

[REDACTED]

AIR FORCE BALLISTIC MISSILE DIVISION

HEADQUARTERS

AIR RESEARCH AND DEVELOPMENT COMMAND

Post Office Box 262  
Inglewood, California

August 1958

OPERATIONS ORDER

SERIAL NO. 2-58

*WDS*

Ballistic Missile Division (HQ ARDC).  
OPERATIONS ORDER No. 2-58

[REDACTED]

WDSO-58

GENERAL SITUATION:

- a. Air Force Ballistic Missile Division (Headquarters ARDC) Major General H.A. Scales
- b. AFBMD Field Office Palo Alto, California, Lt Colonel Witherspoon

GENERAL SITUATION:

1. By decision of the Secretary of Defense 1 November 1957, a directive was issued that the Air Force proceed with the development of Weapon System 117L Program at the maximum rate consistent with good management. The development of this system was charged to the Air Research and Development Command and subsequently to the Air Force Ballistic Missile Division. In order to accelerate the attainment of this program the decision was made to augment 117L by making an interim use of the Thor booster. This will provide the Air Force with an early achievement of an orbital capability. The decision to augment the program by use of the Thor booster occurred in January 1958. This operational order is primarily concerned with the Thor boosted vehicle known as Program IIA. It must be realized that the organization and procedures established to support this phase of WS-117L will be enlarged and the organizational scope and jurisdiction broadened as programs involving the Atlas boosted vehicles develop. The AFBMD Field Office, Palo Alto, will be activated 25 August 1958 to assume responsibilities for Program IIA development testing.

2. MISSION:

- a. The mission of AFBMD Field Office, Palo Alto, is to
  - (1) Achieve an early orbital capability with a Thor boosted vehicle.
  - (2) Support the Aero biomedical program designed to assist in the development of the Man-In-Space program.

3. TASKS:

- a. The Air Force Ballistic Missile Division (Headquarters ARDC) will:
  - (1) Prepare operational plans and orders for AFBMD Field Office, Palo Alto.

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(2) Provide logistic and administrative support to the AFEMD Field Office, Palo Alto, as necessary.

(3) Man the AFEMD Field Office, Palo Alto.

(4) Provide staff assistance to ~~this Office and the Aerial Recovery Base~~ <sup>the Palo Alto the 6-27-64</sup> in accordance with the provisions of this operations order.

(5) Continue planning actions necessary to enlarge this organization and man additional Air Force facilities required to support AFEMD Field Office Palo Alto.

(6) Provide the Air Force Ballistic Missile Division Field Office, Palo Alto, with a list of plans that will be required for normal operation.

(7) Provide support for CRT and administrative flying.

(8) Prepare plans required by lateral commands during the development effort.

b. The AFEMD Field Office, Palo Alto, will:

(1) Establish headquarters at Palo Alto, California.

(2) Assume completely the ~~staff~~ functions required in accordance with this operational order.

(3) Determine capability of ~~the~~ staff to assume their responsibilities on a continuing basis.

(4) Provide staff supervision of the launch tracking and telemetry stations assigned under their command jurisdiction.

(5) Establish SSG's for control and operation of the outlying units.

(6) Be responsible for programming functions for outlying stations over which they exercise command.

(7) Accomplish planning for additional bases and units required to support Programs I through VIII of the WS-117L Development Program.

#### 4. LOGISTICS AND ADMINISTRATION

a. During the life of Program IIA the AFEMD Field Office, Palo Alto, will provide logistic and administrative support as required. (See Annex E.)

b. Installations (See Annex D)

#### 5. COMMAND AND COMMUNICATIONS

a. Communications. (See Annex C)

b. Command. The Air Force Ballistic Missile Division will retain administrative and operational control over the AFEMD Field Office, Palo Alto, as designated by this Operations Order.

AIR FORCE BALLISTIC MISSILE DIVISION  
HEADQUARTERS  
AIR RESEARCH AND DEVELOPMENT COMMAND  
Post Office Box 262  
Inglewood, California

ANNEX A  
to  
OPERATIONS ORDER  
SERIAL NO. 2-58  
OPERATIONS

AF BALLISTIC MISSILE DIVISION (HQ ARDC)  
ANNEX A TO Opn. Order 2-58

ANNEX A  
TO  
OPERATIONS ORDER  
SERIAL NO: 2-58  
OPERATIONS

Detachment 2, Hq ARDC (AFMS)  
Inglewood, California  
Date

1. CONCEPT OF OPERATIONS

a. Program IIA has been established to obtain early orbital capability and environmental and basic system performance data so that the design of the WS-117L vehicle can be verified as early as possible. Such an augmentation is made possible by the use of SM-75 boosters instead of using later available SM-65 boosters. This will result principally in placing of the vehicles on polar orbits at altitudes necessarily lower than those planned for later operational research vehicles. Reconnaissance will not be an objective of Program IIA. However, a secondary objective will be the physical recovery of biomedical capsules from orbit by the use of C-119 aircraft performing aerial snatches.

b. A concept of operations for the aerial recovery program is contained in Appendix B of this Annex.

2. FLIGHT OBJECTIVES

Ten flights for Program IIA are planned with the possible addition of several more flights as the program progresses. All flights will be from Cooke AFB.

Objectives for these flights are as follows:

a. Primary

- (1) Development of WS-117L airborne and ground systems.
- (2) Development of ground space communications.
- (3) Establishment of vehicle orbit environment and parameters.
- (4) Establishment of compatibility of the WS-117L/SM-75 combination.

b. Secondary.

- (1) Development of a system for recovery of a capsule from orbit.
- (2) Support for aeromedical studies.
- (3) Procurement of geophysical research data.
- (4) Achievement of military training and operational experience.
- (5) A nucleus of qualified military personnel available for the

WS-117L program.

3. PROGRAM SCHEDULES

on the following page



AIR FORCE BALLISTIC MISSILE DIVISION  
HEADQUARTERS  
AIR RESEARCH AND DEVELOPMENT COMMAND  
Post Office Box 262  
INGLEWOOD, CALIFORNIA

APPENDIX  
TO  
ANNEX "A"  
TO  
OPERATIONS ORDER  
SERIAL NO. 2-58

APPENDIX 1  
to  
ANNEX A  
ORGANIZATION

Detachment 2, Hq AFSS (AFSSD)  
Inglewood, California  
Date

1. The AFSSD Field Office located at Palo Alto, California, will exercise operational control over all aspects of Program IIA except where otherwise indicated.

2. Organizations assigned to the Field Office are as follows:

a. Tracking and Acquisition Station -- Chiniak, Kodiak Island, Alaska

b. Tracking and Acquisition Station -- Annette Island, Alaska

c. Tracking and Acquisition Station -- Kaena Point T.H.

d. *Alaska Launch Office* *Alaska Air Command*  
Launch Stations will be contract-operated. Manning by Air Force personnel

will be on a TDY status during launch phases.

e. 6593rd Test Squadron (Special)

3. Organizations under operational control of the Field Office during launch phases are:

a. HU-121 aircraft and crews from 552nd AEW Wing, McClellan AFB, California

b. Naval vessels employed in water pick-up.

c. Naval ship tracking station located off Cooke AFB, California

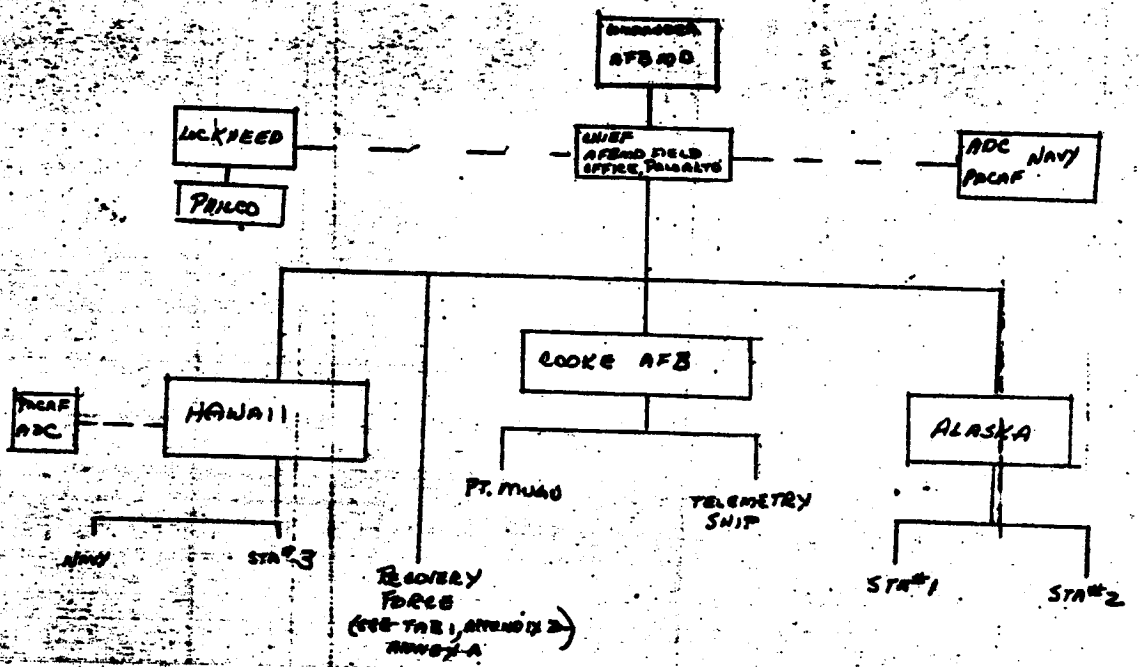
d. 275/117L Launch operations crews at Cooke AFB.

TAB 1 Organizational Chart, Program IIA

TAB 2 AFSSD Field Office, Palo Alto Organizational Chart\*

\* For organizational chart of 6593rd Test Squadron (Special) see Tab 1 of Appendix 2.





Chief of Staff  
Air Force

Staff Office

Log Support Office  
S1B 1416

Log Support

Ops Staff Office  
S1B 1416  
SPT 1435 (L-107)  
GS 70450 (L-107)

Recovery Ops  
Safety  
Plans & Procedures  
Training

R&D Staff Office  
S1B 1416 (S)  
SPT 8626  
GS 70450

R&D Review  
Contractor Coord.  
Exp. Design & Proc.

Comm Staff Office  
S1B 1416  
SPT 8626 (2)  
GS 70450 (L-107)

Comm System Dev.  
Comm Net Operations  
Data Reduction & Processing

AIR FORCE BALLISTIC MISSILE DIVISION  
HEADQUARTERS  
AIR RESEARCH AND DEVELOPMENT COMMAND  
Post Office Box 262  
Inglewood, California

ANNEX "B"  
TO  
OPERATIONS ORDER  
SERIAL NO. 2-56  
LOGISTICS

AIR FORCE BALLISTIC MISSILE DIVISION (HQ AND)

ANNEX "B"

ANNEX "B"  
TO  
OPERATIONS ORDER  
SERIAL NO. 2-58  
LOGISTICS

Detachment 2, 24 AFHQ  
Inglewood, California  
Date

1. GENERAL

a. See basic order

2. GENERAL SITUATION

a. See Operation Order AFHQ 2-58

3. LOGISTICS FOLLOWING

a. GENERAL

The Air Force Logistic Missile Division (AFMD) will furnish  
air ground assistance to the AFMD Field Office, Palmdale at all times.

(3) To adequately support assigned missions, this annex with appropriate  
revisions as required.

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- a. Appendix 1 - Administration
- b. Appendix 2 - Material
- c. Appendix 3 - Legal
- d. Appendix 4 - Comptroller
- e. Appendix 5 - Inspection and Security
- f. Appendix 6 - Medical
- g. Appendix 7 - Information Services
- h. Appendix 8 - Personnel
- i. Appendix 9 - Messengers

AIR FORCE BALLISTIC MISSILE DIVISION  
HEADQUARTERS  
AIR RESEARCH AND DEVELOPMENT COMMAND  
Post Office Box 262  
Inglewood, California

APPENDIX

TO

ANNEX "B" LOGISTICS

TO

OPERATIONS ORDER NO. 2-58

ADMINISTRATION

AF BALLISTIC MISSILE DIVISION (HQ ANDC)  
APPENDIX 7 to ANNEX B  
OPS. ORDER NO. 2-58



APPENDIX 1  
to  
ANNEX "B" LOGISTICS  
to  
OPERATIONS ORDER NO. E-50  
ADMINISTRATION

Detachment 2, Hq AFMS (AFMS)  
Inglewood, California  
Date

1. ADMINISTRATION

a. AFMS directives which are applicable to the AFMS Field Office, Palo Alto, California, will be published in the form of AFMS Installation Regulations. Specific instructions for performing administrative actions such as issuance of orders, records management, classified document control, messenger service, mail and parcel services, publications and forms management, and reproduction services, will be issued in the form of Standing Operating Procedures from the Office of Administrative Services, AFMS.

2. ORGANIZATION

a. Administrative functions in the AFMS Field Office, Palo Alto, California, will be established and operated in the Office of the Chief.

3. CORRESPONDENCE MANAGEMENT

a. Correspondence Management to include procedures and message processing will be operated as prescribed by AFR 205-1, AFM 10-1, and AFMS Installation Regulations. The AFMS Field Office will assume this function upon opening of the office.

RECORDS MANAGEMENT

a. Current records (files) will be maintained in accordance with AFM 10-1. This capability should be developed within one month after opening of the office. Records Control Schedules will be prepared not later than one year after opening of the office. Schedules will be reviewed and approved by the AFMS Records Management Office who will also furnish detailed advice and assistance by means of Standing Operating Instructions and personal visits. Lockheed Aircraft Corporation, Palo Alto, California, should provide storage space for non-current records if needed.

## 5. PUBLICATIONS AND FORMS MANAGEMENT

a. The Director of Administrative Services, AFEMD will provide necessary Departmental, ARDC, and AFEMD Publications and Forms and furnish staff supervision of the Publications and Forms Management Program. Direct contact will be maintained with the Administrative Officer, AFEMD Field Office. The initial issue of publications will be accomplished at AFEMD for hand-carrying to Palo Alto. All subsequent requirements will be forwarded by mail. The AFEMD Field Office is authorized to issue such interphal instructions as required to perform the assigned mission. Forages management will be provided by AFEMD except that the AFEMD Field Office may originate and reproduce such office forms as are required for expeditious accomplishment of the mission.

## 6. REPRODUCTION AND PRINTING:

a. Lockheed Aircraft Corporation should provide printing, reproduction and duplicating service. The AFEMD Field Office will coordinate requirements with Lockheed Aircraft Corporation. All printing, reproduction and duplicating services, beyond the capability of Lockheed Aircraft Corporation, may be accomplished under contract printing procedures or may be forwarded to AFEMD for accomplishment. Funds for contract printing, if required, will be furnished by AFEMD.

## 7. ADMINISTRATIVE ORDERS:

a. AFEMD Field Office will issue all Temporary Duty and Leave Orders for travel within the continental limits of the U.S. AFEMD Field Office will also issue temporary duty travel orders for military personnel and GS Civilian personnel for travel to the Hawaiian and Alaskan Areas in support of the 1171 program. The Director of Administrative Services, AFEMD will furnish necessary authorizations to issue orders; preprinted multilith masters for overseas travel; forms for TDY and Leave Orders; detailed instructions; and an official Headquarters ARDC seal for purposes of authentication. The Comptroller, AFEMD, will provide necessary fund citations. AFEMD Field Office will have this capability immediately upon opening of the office.

b. AFEMD Field Office will issue Travel Authorization Orders for contract personnel for travel to Hawaii and Alaska and such other places as may be necessary to accomplish the mission. Preprinted multilith masters will be provided by the Director of Administrative Services, AFEMD. No fund citation is necessary if orders are issued only to provide for military, non-revenue travel by air or government auto. AFEMD Field Office will have this capability immediately upon opening of the office.

c. AFEMD will issue all other orders as required.

8. MAIL AND POSTAL:

Lockheed Aircraft Corporation should provide mail and postal services as requested by the AFEMD Field Office. AFEMD Field Office will coordinate mail and postal requirements with Lockheed Aircraft Corporation and AFEMD. AFEMD will provide staff supervision. The 182 series of AFR's and AFM's will govern internal mail handling.

9. MESSANGER SERVICES:

The Lockheed Aircraft Corporation should provide normal office messenger services as required. AFEMD Field Office will coordinate requirements with Lockheed Aircraft Corporation.

10. TECHNICAL INFORMATION:

AFEMD Field Office will establish internal procedures for the receipt, control and dissemination of technical information. The Director of Operations, Resources, will provide advice, assistance, and staff supervision.

11. AERIAL RECOVERY FORCE

See Administrative Tab \_\_\_\_\_ to Appendix 3 Annex A



AIR FORCE BULLETIN NUMBER SEVEN  
RESEARCH  
AIR FORCE AND NAVY RESEARCH OFFICE  
Post Office Box 100  
TENTON, CALIFORNIA

NUMBER 2  
OF  
SERIES 7

TO  
RESEARCH OFFICE, TENTON, CALIF.

MATERIEL

AIR FORCE BULLETIN NUMBER SEVEN (NO. 2000)  
SERIES 7 OF NUMBER 2  
RESEARCH OFFICE, TENTON, CALIF.

(b) Snow removal equipment and personnel sufficient to keep Miller Air Strip and site access roads usable.

(c) Equipment, maintenance and operators to provide necessary personnel transportation.

(d) Personnel and equipment required to provide adequate fire protection.

(e) Personnel and equipment required to request, receive, store, and issue equipment and supplies necessary for the support and maintenance of the equipment and installation excluding the technical equipment furnished to perform the tracking and data acquisition function.

(f) Personnel and equipment necessary to provide emergency first aid.

(g) Personnel and equipment required to operate a messing facility.

(h) Equipment necessary to provide the normal recreational facilities furnished to comparable sites.

(i) Adequate billeting equipment.

(j) General housekeeping equipment as requested by LMSD.

(2) Chiniak, Alaska: LMSD must provide:

(a) Spare parts for the technical equipment supplied by LMSD or sub-contractors.

(b) Maintenance of technical equipment.

(3) Annette Island, Alaska: The Alaskan Air Command has no support responsibility at Annette Island Site.

(4) Annette Island, Alaska: LMSD must provide:

(a) The full range of housekeeping support at Annette.

(b) Spare parts and maintenance of technical equipment.

(5) Kaena Point, Hawaii: Pacific Air Force will provide:

(a) Personnel and equipment necessary to transport cargo from Hickam to site.

(b) Normal installations - engineer-type maintenance at the site and access road.

(c) Housekeeping equipment to furnish the site as requested by LMSD.

(d) Temporary storage and classroom space on Hickam.

(6) Kaana Point, Hawaii: LMSD will provide:

- (a) Guard services.
- (b) Personnel transportation.
- (c) Janitorial services and supplies.
- (d) Technical equipment spares and maintenance.

(7) Point Mugu, California: The United States Navy will provide:

- (a) Real Estate and Building Space (administrative and storage).
- (b) Commercial electrical power and normal housekeeping utilities.
- (c) Fire protection.
- (d) Perimeter security.
- (e) Emergency hospital and first aid.
- (f) Cafeteria and other services which are furnished to civilians.

*1. A trucking schedule  
2. A ship for test recovery  
of capsules.*

(8) Point Mugu, California: LMSD will provide:

- (a) Personnel for the operation and maintenance of project equipment.
- (b) Transportation.
- (c) Office supplies.
- (d) Contractor housing.

(9) Cooke Air Force Base, California: SAC will provide:

- (a) Post Office Service.
- (b) Technical Library to include Air Force Technical Orders, Air Force Book Lists, and Air Force Specifications.
- (c) Emergency first aid, ambulance service, and hospitalization, on a reimbursable basis.
- (d) Fire protection service.
- (e) Perimeter security.
- (f) Base bus service.
- (g) Full range of weather data.
- (h) Maintenance of buildings and grounds.
- (i) Utilities.
- (j) RP-1 fuel.
- (k) Liquid oxygen and nitrogen.
- (l) Salvage function.
- (m) Security guards.

(10) Cooke Air Force Base, California: AMCLO will provide:

- (a) Temporary building space (administrative, shop, and storage).
- (b) Secondary contract administration.

(11) Cooke Air Force Base, California: LMBD will provide, if required:

- (a) Reproduction facilities.
- (b) Housing and messing.
- (c) Transportation.
- (d) Shop equipment.
- (e) Maintenance of CFE.
- (f) Punch card and data reduction service.
- (g) Laboratories (chemical, metallurgical, calibration standards).
- (h) Janitorial services.
- (i) Office and janitorial supplies.
- (j) Chemical fuels (UDME, etc).
- (k) Special lubricants.

NOTE: AMCLO at Cooke AFB has secondary contract administration.

of contractors performing functions at Cooke AFB and it is therefore imperative that contractors receive their guidance from this office prior to contracting for any service listed in paragraph (11) above. Equipment required to perform any of these services must be submitted in Facilities - Appendix "A" format to BEO/MCPI who will determine how the equipment will be provided to the contractor. This policy encompasses only that equipment required by a contractor to perform his contractual obligations within the continental limits of the United States and does not apply to equipment required for overseas use. Equipment required overseas that cannot be provided through AFR 11-4 agreements will be provided through the AFPM.

(12) AFMND Field Office, Palo Alto: LMBD will provide:

- (a) Total housekeeping support.

### 3. TRANSPORTATION:

a. The mode of transportation selected for a given purpose shall be determined by its adequacy, feasibility, practicality, and overall economy. Air transportation will be considered as a normal mode of transportation, but not necessarily the most economical. Other modes will satisfy the requirements of the NS-117L program as long as they are practical.

4. Normal commercial transportation facilities will be utilized by the contractors whenever such facilities are adequate, considering such factors as capability, security, delivery deadlines. The contractor should avail himself of the services of the AFPR in arranging for shipments by commercial means, exceeding 10,000 pounds or comprising truck-load, car-load, or plane-load lots. If the AFPR does not have a transportation representative assigned, AFPRM (ATTN: WDEMT) may be contacted for guidance and/or assistance.

5. Transportation requirements that must be satisfied by Military Airlift by reason of size, security aspects, delivery dates, etc., will be programmed through AFPRM (ATTN: WDEMT) and will be identified by the 5th of the fourth month preceding the month airlift is needed, i.e., by 5 August, requirements will be identified for December; FY67, with an estimate of January and February military airlift needs.

Military Transportation Requirements will include the following information:

- (1) Weight.
- (2) Maximum Cubic.
- (3) Dimensions of largest pieces.
- (4) Origin.
- (5) Destination.
- (6) Priority/Date.
- (7) Deadline delivery date.
- (8) Contact at origin (Name and telephone).
- (9) Contact and destination (Name and telephone).
- (10) Special pertinent remarks, i.e., classification, special handling requirements, etc.

6. The prime contractor will be responsible for insuring that Military Airlift requirements of subcontractors are identified accurately and in time.

THE STATE DEPARTMENT OF REVENUE  
DEPARTMENT  
SAN FRANCISCO AND DISTRICT OFFICES  
SAN FRANCISCO DISTRICT OFFICE  
SAN FRANCISCO, CALIFORNIA

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THE STATE DEPARTMENT OF REVENUE (24 2000)  
SAN FRANCISCO DISTRICT OFFICE  
SAN FRANCISCO, CALIFORNIA

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## APPENDIX

TO

ANNEX **B** LOGISTICS

TO

ORDER  
OPERATIONS MEMO NO. 1-58

LEGAL

Detachment 2, Sq, ARDC (AFEMD)  
Inglewood, California  
18 July 1958

### I. COURT MARTIAL JURISDICTION:

A. Court Martial Jurisdiction for military personnel assigned to WS 117L-Program-II-A will be the same as that exercised over Detachment 2, Sq, ARDC, (AFEMD).

B. Section IV of General Order No. 8, Sq, ARDC, dated 4 February 1958, would thus apply to airmen personnel assigned to AFEMD with duty stations assigned under the WS 117L-Program-II-A. Specifically, General and Special Court Martial Jurisdiction shall be exercised by the Commander, AFTEC, Edwards Air Force Base, Edwards, California, and Summary Court Martial Jurisdiction shall be exercised by the Commander, Detachment 2, Sq, ARDC (AFEMD).

C. Court Martial Jurisdiction and Article 15, UCMJ, over officers shall remain with the Commander, Sq, ARDC, Andrews Air Force Base, Washington, D. C.

### II. ADMINISTRATIVE BOARD PROCEEDINGS:

Administrative actions required by AFR's 35-62, 36-2, 39-16, 39-17, and other directives shall follow pertinent Air Force regulations and governed by the appropriate echelon of Court Martial authority enumerated in Section I above.

### III. ATTACHMENT FOR LEGAL AND ADMINISTRATIVE PROCEEDINGS:

If at some future date it is indicated that the military personnel assigned to WS 117-L-Program-II-A as tenant units should be attached for legal and administrative proceedings to the military organization they are on at their base, a coordinated request should be made to the General Court Martial Authority involved and the provisions of paragraph 5, AFR 11-4 may then be followed and utilized.

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IV. CLAIMS, LEGAL ASSISTANCE AND MILITARY AFFAIRS:

The military personnel assigned to WS-117L-Program-II-A will be permitted to utilize the legal services of the local Staff Judge Advocate for such matters as Claims, Legal Assistance, and questions involving Military Affairs.



AIR FORCE BALLISTIC MISSILE DIVISION  
FRANCHISERS  
AIR RESEARCH AND DEVELOPMENT OFFICE  
Post Office Box 252  
IRVINGTON, CALIFORNIA

SECRET  
TO  
AIRMAN "X" TRAINING  
TO  
RESEARCH CENTER NO. 1-2  
CONTROLLER

AIR RESEARCH AND DEVELOPMENT OFFICE (OR ADRO)  
AIRMAN "X" TRAINING  
Post Office Box 252

APPENDIX 4

to  
ANNEX "B" LOGISTICS  
to

OPERATIONS ORDER NO. 2-58

COMPTROLLER

Detachment 2, Hq AFMD (AFMD)  
Inglewood, Calif  
Date

1. Comptroller

a. The comptroller, AFMD, will carry out the comptroller functions and responsibilities as prescribed by Air Force Manual 170-6, dated 15 April 1958 and as they relate to the AFMD Field Office Palo Alto.

b. The Director of the Field Office will appoint an individual as a contact point to monitor all comptroller activities.

2. Budget

a. Budget estimates and financial plans prepared by AFMD will include provisions to support this office in the following areas:

- (1) Pay of authorized Department of the Air Force civilians.
- (2) Temporary duty travel of military personnel and Department of the Air Force civilians assigned to this activity. The Director of the Field Office will be required to submit his TDY fund estimate upon receipt of the call from AFMD.

b. All other support costs will be included in the support clause of the contract with "Lockheed".

3. Accounting and Finance:

a. The Accounting and Finance Division, AFMD, will provide the AFMD Field Office, Palo Alto with the following:

(1) A quarterly Obligation Authority will be issued to provide funds to facilitate the issuance of temporary duty travel orders.

(2) Finance service will be rendered to members assigned to the field office. This includes but is not limited to the payment of the regular monthly pay and allowances, per diem and travel expenses incurred while on temporary duty, miscellaneous types of claims submitted by military members for payment.

(3) When required, the payment of civilian personnel assigned to the field office.

Analysis

4. Management Analysis

a. Management analysis services will be provided by the AFSD as required.

5. Statistical Services

a. Normal statistical services for the liaison office will be provided by AFSD in accordance with applicable directives.

AIR FORCE BALLISTIC MISSILE DIVISION  
HEADQUARTERS  
AIR RESEARCH AND DEVELOPMENT COMMAND  
Post Office Box 262  
IRVINGTON, CALIFORNIA

APPENDIX 5  
TO  
ANNEX "B" INSPECTION

TO  
OPERATIONS ORDER NO. 2-58  
INSPECTION AND SECURITY

AF BALLISTIC MISSILE DIVISION (HQ, AMB)  
APPENDIX 5 TO ANNEX B TO  
Ops Order No. 2-58

APPENDIX 5  
to  
ANNEX B  
to  
OPERATIONS ORDER  
SERIAL NO. 2-58  
INSPECTION AND SECURITY

Detachment 2, Sq ARDC (AFEMD)  
Inglewood, California  
Date

1. INSPECTION:

a. The Commander, Air Force Ballistic Missile Division, will insure that necessary inspection services are provided for the Palo Alto Field Office.

2. SECURITY:

a. Visitor Control services, in accordance with existing AFEMD Visitor Control procedures, will be provided by the Commander, Air Force Ballistic Missile Division.

b. Classification guidance and security policies for WS-117L will be furnished by the Commander, Air Force Ballistic Missile Division, through the medium of Master Security Classification Guide for the weapon system.

c. Commander, Air Force Ballistic Missile Division, will make necessary arrangements for obtaining required internal security support from the Contractor for the Palo Alto Field Office.

AIR FORCE BALLISTIC MISSILE DIVISION  
HEADQUARTERS  
AIR RESEARCH AND DEVELOPMENT COMMAND  
Post Office Box 262  
Inglewood, California

APPENDIX 6

TO

ANNEX "B" LOGISTICS

TO

OPERATIONS ORDER NO. 1 - 58

MEDICAL

AF BALLISTIC MISSILE DIVISION (HQ ARDC)  
APPENDIX 6 to ANNEX B to  
Opn. Order No. 1-58

APPENDIX 6

TO

ANNEX "B" LOGISTICS

TO

OPERATIONS ORDER NO. 2 - 58

MEDICAL

AF Ballistic Missile Division  
(Hq ARDC)  
Inglewood, California  
(date)

1. GENERAL:

a. Within the Palo Alto area there are numerous Armed Forces medical facilities capable of providing out-patient and in-patient medical and dental care including most specialties for all military personnel. Facilities for dependent care at these military installations may be somewhat limited. There are, however, within this area many accredited civilian hospitals available to serve military dependents under provisions of the medicare program. AFMD Field Office, Palo Alto, will direct questions concerning medicare procedures to the medicare clerk of the California Physician Service located within the area.

b. Care for military personnel. AFMD will contact the Commander of the U.S. Navy Air Station, Moffett Field, to arrange for in-patient and out-patient medical and dental care for all assigned military personnel.

c. Dependents of military personnel.

(1) Out-patient service. The Navy medical facility at Moffett Field will be requested to furnish out-patient medical care within their capability. Beyond this, dependent out-patient care may be furnished by any Armed Forces medical facility located in the area. Dependents should contact a medical facility by telephone prior to a visit for medical treatment.



(2) In-patient service. If this service is not available at a military facility, hospitalization is covered by the medicare program as outlined in AFR 160-41.

d. Emergencies.

(1) Emergencies will be cared for at any time by any military medical treatment facility.

(2) Emergency treatment for military personnel at civilian institutions is authorized by AFR 160-53.

(3) Civilian emergency medical treatment for dependents is furnished in accordance with the provisions of AFR 160-41. The requirements of this regulation are known to all civilian hospitals and clinics in the area.

e. Dental care. Military personnel assigned will contact nearest dental office for care and appointments. Request for dependent care may also be made; however, it is extremely doubtful that such care <sup>will</sup> ~~is~~ be given.



AIR FORCE BALLISTIC MISSILE DIVISION  
HEADQUARTERS  
AIR RESEARCH AND DEVELOPMENT COMMAND  
Post Office Box 262  
Inglewood, California

APPENDIX

TO

ANNEX "B" LOGISTICS

TO

OPERATIONS ORDER NO. 1-58

INFORMATION SERVICES

AF BALLISTIC MISSILE DIVISION (HQ ARIC)  
APPENDIX to ANNEX B to  
Ops. Order No. 1-58

APPENDIX 67

TO

ANNEX "B" LOGISTICS

TO

OPERATIONS ORDER NO. 1-58  
INFORMATION SERVICES

AF Ballistic Missile Division

(HQ AFMDC)

Inglewood, California

(date)

1. COMMAND RELATIONSHIP:

The AFMDC Field Office, Palo Alto, will be responsible to the Commander, AF Ballistic Missile Division for Information Services throughout Program IIA.

2. RESPONSIBILITY:

All public release information concerning the activities of the Field Office <sup>will be released by</sup> ~~is subject to the approval of~~ the Director, Information Services Office, AFMDC.

3. MISSION REQUIREMENTS:

The AFMDC Field Office, Palo Alto, will be responsible for:

a. Supervision of all actions necessary to establish and maintain a sound and aggressive information program including public and internal information, community relations and historical activities:

b. Advising the Commander on all matters concerning the Field Office information program and implementation thereof.

c. Advising the Director, Information Services Office, AFMDC on matters which might be expected to arouse public interest and/or press inquiries resulting from their assigned mission.

APPENDIX D  
TO  
ANNEX "B" LOGISTICS  
TO  
OPERATIONS ORDER NO. 2-58  
PERSONNEL

Attachment - 2, AFMND  
Inglewood, California  
Date

MILITARY PERSONNEL:

1. The Chief, AFMND Field Office, Palo Alto, is directly responsible to the Commander, AFMND, for the management of all AFMND military personnel assigned to the NS 117L Task Organization. The Commander, 6993d Test Squadron (Special) will be directly responsible to the Chief, Field Office for the management of personnel assigned to the 6993d Test Squadron (Special). Specific responsibilities are as follows:

a. Personnel Procurement:

(1) The Chief, Field Office is responsible for personnel planning and providing the specific personnel requirements data:

(2) The Commander, AFMND, will be responsible for the meeting of the AFMND Field Office, which includes the 6993d Test Squadron (Special). This responsibility will include the preparation and submission of all officer and aircraft personnel requirements for initial and attrition requirements. Areas of personnel procurement responsibilities are as follows:

b. Reassignments:

(1) The Chief, Field Office will be responsible for determining necessity for reassignments within the Task Organization and will initiate pertinent reassignment requests.

(2) AFMND will accomplish the reassignment of all individuals within the elements of the NS 117L Task Organization and will screen and process all reassignment requests from NS 117L Task Organization elements.

c. Military Personnel Records System:

(1) AFMND will maintain the military personnel records for all AFMND personnel assigned to the NS 117L Task Organization, except personnel assigned to the 6993d Test Squadron (Special).

(2) The maintenance of the military personnel records for personnel assigned to the 6993d Test Squadron (Special) will be the responsibility of the:

No Spm  
Do this  
Worm

(a) Commander, 117th Air Force Group, Riverside Air Force Base, while on TDY threat from approximately August 1958 to December 1958 and

(b) Commander, 117th Air Force Group, Riverside Air Force Base, when unit arrives, PCS threat approximately December 1958.

4. Medical and Physical will accompany the individual to his duty station for use in securing medical support necessary for the installation to which the element is attached for administration and logistic support.

e. Promotions.

(1) Officer promotion program.

(a) AFPMO will prepare and submit necessary reports as required to implement temporary promotion program.

(b) AFPMO will exercise temporary promotion authority under AFM 36-13, 36-24, 36-30, 36-45, 36-56, and 36-51.

(2) Airman promotion program.

(a) AFPMO will exercise temporary promotion authority over O-1 airman temporary promotion program.

(b) The Chief, Plans Office will provide the promotion nominees based on current eligibility criteria.

(c) The AFPMO Airman Program Officer will make first selection of airman to be promoted.

f. Separations.

(1) AFPMO will review and process requests for separation actions originating within the US 117L Task Organization when final authority is retained by HQ AFPMO and HQ USAF, and initiate final action when authority for such action rests with AFPMO.

(2) The Chief, Plans Office will provide recommendations for all separation actions.

5. On-The-Job-Training The Commanding Officer will be responsible for the OJT programs of the US 117L Task Organization.

Personnel Services AFPMO will administer the personnel services program of the US 117L Task Organization. Coordination with military organizations adjacent to the station will be accomplished to provide adequate personnel services for the 117L Task Organization.

D. SERVICES:

1. The commander, AFPMO, will coordinate the relief personnel assigned to elements of the WS 117L Task Organization in central and southern California. Elements located in other geographical areas, including Hawaii, will be reported to the nearest Air Force Central Civilian Personnel Office.

E. PERSONNEL REPORTING:

1. AFPMO will be responsible for the preparation and submission of morning reports for the WS 117L Task Organization, including the 6593d Test Squadron (Special). Morning reports for that organization will be submitted on the base unit to which attached for administrative support.

2. The Chief, Field Office will be responsible for forwarding the morning reports to AFPMO for those personnel attached to the WS 117L Task Organization, including the 6593d Test Squadron (Special).

3. The Commander, Field Unit (Special) will submit to AFPMO all transmitted reports as to Aircraft Crew Status to AFPMO and to the Chief, AFPMO Field Office whenever a change occurs in crew member status, such as flight assignment, transfers, leave, etc.

APPENDIX 9  
TO  
ANNEX "B" LOGISTICS  
TO  
OPERATIONS ORDER NO. 2-58  
MANPOWER

Detachment 2, Hq ARDC (AFEND)  
Inglewood, California.  
Date

1. GENERAL:

a. Tasks outlined herein are effective 15 August 1958. Staff assistance will be provided the AFEND, Field Office, Palo Alto, as required, by the Manpower Division, AFEND.

b. Activities directly supporting the WS 117L Task Organization are:

- (1) Headquarters Alaskan Air Command
- (2) Headquarters Pacific Air Force
- (3) Naval Surface Element Recovery Force, Pearl Harbor, T.H.
- (4) 6486th Air Base Wing, Hickam Air Force Base, T.H.
- (5) 552d ABW & C Wing (ADC), McClellan Air Force Base
- (6) 6510th Air Base Group, Edwards Air Force Base, California
- (7) AFEND Field Office, Cooke Air Force Base

2. PURPOSE:

a. The primary purpose of this document is to provide guidance to the Chief, AFEND Field Office, Palo Alto and all elements in support of the WS 117L Task Organization as to applicable procedures for programming manpower requirements and processing organizational actions.

3. MANPOWER REQUIREMENTS:

a. The provisions of AFEND Installation Regulation 20-1 will be applied with by the ARDC units of the WS 117L Task Organization in programming and submission of their manpower requirements.

b. Other activities in support of the WS 117L Task Organization will be responsible for programming their manpower requirements to this mission.

4. UNIT MANNING DOCUMENT and MANPOWER PROGRAM DOCUMENT PROCEDURES:

a. AFEND will be responsible for the preparation, approval, and publishing of Unit Manning Documents for all assigned elements of the WS 117L Task Organization. See Tabs 1 and 2 for initial manpower requirements.



4. AFMMD will publish, distribute, and maintain the manpower and organizational program documents for the WS 117L Task Organization.

5. REPORTS:

a. The Chief, Manpower Division, AFMMD, will be responsible for all manpower reports pertaining to the WS 117L Task Organization required by higher headquarters.

US 117L TASK ORGANIZATION

FIELD

1. Commanding General's Office

a. Command, Admin & A/G Support

1st Col	8116
1st Lt	1816
1st Sgt	70870
1st Sgt	43171A
1st Sgt	43151A
1st Sgt	70450

b. Logistics Staff

1st Lt 8116

c. Operations Staff

1st Lt	1816
1st Lt	1816 (Deploy & Admin during operation)
1st Sgt	70450

d. RAD Staff

1st Lt	8116
1st Lt	8405
1st Sgt	70450

e. Communications & Electronics Staff

1st Lt	1016
1st Lt	1016 (Deploy & Admin during operation)
1st Lt	1016 (Deploy & Admin during operation)

f. Signal Structure (Recovery Force)

1st Lt 8116 (As McCallister AMM)

g. Admin Staff

h. AMM Reconnaissance Mission

1st Col	8116
1st Sgt	70450

i. Tracking Station #1

1st Lt	8116
1st Sgt	8405



3. Tracking Station #2

Maj 8116  
Capt 8686

4. REMAIIAN UNIT

a. Recovery Force Coordinator

Col 8116  
Maj 7030

b. Naval Force Directors (Recovery)

Maj 8116  
Capt (2) 8116

4. Tracking Station #3

Maj 8116  
Capt 8686

5. GENERAL DATA UNIT

a. Ft. Hays Naval Missile Test Center

Maj 8686  
Maj 7030

b. Laboratory Ship

Maj 8686

TABLE 1

TABLE 2

14 Oct	1	2/200 2	017	6 (Gr)
Maj	20	2/200 2		
Capt	1	2/200 2		6 (Gr)
	20			

4574 Test 24 (Special is also an element of this Test Center  
Remain Unit.

UNIT Manning Document - PART II - AUTHORIZATION

NO NUMBER	COMMAND	SUBCOMMAND	DATE
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ORGANIZATION AND LOCATION  
**C-1191 UNIT OF W-0171 TASK ORGANIZATION**

FUNCTION CODE	TITLE	GRADE	AFSC	CAT	SUB PROJ NO.	AUTHORIZATIONS			
						TOTAL	TEMP	PERM	AVAIL
01000	COMMAND Commander	LTC	1055P						
03000	UNIT ADMIN Personnel Off Admin Clerk First Sergeant Apr Pers Specl Pers Specl Pers Specl	OPT ALO MSG ASG ALO MSG	7324 70250 73170 73230 73250 73250						
04000	UNIT SUPPLY Supply Officer Apr Orga Supply Specl Orga Supply Specl Orga Supply Specl Orga Supply Supv	OPT ASG ALO MSG MSG	6424 64131 64151 64151 64173						
67000	PER EQUIP SERV Apr Per Eq Specl Per Eq Specl Per Eq Specl Per Eq Supv	ASG ALO MSG MSG	92230A 92230A 92230A 92270A						
80010	AIRFT MAINT Aft Maint Officer Apr Aft 1 or 2 Eng Mec Aft 1 or 2 Eng Mec Aft 1 or 2 Eng Mec Aft Maint Insp Aft Maint Insp Crew Chief Flight Chief Line Chief Apr Admin Clerk Admin Clerk	OPT ASG ALO MSG MSG MSG MSG MSG MSG ASG ALO	4344 43171A 43171A 43171A 43171A 43171A 43171A 43171A 43171A 43171A 70230 70250						
80020	AIRFT OPERATION Pilot Troop Carrier Pilot Troop Carrier Pilot Troop Carrier Air Operations Off Navigator Navigator Navigator Air Oper Specl Air Oper Supv Apr Loadmaster Apr 1 or 2 Eng Mec Apr Load Specl Apr Load Master Admin Clerk	1F OPT MSG MSG 1F OPT MSG ALO MSG ALO MSG MSG MSG MSG ALO	1055P 1055P 1055P 1055P 154 154 154 27180 27170 43152 43171A 43152 60153 70250						



UNIT MANNING DOCUMENT - PART II - AUTHORIZATION

US NUMBER

COMMAND

BRIGADE

DATE

ORGANIZATION AND LOCATION

C-119J UNIT OF WE-117L TASK ORGANIZATION

FUNCTION CODE	TITLE	GRADE	AFSC	CAT	SUB PROJ NO.	AUTHORIZATION			
						TOTAL	SALARY		
							TOTAL	OF	BASE
	GRADE HBOAP	1TC MAJ CPT 1P							
		1SG 1SG 1SG 1SG 1SG							
		TOTAL							

AIR FORCE BALLISTIC MISSILE DIVISION  
HEADQUARTERS  
AIR RESEARCH AND DEVELOPMENT COMMAND  
Post Office Box 262  
Inglewood, California

ANNEX C  
TO  
OPERATION ORDER  
SERIAL NO. 2-58  
COMMUNICATIONS - ELECTRONICS

AIR FORCE BALLISTIC MISSILE DIVISION (HQ ARDC)  
ANNEX C to Opn. Order No. 2-58



ANNEX C

TO

OPERATIONS ORDER AFMD 2-58  
COMMUNICATIONS - ELECTRONICS

AF Ballistic Missile Division  
(ARDC)  
Inglewood, California

PART I

INDEX AND INSTRUCTIONS

1. TABLE OF CONTENTS

Title Page . . . . .

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- 4. Administrative Instructions . . . . .

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- 5. General Remarks
- 6. Types of Communications

Part III COMMUNICATIONS-ELECTRONICS MISSION . . . . .

- 7. Mission . . . . .
- 8. Operating Stations . . . . .

2. TABLE OF APPENDICES . . . . .

- a. Equipment and Circuit Network (I) . . . . .
- b. Equipment and Circuit Listing, CAFE Tracking Site (II) . . . . .
- c. Equipment and Circuit Listing, CAFE Control Center (III) . . . . .
- d. Equipment and Circuit Listing, Point Mugu (IV) . . . . .
- e. Equipment and Circuit Lockheed Computer (V) . . . . .
- f. Equipment and Circuit Lock Control Center (VI) . . . . .
- g. Equipment and Circuit Philco Computer (VII) . . . . .
- h. Equipment and Circuit Anasata (VIII) . . . . .
- i. Equipment and Circuit Kodak (IX) . . . . .
- j. Equipment and Circuit Essex (X) . . . . .

3. TABLE OF REFERENCE MATERIAL: See Part I, paragraph 2 and 4.

4. ADMINISTRATIVE INSTRUCTIONS:

a. This annex has been written to conform with AFMCI Operations 2-3, and is published as an interim information document. Only general C-2 data and information is contained herein as detailed firm information in the C-2 area is dependent on final operational concept. Estimated publishing date of the formal C-2 annex is 15 September 1958, at which time this annex will be destroyed.

PART II

INTRODUCTION

5. GENERAL REMARKS:

a. The communication system for Phase II, W-117U provides immediate support for the information communication system and provides support for station operations. In general, this system serves two purposes:

(1) It provides terminals for the information communication system, linking all stations, and

(2) It provides communications for station operations, teletype, data, speech, and voice circuits to and from other station terminals on the station communication equipment, which routes the circuits to and from other stations within the station. Also, the system provides data, teletype, telephone, and telegraphing circuits necessary for proper station operations. The station communication equipment requirements, circuit requirements, and routing requirements are described in Part III and illustrated in Appendix I.

(3) All communication facilities and equipment, with the exception of those provided by the U.S. Navy, are commercially leased from the AT&T, Hawaiian Telephone Company, P&H Company, General Telephone Company, and Alaska Communications System.

6. TIPE OF COMMUNICATIONS:

a. Interstation

(1) Digital data communication circuits are required between the station tracking equipment and the interstation teletype equipment. These circuits provide interconnections between the M2 II radar, the AN/TM-18, and the Duplex equipment for control, display, and connect these equipments as follows:



automatic tape perforators located in the central communication areas.

(2) A voice telephone system interconnecting the operators and operators is required for use during each tracking pass. In addition, numerous display, and control circuits are required.

(3) Voice telephone communications are required for administrative activities and to conduct routine maintenance, checkout, calibration, and other official activities.

(4) Voice paging communications are required to conduct operations and general administrative activities, such as announcements of an administrative nature, local countdown information and instructions from the operations center prior to and during operations.

**3. Line Lines:**  
(1) Long line multiplex alternate voice and AFD WPM teletype circuits, and 50 WPM teletype circuits interconnect all stations involved in the Phase IIA program. The detailed operating station listing for this system, including equipment requirements and circuits requirements, is further defined in Part III and illustrated on Appendix I.

### PART III

#### COMMUNICATIONS - ELECTRONIC MISSION:

**1. MISSION:**  
(1) The communication-electronic mission is to plan, provide, install, operate and maintain communication-electronic equipment capable of fast start-up, reliable and flexible circuits within the individual stations and between individual stations.

#### 2. OPERATING STATIONS:

##### a. COCKE AIR FORCE BASE:

(1) This station includes launching, tracking, command control, and telemetry receiving station facilities required during the launch phase of flight. The tracking, demand, and telemetry station is also required for subsequent orbital passes.

(2) The communications center is located in the communications center building. All communications will be handled through this center. Equipment, circuits, and operational usage required for this station is listed in Appendix I and II.

**D. POINT MERRI**

(1) This station is required for the launch phase of flight and consists of tracking, command control, and telemetry receiving facilities. Station configuration is a mobile facility.

(2) Equipment, circuit and operational usage required for this station are listed in Appendix IV.

**E. PALM ALTO**

(1) This station consists of a ship-borne telemetry receiving station located down-range of the launch site and will be equipped and operated as follows:

**F. PALM ALTO**

(1) This station serves as a command center and consists primarily of tracking equipment. Station equipment will consist of the 1103 Lockheed, the 2-200 Philco and a communications center located near the Lockheed equipment.

(2) Three locations, viewed as the operations control center, tracking computer, and Philco computer, all exist at Palm Alto.

(3) Equipment, circuit and operational usage required for this station are listed in Appendix V, VI, and VII.

**G. ANNEKE ISLAND AND KODIAK**

(1) These stations are required prior to flight for tracking, command and telemetry reception. In addition to monitoring the launch, the stations will be used to command re-entry of the recoverable capsule and to monitor the recovery path.

(2) Equipment, circuit and operational usage required for this station are listed in Appendix VIII and IX.

**H. HAWAII**

(1) This station is required for tracking, command and telemetry reception. This station monitors the vehicle in orbit and during the re-entry phase.

(2) Equipment, circuit and operational usage required for this station are listed in Appendix X.

**I. GENERAL NOTES**

(1) The general notes will consist of the following:

AIR FORCE BALLISTIC MISSILE DIVISION

HEADQUARTERS

AIR RESEARCH AND DEVELOPMENT COMMAND

POST OFFICE BOX 262

Inglewood, California

ANNEX D

TO

OPERATIONS ORDER

SERIAL NO. 2-58

INSTALLATIONS

AIR FORCE BALLISTIC MISSILE DIVISION (HQ AFSD)

ANNEX D TO OPX ORDER NO. 2-58

ANNEX D  
TO  
OPERATIONS ORDER  
SERIAL NO. 2-58  
INSTALLATIONS

Detachment 2, Hq, ARDC (AFB)  
Inglewood, California  
date -

I. GENERAL

a. For the most part all actions concerning the development of facilities required to support Program IIA have been accomplished. The AFBMD Field office, Palo Alto, should be prepared to assist, however, in facility planning for later scheduled WS-117L programs.

II. ACQUISITION OF FACILITIES TO SUPPORT PROGRAM IIA

- a. Site Selection: Site selection and acquisition of sites has been accomplished by BMD.
- b. Master Planning: Master planning of facilities has been accomplished by BMD.
- c. Programming: The necessary technical and support facilities have been programmed by BMD.
- d. Design: The design of technical and support facilities has been completed.
- e. Funding: Funds for construction have been received and made available to the Corps of Engineers, and the Naval District.
- f. Construction: Facilities are under construction with a BOD date of September 1958.
- g. Down Range Telemetry Ship will be provided by Pacific Missile Range. However, leasing, modification, and operation costs will be funded by WS-117L.