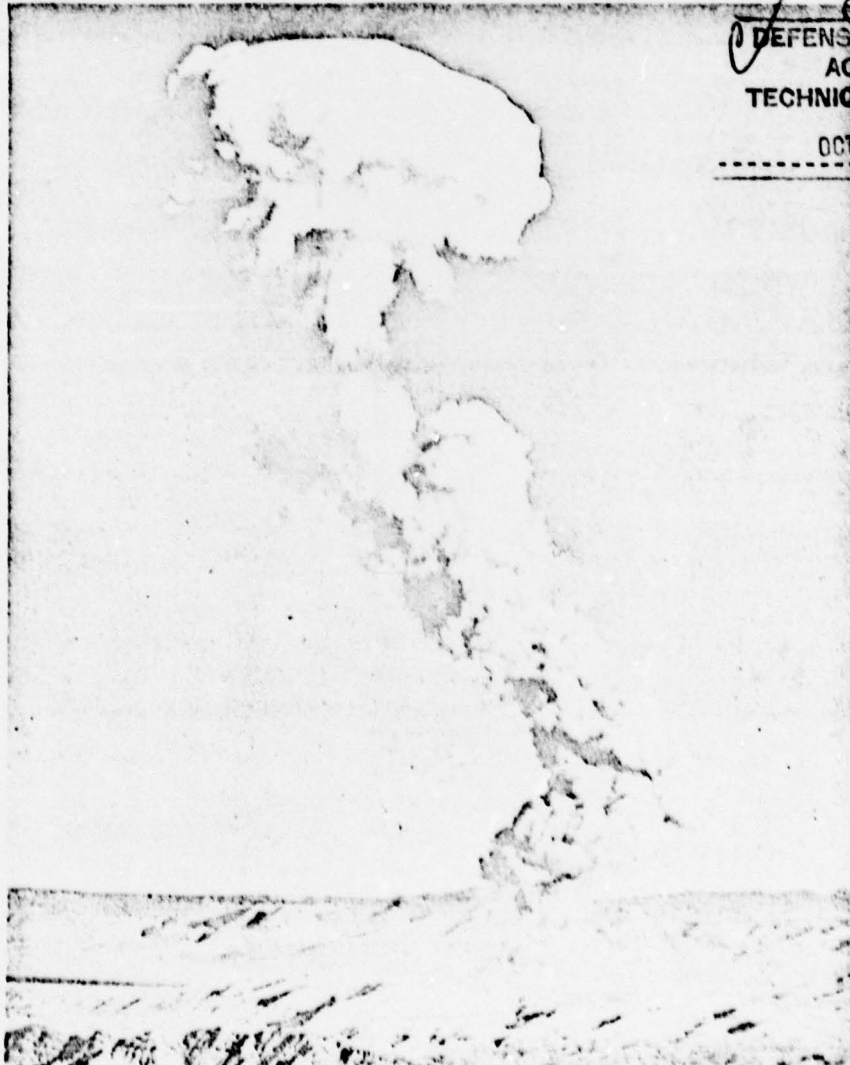
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# DESERT ROCK VI



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Hq Exercise Desert Rock VI  
(872536) Nevada  
101200 March 1955

No Change From Oral Orders

OPERATION ORDER NR 5

REFERENCE: MAPS: 1:50,000 Nevada

Shoots: Tippiah Springs 2758 II  
Spector Range 2757 II  
Frenchman Lake 2857 IV  
Cano Springs 2757 I  
Papoose Lake 2858 III  
Mercury 2857 III

TIME ZONE: Pacific Standard

TASK FORCE:

Deputy Exercise Director	Brig Gen F.W. Sladen Jr.
Control Group Commander	Lt Col D.P. Roeco
Group "A" Commander (Observers) Permanent Party	Capt B. Ham
"C" Btry (-) 532d F.A. Obsr Bn	1st Lt Breunig
6th Army CBR Defense Teams	Major E.R. Shappell
50th Chemical Platoon	Capt W. T. Burnham
Army Aviation Section	Major J.B. Feldt

1. SITUATION

Atomic Energy Commission will detonate an Atomic missile D-Day, H-Hour, which approximately 450 US Army personnel will observe, and 109 US Army personnel will participate to test equipment and training doctrine.

2. MISSION

Headquarters Exercise Desert Rock VI will conduct Exercise Desert Rock VI-2, Shot APPLE, Area T-4, D-Day, H-Hour, at the Nevada Test Site to:

- a. Indoctrinate observers with the actual detonation of an atomic device.
- b. Provide instruction and experience for individual protection against nuclear radiation and blast effects.
- c. Obtain information, test equipment and train operators for F.A observation Bns.
- d. Instruct personnel and test training doctrine for 6th Army Defense Teams.

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3. EXECUTION

Observer Group with participating test units will move by motor convey from Camp Desert Rock to Area T-4, under control of the Control Group Commander. Participating personnel will be entrenched "H" minus 1 hour.

a. Control Group

(1) Deputy Exercise Director and Aide

Group Commander; 17 officers from staff of Exercise Desert Rock; one 1 1/4 Ton vehicle w/radio vehicle dug in, in vicinity of Command Trench.

(2) Signal Detachment 25 personnel; 2 switchboard operators; 1 PA system operator; 1 - 1 1/2 ton trailer (power unit) dug in, in vicinity of command trench. See ANNEX B.

(3) Rad Safe: 6 Mobile teams, mounted in 1/4 ton vehicles with radio, will be dug in, in vicinity of Command trench. Will survey area in compliance with ANNEX D.

(4) Medical: 3 (2 man) aid teams located in trench. Aid Station, See ANNEX C.

(5) Co "G" 505th MP Bn: will furnish personnel to man road control points. See ANNEX G.

(a) Staff officer S-3 section, S-2 section and PW, will be in last Vehicle of last serial. Will pick up MP road guides by roster.

(6) 50th Chemical Platoon provide personnel for Rad-Safe survey team: Set up contamination inspection in forward area and operate decontamination station located at coordinates (848888).

(7) Control Group will infiltrate to forward area and will clear Camp Mercury (check point # 2) a minimum of 30 minutes prior to arrival of 1st motor serial at Camp Mercury.

(8) Provides a commentary of events over PA system at entrenchment area from H-60 to H-1 minutes.

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(9) Control Group Personnel

COMMAND

Brig Gen F. W. Sladen Jr.

1st Lt. J. F. Hasencamp

1st Lt. D. P. Reece

R.D.-SAFE

Col F. W. Ludecke

TRANSPORTATION

Lt Col M. W. Sullivan

SIGNAL

Lt Col J.R. Windham

PROVOST MAREHAL

Lt Col A. G. Russell

INSTRUCTOR GROUP

Lt Col E. A. Shaw

MEDICS

Col. R. T. Findlay

b. Observer Group "A"

(1) Consists of 450 US Army observers from station complement of Camp Desert Rock, moving in one serial of busses and 2 1/2 ton Trucks.

(2) Moves in accordance with March Table ANNEX A.

(3) Participants in Exercise Desert Rock VI in accordance with ANNEX E.

c. F.A. Locator of Atomic Burst Test.

(1) Consists of Battery "C" (-), 532d F.A. (Obsr) Battalion, a total of 95 personnel, with 26 vehicles.

(2) Locate Atomic Burst by three dimensional means, Measure yield by use of the EG&G Banghmer.

(3) Will man OP's, located 7,000 to 17,000 meters from GZ. OP's will be occupied H-12 hours. See ANNEX F.

(4) Wire communications, with alternate radio, will be established with control group commander. See ANNEX F.

(5) Evacuation plan will be implemented in accordance with ANNEX H.

c. CBR Defense Teams: 6th Army

(1) Two twelve man teams, 15 1/4 ton vehicles, supplemented by one pilot and L-19 aircraft from Camp Desert Rock.

(2) Ground survey personnel will establish the 15 R/H line and will penetrate into contaminated areas no further than the 15 R line.

(3) Aerial Survey will determine the 10 R/H iso-intensity line and delineation of areas of maximum intensity, utilizing standard ground Radiac in light aircraft.

(4) Teams will operate 360° from GZ on D+1 and D+2 Days.

(5) Teams will not enter T-4 area for operation until D+1 Day.

(6) Communications: See ANNEX B.

f. Air Section

(1) Provide aircraft and pilots for air evacuation of injured personnel. See ANNEX C.

(2) Provide one L-19 aircraft and pilot for CBR Defense Teams on D+1 and D+2 Days.

g. Coordinating Instructions

(1) Unit Commanders will insure that all permanent party personnel have film badges. See MEMO 17 this Hq.

(2) Group Commanders will organize group so that one or more responsible officer will check roster for each group. Group Commanders will certify that personnel are accurately loaded on assigned vehicles. If an individual is missing from the entrucking formation his name will be red-lined from the roster. The certified roster will be retained by S-2, Exercise Desert Rock VI, for presentation to JEC upon request.

(3) All control group personnel whose duties dictate their presence in forward area during future shots will obtain film badges.

(4) Roll call will be held prior to loading groups in vehicles by roster.

(5) All personnel will be familiar with provisions of Rad-Safe program. See ANNEX D.

(6) All personnel will be informed that two (2) minutes prior to H-Hour a 30 second siren will be sounded. At this time the Control Group Commander will order all participants to crouch in their entrenchments, well below the surface of the ground and remain in that position until announcement to rise is made over the PA system.

(7) Observers will be conducted through the display area under control of the Group Commander. Groups will move on order of the Control Group Commander.

(8) All personnel will be cautioned not to pick up any items in the equipment display area, or in the vicinity of ground zero.

#### 4. ADMINISTRATION

a. Current administrative instructions apply

b. Transportation

(1) Vehicles and drivers names as required will be furnished by Camp Desert Rock S-4. S-3 section will prepare a roster of observers reflecting name, rank, branch of service, badge number and vehicle number.

(2) Vehicles will be marked, front end on right side, with a letter number system, ie, A-1, A-2, B-1, B-2, etc.

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

(4) A wrecker will be located at rear of each serial. Vehicles which break down during the movement to the display area will be pushed to the side of the road and remain until the return to Camp Desert Rock, at that time wreckers will tow into Camp Desert Rock, all non-operative vehicles. If vehicles break down at entrenchment area they will be towed to the parking area, coordinates 836963 where they will remain until all march units have cleared the display area.

c. Medical See ANNEX C

(1) Aid station will be established in the vicinity of parking area 836963.

d. Uniform and Equipment ~~XXXXXXXXXX~~

(1) Individual participants and observers:

(a) Clothing and Equipment

Fatigues

Combat Boots

Field Jackets

Overcoats (Optional)

Gloves, Leather, w/inserts

Helmet, Steel, w/liner

Pistol Belt

Canteen, w/cover & cup, containing water

First aid packet and pouch

c. (1) Hot breakfast will be served in Camp Desert Rock prior to entrucking.

(2) Hot coffee will be served in the forward area.

5. SIGNAL

a. Current S O I: ANNEX B

b. Forward CP Exercise Desert Rock VI open H-60 minutes at entrenchment area control points.

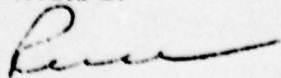
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Lt Gen

ANNEXES:

- A. Transportation and March Table
- B. Signal
- C. Medical and Evacuation
- D. Rad-Safe
- E. Schedule of Events
- F. F.A. (Obsr) Locator Test
- G. Military Police
- H. Emergency Evacuation

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<u>UNIT</u>	<u>COPY NR</u>
DA G-3	1 - 4
6th Army G-3	5 - 6
6th Army PIO	7
AFSWP	8 - 13
CG Exercise Desert Rock VI	14
EXO Exercise Desert Rock VI	15
S-1 Exercise Desert Rock VI	16
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CO 95th Engr (C) Bn	21
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PIO Exercise Desert Rock VI	31

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Hq Exercise Desert Rock VI  
(872536) Nevada  
101200 March

ANNEX A (Transportation) TO OPERATION ORDER NR 5

1. ORGANIZATION

Motor Vehicle Convey will be organized into three serials as shown below under the command of the motor Officer, Camp Desert Rock.

a. Serial:

- 1 - 1/4 Ton w/radio - Serial Commander
- 1 - 1/4 Ton - Troop Commander
- 18 - ea Bus - 27 passenger - 483 permanent party
- 2 - ea Truck 2 1/2 Ton
- 1 - ea Truck (Ambulance) M-43
- 2 - ea Truck, (Wrecker) M-62
- 1 - ea Bus - 27 Passenger, MP Pick-up.

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. Route (See Appendix NR 2)

3. EXECUTION

a. Movement will be in accordance with March Table (See Appendix NR 1): Loading will be accomplished by 0200 hours on the designated date. Movement of vehicles to the entrucking area for the return movement will be as directed by S-3 Camp Desert Rock.

b. Entrucking and detrucking areas as designated. See Appendix 2. Coordinating instructions.

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(1) Serial Commanders will secure approval from S-3, Camp Desert Rock prior to movement of convey.

(2) Provost Marshal will provide necessary route marking and traffic control (See Annex G).

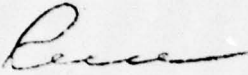
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APPENDICES:

1. March Table
2. Route Map

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Hq Exercise Desert Rock VI  
(872536) Nevada  
101200 March


APPENDIX 1 TO ANNEX A TO OPERATION ORDER NR 5

MARCH TABLE

SERIAL COMMANDER	ROUTE	MARCH			CONTROL OF MOVEMENT		
		RATE	TYPE	T L	LOCATION OF CRITICAL POINTS	ETA	LATEST CLEARANCE
As Directed Nevada Test Area							
CAPT McCORKLE		25 MPH	Open	5	(IP MP Gate	0224	0234
MAJ SKAGGS		25 MPH	"	"	Hor Ck Pt Nr 1	0230	0240
		25 MPH	"	"	Hor Ck Pt Nr 2	0235	0245
		35 MPH	"	"	C.P. Yucca Pass	0315	0325
		15 MPH	Close	"	Detrucking Area	0345	0355
		15 MPH	"	"	Parking Area	0415	0425

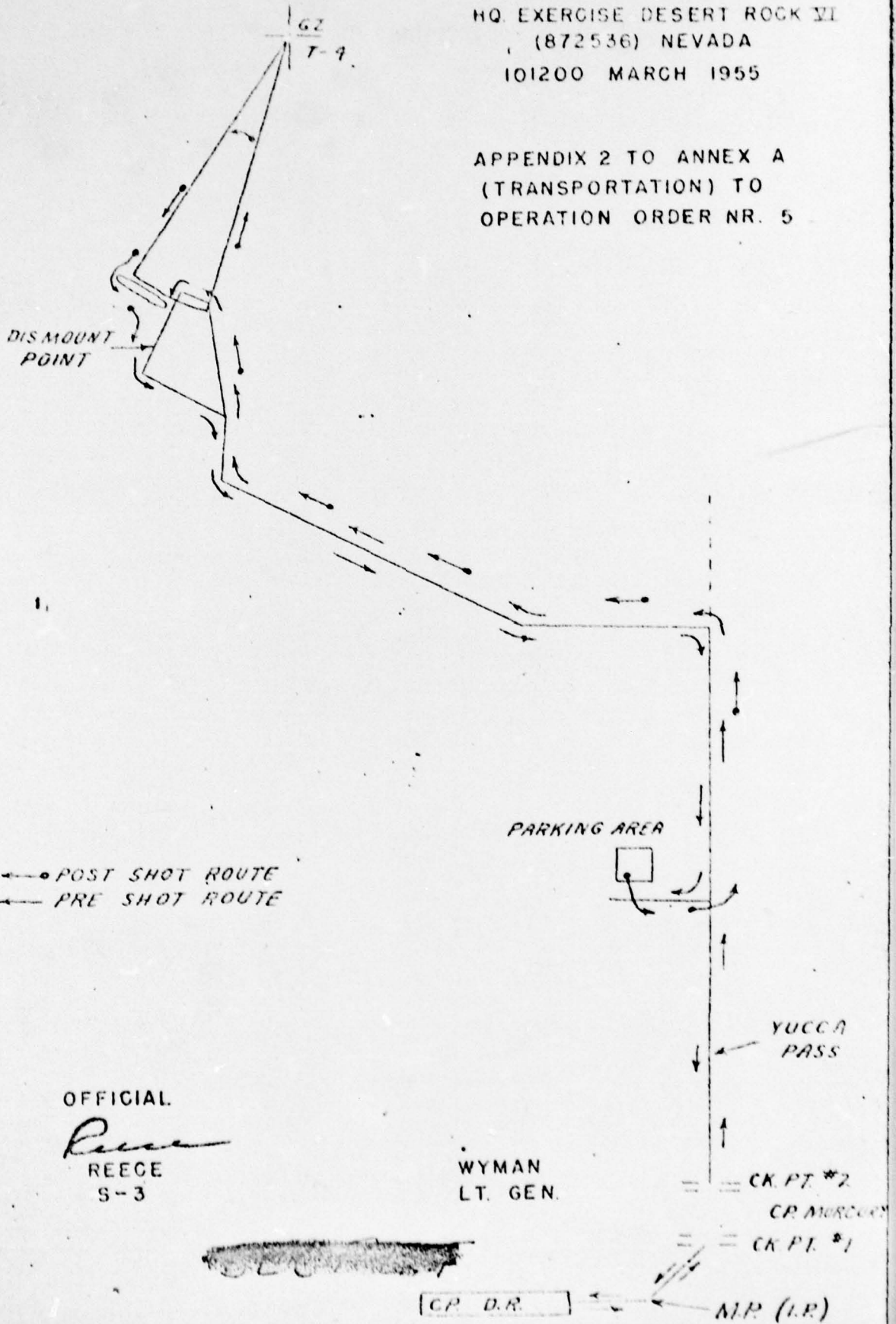
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HQ. EXERCISE DESERT ROCK VI  
(872536) NEVADA  
101200 MARCH 1955

APPENDIX 2 TO ANNEX A  
(TRANSPORTATION) TO  
OPERATION ORDER NR. 5



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Ho Exercise Desert Rock VI  
(872636) Nevada  
101700 March 1965

ANNEX B (Signal) TO OPERATION ORDER NR 6

1. PURPOSE:

To provide a plan for continuous and reliable communication for this command in the forthcoming exercise.

2. MISSION:

The 222d Signal Company and attached signal teams will provide all communication services and photo dosimetry service.

3. EXECUTION:

a. Wire Communications (Appendix 1 & 2)

(1) Install and operate tactical type switchboard in the immediate vicinity of the troop trenches.

(2) Install two (?) spiral four cable lines direct from Camp Desert Rock to forward area switchboard.

(3) Install one (1) spiral four cable line direct from AEC Control Point at Yucca Pass to the forward switchboard (for emergency use only).

(4) Install two (?) dial trunks from AEC Control Point at Yucca Pass to forward area switchboard.

(5) Install two (?) direct lines from AEC Control Point at Yucca Pass to Command trench, bypassing switchboard (one line for PA system and one line to Control Group Commander).

(6) Install following local circuits from forward area switchboard:

(a) Two (?) circuits to 532d FA Obsr Bn.

(b) One (1) circuit to each of the troop trenches.

(c) Three (3) lines to Command trench.

(d) Two (?) lines to aid station.

(e) Two (?) lines to parking area.

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b. Radio Communications (Appendix 3)

(1) Radio silence from H-30 minutes to H+15 minutes with the exception of the Deputy Exercise Director's Command Net which will observe radio silence from H-15 minutes to H+15 minutes.

(2) Provide mobile radio net (Command Net) as emergency means for control and supervision of exercise.

(3) See SOI for all radio call words, call signs, and frequencies.

c. Public Address System (Appendix 4)

(1) Provision will be made for control of PA system from a microphone located in the Command trench and from the Test Director's Control Point at Yucca Pass.

(2) Speakers will be placed at such locations in the trench area that all persons in trenches can hear messages from the PA system.

(3) One (1) vehicle will be provided with portable PA system and will be parked initially in the vehicle parking area. The PA system will be used for orientating the troops in the parking area.

d. Supply and Maintenance

Signal supply and Maintenance will be provided at Camp Desert Rock.

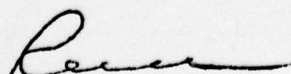
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APPENDICES

1. Telephone Traffic Diagram
2. Telephone Circuit Diagram (trench area)
3. Command net
4. PA System

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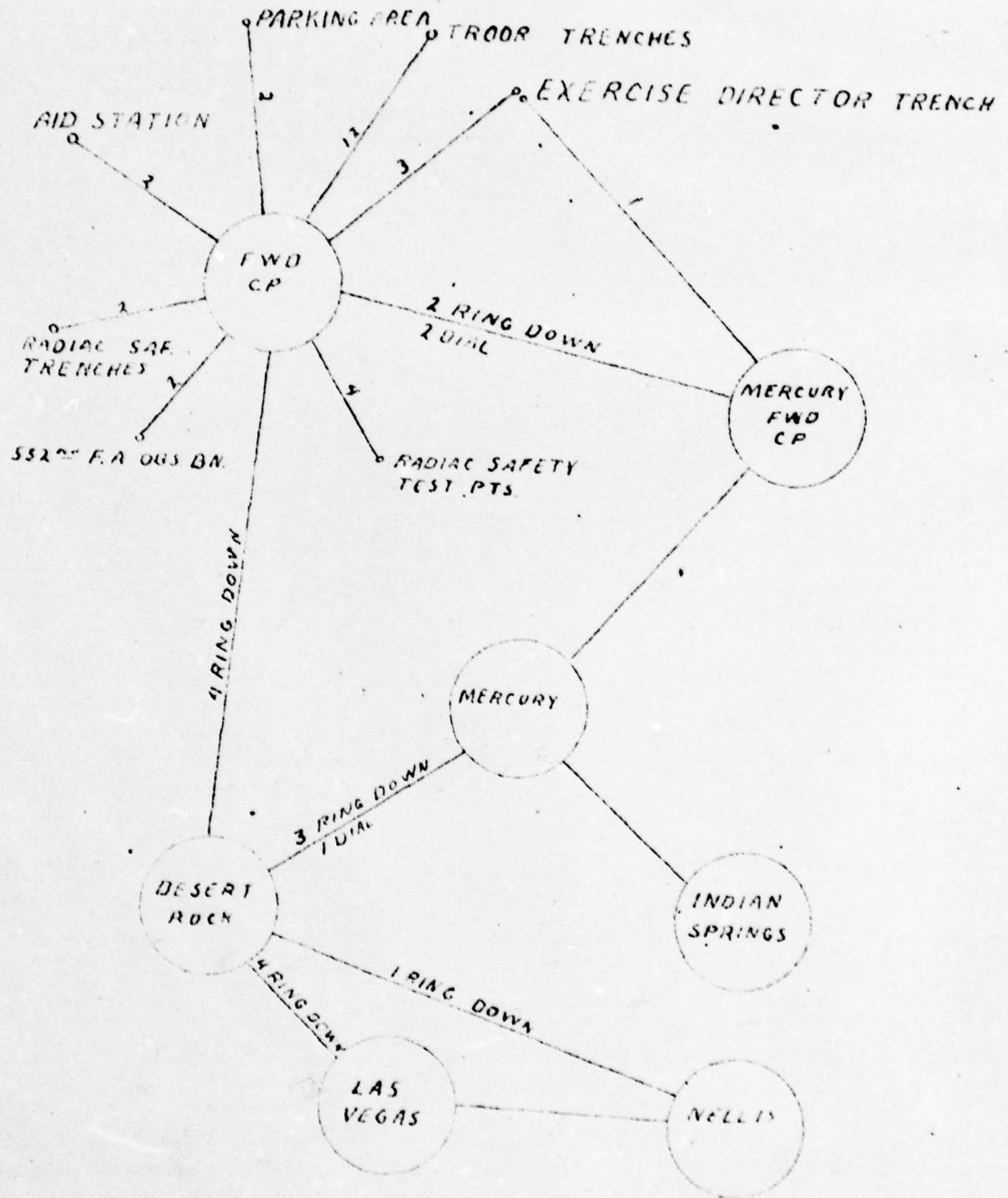
  
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APPENDIX I - ANNEX B  
(SIGNAL) OPERATION ORDER NR 5

HQ DESERT ROCK VI  
(872536) NEVADA  
101200 MARCH 1955



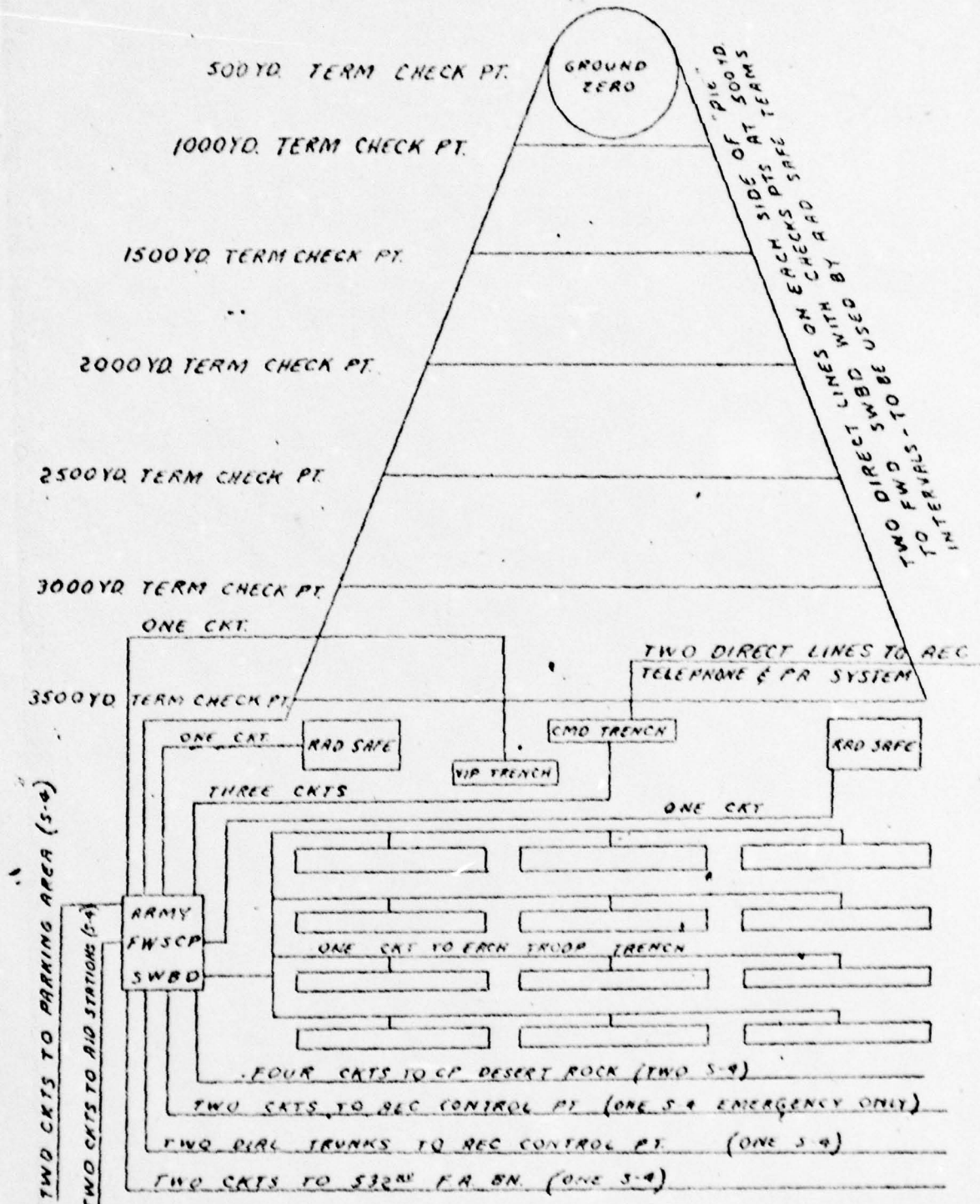
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APPENDIX 2 TO ANNEX B  
(SIGNAL) OPERATION ORDER NR 5

HQ EXERCISE DESERT ROCK  
(872536) NEVADA  
101200 MARCH 1955



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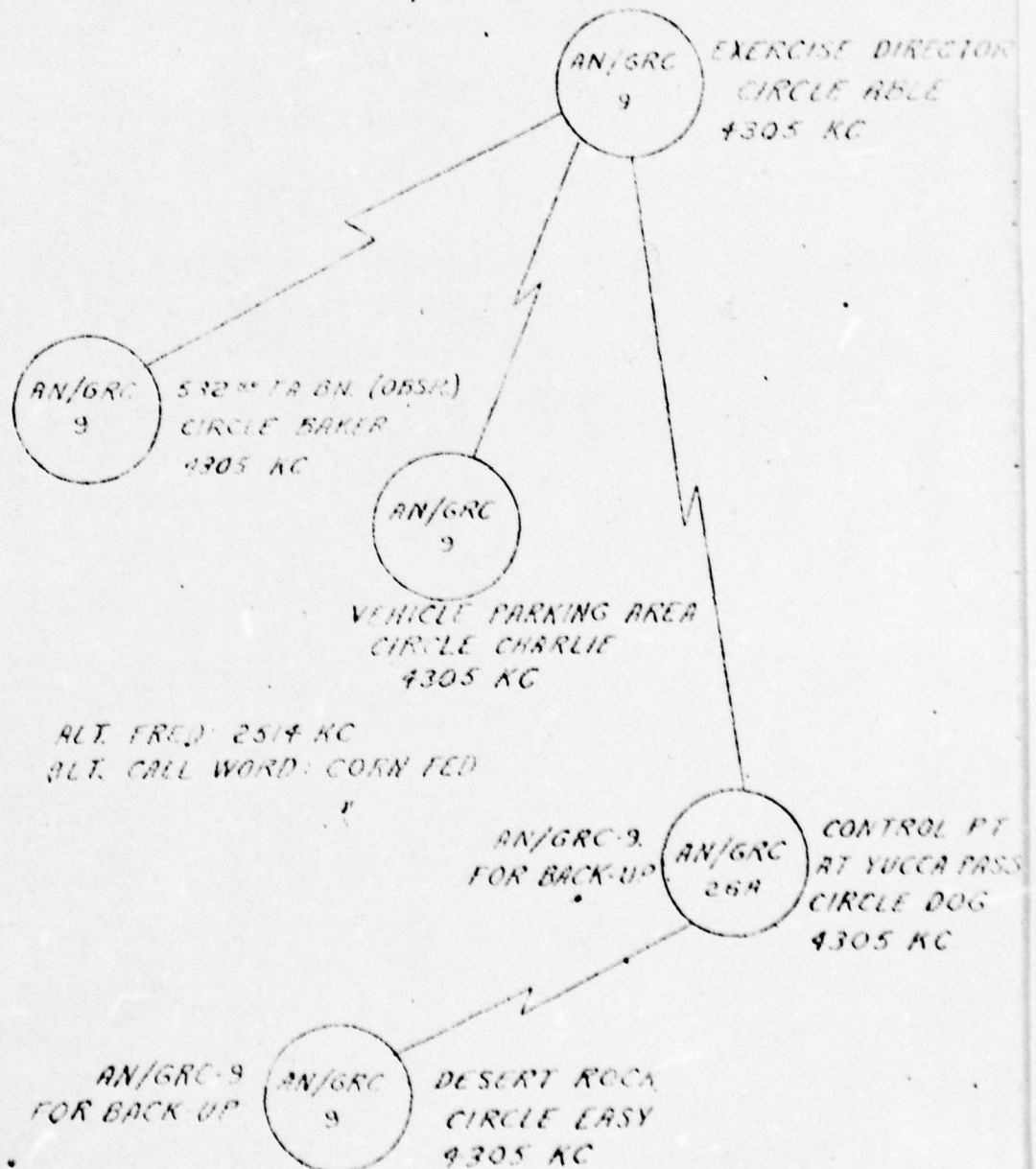
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APPENDIX 3 TO ANNEX B  
(SIGNAL) OPERATION ORDER NR

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(872536) NEVADA  
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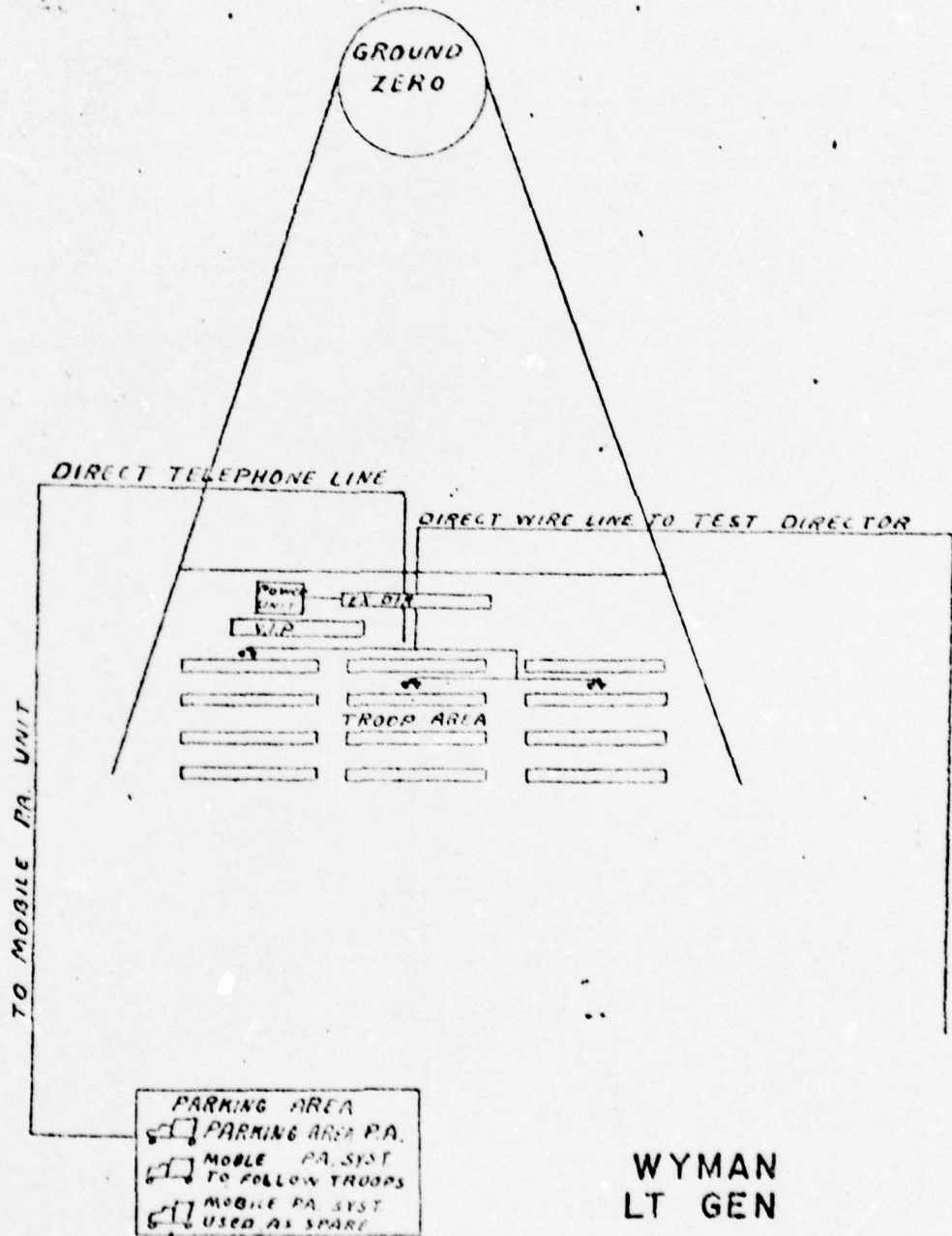
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HQ EXERCISE DESERT ROCK VI  
 (8.7253) NEVADA  
 101200 MARCH 1955

APPENDIX 4 ANNEX B (SIGNAL) OPERATION ORDER NR 5



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ANNEX C (Medical) TO OPERATION ORDER NR 5

1. ORGANIZATION

12th Evacuation Hospital (-)  
Medical Detachment 95th Engineer Bn (-)  
Aviation Detachment, Camp Desert Rock

2. MISSION

To furnish medical care and evacuation as required to all personnel participating in Exercise Desert Rock VI.

3. EXECUTION

The 12th Evac Hosp (-) with 95th Engr Bn Med Det (-) and Aviation Det Camp Desert Rock attached will furnish medical care and evacuation for all personnel participating in shot **Applo**, Exercise Desert Rock VI. The C.O. 12th Evac Hosp (-) will organize one (1) aid station, three (3) mobile med dets. and four (4) aid teams.

a. Command Group

Camp Surgeon

Two (2) aid men will ride in the aid station supply ambulance to the test area and take stations in rear of the Command Trench.

b. Aid Station

One (1) MSC Officer

Six (6) Med Aid Men

Two (2) Ambulances equipped sufficiently with specialized equipment and supplies to treat mass casualties.

Aid station personnel will move by infiltration to test area. Thence will proceed to the motor pool where an aid station will be established.

Upon completion of the shot, the aid station, including the two men stationed in rear of the Command Trench, will return to Camp Desert Rock after departure of the last motor serial from the test area.

c. Mobile Medical Detachments

(1) Each detachment will consist of five (5) medical aid men, one (1) ambulance with specialized equipment and supplies.

(a) One detachment each will be attached to the 1st and 2nd serial. Upon arrival in test area will proceed to the vehicle park. After the shot will advance forward, on order of surgeon, to positions immediately behind the file of trenches occupied by the personnel of their serial.

(b) One mobile medical detachment will proceed by infiltration to the test area prior to movement of the 1st serial convoy. Detachment will proceed directly to the vehicle motor pool. After the shot, will advance forward, on order of the surgeon, to assigned position immediately behind 3rd file of trenches.

d. Medical Aid Teams

(1) Consist of two (2) medical aid men equipped with medical aid kits and specialized equipment.

(2) Teams will be assigned to:

(a) Command Group

(b) Rearmost trench of each of the 3 files of trenches.

(3) One team each will move with one aid station and the mobile medical detachments. These teams will provide medical service while in the trenches and will remain participants as they proceed through the display area. They will call for support and/or assistance from mobile medical aid detachments by colored smoke, and arm signals or any other means of communication.

e. Evacuation and hospitalization.

Convoy

Personnel requiring evacuation prior to arrival in the test area will be evacuated by ambulances attached to the respective motor serials.

Test Area

Prior to shot: Evacuation will move over approved routes (see Trans Annex). No evacuation will be made after H-1 hours, until approved by Rad Safe Section after H-hour. Personnel in need of evacuation at this time will remain in the area until after the shot, unless specific authority is granted by AEC to move over the road.

After the shot: Evacuation will be by ambulance and/or helicopter.

(a) Ambulance-over approved routes.

(b) Helicopters

1. Five (5) helicopters on alert at Camp Desert Rock. Two (2) helicopters in reserve at Camp Desert Rock.

2. Two (2) H-19 helicopters with on doctor for each aircraft on alert at Nellis Air Base. Alert to continue from H-hour to H+60 minutes.

a. Coordinating with Nellis Air Base will be made by Major Feldt, C.O. Air section.

2. Guided to location of evacuees by colored smoke, hand and arm signals, or other means of communication.

4. One L-20 airplane will be on a stand-by status at Camp Desert Rock to expedite evacuation to Nellis AFB.

f. Coordinating Instructions.

(1) The Medical aspects of dosimetric readings will be handled and recorded in accordance with instructions in Rad Safe SOP.

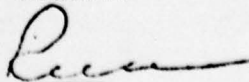
(2) Provost Marshal will implement selection and clearing of approved routes of evacuation of mass casualties.

(3) In the event of a major disaster all types of vehicles will be used for evacuation. Non-casualty personnel will be evacuated from the area after casualties are removed.

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ANNEX D (Radiological Safety Plan) TO OPERATION ORDER NR 5

1. MISSION

To provide radiological safety in Exercise Desert Rock VI to include organization, personnel, equipment, dosimetry, decontamination, and monitoring with operation procedures and restrictions for all participants based on criteria prescribed by Department of Defense.

2. OPERATIONS

a. Radiological Survey of Pie Segment

(1) After the shock waves of the atomic detonation have passed, and it has been determined that the cloud is moving in a safe direction, two motorized, radio-equipped Radiological Survey Teams will proceed from the vehicle revetments near the troop trenches, on orders of the Rad Safe Officer and each will start a radiological survey along opposite pie segment boundary roads proceeding toward Ground Zero. (See Appendix 1) Contamination signs will be erected on the pie boundaries at the following iso-intensity lines: 20mr/hr, 1r/hr, 3r/hr, 5r/hr. Upon reaching the 5r/hr line, the motorized team will start crossing the pie segment, trailing Engineer Tape along the 5r/hr iso-intensity line. Upon reaching the opposite boundary line, or meeting the other survey team, a team will turn around and post appropriate contamination signs at intervals of approximately 50 yds across the taped 5r/hr iso-intensity line and secure the tape to the posts. No troops or observers will cross the 5r/hr iso-intensity line. After establishing the 5r/hr line, the two survey teams will proceed in the pie segment away from Ground Zero each surveying one half of the pie segment to seek out any isolated areas of high intensity contamination which, if found, will be marked with tape and contamination markers.

(2) When radio silence can be broken the Rad Safety Officers Radio-mounted jeep with radio operator and driver will proceed to the command post where the Rad Safety Control Center is established.

(3) Soon after the two monitors proceed toward GZ on the pie segment boundary roads, the observers will be allowed to walk toward GZ, preceded by a vehicle with mounted public address system for control. The sound truck will be flanked by one motorized Rad survey on its right and one on its left and slightly ahead each covering one half of the segment. These survey teams will

conduct continuous surveys ahead of the observers. Upon reaching the 5r/line the teams preceding the sound truck will immediately return from the high intensity area.

(4) Three auxiliary motorized Rad Survey Teams will be on standby basis at the vehicle revetments.

(5) The Radiological Survey Teams will consist of one driver and one monitor both trained as radio operators.

b. Dosimetry

(1) Film Badges will be issued on the following basis:

(a) One per VIP.

(b) One per individual not in a group or who may operate separately. One for each permanent party individual.

(c) One per twelve men in a group, of official observers.

(2) Pocket Chamber Dosimeters will be issued as follows:

(a) One per VIP

(b) One per Radiological Survey Team.

(3) For additional information on photodosimetry (film badges), see Memo Nr. 17 SOP for Photodosimetry, Film Badge, this headquarters, 11 Feb 55.

c. Radiac Survey Meters will be issued on the following basis:

(1) AN/PDR TLB

(a) Two per Radiological Survey Team.

(b) Two per decontamination station.

(2) AN/PDR 27A Radiac Survey Meters.

(a) Ten per decontamination station.

(b) One per Radiological Survey Team.

(c) Thirty per Personnel & Vehicle Monitoring Team.

d. Personnel & Vehicle Monitoring and Decontamination. (See Appendix 2)

e. Emergency Evacuation. (See Annex H)

f. Each Radiological Survey Team will have the following equipment:

1 - 1/4 Ton Truck w/radio.

2 - AN/PDR TLB.

2 - AN/PDR 27A

2000' -- Engineer Tape.

1 - Sledge or single-bit axe or mul.

1 - Grease pencil (dark color).

1 - Field phone with clip contacts.

1 - Compass.

1 - Flashlight.

1 - Contamination Marker, 1r/hr, (on stake)

1 - Contamination Marker, 3r/hr, (on stake)

8 - Contamination Markers, 5r/hr (on stakes)

1 - Contamination Marker, 20mr/hr, (on stake)

5 - Contamination Markers, Blank (on stake)

3. The maximum total tolerance dosage that an individual will be allowed to assimilate in Desert Rock VI is 6r, with no more than 3r prompt radiation. Maximum overpressure for personnel is 5 lbs/sq in. Maximum thermal radiation is 1 caloric per sq cm.

4. Means of communication between motorized Radiological Survey Teams and the Rad Safe Officer will be by radio. Alternate means will be by telephone. Buried phone wire will be laid down the pie segment boundary roads from the troop trenches to within 1,000 yds of Ground Zero. Terminals to these lines will be established on stakes at 500 yd intervals between a point 1,000 yds from Ground Zero and 3500 yds from Ground Zero.

5. Personnel vehicles will not enter areas with intensities of 20mr/hr or higher.

6. All Permanent Party personnel present in the pie segment on shot days will be equipped with dust respirators, provided the nature of their duties require them. The respirators will be donned only if breathing becomes difficult due to excessive dust or if dust in the eyes affects vision or comfort. Protective masks (gas masks) are considered suitable substitutes.

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7. Flare Pots located on the ground near the ends of the personnel trenches before the shot will be extinguished and placed in the trenches prior to the detonation.

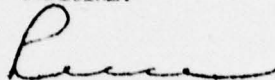
WYMAN  
Lt Gen

APPENDICIES:

1. Route of Radiological Survey Teams.
2. Personnel and Vehicle Monitoring and Decontamination.

DISTRIBUTION: Special

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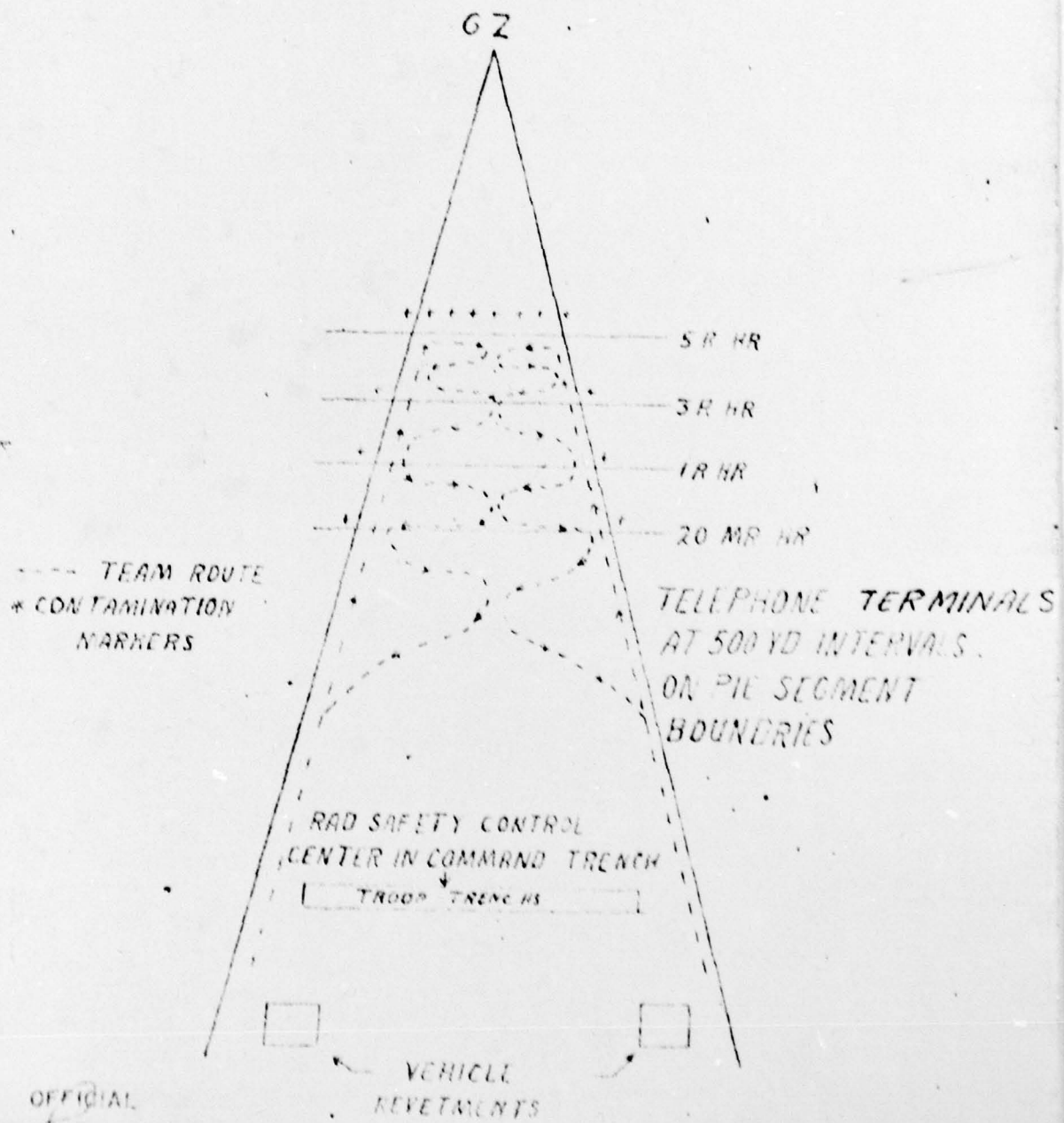


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APPENDIX I TO ANNEX D  
(RAD-SAFE) OPERATION ORDER NR 5

HQ EXERCISE DESERT ROCK VI  
(872536) NEVADA  
101200 MARCH 1955



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Hq Exercise Desert Rock VI  
(872536) Nevada  
101200 March 1955

APPENDIX 2 (Personnel and Vehicle Monitoring and Decontamination) TO ANNEX D  
TO OPERATION ORDER NR 5

1. PURPOSE

To establish procedures for the monitoring and decontamination of personnel and vehicles against radiological contamination.

2. DEFINITION

Radiological contamination is the deposit of dust or dirt containing radioactive materials upon the surface of the skin, clothing, vehicles, or equipment. Decontamination consists of the removal of this dust or dirt by brushing, sweeping, washing, or abrasion.

3. EXECUTION

Before personnel are entrucked at the entrucking point to leave the trench area, all personnel and vehicles will be swept off with brooms, and then surveyed for radiation contamination. Rad Safe personnel will conduct the survey augmented by a 20 man monitoring team with AN/PDR 27A Radiac instruments from the 50th CHL Platoon (Svc). If the maximum tolerance intensity is still 20 mr/hr or greater, the vehicle or person concerned will again be swept off with a broom in another attempt to lower the intensity by removing the dust or dirt. If this fails to lower the intensity below 20 mr/hr, the individual or vehicle concerned will be taken to the decontamination station located approximately 1000 yards north of the CP at Yucca Pass. (846888) Here a re-survey will be taken and if the intensity is still 20 mr/hr or greater decontamination procedures will be administered by showering the individual or washing the vehicle. Each personnel carrier vehicle will be equipped with two brooms, provided by the operating agency. The group leader is responsible for decontamination of his personnel and vehicle.

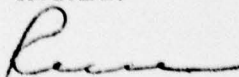
4. Radiological survey of personnel and vehicles will be conducted by holding the probe of the AN/PDR 27A two inches from the surface being surveyed. Particular attention will be paid to the individuals shoes, eyebrows, hairline and hands.

[REDACTED]

5. Other than the showering and washing facilities at the decontamination station, brushes, containers of soapy water and rinse water will be present for cleaning shoes. The stations will have 10 each AN/PDR 27A, 2 each AN/PDR T1B, and 20 each brooms. Clothing and shoes will be provided by CM to replace contaminated items. Shipping tags and string will be on hand for marking and tying the individuals contaminated clothes.

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(872536) Nevada  
101200 March 1955

ANNEX E TO OPERATION ORDER NR 5

TENTATIVE TIME	ADJUSTED TIME	INSTRUCTIONS
H-12 hrs	D-1 day	532d FA Closed in area afternoon prior to D-day see ANNEX F.
0015	H-5:00	Reveille
0030 to 0130	H-4:45 H-3:45	Breakfast
0200	H-3:15	Control Group Depart to Group Commander at flag pole, Depart on order, clearing Mercury check pt Nr 2 prior to 0220.
0200	H-3:15	Observers Muster by vehicle Commander checked for film badges and loaded on vehicles.
0219	H-2:56	Depart Camp Desert Rock
0224	H-2:51	Arrive Main Gate (IP)
0230	H-2:45	Arrive Mercury ck Pt Nr 1
0235	H-2:40	Arrive Mercury ck Pt Nr 2
0315	H-2:00	Arrive CP Yucca Pass
0317	H-1:58	Arrive Mercury ck Pt Nr 4
0345	H-1:30	Arrive Detrucking Area
0350	H-1:25	Hot Coffee
0415	H-1:00	Vehicles Arrive Parking area
0415	H-1:00	Observers Oriented and placed in trenches
0513	H-0:02	Siren Signal - Turned to Crouch in trenches
0515	H-Hour	SHOT
0525	H-0:10	Red Safe depart to Comply with Annex D
0535	H-0:20	Observers depart for walk through display area
0635	H-1:20	Observers assemble, brushed off, Load Vehicles



[REDACTED] Exercise Desert Rock VI  
(S70036) Nevada  
101000 March 1955

ANNEX F (FA Location Burst) TO OPERATION ORDER NR 5

1. PURPOSE

The 43rd FA Bn (Obsr) (-) will conduct sound ranging, flash ranging, and radar ranging during the course of Exercise Desert Rock VI.

2. MISSION

To determine if the Field Artillery Battalion (Observation) can determine the location of ground zero and height of burst of atomic blasts using normal tactical employment of equipment either now available or readily accessible to the battalion.

3. EXECUTION

a. The location of flash observation party, flash CP's sound microphones, and sound CP's and access (egress) roads for each installation are as shown on attached overlays.

b. All installations will be manned from H-12 until after the location has been plotted unless sooner evacuated on orders. Radio silence will be maintained and vehicle engines will not be run from H-30 minutes until H+ 15 minutes.

c. Primary communications between all occupied installations will be by wire (2 lines). Alternate means of communications will be by radio.

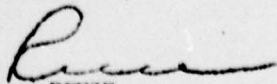
d. Battery Commander will be responsible to evacuate all personnel in event of emergency evacuation. He will notify the Control Commander when evacuation is complete.

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Lt Gen

APPENDIX I Locator Burst

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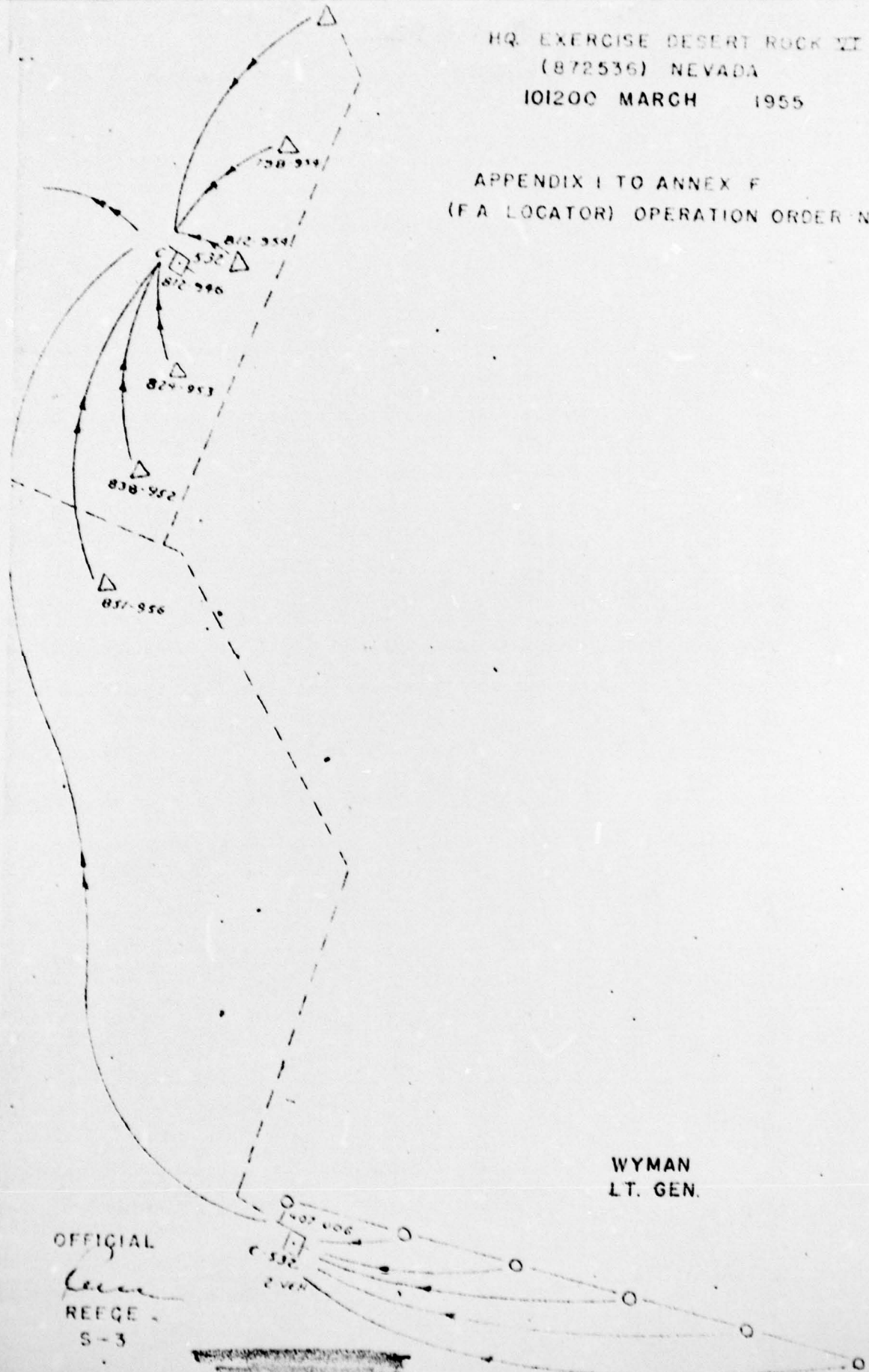


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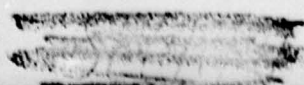
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APPENDIX I TO ANNEX F  
(FA LOCATOR) OPERATION ORDER NR 5



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Hq Exercise Desert Rock VI  
(872536) Nevada  
101200 March 1955

ANNEX G (M.P. Control) TO OPERATION ORDER NR 5

1. MISSION

a. To provide direction and control of Military vehicles in serials in the Nevada Proving Ground area during Exercise Desert Rock VI, shot "APPLE".

2. OPERATIONAL TASKS

a. The Provost Marshal, Exercise Desert Rock VI, will be responsible for the implimentation of the plan outlined herein.

b. The Commanding Officer, Company C, 505th M.P. Battalion will provide necessary personnel and equipment to accomplish tasks as proscribed herein.

3. DETAILED PLANS

a. The Provost Marshal (or Assistant Provost Marshal) will be with the Command Group (1/4 Ton 4x4 with radio and driver). The vehicle will proceed to the parking area and after the shot will return for use of Provost Marshal at trench area.

b. The operations Sergeant will place Military Police on posts enroute to parking areas (Through dismount point), thirty minutes prior to first serial reaching post #1. (Yucca Pass). Post #1, #2, #3, #4, #5, #6, #7, #8 (Total 9 E.M.)

c. After all clear the operations Sergeant will proceed from parking area and place Military Police on posts for return trip to Camp Desert Rock (thru trench area and display area), prior to movement of vehicles from parking area to trench area. Posts #3, #7, #2, #3, #4, #5, #6, (Total 8 E.M.)

d. The Assistant Provost Marshal (or the Provost Marshal), will in the last vehicle of the last serial, pick up Military Police on Posts #8, #7, #2, #3, #4, #5, #6 (total 8 E.M.), (with exception of M.P. on post #1, at Yucca Pass who will remain at Yucca Pass thru shot), enroute to parking area and will remain with Military Police in parking area until all clear is given.

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On return trip he will pick up all Military Police including posts #8, #7, #4, #10, #9, #5, #6, #3, #2, #1 (Total 11 E.M.)

e. (1) The Commanding Officer Company C, 505th Military Police Battalion will with Military Police for Posts #9, #10, (2 E.M.) ride in the observers serial and go into the observers trench.

(2) After the shot the Commanding Officer, A Company will upon designation of positions by the S-3, post #9 and #10 to control access roads.

These Military Policemen will remain on their posts until picked up by Military Police Bus.

f. Posts for Military Police for Exercise Desert Rock VI, "APPLE", will be as follows: (see strip map attached).

(1) Enroute from Camp Desert Rock to Trench Area and to Parking Lot,  
Post 1 - 8 (9 E.M.)

TCP NR 1 - Yucca Pass - Guide Straight Ahead.

TCP NR 2 - Guide "Left", after unloading Guide "Right".

TCP NR 3 - Guide "Straight Ahead", after unloading Guide "Right".

TCP NR 4 - Guide "Left".

TCP NR 5 - Guide "Left".

TCP NR 6 - Guide "Left".

TCP NR 7 - Guide "Right" Entrance to Parking Lot.

TCP NR 8 - Parking Lot, turn vehicles around facing direction they came by serials.

(2) Leaving from parking area to trench area and return to Camp Desert Rock, Posts #8, #7, #4, #9, #10, #5, #6, #3, #2, #1, (11 E.M.)

TCP NR 8 - Guide vehicles to main road by serial.

TCP NR 7 - Guide "Left".

TCP NR 2 - Guide "Left", after pickup Guide "Right".

TCP NR 3 - Guide "Straight Ahead", after pickup Guide "Right".

TCP NR 4 - Guide "Right".

TCP NR 9 - Posted at direction of S-3 or R&D-S&FE by Capt. Martin, Guide "Left".

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TCP NR 10 - Posted at direction of RMD-SAFE or S-3 by Capt  
Martin, Guide "Left".

TCP NR 5 - Guide "Right".

TCP NR 6 - Guide "Left".

TCP NR 1 - Count number of serialized vehicles. Turn report in  
to Assistant Provost Marshal.

g. Military Police on posts will not interfere with non-serial vehicles  
but will endeavor to cross infiltrate at road junctions, civilian vehicles  
will have priority of right of way.

#### 4. REQUIREMENTS

a. Personnel - 3 Officers, 1 NCO, 16 Military Police.

b. Vehicles - One (1) 1/4 Ton 4x4, (Provost Marshal), with radio, with  
driver. Three (3) 1/4 Ton 4x4 (S-3 Section) with radio, with driver. One (1)  
1/4 Ton 4x4 (S-3), with radio, with driver.

#### 5. ADMINISTRATIVE REQUIREMENTS

a. All Military Police personnel participating in this operation will  
draw film badges.

b. Military Policemen provided flare pots will be responsible for light-  
ing them, putting out the flame and returning them to Company C, 505th Military  
Police Battalion. (9 flares will be required, 1 each Military Policeman on post).

c. Military Policemen will be provided with either traffic batons or  
flashlights.

d. Uniform will be Class "C", with helmet liners, canteen and belt  
with cup, and without sidearms.

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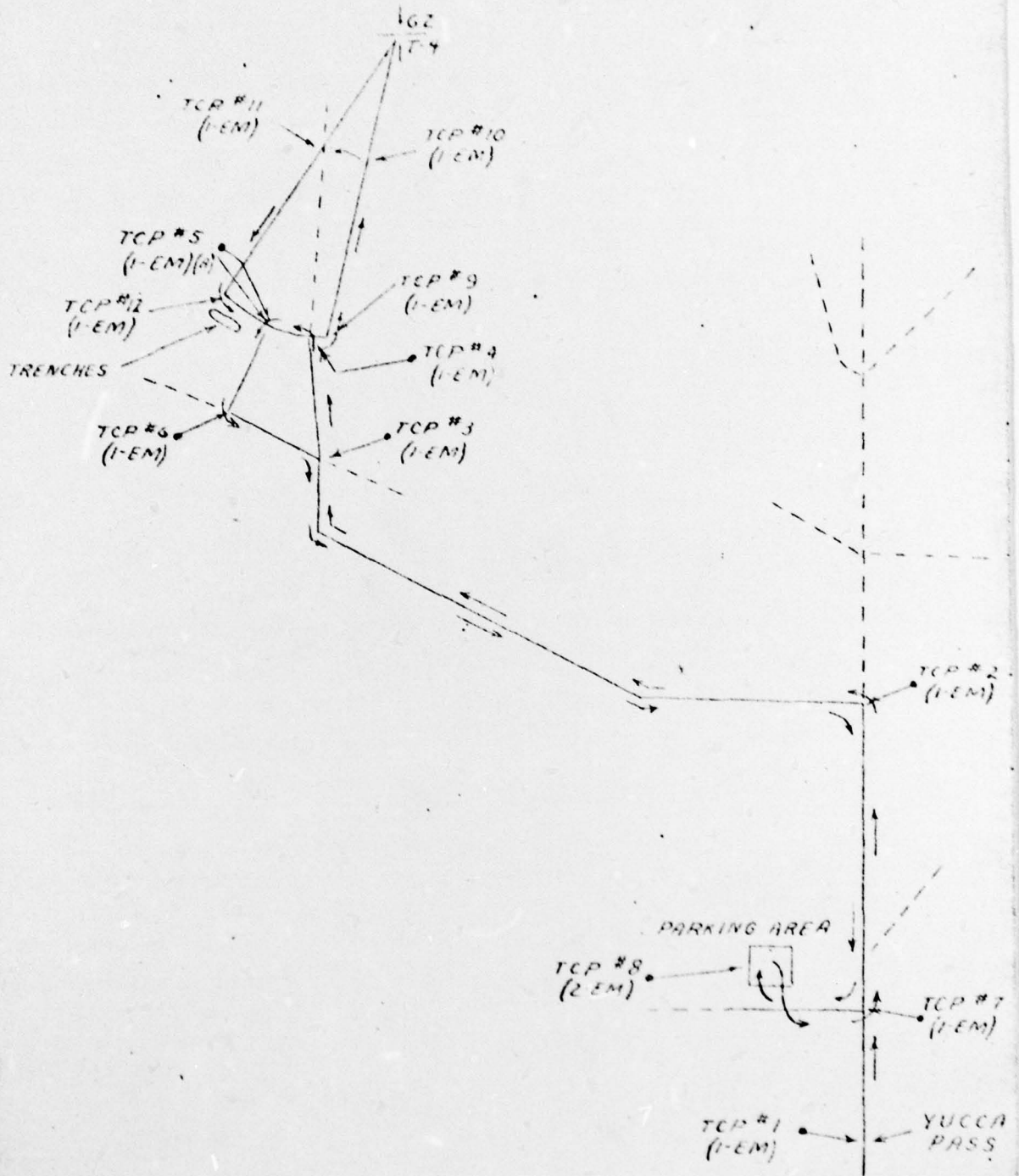
APPENDIX:  
1. Route Map

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APPENDIX I ANNEX G  
(M.P. CONTROL) OPERATION ORDER NR 5

HQ EXERCISE DESERT ROCK XI  
(872536) NEVADA  
101200 MARCH 1955



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Hq Exercise Desert Rock VI  
(872536) Nevada  
10100 March 1955

ANNEX H (Emergency Evacuation Plan) TO OPERATION ORDER NR 5

1. MISSION

This annex outlines the procedure to be followed to accomplish the total evacuation of the forward area during Exercise Desert Rock VI. The Deputy Exercise Director through the control Group Commander, will direct the implementation of this plan.

2. EXECUTION

Personnel will be prepared to execute a total evacuation of the forward area at any time during D-Day.

a. The direction of evacuation will be to the South to a designated place of safety in the following order:

- (1) Assembly area "A" (846878)
- (2) Check Gate NR 2 CP Mercury (914605)
- (3) Camp Desert Rock Motor Pool (872537)

b. Transportation Commanders will be responsible for the movement of their vehicles during the evacuation and for maintaining the proper march unit order of their control.

c. Group Commanders will be responsible for the proper movement and loading of their groups aboard vehicles.

d. The following procedure will be followed for personnel in the ENTRENCHMENT AREA.

(1) Group "A" and "B" personnel will assemble and entruck in vehicles under the supervision of the Group Commander.

(2) Control Group will assemble directly behind the control trench and entruck on order of the Control Group Commander.

(3) Provost Marshal will report to Control Commander at the Control Trench.

(4) Vehicles will be dispatched from parking area in march unit order to the entucking area on order of the Control Group Commander.

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e. When personnel are in the display area the procedure will be as follows:

(1) Observer group commanders will move their units to the nearest 500 yard crossroads as directed by the Control Group Commander. The location of the group will be relayed by most expeditious means to officer at Command trench. Officer will in turn call parking area and have vehicles of group dispatched immediately. Vehicles will remain in march unit order throughout the operation.

(2) The column will move under the direction of the transportation commander to the designated place of safety. The interval between vehicles will be normal with no set time between serials.

(3) Battery "C" (-) 532d FA (Obsr) will designate EIASH OP as assembly point. When all personnel are accounted for, Battery Commander will notify Control Group Commander and proceed by most direct route to Camp Desert Rock Motor Pool.

(4) The Control Group will evacuate the test area on order of the Deputy Exercise Director when it is assured that all other groups have been evacuated.

(a) The Control Group Commander will have a check made of the vehicles at the designated rendezvous area.

f. (1) Maximum vehicle speed will be 35 MPH.

(2) Vehicle March Units will remain intact during all movements.

(3) Command, MP, and Medical units will have road priority during the movement.

(4) The decontamination team of the 40th Chem Service Platoon will move mobile and portable decontamination equipment to the designated place of safety to perform such decontamination as directed.

(5) Decontamination of personnel will be carried out on order.

(6) Code designation for the evacuation plan will be "CONDITION RAIN.

(7) "Condition Rain" will be transmitted by most readily available means and will be authenticated by the Camp Desert Rock Red-Sea Officers.

(8) "Condition Rain" will be transmitted to all Groups of Task Force by means available. Siren at command trench will sound groups of seven (7) short blasts, with 30 second intervals between groups.

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

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

3. MEDICAL EVACUATION

a. Aid stations in parking area will cease operation upon the evacuation of all personnel from the forward area and join the control group March Unit.

b. Casualties will be evacuated to the Medical Detachment at Camp Desert Rock.

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

4. MISCELLANEOUS

a. Emergency Signal: Seven (7) short blasts with 30 second interval by siren.

b. Forward CP will move from intrenchment area upon receipt of "Condition Rain". New location to be announced at time of movement.

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