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AUTHORITY  
BY *CS* NARA DATE *1/78*

*29 LHM Bn*

*9c*

*July-Dec 70*

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HEADQUARTERS  
2nd Light Antiaircraft Missile Battalion  
Marine Air Control Group 38  
3rd Marine Aircraft Wing, FMFPac  
Twentynine Palms, California 92278

03:FCT:ale  
5750  
8 Jan 71

From: Commanding Officer  
To: Commanding Officer, Marine Air Control Group 38  
Subj: Command Chronology; submission of,

Ref: (a) WgO 5750.1D  
(b) GruO 5751.1A

- Encl: ✓(1) Command Chronology for period 1 July 1970 to 31 December 1970.
- ✓(2) Detachment Alpha, Command Chronology for period 1 July 1970 to 31 December 1970.
- ✓(3) 1st & 3rd Redeye Platoon, Command Chronology for period 1 July 1970 to 31 December 1970.

1. In accordance with reference (a) and (b), enclosure (1), (2) and (3) are submitted.

*L. A. Sollberger*  
L. A. SOLLBERGER

2nd LAMP BN

ENCLOSURE (3)

JULY-DEC 1970

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HEADQUARTERS  
2nd Light Antiaircraft Missile Battalion  
Marine Air Control Group 38  
3rd Marine Aircraft Wing, FMFPac  
Twentynine Palms, California 92278

COMMAND CHRONOLOGY REPORT

1 July 1970 to 31 December 1970

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PART I

ORGANIZATIONAL DATA

1. DESIGNATION  
 (RUC 22960)

2nd Light Antiaircraft Missile Battalion

COMMANDER

Major L. A. SOLLBERGER  
 1 Jul 70 to 31 Dec 70

SUBORDINATE UNITS

Detachment Alpha

Major J. W. SPIVEY  
 1 Jul 70 to 31 Dec 70

1st Redeye Platoon

1stLt. R. E. HAMANN  
 1 Jul 70 to 31 Aug 70  
 1stLt. K. E. ROWE  
 1 Sep 70 to 31 Dec 70

3rd Redeye Platoon

2ndLt. F. C. THOMAS  
 1 Jul 70 to 31 Aug 70  
 1stLt. K. E. ROWE  
 1 Aug 70 to 20 Sep 70  
 2ndLt. J. B. DOWLING  
 21 Sep 70 to 31 Dec 70

H&S Battery

Capt. F. H. ROBERTS  
 1 Jul 70 to 31 Jul 70  
 Capt. T. R. SHINE  
 31 Jul 70 to 30 Nov 70  
 1stLt. A. J. WALZ  
 1 Dec 70 to 31 Dec 70

Sub Unit #1 of H&S

2ndLt. D. S. HEMPHILL  
 1 Jul 70 to 23 Oct 70  
 1stLt. D. J. KULIG  
 24 Oct 70 to 22 Nov 70  
 2ndLt. D. A. BRAY  
 23 Nov 70 to 31 Dec 70

Battery "A"

Capt. B. S. BOFENKAMP  
 1 Jul 70 to 31 Jul 70  
 1stLt. G. S. BUCKLIN  
 1 Aug 70 to 30 Nov 70  
 1stLt. R. E. GRIMM  
 1 Dec 70 to 31 Dec 70

Battery "B"

Capt. A. O. CRAVETS  
 1 Jul 70 to 31 Dec 70

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Battery "C"

1stLt. C. W. CLARK  
 1 Jul 70 to 22 Oct 70  
 2ndLt. G. E. SMITH  
 23 Oct 70 to 31 Dec 70

Battery "D"

1stLt. D. J. KULIG  
 1 Jul 70 to 22 Oct 70  
 2ndLt. C. S. GRELECKI  
 23 Oct 70 to 31 Dec 70

2. LOCATION

1 July 1970 to 31 December 1970: 2nd LAAM BN - MCB Twentynine Palms, California; Detachment Alpha 2nd LAAM BN, MCAS Yuma, Arizona.

3. STAFF OFFICERS

Battalion Executive Officer

Major J. K. TAYLOR  
 1 Jul 70 to 31 Dec 70

S-1 Officer

Capt. R. F. K. LINN  
 1 Jul 70 to 31 Dec 70

S-2/S-3 Officer

Capt. H. J. BARBER  
 1 Jul 70 to 31 Dec 70

S-4 Officer

1stLt. M. D. SHANNON  
 1 Jul 70 to 25 Oct 70  
 Capt. G. DURAZO  
 26 Oct 70 to 31 Dec 70

Supply Officer

1stLt. F. D. SETH  
 1 Jul 70 to 2 Aug 70  
 Capt. C. DORAZO  
 3 Aug 70 to 14 Dec 70  
 WO-3 R. A. DESJARLAIS  
 15 Dec 70 to 31 Dec 70

Motor T Officer

1stLt. F. J. FALGOUT  
 1 Jul 70 to 27 Aug 70  
 GySgt A. HARRIS Jr.  
 28 Aug 70 to 16 Oct 70  
 Capt. P. T. KEARNEY  
 17 Oct 70 to 31 Dec 70

Weapons System Maintenance Officer

Capt. G. C. SCHLEUSNER  
 1 Jul 70 to 31 Dec 70

Communications Officer

Capt. D. W. BLAIR  
 1 Jul 70 to 31 Dec 70

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Detachment Alpha

S-1 Officer

CWO-2 W. F. GREEN  
 1 Jul 70 to 14 Jul 70  
 Capt. L. G. MALONE  
 15 Jul 70 to 31 Dec 70

S-2/S-3 Officer

Capt. L. G. MALONE  
 1 Jul 70 to 14 Jul 70  
 Capt. J. W. MCGEE  
 15 Jul 70 to 31 Dec 70

S-4 Officer

1stLt. R. L. SANFORD  
 1 Jul 70 to 30 Sep 70  
 CWO-3 R. D. MILLER  
 1 Oct 70 to 31 Dec 70

Supply Officer

1stLt. R. L. SANFORD  
 1 Jul 70 to 30 Sep 70  
 CWO-3 R. D. MILLER  
 1 Oct 70 to 31 Dec 70

Motor T Officer

1stLt. R. L. SANFORD  
 1 Jul 70 to 20 Jul 70  
 CWO-3 R. D. MILLER  
 21 Jul 70 to 31 Dec 70

Communications Officer

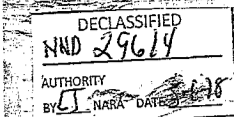
Capt. L. G. MALONE  
 1 Jul 70 to 14 Jul 70  
 Capt. J. W. MCGEE  
 15 Jul 70 to 30 Nov 70  
 1stLt. H. D. HOCKADAY  
 1 Dec 70 to 31 Dec 70

Weapons System Maintenance Officer

CWO-3 J. P. HEDRICK  
 1 Jul 70 to 31 Dec 70

4. AVERAGE MONTHLY STRENGTH

	<u>USMC</u>		<u>USN</u>		<u>OTHER</u>	
	<u>OFF</u>	<u>ENL</u>	<u>OFF</u>	<u>ENL</u>	<u>OFF</u>	<u>ENL</u>
JUL	38	803	1	13		NONE
AUG	38	808	1	14		NONE
SEP	39	795	1	14		NONE
OCT	38	792	1	14		NONE
NOV	40	782	1	14		NONE
DEC	41	748	1	14		NONE



## PART II

NARRATIVE SUMMARY

During the month of July 1970 the Redeye LADS Tests at Yuma Proving Grounds was completed and termed a complete success. Both the 1st and 3rd Redeye Platoons returned to MCB 29 Palms, California without incident. On 31 July 1970 Captain T. R. SHINE relieved Captain F. H. ROBERTS as H&S Battery Commanding Officer and Captain ROBERTS was released from active duty. 1st Lieutenant G. S. BUCKLIN then assumed command of "A" Battery on 1 August 1970, vice Captain B. S. BOFENKAMP relieved, and Captain BOFENKAMP was subsequently transferred to WesPac. Detachment "A" meanwhile joined several new officers: 2nd Lieutenant E. L. SIMMONS, 2nd Lieutenant D. A. BRAY, 1st Lieutenant J. M. ROMICK and CWO-3 R. D. MILLER. CWO-2 W. F. GREEN of Detachment "A" was retired at Yuma on 31 July 1970, and in an awards ceremony held at a later date Gunnery Sergeant M. R. PICARILLO of Detachment "A" was presented the Navy Achievement Medal with Combat "V" for meritorious service in Vietnam. In an effort to enhance the training and administration of the Redeye Platoons, the 3rd Redeye Platoon was transferred from "A" Battery to "B" Battery and the two Platoons were set-up as a sub unit of "B" Battery. WSM held a technical inspection on Batteries "C" and "D" at Yuma and reportedly the results were quite good.

During August, H&S Battery, "A" Battery, and "B" Battery was committed to supporting MARMTD in the execution of 4th LAAM Battalion's ATD at both Camp Pendleton and MCB 29 Palms. Shortly thereafter "A" Battery was tasked to send a Battery Control Central and three (3) technicians to MACS-3 at Santa Ana to participate in an MTDS acceptance test. "C" Battery hosted a presentation and tour of the Battalion area for members of 1st Battalion 23rd Marines, a Reserve unit from Houston, Texas. On 1 August 1970 1st Lieutenant K. E. ROWE relieved 2nd Lieutenant F. C. THOMAS as Platoon Commander of the 3rd Redeye Platoon and 2nd Lieutenant THOMAS departed for the HAWK Officer's Qualification Course at Fort Bliss, Texas. Under 1st Lieutenant ROWE's leadership twenty-six (26) Redeye gunners and communication personnel then deployed to Camp Pendleton to participate in operation "HIGH DESERT". Perhaps the most significant event during the month of August 1970 was the Battalion's I. G. inspection which commenced on 31 August 1970. A vigorous program of supply inventory, re-warehousing and embarkation was conducted just prior to the I. G. Captain C. C. DURAZO relieved 1st Lieutenant F. D. SETH as Battalion Supply Officer on 3 August 1970, and 1st Lieutenant F. J. FALGOUT, the Battalion Motor Transport Officer was transferred on 27 August 1970. 2nd Lieutenant G. W. BEALS, and Captain S. E. STOTE were joined at Detachment "A" during this month and Sergeant H. M. KIRKLAND received the Navy Commendation Medal with Combat "V". Also at Detachment "A" 1st Lieutenant J. M. ROMICK was released from active duty.

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Immediately following the I. G. inspection the remainder of the month of September 1970 found everyone busily preparing for the Battalion FIREX to be conducted in October 1970. "B" Battery deployed to Capehart Ridge for operational training and the Battalion participated in a Base Parade held in honor of the Commandant of the Marine Corps. 1st Sergeant S. H. PIERCE relieved 1st Sergeant J. W. TURNER as H&S Battery First Sergeant and WO-1 A. J. SOUTHARD, Maintenance Officer of "A" Battery was transferred to WesPac. 2nd Lieutenant J. B. DOWLING reported aboard and was assigned as Platoon Commander of the 1st Redeye Platoon. Redeye continued their requalification program by requalifying ten (10) Redeye gunners at MCB. Detachment "A" concluded their phase of the I. G. and commenced preparing for the October FIREX. 1st Lieutenant G. A. DOORE of Detachment "A" was released from active duty and 2nd Lieutenant C. S. GRELECKI reported-in from HAWK school at Fort Bliss.

On 1 October 1970 the entire Battalion deployed to Colfred Airstrip, TACNA, Arizona for its annual FIREX. The Battalion was supported by MACS-1, MACS-7, and VC-3. Extensive training was realized utilizing both the manual and automatic modes of operation. Once the Battalion's missiles were successfully expended, the unit returned to MCAS Yuma and MCB 29 Palms. Support provided the Battalion was considered excellent. Upon arriving back at MCB 29 Palms, the yearly FSAO inspection was held and Brigadier General BROWN and Colonel SHIELDS visited the Battalion at both MCB and MCAS Yuma. Brigadier General BROWN is currently the Assistant Wing Commander of the 3rd MAW. At Detachment "A" 1st Lieutenant R. L. SANFORD was released from active duty and 2nd Lieutenant G. B. GABLE joined. "B" Battery provided a static display of HAWK equipment, plus a Redeye display at MCAS El Toro as part of a special instructional project. Redeye further conducted .50 caliber machine gun training at MCB.

During November Batteries "C" and "D" deployed to Colfred Airstrip, TACNA, Arizona for the purpose of conducting an AAWEX and comprehensive field training. At MCB 29 Palms, the Battalion was required to move from their present location aboard MCB into the spaces previously occupied by 1stLAAM Battalion. An orderly and expeditious move was accomplished. Captain P. T. KEARNY was awarded the Navy Commendation Medal with Combat "V" at ceremonies conducted at MCB 29 Palms. "C" Battery held a Halloween Party for children of Parkview Baptist Hospital in Yuma, and numerous personnel of all Batteries of the Battalion participated in ceremonies for the Marine Corps Birthday. Toward the later part of the month Batteries "C" and "D" moved to the newly completed Desert Air Defense Training Complex at Yuma with WSM in support. Seven (7) Redeye gunners were requalified during this period. At Detachment "A" 1st Lieutenant D. A. BRAY relieved 1st Lieutenant D. J. KULIG as SU #1 H&S Battery Commander and 1st Lieutenant H. D. HOCKADAY was joined.

The final month of the reporting period was especially busy and a time of much re-organization and personnel re-assignment. Batteries "C" and "D" as well as SU #1 H&S Battery of Detachment "A" conducted an NBC and gas chamber exercise at MCAS Yuma with a 90% participation, and the GMS exemption test was administered to the entire Battalion. Batteries "C" and "D" deployed on two (2) separate occasions for an AAWEX and were visited at the Desert Site by Colonel J. W. DRURY. The Re-location and organization of units at MCB 29 Palms, continued satisfactorily, and plans were finalized for transferring the Redeye Platoons to MCAS El Toro



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during January. At MCB 1st Lieutenant F. P. NOVAK was joined and assigned as Executive Officer H&S Battery, and 1st Lieutenant A. J. WALZ re-assigned as H&S Battery Commanding Officer. 1st Lieutenant R. E. GRIMM relieved 1st Lieutenant G. S. BUCKLIN as Commanding Officer of "A" Battery, as 1st Lieutenant BUCKLIN is scheduled for transfer to WesPac. 2nd Lieutenants W. D. SUTTON, W. C. SCHILD, T. G. FOX and P. J. GIACINITI were joined. WO-3 R. A. DESJARLAIS relieved Captain C. C. DURAZO as Battalion Supply Officer and Captain DURAZO was re-assigned as the Battalion S-4. At MCB 29 Palms, Major L. A. SOLLBERGER personally conducted a safety lecture at each of the Batteries and at Detachment "A". The Arizona State Highway Patrol delivered the Holiday Safety address. The Holiday Leave period commenced on 18 December 1970.

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PART III

SEQUENTIAL LISTING OF SIGNIFICANT EVENTS

- 02 July 1970 2ndLt E. L. SIMMONS joined the Detachment. Battalion participated in MCB 29 Palms Base Awards Ceremony Parade.
- 03 July 1970 LADS test completed.
- 07 July 1970 Capt G. C. DURAZO joined the Battalion
- 09 July 1970 1stLt J. M. ROMICK joined the Detachment from WesPac.
- 10 July 1970 Battalion Commander's Inspection
- 12 July 1970 CWO-3 R. D. MILLER joined the Detachment.
- 15 July 1970 Capt L. G. MALONE assumed duties as Detachment S-1, Capt J. W. MCGEE assumed duties as Detachment S-2/S-3, and Communications Officer. 2ndLt D. A. BRAY joined the Detachment.
- 21 July 1970 CWO-3 R. D. MILLER assumed duties as Detachment Motor Transport Officer. GySgt M. R. PICARELLO received the Navy Achievement Medal with Combat "V".
- 23 July 1970 Hawk Maintenance held a T.I. on "C" Battery.
- 24 July 1970 Hawk Maintenance held a T.I. on "D" Battery.
- 28 July 1970 3rd Redeye Platoon transferred to "B" Battery.
- 31 July 1970 Capt T. R. SHINE assumed command of H&S Battery. CWO-2 W. F. GREEN retired.
- 01 August 1970 1stLt G. S. BUCKLIN assumed command of "A" Battery. 1stLt K. E. ROWE took command of 3rd Redeye Platoon.
- 03 August 1970 Capt G. C. DURAZO assumed duties as Battalion Supply Officer.
- 06 August 1970 Battalion sent equipment to Camp Pendleton in support of 4th LAAM Battalion's Annual Training Duty.
- 13 August 1970 Wing Technical Training Inspection
- 15 August 1970 3rd Redeye deployed to Camp Pendleton for Reserve problem Operation High Desert.
- 17 August 1970 "A" Battery sent an AN/TSW-2 (Battery Control Central) and three (3) Technicians to Santa Anna for MTDS tests. Major BRANNAN, OIC of 1st Battalion, 23rd Marines and twelve (12) enlisted given tour of LAAM Bn Operations at Detachment "A".

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18 August 1970      MACG-38 Technical Training Inspection and Staff visit at Detachment Alpha.

20 August 1970      2ndLt G. W. BEALS joined the Detachment.

21 August 1970      Sgt H. M. KIRKLAND received the Navy Commendation Medal with Combat "V".

26 August 1970      Capt S. E. STOTE joined the Detachment.

28 August 1970      GySgt A. HARRIS Jr. took over duties as Motor Transport Officer.

31 August 1970      I.G. Inspection

01 September 1970    I.G. Inspection at Detachment Alpha. 1stLt K. E. ROWE assumed command of both Redeye Platoons.

08 September 1970    "B" Battery deployed to Capehart Ridge for training. WO-1 A. J. SOUTHARD transferred to WesPac.

10 September 1970    "B" Battery participated in CMC Parade. 2ndLt J. B. DOWLING, C. S. GRELECKI and F. C. THOMAS III returned from Hawk Officers Qualification Course.

13 September 1970    1stLt G. A. DOORE released from active duty.

14 September 1970    "A" Battery PFT.

21 September 1970    2ndLt J. B. DOWLING took over 3rd Redeye Platoon.

26 September 1970    2ndLt J. BAUCH joined unit.

28 September 1970    Battalion Firex at Tacna, Arizona. (Ref; Bn Op Order 2-70) Encl.2.

30 September 1970    Ten (10) Redeye Gunners requalified at school held at MCB 29 Palms, California.

01 October 1970      CWO-3 R. D. MILLER assumed duties as Detachment S-4 and Supply Officer.

08 October 1970      1stLt R. L. SANFORD released from active duty.

10 October 1970      Firex concluded. Both Manual & Automatic Systems were used in firing.

13 October 1970      1stLt A. J. WALZ joined unit. 1st & 3rd Redeye given school on .50 Caliber Machinegun. A .50 Caliber shoot was also held. Capt P. T. KEARNEY joined unit.

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19 October 1970 "B" Battery sent a Loader Transporter and three (3) Missiles to MACG-38 for display.

20 October 1970 2ndLt G. P. GABLE Jr. joined the Detachment.

21 October 1970 Gen BROWN, Assistant Wing Commander, visited Detachment Alpha. Battalion underwent a FASO Phase II Inspection. CO MACG-38 and Staff visited Detachment Alpha.

23 October 1970 2ndLt G. E. SMITH and C. S. GRELECKI took command of "C" and "D" Batteries respectively.

26 October 1970 Capt C. G. DARZO assumed duties as Battalion S-4.

29 October 1970 H&S Battery relocated barracks from 1400 area to buildings 1611, 1612 and 1626.

01 November 1970 "C" Battery held party at Parkview Baptist Hospital, Yuma, Arizona, for children who were unable to get out on Halloween.

02 November 1970 "B" Battery completed moving from building 1615.

04 November 1970 Seven (7) enlisted requalified and one (1) Officer qualified in a Redeye shoot. 3rd MAW DDNIE team held a lecture at Detachment Alpha.

06 November 1970 "A" Battery Missile Park moved to 1800 area. Capt P. T. KEARNEY received the Navy Commendation Medal with Combat "V".

09 November 1970 "A" Battery office and barracks moved to building 1631.

10 November 1970 "B" Battery provided Color Guard for Marine Corps Birthday Ceremony.

16 November 1970 Detachment Alpha AAWEX at Tacna, Arizona (Ref; Detachment Op Order 6-70) Encl. 2.

21 November 1970 1stLt D. S. HEMPHILL returned from Embarkation School and Course at Coronado, California.

23 November 1970 "C" and "D" Batteries plus Sub Unit WSM deployed to Yuma, Arizona Desert Air Defense Training Complex. 2ndLt E. L. SIMMONS and 1stLt D. A. BRAY returned from Hawk School. 1stLt D. A. BRAY assumed command of Sub Unit #1, H&S Battery.

25 November 1970 1stLt H. D. HOCKADAY joined the Detachment.

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01 December 1970

1stLt R. E. GRIMM assumed command of "A" Battery.  
 1stLt A. J. WALZ assumed command of H&S Battery.  
 1stLt M. D. HOCKADAY became Communications Officer  
 at Detachment Alpha. 1stLt F. P. NOVAK, 2ndLt W. D.  
 SUTTON and WO-3 R. A. DESJARLAIS joined the unit.  
 1stLt D. J. KULIG was released from active duty. "B"  
 Battery sent an AN/TSW-2 (Battery Control Central) and  
 four (4) Technicians to Litton Industries for MTDS test  
 lasting seven (7) days. All Redeye gear and personnel  
 ready for transfer to MCAS, El Toro by 18 January 1971.

04 December 1970

Detachment Alpha NBC exercises with 90% participation.  
 2ndLt P. J. GIACINITI Jr. joined the Detachment. 1stLt  
 A. J. WALZ received the Navy Commendation Medal with  
 Combat "V".

08 December 1970

MACG-38 Staff visit.

11 December 1970

MACG-38 Staff visit.

15 December 1970

WO-3 R. A. DESJARLAIS assumed duties as Battalion  
 Supply Officer.

16 December 1970

Detachment Alpha held one day AAWEX with MACS-1.

17 December 1970

2ndLt W. C. SCHILD joined the unit.

23 December 1970

Detachment Alpha held one day AAWEX with MACS-1.  
 Col. DRURY, CO MACG-38, visited units at MCAS Yuma.  
 2ndLt T. G. FOX joined unit.

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PART IV

SUPPORTING DOCUMENTS

- ✓ Enclosure (2) Detachment Alpha Command Chronology for period 01 July 1970 to 31 December 1970.
- ✓ Enclosure (3) 1st & 3rd Redeye Platoons Command Chronology for period 01 July 1970 to 31 December 1970.

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DETACHMENT ALPHA  
2d Light Antiaircraft Missile Battalion  
MACG-38, 3dMAW, FMFPac  
Marine Corps Air Station  
Yuma, Arizona 85364

03:SRJ;dwk  
5750  
31 December 1970

From: Officer in Charge  
To: Commanding Officer, Marine Air Control Group 38 (Attn:S-3)  
Via: Commanding Officer, 2d Light Antiaircraft Missile Battalion,  
MCB, Twentynine Palms, California 92278

Subj: Command Chronology for period 1 July 1970 to 31 December 1970

Ref: (a) WgO 5750.1D  
(b) GruO 5750.1A

- Encl: ✓(1) Detachment Alpha, 2d Light Antiaircraft Missile Battalion,  
Command Chronology
- ✓(2) 2d LAAM Bn, Operation Order 2-70
- ✓(3) Detachment Alpha, Operation Order 6-70
- ✓(4) Detachment Alpha, Operation Order 7-70

1. In accordance with the provisions of references (a) and (b),  
enclosuer (1) is herewith submitted.

*J. W. Spivey*  
J. W. SPIVEY

DET "A" / 2nd LRAM BN

JULY-DEC 1970

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DETACHMENT ALPHA  
2d Light Antiaircraft Missile Battalion  
MACG-38, 3dMAW, FMFPac  
Marine Corps Air Station  
Yuma, Arizona 85364

COMMAND CHRONOLOGY

1 JULY 1970 TO 31 DECEMBER 1970

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PART I

ORGANIZATIONAL DATA

1. DESIGNATION

COMMANDER

DETACHMENT ALPHA 2d Light Antiaircraft Missile  
 Battalion

Major John W. Spivey

01Jul-31Dec70

SUBORDINATE UNITS

Sub Unit #1 Headquarters & Service Battery

Second Lieutenant Daniel S. Hemphill

01Jul-23Oct70

First Lieutenant Douglas J. Kulig

24Oct-22Nov70

Second Lieutenant Donald A. Bray

23Nov-31Dec70

Battery C

First Lieutenant Clair W. Clark

01Jul-22Oct70

Second Lieutenant Grant E. Smith

23Oct-31Dec70

Battery D

First Lieutenant Douglas W. Kulig

01Jul-22Oct70

Second Lieutenant Charles S. Grelecki

23Oct-31Dec70

2. LOCATION

DETACHMENT ALPHA

01Jul-31Dec70  
 MCAS, Yuma

3. STAFF OFFICERS

S-1 Officer

CWO-2 William F. Green

01Jul-14Jul70

Captain Larry G. Malone

15Jul-31Dec70

S-2/3

Captain Larry G. Malone

01Jul-14Jul70

Captain John W. McGee

15Jul-31Dec70

S-4

First Lieutenant Raymond L. Sanford

01Jul-30Sept70

CWO-3 Robert D. Miller

01Oct-31Dec70

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<b>Supply Officer</b>	
First Lieutenant Raymond L. Sanford	01Jul-30Sept70
CWO-3 Robert D. Miller	01Oct-31Dec70
<b>Meter Transport Officer</b>	
First Lieutenant Raymond L. Sanford	01Jul-20Jul70
CWO-3 Robert D. Miller	21Jul-31Dec70
<b>Communications Officers</b>	
Captain Larry G. Malone	01Jul-14Jul70
Captain John W. McGee	15Jul-30Nov70
First Lieutenant Harold B. Heckaday	01Dec-31Dec70
<b>HAWK Maintenance Officer</b>	
CWO-3 Joe P. Hedrick	01Jul-31Dec70

4. AVERAGE MONTHLY STRENGTH

	USMC		USN		OTHER	
	OFF	ENL	OFF	ENL	OFF	ENL
Jul	16	291	1	9	0	0
Aug	17	296	1	10	0	0
Sept	17	296	1	10	0	0
Oct	17	294	1	10	0	0
Nov	17	286	1	10	0	0
Dec	17	286	1	10	0	0

PART II

NARRATIVE SUMMARY

During this period Detachment Alpha participated in numerous AAWEX's and one FIREX. The detachment joined the Battalion in a FIREX at Colferd Airstrip near Tacna, Arizona. Both the automatic and manual modes were used in firing a total of eight missiles. AAWEX's have been conducted by both batteries deploying to the Colferd Airstrip area near Tacna, Arizona for training in the manual mode. The Batteries, while in garrison at the new Desert Air Defense Training Complex Site, have established Automatic Data Link with MACS-1 for training in the automatic mode.

A total of four officers received training in the HAWK Officers Qualification Course at Ft. Bliss, Texas and returned to this unit. One officer received training in embarkation at NAS Coronado, California.

Nine officers joined this unit: one Captain, seven Lieutenants and one Chief Warrant Officer. Four Lieutenants completed their tour of active duty and were released. One Chief Warrant Officer retired and one Captain was reverted to Chief Warrant Officer.

During September the detachment received an Inspector General's Inspection.

3d MAW held DDNIE lectures at MCAS Yuma and these were attended by all detachment personnel to further an understanding of drugs and narcotics.

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C and D Batteries have been relocated to the new Desert Air Defense Training Complex Site (P-111) which greatly enhances the training capabilities of both units by providing a larger and a more tactically realistic location.

A Halloween party for hospitalized children was given by C Battery at Parkview Hospital in Yuma.

The detachment participated in the United Fund Drive and collected a total of \$974.00 in cash contribution and payroll allotments.

A tour and a presentation of operations was given to a reserve TAC Party.

MACG-38 Commanding Officer and Staff made numerous timely visits to this command during the period.

Presentations were made of Navy Commandation and Navy Achievement Medals with Combat "V". A Sergeant received meritorious promotion in rank.

PART III

SEQUENTIAL LISTING OF SIGNIFICANT EVENTS

- 02 July 1970 Second Lieutenant Evan L. Simmons joined the detachment.
- 03 July 1970 LADS test concluded.
- 09 July 1970 First Lieutenant James M. Romick joined the detachment from WestPac.
- 12 July 1970 CWO-3 Robert D. Miller joined the detachment.
- 15 July 1970 Second Lieutenant Donald A. Bray joined the detachment.
- 21 July 1970 Gunnery Sergeant Michael R. Picarelle received the Navy Achievement Medal with Combat "V".
- 23 July 1970 Hawk Maintenance held a T.I. on D Battery.
- 24 July 1970 Hawk Maintenance held a T.I. on C Battery.
- 31 July 1970 CWO-2 William F. Green retired.
- 17 August 1970 Second Lieutenant Grant E. Smith of C Battery conducted a tour and presentation on the operations of a LAAM Battalion to TAC Party of the first Battalion, 23rd Marines. Major Brennan was the OIC of the reserve unit with twelve enlisted personnel from Houston, Texas.

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18 August 1970 Group-38 conducted a technical training inspection and staff visit.

20 August 1970 Second Lieutenant George W. Beals joined the Detachment.

21 August 1970 Sergeant Hulon M. Kirkland received the Navy Commendation Medal with Combat "V".

26 August 1970 Captain Samuel E. Stote joined the Detachment.

31 August 1970 First Lieutenant James M. Romick was released from active duty.

1 September 1970 The Detachment was inspected by the Inspector General.

10 September 1970 Second Lieutenant Charles S. Grelecki returned from Hawk Officers Qualification Course.

13 September 1970 First Lieutenant Gary A. Doore was released from active duty.

28-30 September 1970 Headquarters 2d LAAM Battalion arrived at Tacna, Arizona with Detachment Alpha to join 2d LAAM Battalion for FIREX 2-70 at Tacna, Arizona. (Ref; Bn. Op Order 2-70) Encl (2).

1-7 October 1970 Operations at Tacna, Arizona included the firing of eight Hawk Missiles. Firing was conducted using both the Manual and Automatic modes.

8 October 1970 Operations were secured at Tacna, Arizona. First Lieutenant Raymond L. Sanford was released from active duty.

20 October 1970 Second Lieutenant George P. Gable Jr. joined the Detachment.

21 October 1970 General Brown, Assistant Wing Commander was aboard for a visit. Included in his visit was the MGAS, Yuma Air Defense Training Complex.

22 October 1970 The Group Commander and Staff visited the Detachment.

1 November 1970 C Battery held a party for the children in the Parkview Baptist Hospital, Yuma, Arizona who were unable to make it out for Halloween.

4 November 1970 Third Marine Air Wing DDNIE Team held a DDNIE lecture for all personnel of the Detachment.

16 November 1970 The Detachment deployed and conducted an AAWEX at the Colfred Airstrip, Tacna, Arizona. (Ref; Detachment Op Order 6-70) Encl. (3).

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- 21 November 1970 First Lieutenant Daniel S. Hemphill returned from Embarkation School at Coronado, California.
- 23-25 November 1970 Batteries C and D plus Hawk Maintenance relocated to MCAS, Yuma, Desert Air Defense Training Complex. Second Lieutenant Evan L. Simmons and First Lieutenant Donald A. Bray returned from Hawk Officer Qualification Course.
- 23 November 1970 First Lieutenant Donald A. Bray assumed command of Sub-Unit #1, H&S Battery.
- 25 November 1970 First Lieutenant Harold D. Hockaday joined the Detachment.
- 1 December 1970 First Lieutenant Doug J. Kulig was released from active duty.
- 4 December 1970 The Detachment held an NBC exercise at the station gas chamber with a 90% participation. Second Lieutenant Phillip J. Giaciniti Jr. joined the Detachment.
- 14 December 1970 Batteries C and D conducted the EST Exemption Test.
- 15 December 1970 Sub-Unit #1 H&S Battery conducted the EST Exemption Test.
- 15-16 December 1970 Detachment Alpha personnel received a safety lecture from the Arizona Highway Patrol Department.
- 16 December 1970 Sergeant Linden B. Sisk of D Battery was selected for promotion to his present rank by the 3rd MAW Meritorious Promotion Board. A one day AAWEX was conducted with MACS-1. First Lieutenant Grant E. Smith was promoted in rank.
- 23 December 1970 Detachment Alpha held one day AAWEX with MACS-1. Colonel Drury, Commanding Officer MACG-38, visited units at the Desert Air Defense Training Complex.

PART IV

SUPPORTING DOCUMENTS

- ✓ Enclosure (2) 2d IAAM Battalion Operation Order 2-70
- ✓ Enclosure (3) Detachment Alpha, Operation Order 6-70
- ✓ Enclosure (4) Detachment Alpha, Operation Order 7-70

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1st & 3rd Redeye Platoons  
2nd Light Anti-aircraft Missile Battalion  
Marine Air Control Group-38  
3rd Marine Aircraft Wing, FMFPac  
Twentynine Palms, California 92278

From: Commanders, 1st & 3rd Redeye Platoons  
To: Commanding Officer, 2nd Light Anti-aircraft Missile Battalion  
Subj: Command Chronology Report; submission of  
Ref: (a) WgO 5750.1D

1. In accordance with the provisions of reference (a), the following  
Command Chronology Report is submitted for the period 1 July 1970-  
31 December 1970.

*K. E. Rowe*  
K. E. ROWE  
1st LT. USMCR

*James B. Dowling*  
J. B. DOWLING  
2nd LT. USMCR

1ST & 3RD REDEYE PLTNS / 2ND LRRAM BN

JULY-DEC 1970

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1st & 3rd Redeye Platoons  
2nd Light Anti-aircraft Missile Battalion  
Marine Air Control Group-38  
3rd Marine Aircraft Wing, FMFPac  
Twentynine Palms, California 92278

COMMAND CHRONOLOGY REPORT

01 July to 31 Dec 1970

INDEX

- PART I - Organizational Data
- PART II - Narrative Summary
- PART III - Sequential Listing of Significant Events
- PART IV - Supporting Documents

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PART I

ORGANIZATIONAL DATA

1. Section Head

1st Redeye Platoon

1stLt R. E. HAMANN  
 1 July 70 - 31 Aug 70

1stLt K. E. ROWE  
 1 Sept 70 - 31 Dec 70

3rd Redeye Platoon

2ndLt F. C. THOMAS III  
 1 July 70 - 31 July 70

1stLt K. E. ROWE  
 1 Aug 70 - 20 Sept 70

2ndLt J. B. DOWLING  
 21 Sept 70 - 31 Dec 70

2. Section Chiefs

None

3. Average Monthly Strength of Sections;

1st Redeye Platoon

<u>USMC</u>		<u>USN</u>		<u>OTHER</u>	
<u>Off</u>	<u>Enl</u>	<u>Off</u>	<u>Enl</u>	<u>Off</u>	<u>Enl</u>
01	41	0	0	0	0

3rd Redeye Platoon

<u>USMC</u>		<u>USN</u>		<u>OTHER</u>	
<u>Off</u>	<u>Enl</u>	<u>Off</u>	<u>Enl</u>	<u>Off</u>	<u>Enl</u>
01	41	0	0	0	0

ENCLOSURE (1)



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PART II

NARRATIVE SUMMARY

During the month of July both 1st and 3rd Redeye Platoons received extensive classroom training in their MOS.

1stLt. K. E. ROWE replaced 2ndLt. F. G. THOMAS as 3rd Redeye Platoon commander on 1 August 1970 and then deployed for Camp Pendleton with twentysix Redeye gunners and communication men. There they participated in the Reserve problem - Operation High Desert. The remainder of the month of August was spent in preparation for the IG inspection. Redeye performed satisfactorily in this inspection.

On the 1st of September 1stLt. K. E. ROWE took over as platoon commander of both 1st and 3rd Redeye Platoons and then on the 21st of September 2ndLt. J. B. DOWLING replaced 1stLt. ROWE as 3rd Redeye platoon commander. In the period between September and November, seventeen enlisted men requalified and one officer qualified in Redeye shoots held at 29 Palms, California. On the 14th and 15th of October 1st and 3rd Redeye Platoons received training on the .50 caliber machine gun followed by a successful .50 caliber shoot.

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PART III

SEQUENTIAL LISTING OF SIGNIFICANT EVENTS

- 15 Aug. 70 - 20 Aug. 70      1stLt ROWE replaced 2ndLt THOMAS as 3rd Redeye Platoon Commander. Twentysix Redeye gunners and communication men deployed for Camp Pendleton to participate in the Reserve problem Operation High Desert. Substantial communications training was received.
- 31 Aug. 70                      1st and 3rd Redeye participated in a IG inspection with 2nd LAAM Battalion. They received Satisfactory with minor discrepancies in the personnel inspection and drill.
- 1 Sept 70 - 21 Sept 70        1stLt. ROWE now in charge of 1st and 3rd Redeye Platoon. 2ndLt. DOWLING took over as 3rd Redeye Platoon Commander.
- 30 Sept 70                      Ten gunners requalified at shoot held by Redeye School at MCB, 29 Palms.
- 15 Oct 70                        1st and 3rd Redeye Platoons were given detailed instruction on the .50 caliber machine gun which was followed by a successful .50 caliber shoot.
- 4 Nov 70                         Seven enlisted requalified and one officer qualified at a Redeye shoot held with the Redeye school at 29 Palms, California.
- 1 Dec 70                         All Redeye gear and personnel in 1st and 3rd Redeye Platoon are prepared for transferral to MCAS, El Toro by 18 Jan 71.

ENCLOSURE (10)

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PART IV

SUPPORTING DOCUMENT

None

ENCLOSURE (1)

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BN FIREX 2-70



20 LIGHT AA MISSILE BATT

BN OPER 0 2-70

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220800T September 1970

Operation Order 2-70

Ref: (a) Maps: AJO 1:250000 Sheet No. N1-12-10  
(b) BnO 3120.2

Time Zone: TANGO (+7)

Task Organization:

2nd LAAM Bn  
H&S Battery  
"A" Battery  
"B" Battery  
"C" Battery  
"D" Battery

Maj. L. A. SOLLBERGER  
Capt. T. R. SHINE  
1stLt. G. S. BUCKLIN  
Capt. A. O. CRAVETS  
1stLt. C. W. CLARK II  
1stLt. D. J. KULIG

1. SITUATION

a. Enemy Forces. None

b. Friendly Forces.

(1) Marihe Corps

(a) MACS-1 will provide an early warning radar at the Colfred Airstrip, Tacna, Arizona.

(b) MACS-7 will provide an AN/TRC-97 for communication between Tacna, Arizona and MCAS Yuma, Arizona.

(2) Navy

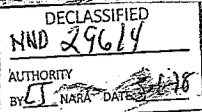
(a) Fleet Composite Squadron-3 (VC-3), NAS North Island, will provide MQM-74A drone targets.

c. Attachments and Detachments

(1) MACS-1 E. W. Radar with team, attached effective 290800T Sep 70.

(2) MACS-7 AN/TRC-97 with team, attached effective 290800T Sep 70.

(3) VC-3 MQM-74A drone and support personnel attached effective 291000T Sep 70.



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d. Assumption

- (1) Fleet Composite Squadron-3 (VC-3), NAS North Island, will provide MQM-74A drone targets.
- (2) Target presentations will be provided as required.

## 2. MISSION

Second Light Antiaircraft Missile Battalion will conduct a Hawk Missile fire exercise (FIREX 2-70) between 5-9 Oct 1970 in the area of Colfred Airstrip, Tacna, Arizona in order to improve combat readiness and to evaluate Battalion/Battery operations and readiness.

## 3. EXECUTION

a. Concept of Operation

On 25 September 1970 elements from MCB 29 Palms will proceed by convoy to the Colfred Airstrip. On 26 September 1970 elements from Det "A", Yuma will proceed by motor convoy to Colfred Airstrip. Both elements will commence establishing H&S Battery Base Camp and the Battalion Field Mess. On 28 September 1970 Batteries A, B, C, and D will convoy to Colfred Airstrip, RSOP and commence emplacement of their equipment. From 30 Sep-2 Oct 1970 tracking drills and Battalion systems checks will be conducted. All missiles will be checked-out and loaded by 041200T Oct 70. At 050730T Oct 70 actual FIREX operations will commence and continue as scheduled until allotted missiles have been expended. Battalion elements will return by motor convoy upon completion of the FIREX on or about 9 Oct 70. Firing operations will be conducted in accordance with reference (b).

b. H&S Battery

Deploy elements to coord. 229400-362100 on 25, 26 and 28 Sep 70 to Colfred Airstrip and provide administrative and logistic support. Establish communications as outlined by Annex C, and provide facilities for operational control for Battalion FIREX.

c. "A" Battery

Deploy to coord. 232250-361975 on 28 Sep 70 to Colfred Airstrip and prepare to execute Air Defense training operations on order.

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d. "B" Battery

Deploy to cord. 230750-361975 on 28 Sep 70 to Colfred Airstrip and prepare to execute Air Defense training operations on order.

e. "C" Battery

Deploy to cord. 228250-362025 on 28 Sep 70 to Colfred Airstrip and prepare to execute Air Defense training operations on order.

f. "D" Battery

Deploy to cord. 227250-361975 on 28 Sep 70 to Colfred Airstrip and prepare to execute Air Defense training operations on order.

g. Schedule of AAW Operations

Hawk firing will be conducted from 5-9 October 1970 during the hours of 0730-1700. Alternate firing dates will be 12-16 October 1970.

h. Coordinating Instructions

- (1) All units will be guided throughout execution phase of FIREX by provisions of ref (b) and ensure that safety is paramount at all times.
- (2) Range safety limits are depicted in appendix (1) to Annex A.
- (3) Reports Required.
  - (a) Missile Firing Report, Annex A
  - (b) Malfunction Report, Annex A
  - (c) Drone Control Report, Annex A
  - (d) Hawk FIREX Consolidated Post Exercise Report Annex A
  - (e) Post Exercise Report, Annex A

4. ADMINISTRATION AND LOGISTICS

- a. Administration and Logistics. Annex B

5. COMMAND AND COMMUNICATIONS-ELECTRONICS

- a. Communications. Annex C

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b. Command Post

- (1) 2nd LAAM Bn Colfred Airstrip, Tacana, Arizona
- (2) H&S Battery Colfred Airstrip, Tacana, Arizona
- (3) "A" Battery Colfred Airstrip, Tacana, Arizona
- (4) "B" Battery Colfred Airstrip, Tacana, Arizona
- (5) "C" Battery Colfred Airstrip, Tacana, Arizona
- (6) "D" Battery Colfred Airstrip, Tacana, Arizona
- (7) 2nd LAAM Bn (Rear) MCB Twentynine Palms, California

*L. A. Sollberger Jr*  
 L. A. SOLLBERGER JR  
 Major U.S. Marine Corps  
 Commanding

ANNEXES:

- A Anti-Air Warfare
- B Administration and Logistics
- C Communications-Electronics
- X Distribution

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Annex A (Anti-Air Warfare) to Operation Order 2-70

Ref: (a) Map: AJ01:250000 SHEET NO. N1-12-10

Time Zone: TANGO (+7)

1. SITUATION

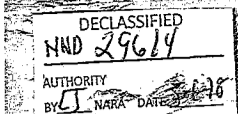
- a. Enemy Forces. MQM-74A (Drone Target) will simulate low flying aircraft.
- b. Friendly Forces
  - (1) Marine Corps
    - (a) MACS-1 will operate at Colfred Airstrip, Tacna, Arizona and will provide Radar Range Surveillance and EW for the Battalion AAOC. MACS-1 will provide and operate an AN/TRC-97 at MCAS Yuma, Arizona.
    - (b) MACS-7 will operate at Colfred Airstrip, Tacna, Arizona one AN/TRC-97 for communication from 2nd LAAM Bn CP to MCAS Yuma, Arizona.
  - (2) Navy. Fleet Composite Squadron-3 (VC-3), NAS North Island will provide MQM-74A targets.
  - (3) Attachments and Detachments. Raytheon Hawk Improvement Team (HIT) EL Paso, Texas will be attached to provide telemetry information relative to the FIREX.

2. MISSION

- a. Conduct Air Defense Operations using the AN/TSQ-39 (OC) as the primary means of controlling the scheduled FIREX. Be prepared to conduct Air Defense Operations from the AN/TSQ-5 (CIC).

3. EXECUTION

- a. Concept of Operations
  - (1) Operations will be conducted in accordance with reference (b).



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(2) Integration with the OC/CIC (AAOC) will be established and evaluated prior to the first scheduled missile firing.

(3) On order the AAOC and BCC operations will commence using Missile Battery Data Link (MBDL) with Voice-Telephone as backup for the FIREX.

b. Air Support for Anti-Air Warfare.

(1) General. MQM-74A targets will be used as the primary targets for missile firing.

(2) Allocations For Anti-Air warfare. Firing Batteries have been allotted two missiles each for conduct of the FIREX.

(3) Miscellaneous.

(a) Range 2301 West has been cleared with air space up to 100,000 ft. for FIREX operations for the period 5-9 Oct 1970.

(b) Method of Firing. Two missiles per battery controlled from the AAOC/BCC (Auto).

c. AA Missile Support.

(1) General

(a) H&S Battery (-) will be located at Colfred Airstrip, Tacna, Arizona for Logistic, Maintenance Support and control for the FIREX.

(b) All Firing Batteries will be located on positions designated by the Bn. S-3 and will provide Missile Defense against Low Altitude Attack Aircraft (MQM-74A Drone Target).

d. Coordination Instructions.

(1) Safety is paramount.

(2) All Radars will be oriented with respect to True North.

(3) All Voice-Telephone plots will be in GEOREF.

(4) Battalion S-3 will pass SitRep report after Exercise Report, Missile Firing Reports and Hawk FIREX Consolidated Post-Exercise Report to MACG-38.

(5) Battalion S-4 will submit any Malfunction reports to MACG-38.

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(6) Firing Batteries will submit Malfunction Reports to Bn. S-4, SITREP Reports, Missile Firing and After Exercise Report to the Bn. S-3.

(7) H&S Battery will submit an After Exercise Report to the Bn. S-3.

(8) VC-3 will submit a Drone Control Report to the Bn. S-3.

4. ADMINISTRATION AND LOGISTICS

a. Annex B (Administration and Logistics) to Operation Plan 2-70.

b. All Control Agencies will maintain a log of all operations activities to include difficulties encountered, target position upon Acquisition and "Kills".

5. COMMAND AND COMMUNICATIONS-ELECTRONICS

a. Annex C (Communication-Electronics) to Operations Plan 2-70.

b. Agencies

AAOC	Colfred Airfield Tacna, Arizona
"A" Battery	Colfred Airfield Tacna, Arizona
"B" Battery	Colfred Airfield Tacna, Arizona
"C" Battery	Colfred Airfield Tacna, Arizona
"D" Battery	Colfred Airfield Tacna, Arizona

*L. A. Sollberger Jr.*  
L. A. SOLLBERGER JR.  
MAJOR U. S. MARINE CORPS.  
COMMANDING

APPENDIX:-

1-Fire Zone

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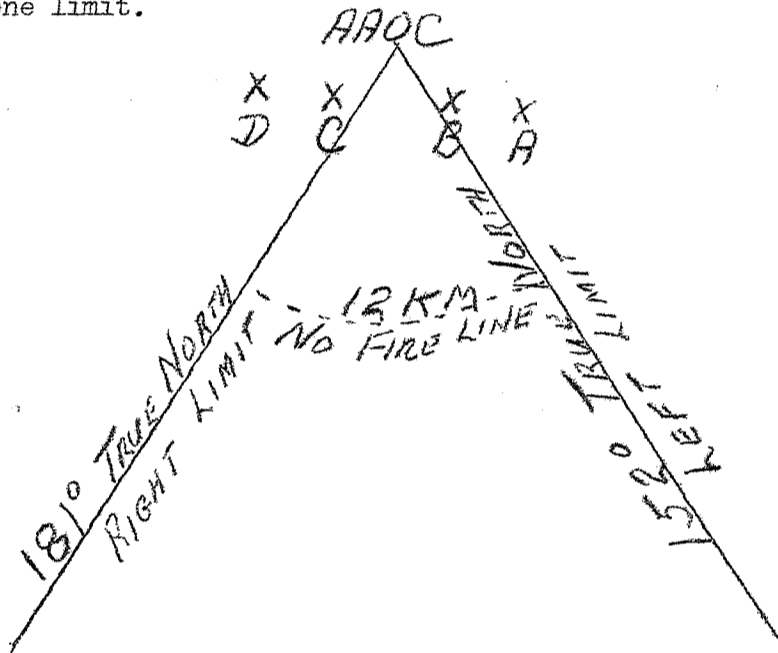
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Appendix 1 (Fire Zone) to Annex A (Anti-Air Warfare) to Operation  
Order 2-70

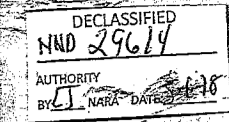
TIME ZONE: TANGO (+7)

1. Fire zone limit.



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Annex B (Administration and Logistics to Operation Order 2-70

Ref: (a) Maps: Ajo 1:250,000 Sheet No. N1-12-10

(b) BnO 5000.1A Ch 4 (Logistics Services and Requirements)

TIME ZONE: TANGO (+7)

1. SUPPLY

a. General

(1) All classes of supplies required are available in sufficient amounts from normal sources.

(2) S-4 will be responsible for procurement, movement, storage, and distribution of all classes of supplies

b. Supplies and Equipment Available

(1) Class 1

(a) "A" rations - 12 days for 2nd LAAM Bn and supporting personnel.

(b) "C" rations will be required for all meals in the field prior to the evening meal on 28 September. Requests for "C" rations will be turned in to 2nd LAAM Bn S-4 by 21 September 1970.

(c) Camp Commandant will draw enough "C" rations to supply the last meal for the Battalion upon termination of the FIREX. In addition, TEN (10) cases of "C" rations will be held backup.

(d) Water. 5 gallons per individual per day. Batteries will carry one M-107 water trailer to be utilized as the battery water supply point. Motor Transport section will carry one M-107 water trailer and the Mess Section will carry three (3) M-107's. Two (2) M-107's will be provided for the H&S compound. Water tankers will be on call thru the S-4 for resupply.

(e) Only water transported by water truck or water trailer will be consumed.

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(2) Class II

(a) T/E items as required to accomplish mission

(3) Class III

(a) All vehicles will have full fuel tanks and filled 5 gallon expeditionary cans prior to motor convoy.

(b) Required Lubricants will be drawn from the Motor Transport Section.

(c) Three M-49 re-fuelers, two (2) diesel and one (1) gasoline, will make scheduled refills to all units in the field beginning at 0800 and 1400 daily. Additional requests should be made through the S-4.

(4) Class IV As required

(5) Class V Weapon System Maintenance will be on call at FIREX site (Tacna) to receipt for missiles on 28 September 1970

(6) Medical. Appendix 1 (Medical)

(7) Maps

(a) Battery Commanders will procure area maps from the S-2.

(b) Convoy route maps. Tab A to Appendix 2 (Transportation)

c. Control and Distribution

(1) Normal throughout exercise for all classes of supplies.

(2) Location for supply dumps and storage areas as designated by Battery Commanders and Camp Commandant.

d. Resupply

(1) All resupply will be the responsibility of and coordinated through the S-4.

(2) Resupply to unit commanders will be on a call-as-required basis.

(3) "A" rations will be procured from MCAS, Yuma.

(4) Water point will be at Taena, Arizona.

(5) Resupply of POL will be as required from MCAS, Yuma.

2. EVACUATION AND HOSPITALIZATION. Appendix 1 (Medical)

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3. TRANSPORTATION. Appendix 2 (Transportation)

4. SERVICE

a. General. All maintenance of equipment and services will be performed by Battalion Units except as noted herein.

b. Assignment of Responsibilities

(1) Bn Maintenance Section. Provide contact team and third echelon maintenance for surveillance radars and associated equipment as required.

(2) Bn HAWK Maintenance Section. Provide contact team and third and fourth echelon maintenance for all HAWK peculiar equipment as required. On-site calibration support will be provided by a team from 5th FST on 28 and 29 September 1970.

(3) Bn Engineer Section

(a) Provide contact team as required.

(b) Provide support for improvement of existing emplacements and safety pits as required.

(4) Bn Motor Transport Section

(a) Provide contact team and second and third echelon maintenance for all Motor Transport equipment as required.

(b) Provide jeep and driver on a 24 hour basis for repair parts.

(5) Bn Supply Section. Provide supplies as required.

c. Billeting. Battery Commanders and Camp Commandant will provide for all personnel in or attached to their command.

d. All personnel will use the field shower unit. The Camp Commandant will establish shower hours for the Battalion.

5. PERSONNEL. Appendix 3 (Personnel)

6. MISCELLANEOUS

a. Rear echelon. Personnel required to continue essential Battalion functions and those required to maintain security of government property will remain at MCB 29 Palms, and MCAS Yuma respectively.

b. Uniform and Equipment. Appendix 3 (Personnel)

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c. Fiscal Instructions.

- (1) Commuted rations for sergeants and below will be terminated.
- (2) Money collected and ration statements for "C" rations consumed by Officers and SNCO's will be turned into Det "A" Supply on the first working day after the FIREX.
- (3) Money collected and ration statements for "A" rations consumed by Officers and SNCO's will be to MCAS, Yuma messhall within 24 hours after return to MCAS, Yuma.

*L.A. Sollberger*

L.A. SOLLBERGER  
Major U. S. Marine Corps  
Commanding

APPENDIXES:

- 1. Medical
- 2. Transportation
- 3. Personnel

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Annex C (Communication-Electronics) to Operation Order 2-70

Ref: (a) MAPS: AJO 1-250000 Sheet Number N1-12-10

(b) WgO P02000.4 (CEOI)

(c) BnO P2000.1 (COMM SOP)

TIME ZONE: TANGO (+7)

1. SITUATION.

a. Enemy Forces. Annex A (Anti-Air Warfare)

b. Friendly Forces. Annex A (Anti-Air Warfare)

2. MISSION.

a. Commencing 28 September 1970, Communication Platoon will install, operate and maintain communications in support of Firex.

3. EXECUTION.

a. Concept of Operation. An integrated wire/radio relay communications system will be the primary means of communications for voice and automatic data link (ADL) transmissions. A partial back-up system of wire will be installed. Communications external to the Missile firing range will be conducted over base land lines via TRC/97 to Firex site, a field telephone/switchboard system will be installed to provide this function and for command and administrative functions in the field. HF radio link between 29 Palms, YUMA, and FIREX Site will be established for back-up.

b. Communication Platoon. Provide Communications Center in vicinity of AAOC/OC at Missile Firing Range.

c. Wire Section.

(1) Install and maintain wire lines between the MRC-60 and the OC Van.

(2) Provide internal CP communications.

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(3) Provide back-up wire communications between AAOC/OC and Missile Batteries.

(4) Install and maintain an independent wire line for the Safety Net between the AAOC and BCC of the Missile Batteries.

(5) Wire Plan. Appendix 1.

(6) Integrated Wire/Radio Relay Plan. Appendix 2.

d. Radio Section.

(1) Guard Aircraft Distress Net.

(2) Provide convoy communications as required.

(3) Establish, on order, voice communications between Det "A" Rear (Yuma) and Headquarters, 2nd LAAM Battalion (Rear), and main C.P.

(4) Establish, on order, voice security and/or Admin Net at Missile Firing Net.

(5) Radio Plan. Appendix 3.

e. Radio Relay Section.

(1) Establish and maintain radio relay communications between AAOC/OC and Firing Batteries A, B, C, and D.

(2) Channelization. Appendix 4.

f. Message Center.

(1) Maintain Message Center at 2nd LAAM Battalion, MCB 29 Palms, (Rear), and S-1 Det "A" Rear (Yuma).

g. Maintenance Section.

(1) Maintain 3rd Echelon maintenance shop at 2nd LAAM Battalion (Rear) and Det "A" Yuma for HF Equip.

(2) Provide limited communication maintenance in the field for HF equip.

(3) Maintain 3rd Echelon maintenance shop for Radio Relay equipment in the field (GRM-38).

h. Firing Batteries.

(1) Provide support for attached radio relay terminal teams.

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(2) Install and maintain wire lines between radio relay terminal and DCC.

(3) Provide internal CP communications.

(4) Provide convoy communications as required.

(5) Install and maintain wire lines for safety net.

(6) Enter radio security and/or admin net on order.

i. Coordination Instructions.

(1) References (b) and (c) apply.

(2) Radio.

(a) Appendixes 3 and 5.

(b) Call Signs and Frequencies (issued separately).

(c) Comm Section Det "A" will pre-position MRC-83 at Firex Site at 0900 hrs 25 September 1970 and establish communication with Det "A" rear (Yuma), Headquarters 29 Palms, and advance party convoy.

(3) Wire.

(a) Appendixes 1 and 2.

(b) Telephone Directory (issued separately)

(c) Comm Section Det "A" will provide advance party to Firex Site on 26 September 1970. Install internal C.P. Communications for H&S Btry.

4. ADMINISTRATION AND LOGISTICS.

a. Limited second echelon maintenance available in the field for HF equipment. Equipment failures will be evacuated through normal channels. Third echelon maintenance for Radio Relay Equipment will be available at CP Site.

b. MACS-1 will provide one AN/TRC-97 Complete w/personnel. Install, maintain and operate, Radio Relay link from MCAS Yuma to Firex Site.

c. MACS-7 will provide one AN/TRC-97 Complete W/personnel. Install, maintain and operate a Radio Relay link from Firex Site to MCAS Yuma.

d. Channelization for AN/TRC-97 to be issued separately.

CHARGE SHEET

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Major U.S. Marine Corps  
Commanding

- APPENDIXES:
1. Wire Plan.
  2. Integrated Wire/Radio Relay Plan.
  3. Radio Plan.
  4. Channelization.
  5. Radio Call Signs and Frequencies (issued separately)

DISTRIBUTION: Annex X

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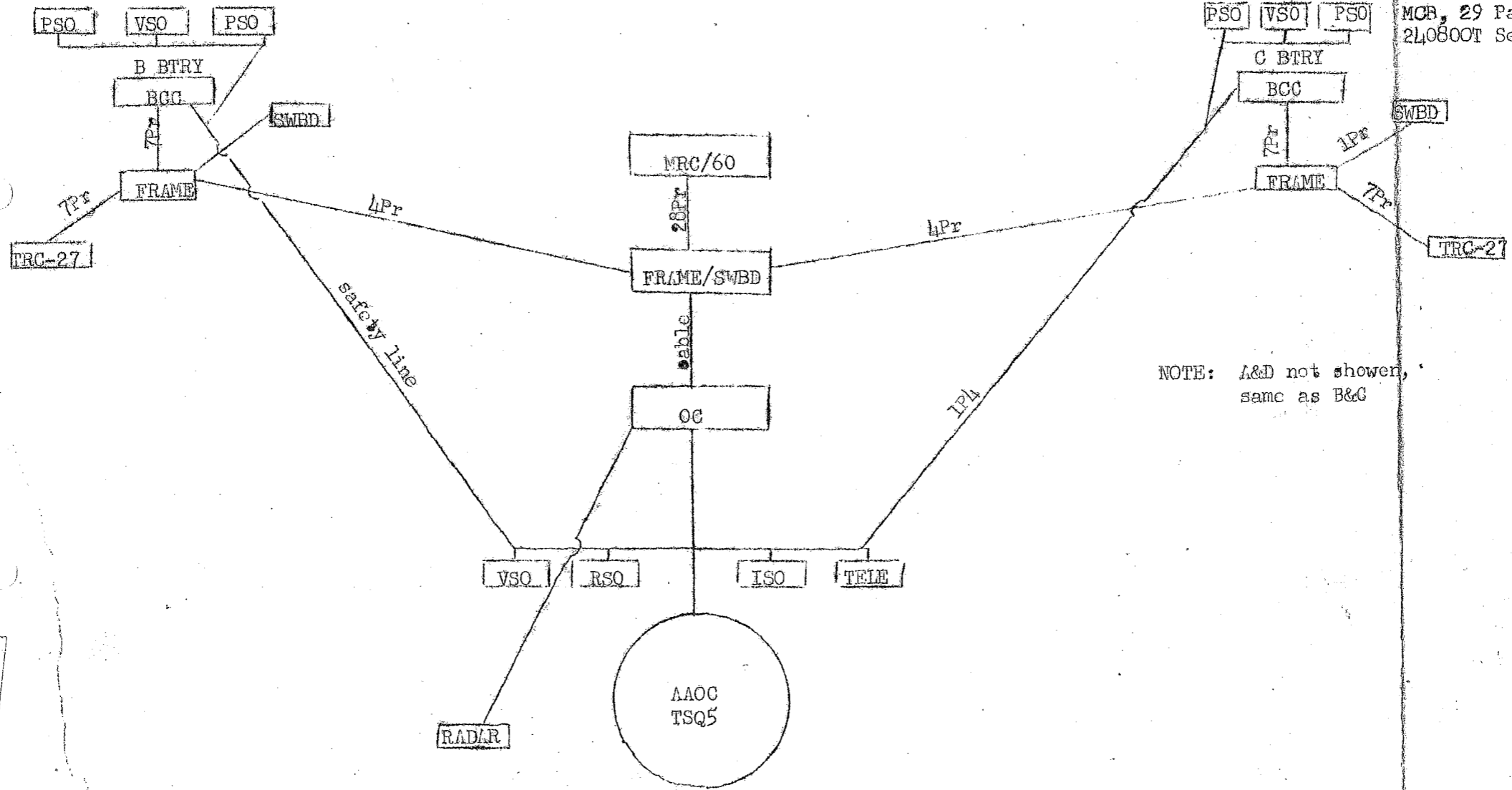
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Appendix 1 (Wire Plan) to Annex C (Communication-Electronics)  
to Operation Order 2-70

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NOTE: A&D not shown,  
same as B&C

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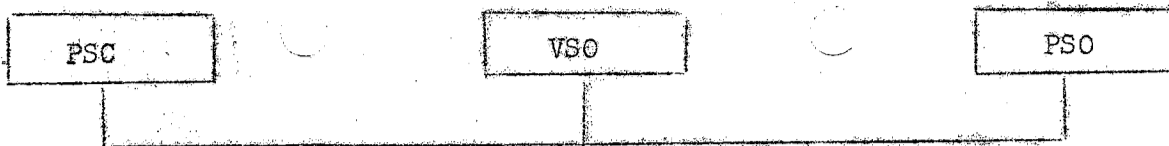
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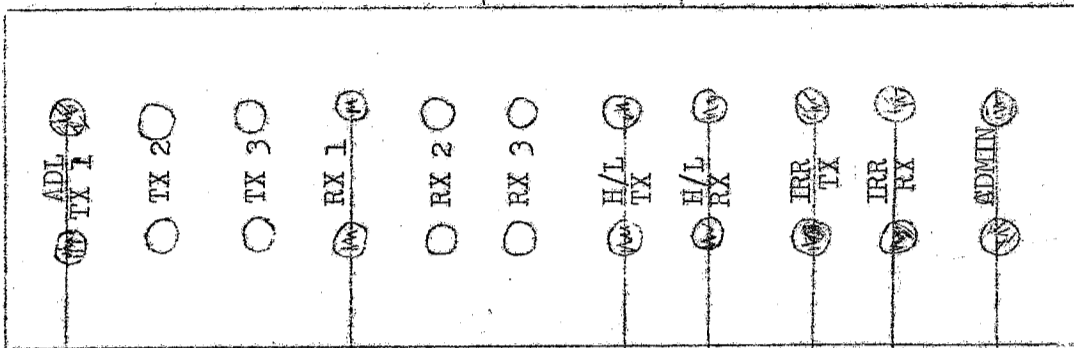
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SAFETY LINE

TCA



AAOC

PAR 2

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PAR 1

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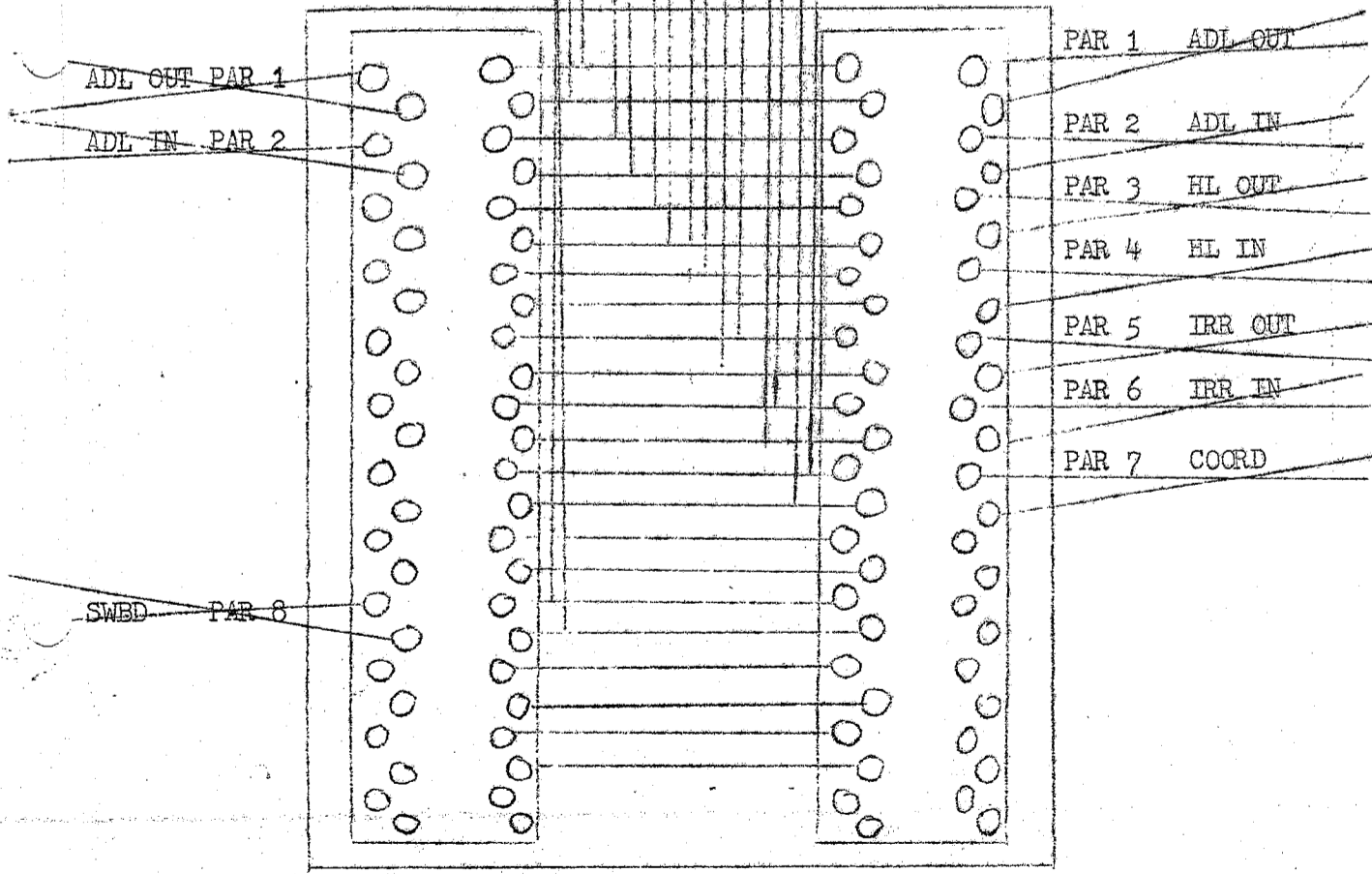


PAR 6

PAR 7

Note: Frame located at AN/TRC-27 site

WIRE FM TRC-27

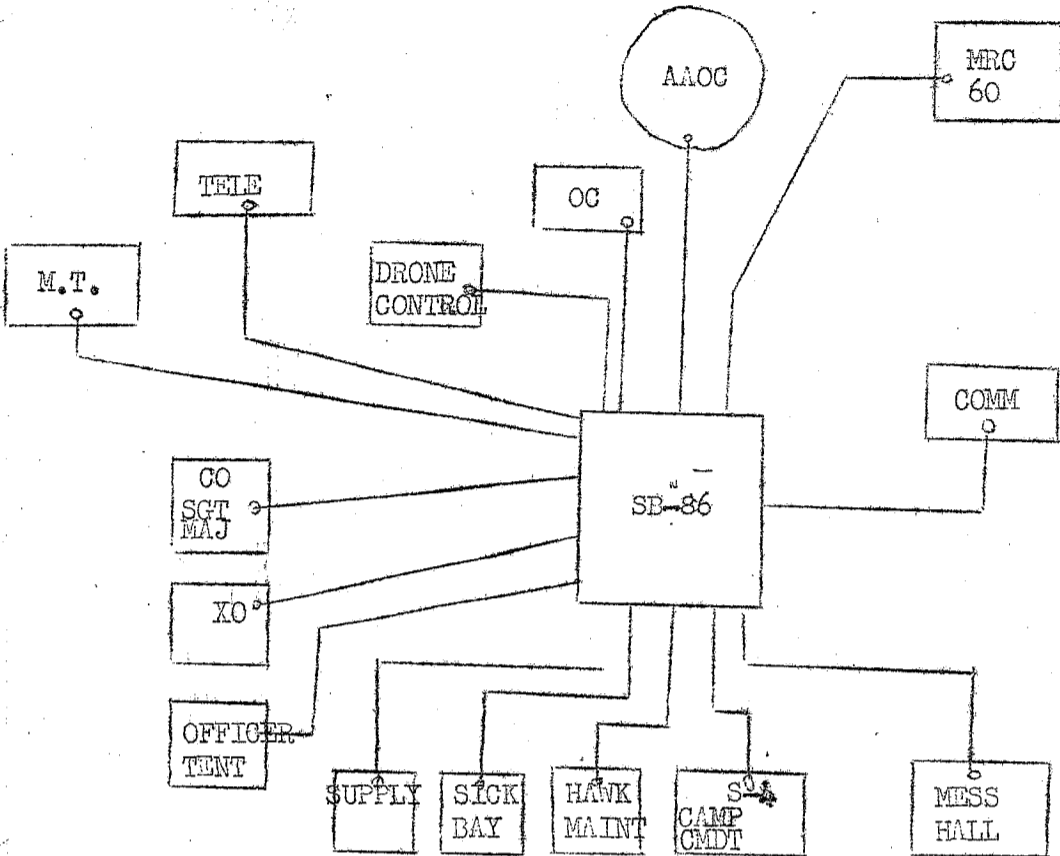


BTRY FRAME

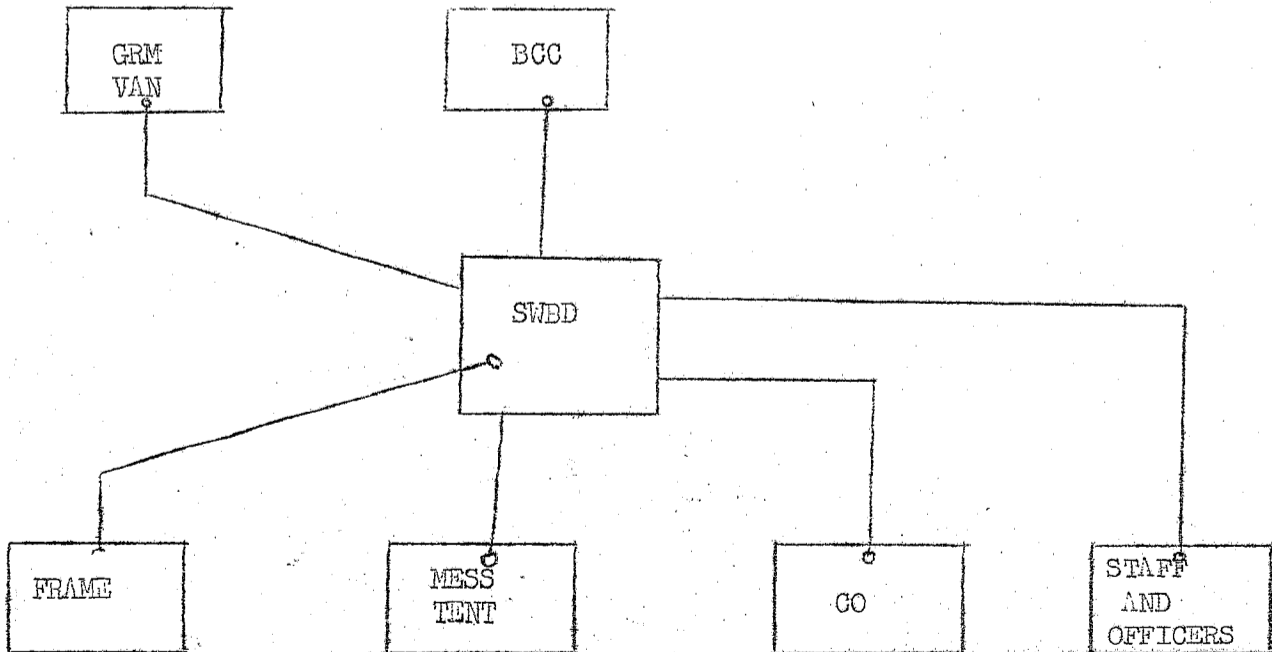
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BATTALION SUBSCRIBERS



BATTERY SUBSCRIBERS



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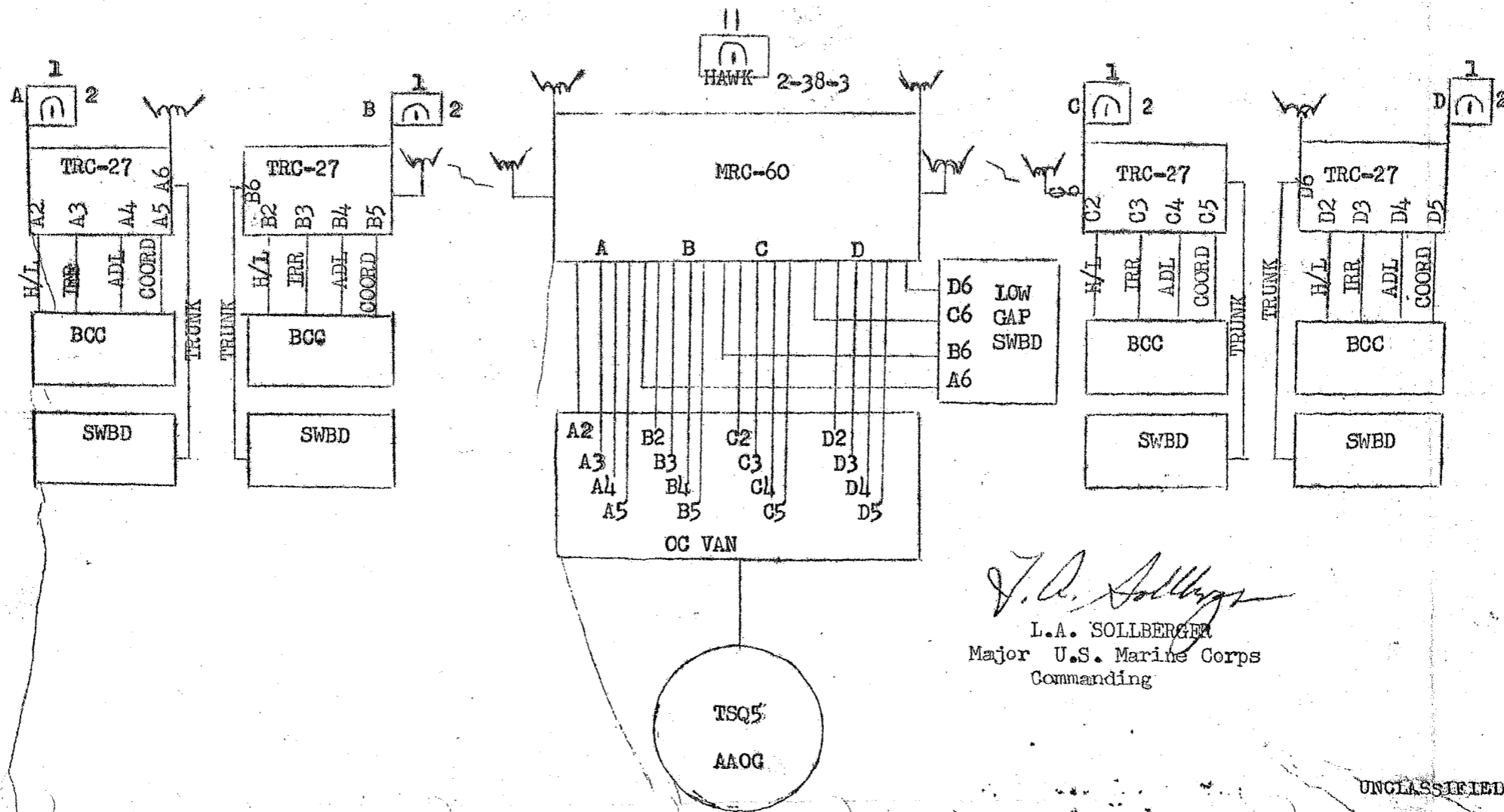
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Appendix 2 (Integrated Wire and Radio Relay Plan) to Annex C  
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Integrated Wire and Radio Relay Plan

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APPENDIX 3 (Radio Plan) to Annex C (Communication-Electronics)  
 to Operation Order 2-70

LEGEND: C - Control  
 X - Guard  
 A - As Required

	AAC (HF)	AAINT (HF)	RELAY COORD (VHF) *	CONVOY COORD & BN ADMIN (HF)	CONVOY CONTROL (VHF)	A/C DISTRESS CONTROL (UHF)	AA CMD (*) (VHF)	ROAD GUARD/ SECURITY (VHF)
2nd LAAM Bn	C	C	C	C		X	C	C
A Btry	A	A	X	A	A		X	
B Btry	A	A	X	A	A		X	
C Btry	A	A	X	A	A		X	
D Btry	A	A	X	A	A		X	
En HQ (Rear)				X				
Det HQ (Rear)				X				

*J. A. Solberger*  
 L. A. SOLBERGER  
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\* DENOTES Operated by Rad-Rsl personnel  
 (\*) DENOTES Operated by BCC & AAOC personnel

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Appendix 4 (AN/TRC-27 and MRC-60 Channelization) to Annex C  
(Communication-Electronics) to Operation Order 2-70

<u>Channel</u>	<u>Subscriber</u>	<u>Designation</u>
AN/TRC-27/MRC-60		Batteries
1	Order Wire	
2	Hot Loop (4W)	A-2; B-2; C-2; D-2
3	IRR (4W)	A-3; B-3; C-3; D-3
4	ADL (4W)	A-4; B-4; C-4; D-4
5	OC/BCC COORD	A-5; B-5; C-5; D-5
6	Spare	
7	Spare	
8	Spare	

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Annex X (Distribution) To Operation Order 2-70

1. The distribution of Operation Order 2-70 is listed below

<u>Distribution</u>	<u>No. of Copies</u>
"C"	47
MACS-1	6
MACS-7	6
VG-3	3

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MCAS, YUMA, ARIZONA  
210800T Oct. 1970

OPERATION ORDER 6-70

- Ref: (a) Map: Ajo, Arizona 1:250,000, Sheet No. N1-12-10  
 (b) Map: Tacna, Arizona 1:24,000, AMS 3249 III NW-Series 4898  
 (c) Map: Mohawk, Arizona 1:24,000, AMS 3249 III NE-Series 4898

TASK ORGANIZATION:

<u>Detachment Alpha (-)</u>	MAJOR SPIVEY
H&S Battery (-)	LT KULIG
<u>C Battery</u>	LT SMITH
<u>D Battery</u>	LT GRELECKI

1. SITUATION

- a. Enemy Forces. Annex A (Intelligence)  
 b. Friendly Forces

- (1) Detachment Alpha (-) will conduct an anti-air warfare exercise to provide the air defense of a vital area.  
 (2) C Battery will defend the east side of the vital area.  
 (3) D Battery will defend the west side of the vital area.

c. Attachments and Detachments

- (1) A Displacement Radar Team with Air Controllers will be provided by MACG-38 commencing operations at 0900 17 November 1970.  
 (2) A AN/TRC-97 Radio Relay Team will be provided by MACG-38 to commence operations on 16 November 1970.

2. MISSION

Detachment Alpha will commence an anti-air warfare exercise for the air defense of a vital area, Colfred Airstrip, Tacna, Arizona, at 0800 17 November 1970.

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### 3. EXECUTION

- a. Concept of Operation. Commencing 16 November 1970 Detachment Alpha (-) will deploy to the Colfred Airstrip to carry out the mission. The missile Batteries will be responsible for enemy aircraft intradiction within their respective areas of responsibilities. Aircraft intradiction will be by non-scheduled, targets of opportunity and scheduled flights of controlled aircraft. Annex B (Anti-air Warfare Plan).
- b. C Battery
- (1) Deploy to and take up a defensive position for the eastern portion of the vital area.
  - (2) Maintain a defensive position and be on call for additional assignments from the AAOC.
- c. D Battery
- (1) Deploy to and take up a defensive position for the western portion of the vital area.
  - (2) Maintain a defensive position and be on call for additional assignments from the AAOC.
- d. Sub Unit #1 H&S Battery, Detachment Alpha (-)
- (1) Deploy to and establish a AAOC for an anti-air warfare exercise and the air defense of the vital area.
  - (2) Prepare to support operations within the vital area for a period of five days.
- e. Coordinating Instructions
- (1) Detachment S-3 will notify Bn S-3 of departure and arrival time of the Detachment units during the exercise.
  - (2) The SMD will submit SITREPS, as requested by Bn S-3, during the exercise.
  - (3) Battery Commanding Officers will submit Post Exercise Reports to the Detachment S-3 within four working days following the exercise.

### 4. ADMINISTRATIVE AND LOGISTICS

Other Administrative and Logistics details later.

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5. COMMAND AND COMMUNICATIONS-ELECTRONICS

a. Annex C (Communications and Electronics).

b. Command Posts

(1) Detachment & Command Post will be at Colfred Airstrip, Tacna, Arizona.

(2) Detachment Alpha Rear will be established at MCAS Yuma, Arizona.

c. Communications will be maintained between Detachment Alpha and Detachment Alpha Rear.



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Major, U.S. Marine Corps  
Officer in Charge

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Annex D (Distribution) to Operation Order 6-70

DISTRIBUTION LIST

1. The below listed distribution applies to this operation order.

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S-2 Intelligence	2
S-3 Operations	<del>15</del> 15
S-4 Logistics	6
Sergeant Major	1
Sub-Unit #1, H&S Btry.	3
C Btry.	3
D Btry.	3
C.O. 2nd LAAM Bn. (Attn: S-3)	3
C.O. MACS-1 (Attn: S-3)	3
C.O. MACG-38 (Attn: S-3)	<u>2</u>
TOTAL	45

*J.W. Spivey*  
J.W. SPIVEY

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 MCA3, Yuma, Arizona  
 192030 Oct. 1970

Annex A (Intelligence) to Operation Order 6-70.

Ref: (a) Operation Order 6-70.

1. SUMMARY OF ENEMY SITUATION

- a. Scheduled simulated air attack will be conducted by 3dMAW aircraft at times requested.
- b. Unscheduled intradiction into the defense zones surrounding the vital area may occur from itinerant civilian aircraft.

2. ESSENTIAL ELEMENTS OF INFORMATION

- a. Simulated air attacks are expected to commence on 17 Nov 70 and continue through 19 Nov 70 from the hours of 0800-2100.
- b. The size of the aircraft attacks/intradiction is expected to vary from single to many.
- c. The altitudes of the aircraft attacks/intradictions will vary.
- d. The speed of the aircraft attacks/intradictions will vary.

3. INTELLIGENCE ACQUISITION TASKS

- a. Orders to subordinate and attached units.
  - (1) "C" Battery prepare radar coverage diagrams for the defense area assigned Annex B (Anti-air Warfare Plan).
  - (2) "D" Battery prepare radar coverage diagrams for the defense area assigned Annex B (Anti-air Warfare Plan).
  - (3) Air controllers monitor UHF freq. 279.2.
    - (a) Clear scheduled aircraft into the range to commence attack runs on the vital area.
    - (b) Coordinate and control the aircraft as necessary to enable a variance in the type of attack runs on the vital area.

4. MEASURES FOR HANDLING PERSONNEL, DOCUMENTS, AND MATERIAL

- a. The Administrative and Logistics Orders applies.

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5. DOCUMENTS AND/OR EQUIPMENT REQUIRED

- a. Reference (a) is designated as the standard map for this exercise.
- b. Radar coverage diagrams will be prepared in accordance with Battalion Order 3120.1.

6. REPORTS AND DISTRIBUTION

- a. Radar coverage diagrams will be submitted to the S-3.
- b. All flight schedules for participating aircraft will be submitted to the S-3.

*J. W. Spivey*  
J. W. SPIVEY

Major, U.S. Marine Corps  
Officer in Charge

APPENDIXES:

- 1 - Study of Weather
- 2 - Astronomical Data
- 3 - Flight Schedule
- 4 - Enemy Situation Overlay

DISTRIBUTION: Annex "D" (Distribution) to Operation Order 6-70.

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Annex B (Anti-air Warfare Plan) to Operation Order 6-70

Ref: (a) Operation Order 6-70

1. SITUATION

- a. Enemy Forces. Simulated hostile aircraft will be schedule as published in Annex A (Intelligence). Other targets of opportunity will be tracked and simulated missile firings will be made as directed by the AOC. No known ECM capabilities are expected to be encountered.
- b. Friendly Forces.
  - (1) A training exercise will be conducted utilizing units of Det. Alpha, 2d LAAM Bn:
  - (2) "C" Battery
  - (3) "D" Battery
  - (4) No outside air defense units will be involved in this exercise.
- c. Attachments and Detachments.
  - (1) A Team of air controllers, from MACG-38, on 17 November 1970.

2. MISSION

- a. Commence Anti-air Warfare operations and air defense of the Colfred Airstrip, Tacna, Arizona vital area.

3. EXECUTION

- a. Concept of Operations of the Force. Detachment Alpha will conduct a training exercise in Anti-air Warfare and air defense of the vital area. The manual mode of operations will be conducted with the AOC being the missile control agency. Scheduled simulated hostile batteries. Targets of opportunity are encouraged to be engaged at all other times under the direction of the SMD located in the AOC.

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b. AA Missile Support.

- (1) General. "C" and "D" Battery will engage any airborne targets posing a threat on the vital area.
- (2) Organization for Combat.
  - (a) "C" Battery Will have identification and engagement responsibilities for all airborne targets located east of a True North-South Line dissecting the vital area.
  - (b) "D" Battery will have identification and engagement responsibilities for all airborne targets located west of a True North-South Line disectint the vital area.
- (3) Miscellaneous. The AAOC will provide the necessary coordinating instructions for engagement when weapons are other than - Weapons Free.

c. Coordinating Instructions.

- (1) No personnel or equipment will be allowed to proceed beyond 2,000 meters south of Colfred Airstrip.

4. ADMINISTRATION AND LOGISTICS

- a. Refer to the Admin Plan for Operation Order 6-70.
- b. No live missiles will be available for use during this exercise.

5. COMMAND AND COMMUNICATIONS-ELECTRONICS

- a. Communications. Refer to Annex D (Communications and Electronics).
- b. Command. Further coordination concerning this exercise is available from the 2d LAM Bn., 29 Palms, California.

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 Officer in Charge

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MCAS, YUMA, ARIZONA  
020800T NOV. 1970

ADMINISTRATIVE PLAN FOR OPERATION ORDER 6-70

Ref: (a) Operation Order 6-70

1. SUPPLY

a. General.

- (1) All classes of supplies required are available in sufficient amounts from Battery sources.
- (2) Batteries will be responsible for procurement, movement, storage and distribution of all classes of supplies.

b. Supplies and Equipment Available.

- (1) "A" Rations - 5 days for Sub Unit #1, Batteries C and D and supporting personnel.
- (2) "C" Rations will be required for all meals in the field prior to the evening meal on 16 November 1970.
- (3) Water - 5 gallons per individual per day. Batteries will carry one M-107 water trailer to utilize as the battery water supply point, the mess section will carry two M-107. A water tanker will resupply the M-107's as required.
- (4) Only water transported by the water tanker or water trailer will be consumed.
- (5) T/E items as required to accomplish mission.
- (6) All vehicles will have full fuel tanks and five gallon gas cans prior to motor convoy.
- (7) Required lubricants will be drawn from the Motor Transport section.
- (8) Two M-49 refuelers, one diesel and one gasoline, will be on call through the Motor Transport section to Battery Commanders for refueling requirements.

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c. Control and Distribution.

- (1) Normal throughout the exercise for all classes of supplies.
- (2) Location of supply dumps and storage area as designated by Battery Commanders and Camp Commandant.

d. Resupply.

- (1) All resupply will be the responsibility of Battery Commanders and coordinated through the S-4.
- (2) Resupply to Battery Commanders will be on a call, as required basis.
- (3) "A" Rations will be procured from MCAS, Yuma.
- (4) Water point will be at Tacna, Arizona.
- (5) Resupply of POL will be procured from MCAS, Yuma.

2. EVACUATION AND HOSPITALIZATION

a. Evacuation.

- (1) All casualties requiring evacuation to MCAS will be evacuated by the most expeditious means. The ambulance will be attached throughout the exercise and located at the Motor Transport section, emergency helicopter evacuation will be available through MCAS, Yuma, Arizona. Emergency evacuation request will be transmitted by field communications to Detachment Alpha (res Officer of the Day, who will notify Station Search and Rescue Extension 2176, where a helicopter will be dispatched.

b. Hospitalization.

- (1) The dispensary located at MCAS, Yuma will serve as an emergency medical facility.
- (2) One Corpsman will be attached to each Battery, and will carry Unit one bags.

3. TRANSPORTATION

- a. Battery Commanders/Section Heads; make transportation request to the S-4 by 10 November 1970.
- b. Available transportation will be divided and allocated to batteries prior to displacement to the field. Battery Commanders/Section Heads will be responsible for moving their respective equipment to the field. Trucks will be unloaded and returned to the S-4 section after movement to the field. Prior to the return to P111 desert site trucks will be made available to the batteries.

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4. SERVICE

- a. Hawk Maintenance section provide contact team and third echelon maintenance for surveillance radar and associated equipment as required.
- b. Engineer section provide contact team as required.
- c. Provide support for improvement of existing emplacement and safety pits as required.

5. PERSONNEL

- a. Battery Commanders submit a roster of personnel going to the field to the S-3 section prior to 10 November 1970.
- b. Leave and Liberty - Only emergency leave will be authorized during the exercise. Liberty will not be authorized from the field.
- c. School runs - A school run will be set up to provide transportation to and from school for the enrolled students that can be released from the batteries.
- d. Mail will be delivered by 1600 daily to Batteries/Sections by the Detachment Mail Orderly.
- e. Equipment:
  - (1) Cartridge Belt and Jungle Kit
  - (2) (1) Canteen w/cup and Cover
  - (3) Mountain Bag w/Cover and Air Mattress
  - (4) Cot
  - (5) Knife, Fork, Spoon (Sgt's and below)
  - (6) Pan Mess Kit w/Cover (Sgt's and below)
  - (7) Helmets and Field Jackets

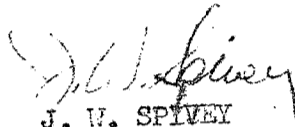
6. MISCELLANEOUS

- a. Rear echelon personnel will be the only personnel required to continue essential Detachment functions and those required to maintain security of government property.
- b. Sanitation.
  - (1) Maximum sanitary discipline commensurate with conditions will be insured by all Battery Commanders.
  - (2) Only water from approved water points will be consumed.

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- (3) Prior to each meal, medical personnel will inspect the galley and mess facilities and report any discrepancies to the Camp Commandant.
- (4) Personnel should be watchful for rattlesnakes as they do inhabit the area and may be active. Available anti-venom will be on hand at the aid station.



J. W. SPIVEY  
Major, U.S. Marine Corps  
Officer In Charge

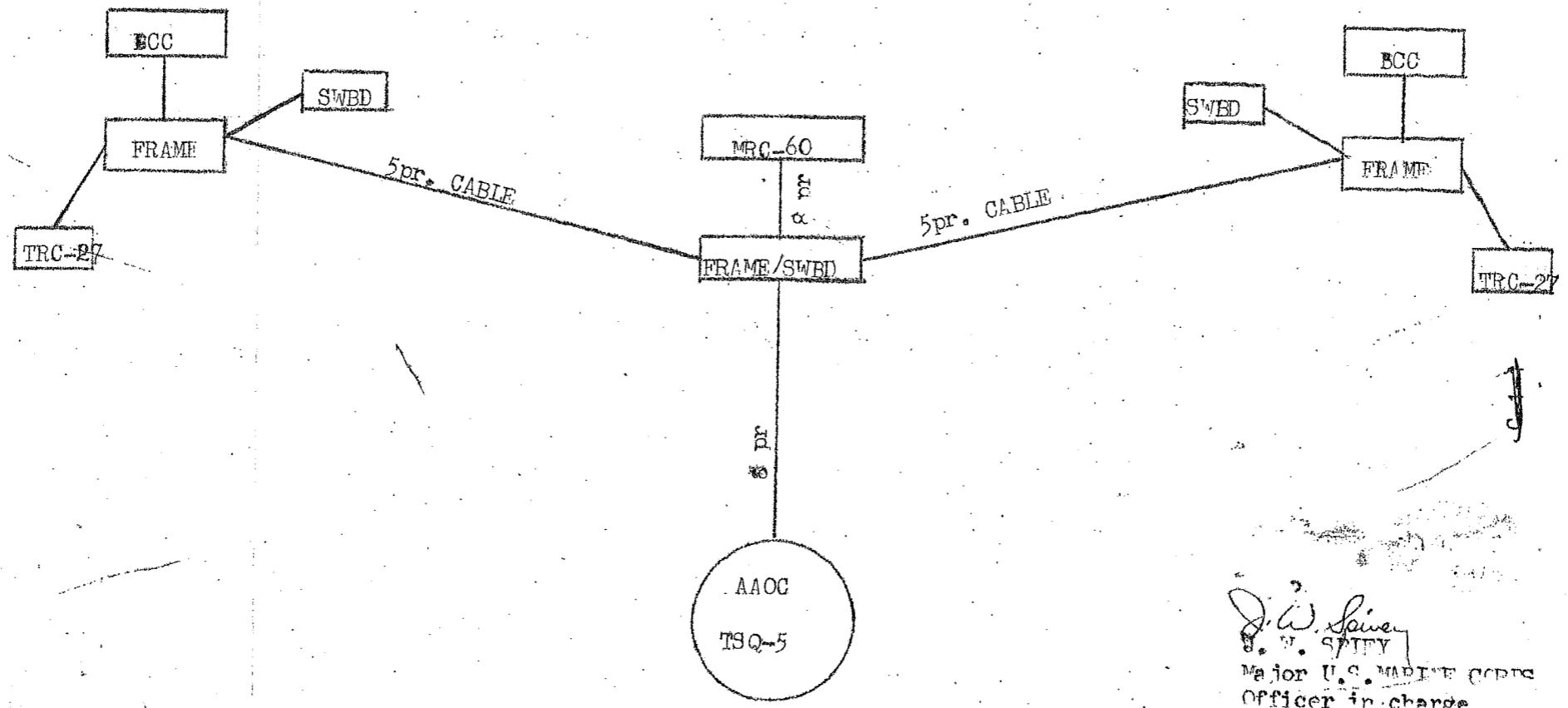
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Appendix 1 Wire plan to Annex C (Communication- Electronics)  
to Operation Order 6-70

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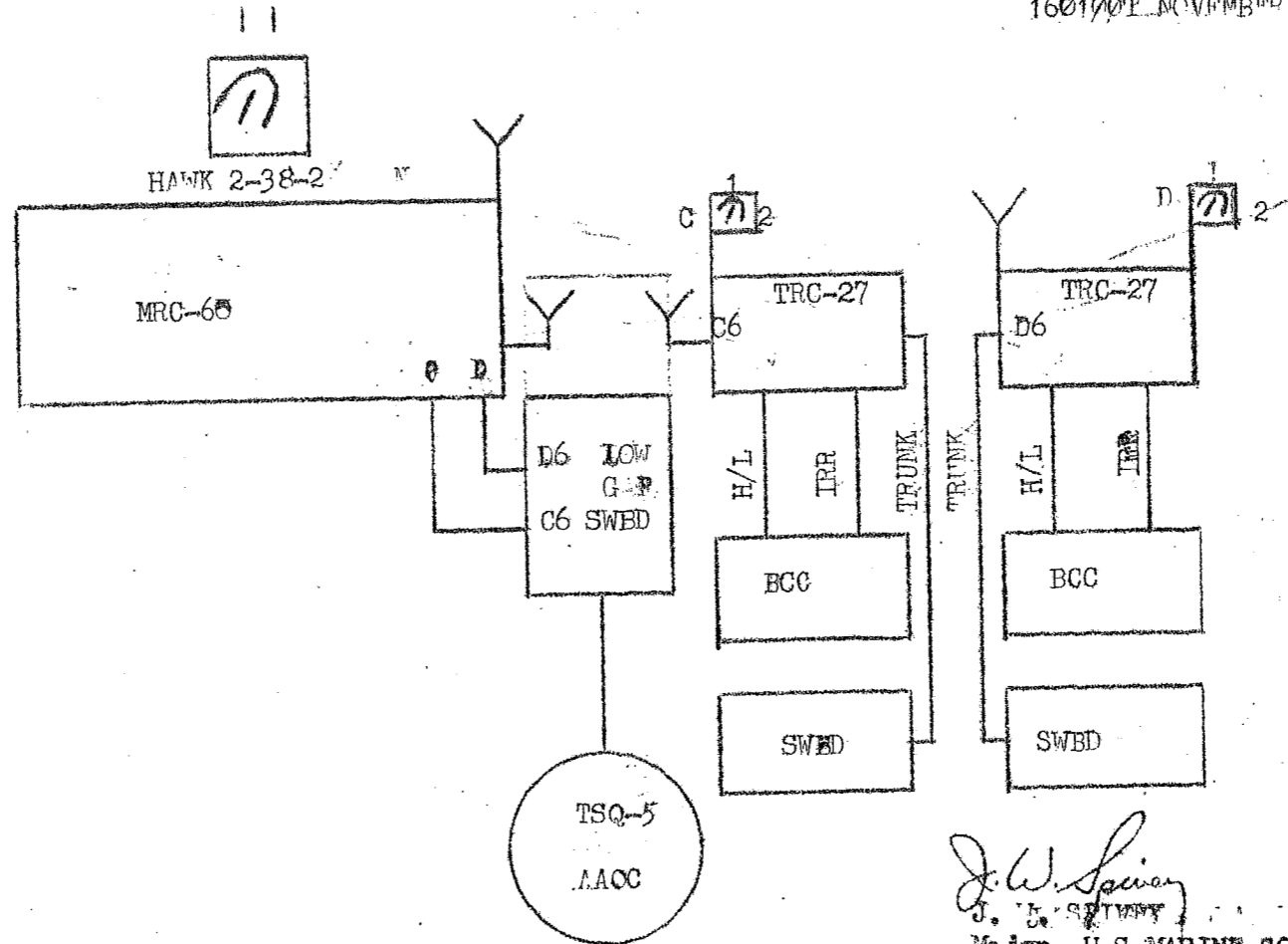


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Appendix 2 (Integrated wire and radio relay plan) to Annex C  
(Communications - Electronics to Operation Order 6-70)

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*J. W. Sperry*  
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APPENDIX 3 (RADIO PLAN) TO ANNEX C (COMMUNICATION-ELECTRONICS) TO OPERATION ORDER 6-70

LEGEND: C - CONTROL  
 X - GUARD  
 A - AS REQUIRED

	AAC (HF)	AAINT (HF)	RELAY COORD (VHF) *	CONVOY COORD & BN. ADMIN (HF)	CONVOY CONTROL (VHF)	A/C DISTRESS CONTROL (UHF)	AA CMD (VHF) °	ROAD GUARD & SECURITY (VHF)
2ND LAAM BN. DET "A"	C	C	C	C		X	C	C
C BTRY.	A	A	X	A	A		X	
D BTRY.	A	A	X	A	A		X	
DET HQ (REAR)				X				

\* DENOTES: OPERATED BY RAD-REL PERSONNEL  
 ° DENOTES: OPERATED BY BCC&AAQC PERSONNEL

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Appendix 4 (AN/TRC-27 and MRC-60 Channelization) to Annex C  
(Communication-Electronics) to Operation Order 6-70

<u>Channel</u>	<u>Subscriber</u>	<u>Designation</u>
AN/TRC-27/MRC-60		Batteries
1	Order Wire	C-2, D-2
2	Hot Loop (4W)	C-3, D-3
3	IRR (4W)	
4	Spare	

*J. W. Sivey*  
J. W. SIVEY  
Major, U.S. MARINE CORPS  
Officer in Charge

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MCAS, YUMA, ARIZONA  
240800 Nov. 1970

OPERATION ORDER 7-70

Ref: (a) Map: Ajo, Arizona 1:250,000, Sheet No. NI-12-10  
(b) Map: El Centro, California 1:250,000 Sheet No. NI-11-12

TASK ORGANIZATION:

<u>Detachment Alpha (-)</u>	MAJOR SPIVEY
<u>C Battery</u>	LT SMITH
<u>D Battery</u>	LT GRELECKI

1. SITUATION

a. Enemy Forces.

(1) Aircraft as assigned by the control agency will be considered hostile and a threat to the vital area, MCAS, Yuma, Arizona.

b. Friendly Forces.

- (1) MACS-1 will be the control agency to conduct an automatic Antiaircraft Warfare Exercise (AAWEX).
- (2) Detachment Alpha will provide two firing batteries and the required support to conduct simulated missile firings on hostile aircraft.
- (3) "C" Battery will defend the South portion of the vital area.
- (4) "D" Battery will defend the North portion of the vital area.

c. Attachments and Detachments.

(1) NONE

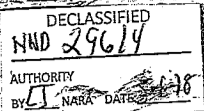
2. MISSION

MACS-1 and Detachment Alpha will conduct an automatic mode AAWEX for the air defense of the vital area, MCAS, Yuma, Arizona; from P-111 Desert site, Yuma, Arizona, between 0800, 7 December 1970 and 1830, 11 December 1970. This will provide operational check out of the ground portion of the Antiaircraft Warfare capabilities of the two units and provide maximum operator training in the automatic mode.

DET "A" / 2001 AAWEX Bn / 060 7-70

24 Nov 1970

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## 3. EXECUTION

a. Concept of Operation.

Commencing 0800, 7 December 1970, MACS-1 and Detachment Alpha will conduct an operational check out of the missile defense system, in the automatic mode of operation. Operational problems will be corrected to enable an automatic mode of operation to be conducted by utilizing the scheduled aircraft and targets of opportunity during the week of 7 to 11 December 1970. Air control for the scheduled aircraft will be provided by MACS-1 to simulate hostile aircraft attacks on the vital area. Using the airspace of R-2301 below 10,000 ft. the aircraft will be controlled with varying speeds, altitudes and direction by the controlling agency for the simulated attacks.

b. Sub Unit #1, H&S Battery, Detachment Alpha (-).

- (1) Coordinate with MACS-1 to establish a Tactical Air Operations Center for an automatic mode AAWEX and the air defense of the vital area.
- (2) Prepare to support operations within the vital area for a period of five days.

c. C Battery.

- (1) Take up the defensive position at the P-111 to defend the South portion of the vital area between 100° and 190° to conduct automatic mode antiair operations as directed by the control agency.

d. D Battery.

- (1) Take up the defensive position at the P-111 to defend the North portion of the vital area between 010° and 110° to conduct automatic mode antiair operations as directed by the control agency.

e. Coordinating Instructions.

- (1) MACS-1 will be the controlling agency for all aircraft and will assign targets to the firing batteries to simulate the defense of a vital area. Orientation will be to True North.
- (2) The SMD's will be located in the TAOC at MACS-1 (Annex A, Communications Plan).
- (3) Operations check out commences at 0800, 7 December 1970.
- (4) The SMD will submit SITREPS to the Detachment Alpha S-3 by 1500 daily.

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- (5) Battery Commanders will provide the personnel and equipment necessary to conduct a full scale, low level, high speed, ECM, automatic mode AAWEX operations during the period 0800, 7 December 1970 thru 1830, 11 December 1970.
- (6) Battery Commanders will submit Post Exercise Reports to the Detachment Alpha S-3 within four working days following this exercise.

4. ADMINISTRATION AND LOGISTICS

- a. Transportation will be provided by the Detachment Alpha S-4 as requested by the Battery Commanders prior to 3 December 1970.
- b. Evening meals will be required at the P-111 site to support the operation. The exact number of rations required will be submitted by the Battery Commanders to the Detachment Alpha S-4 prior to 3 December 1970.
- c. Detachment Alpha S-4 coordinate the ration requirement with MCAS for the total meal requirement.
- d. Other Administrative details will be given verbally to Battery commanders as required.

5. COMMAND AND COMMUNICATIONS-ELECTRONICS

- a. Primary communications will be by wire from MACS-1 to the firing batteries (Annex A, Communications Electronics).
- b. Command Post.
  - (1) Detachment Alpha and Command Post will be in building 227, MCAS, Yuma, Arizona.

By Command of Major Spivey

ACKNOWLEDGE RECEIPT

*L. G. Malone*

L. G. MALONE  
Captain, U.S. Marine Corps  
Executive Officer

ANNEXES:

A. Communications Electronics

DISTRIBUTION:

Annex D to Operation Order 6-70