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Headquarters Air Force Systems Command
Andrews Air Force Base
Washington, D.C. 20331

Operation Order
For Support Of The
Manned Orbiting Laboratory (MOL) Program
4 August 1966

Operation Order No. 66-3

DOWNGRADED AT 3 YEAR INTERVALS,
DECLASSIFIED AFTER 12 YEARS.
DOD DIR 5200.10

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The individual paragraphs, sections, and annexes of this operation order are UNCLASSIFIED; however, the contents of the basic order and the annexes thereto when combined into the total, overall order, are classified CONFIDENTIAL and will be protected in accordance with AFR 205-1.

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Operation Order No. 66-3 Headquarters Air Force Systems Command
4 August 1966

References:

- A. Secretary of the Air Force Order No. 117.4, 25 August 1965, Subject: Director of the Manned Orbiting Laboratory (MOL) Program.
- B. Secretary of the Air Force Memorandum to Director, MOL Program, 25 August 1965, Subject: Authority to Proceed with Development of MOL.
- C. MOL Program Office Directive 65-1, Management of the MOL Program, 25 August 1965.
- D. MOL Government Plan for Program Management, August 1965.
- E. MOL Information Plan, Office of Information, Department of the Air Force, 5 January 1966.
- F. Memorandum of Agreement Between Headquarters, National Range Division and Headquarters, Space Systems Division, Regarding On-Orbit Test Support Responsibilities and Relationships, 14 June 1966.
- G. Director, MOL Memorandum For Deputy Director, MOL Program, Subject: Application of 375-Series Management Procedures to MOL, 21 November 1965.

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I. TASK ORGANIZATION

A. Headquarters, Air Force Systems Command and all subordinate organizations constitute the task organization that will support the MOL Program under the provisions of this Operation Order, and as may be determined by the Commander, Air Force Systems Command.

B. Cooperating Agencies outside of the Air Force Systems Command are as follows:

1. NASA
2. DoD Manager for Manned Space Flight Support Operations
3. Department of the Army
4. Department of the Navy
5. Headquarters, United States Air Force
6. Strategic Air Command
7. Military Airlift Command

II. GENERAL SITUATION

A. By memorandum, dated 25 August 1965 (Ref B), the Secretary of the Air Force authorized development of a Manned Orbiting Laboratory (MOL) system. In view of the nature, scope and importance of the MOL Program, special management arrangements have been placed in effect. The streamlined Air Force management structure for the MOL Program is designed to insure that program management is responsive to approved program policy and guidance and is capable of conducting the program within cost ceilings while meeting schedules and performance goals.

B. The Secretary of the Air Force (SecAF) is responsible for executive management, final review and approval of the MOL Program. He is assisted by the MOL Policy Committee.

C. The Director, MOL Program, reports directly to the SecAF and is responsible for the management and conduct of all aspects of the approved MOL Program in accordance with the guidance and policies established and approved by the SecAF.

D. The office of the Director, MOL Program, designated the MOL Program Office, is located in the Pentagon. This office is a staff element of the Office of the SecAF, includes a permanently assigned general officer as Vice Director, MOL Program, and is manned with Air Force Systems Command personnel augmented by representation from other government agencies. The Vice Director acts with the full authority of the Director, except for those responsibilities specifically

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reserved to the Director, and actions taken by him shall have the same force and effect as though taken by the Director.

E. The Director, MOL Program, has established a MOL Systems Office at the Air Force Space Systems Division, Los Angeles Air Force Station, California. This office is a staff element of the Office of the SecAF and is directed by a permanently assigned general officer designated Deputy Director, MOL Program, who reports directly to the Director. The Deputy Director is also designated Deputy Commander (SSD) for MOL. He is responsible for implementing all program direction for system procurement, design, development, test, and evaluation.

F. Funds approved by the Office of the Secretary of Defense (OSD) will be issued through normal Air Force Systems Command budget channels to the Deputy Director, MOL Program. Necessary Determination and Findings (D&F) actions will be prepared by the Deputy Director and forwarded to the Director for direct submission to the Office of the SecAF except where specific exceptions are specified in this order (Annex I).

G. Systems management of the MOL Program will be conducted within the intent of the 375-series of regulations and manuals, with selective application of individual provisions of these directives permitted whenever full implementation would be prejudicial or inappropriate to the MOL effort. The Deputy Director, MOL Program, has been authorized to waive provisions of these regulations and directives as he considers appropriate.

H. All Air Force Systems Command organizations will provide support as required by the Director, MOL Program. Except for such required support, Air Force Systems Command will have no direct involvement in the MOL Program management and will not be in the line of program review and approval. Staff support from the Air Force Systems Command in the implementation of 375-series directives and manuals will be made available as necessary at the request of the Deputy Director, MOL Program.

I. The objective of the MOL Program information policy is to provide a carefully planned program adequate to respond to legitimate public interest and to cope with potential international repercussions; it is not to generate publicity. Prior approval for all proposed information activity must be obtained through channels from the Office of the Assistant Secretary of Defense/Public Affairs.

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III. MISSION

The mission of the Air Force Systems Command, with regard to the MOL Program, is to provide on a continuing priority basis the facilities, resources, and personnel necessary to support the MOL Program.

IV. SPECIFIC TASKS

A. Headquarters Air Force Systems Command

Deputy Commanders, Deputy Chiefs of Staff and Chiefs of Special Staff Offices will provide support to the MOL Program in their respective functional areas and as outlined in the following annexes to this Operation Order.

1. Deputy Commander for Global Range (Annex A).
2. DCS/Plans (Annex B).
3. DCS/Comptroller (Annex C).
4. DCS/Bioastronautics & Medicine (Annex D).
5. DCS/Procurement & Production (Annex E).
6. DCS/Personnel (Annex F).
7. DCS/Materiel (Annexes G, H, and I).
8. DCS/Foreign Technology (Annex J).
9. Staff Meteorologist (Annex K).
10. Office of Manpower & Organization (Annex L).
11. Inspector General (Annex M).

B. Air Force Systems Command Divisions, Centers & Ranges

1. Overall Responsibility:

Be responsible to the Commander, Air Force Systems Command, for providing on a continuing basis, consistent with assigned missions, the facilities, resources and personnel necessary to support the conduct of the MOL Program.

2. Specific Responsibilities:

a. Establish the necessary procedures to support the MOL Program on a priority basis when requested. When and if appropriate, appoint a MOL project officer to be the direct point of contact for all MOL support. Furnish his name, rank, organization, and telephone number to the Vice Director, MOL Program, Office of the Secretary of the Air Force, and to the Deputy Director, MOL Program, Los Angeles Air Force Station, California.

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b. Be knowledgeable of and responsive to MOL Program requirements to the extent necessary to adequately discharge technical/test/operational support responsibilities.

c. Inform Commander, Air Force Systems Command, and Deputy Director, MOL Program, where specified requirements cannot be met due to limitations beyond direct Division, Center, or Range control; i.e., conflicts between required support and other high priority work, equipment availability, personnel assignments, manpower allocations, or funds.

d. Exercise security measures consistent with the mission and urgency of the MOL Program.

C. Space Systems Division (SSD)

In addition to the tasks of all Air Force Systems Command elements as noted above, SSD has the following tasks:

1. The Satellite Control Facility (SCF) and the 6595th Aerospace Test Wing (ATW) have pre-launch, launch, and on-orbit responsibilities as prescribed in Paragraph 4.1 of the MOL Government Plan for Program Management, August 1965 (Reference D).

2. SSD will provide administrative and staff service support as requested by the Deputy Director, MOL Program.

D. National Range Division (NRD)

In addition to the tasks of all Air Force Systems Command elements as noted above, NRD responsibilities include:

1. Accomplishing range test support planning in response to the test plans of the Deputy Director, MOL Program.

2. Assuring the adequacy of range test support resources in conformance with the test plans of the Deputy Director, MOL Program, and the test support planning of NRD.

3. Providing the planning interface for the Deputy Director, MOL Program, and the AFSCF for use of range or network resources of the NASA, Army, and Navy in support of the MOL Program.

E. Headquarters Air Force Systems Command Elements and All Command Organizations

Report immediately to the Commander, Air Force Systems Command any problems or situations which could have an adverse impact on the ability to satisfactorily support the MOL Program.

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V. CHANNELS OF COMMUNICATION

Headquarters Air Force Systems Command staff elements and all Air Force Systems Command Divisions, Centers, and Ranges are authorized direct communications in MOL-related matters with all echelons of the MOL management organization, except as such communications are specifically restricted in the Annexes hereto.



W. A. DAVIS, Lt General, USAF
Vice Commander

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DISTRIBUTION LIST

Deputy Commanders, Deputy Chiefs of Staff, Chiefs
of Special Staff Offices down to include Directors

Divisions, Centers, Ranges (Commanders)

Deputy Chief of Staff/R&D, Hq USAF

Director, Vice Director, Deputy Director, MOL Program

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ANNEX A

DEPUTY COMMANDER FOR GLOBAL RANGE

I. TASK ORGANIZATION

- A. Deputy Commander for Global Range.
- B. Headquarters National Range Division (NRD).
- C. Air Force Eastern Test Range (AFETR).
- D. Air Force Western Test Range (AFWTR).

II. GENERAL SITUATION

Streamlined, simplified and direct procedures will be instituted for range support of the MOL Program. Overall responsibilities for MOL Program pre-launch, launch, and on-orbit operations are prescribed in Paragraph 4.1 of the MOL Government Plan for Program Management, August 1965, (Reference D).

III. MISSION

The mission of all elements of the Task Organization is to provide, on a priority basis, test support planning and test support as required and requested in behalf of the MOL Program and programs which directly support MOL.

Test support planning is that planning conducted by Headquarters NRD, the AFETR, and the AFWTR to identify and commit test support resources to satisfy the test plan requirements for pre-launch, launch, on-orbit and recovery support. This planning includes the timely preparation of test support plans in response to test plans and schedules prepared by the MOL Systems Office.

Test support is that support provided by the AFETR, and the AFWTR and includes tracking, telemetry, control, data acquisition and processing, facilities and associated services provided to the MOL Program as a supplement to SSD test support activities during the pre-launch, launch, on-orbit and recovery phases of MOL missions.

IV. SPECIFIC TASKS

A. Test Support Planning

Headquarters NRD will provide test support planning in response to the requirements of the MOL Program. When appropriate, Headquarters NRD will delegate the test support planning function to AFWTR and AFETR as necessary.

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B. Launch Support

The Air Force Western Test Range and Air Force Eastern Test Range will provide launch support (to include pre-launch) as required by the MOL Program. The launch range will deal directly with other national and service ranges as necessary for launch range support. These requirements will also be furnished to Headquarters NRD for test support planning and task assignment.

C. On-Orbit Support

The AFWTR and AFETR will provide on-orbit support as a supplement to the SCF support when required by the MOL Program. The provisions of the Memorandum of Agreement Between Headquarters, National Range Division and Headquarters, Space Systems Division Regarding On-Orbit Test Support Responsibilities and Relationships, dated 14 June 1966, will apply.

D. Recovery Support

The Air Force Western Test Range and Air Force Eastern Test Range will provide recovery support as directed by competent authority.

V. CHANNELS OF COMMUNICATION

To be determined.

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ANNEX B

DEPUTY CHIEF OF STAFF/PLANS

I. TASK ORGANIZATION

- A. Headquarters Air Force Systems Command, Deputy Chief of Staff/Plans.
- B. Advanced planning activities of subordinate organizations.

II. GENERAL SITUATION

To assist in the execution of his responsibilities as Director, Manned Orbiting Laboratory (MOL) Program for the conduct of advanced study, research, development, test, and improvement of performance and effectiveness of manned military satellite vehicles, the Director, MOL Program, has established a Directorate for Advanced Studies in the office of the Deputy Commander for Space, Air Force Systems Command. The Director for Advanced Studies reports to the Director, MOL Program, through the Deputy Commander for Space. The Deputy Chief of Staff/Plans also has planning responsibilities and activities in the area of manned space flight. To insure that the space planning activities of the Air Force Systems Command are fully coordinated, joint discussions between the Director, MOL Program, the Deputy Commander for Space and the DCS/Plans will be held to discuss and coordinate planning activities of mutual concern.

III. MISSION

The Deputy Chief of Staff/Plans is responsible for planning necessary to insure the continued capabilities of the Command to accomplish its basic mission, planning to advance the state of aerospace technology, and preparing guidance for the direction and integration of the overall Air Force Systems Command planning effort (TWP).

IV. SPECIFIC TASKS

A. The Deputy Chief of Staff/Plans will include in space planning activities provisions for manned space systems along with other candidate space systems in the areas of maneuvering spacecraft, space rescue, economics of space operations, and future planning areas. These advanced systems will be studied under the Space Studies line item for which Deputy Chief of Staff/Plans is the Office of Primary Responsibility. Advanced and growth versions of MOL may be included in these activities and studies when authorized by the Director, MOL Program, or upon the request of the MOL Program Office.

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B. General technical facilities required in support of the MOL Program will be processed by the Director of Air Force Systems Command Resource Planning, Deputy Chief of Staff/Plans.

C. Deputy Chief of Staff/Plans will, through the Space Principles, Applications & Doctrine (SPAD) Management Group, Directorate of Systems Planning, maintain an interface with the MOL Program Office on future manned space flight activities. The services of the data bank being developed by the SPAD Management Group and the results of the concepts analyses being accomplished by this group are available to the MOL Program.

D. Headquarters Air Force Systems Command, PROM Central Directorate, Deputy Chief of Staff/Plans will include MOL, and advanced versions of MOL in their overall analysis program when specifically requested by the Director, MOL Program. Specific analyses involving MOL will be coordinated with the MOL Program Office.

V. CHANNELS OF COMMUNICATION

No exceptions are necessary to the basic Operation Order. Direct communications are authorized between all levels of the Manned Orbiting Laboratory Program and all levels of Deputy Chief of Staff/Plans and the planning activities of subordinate units.

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ANNEX C

DCS/COMPTROLLER

I. TASK ORGANIZATION

There will be no formal Comptroller organization established for the Manned Orbiting Laboratory. Comptroller services will be provided by the supporting Divisions, Centers and Ranges, with SSD providing the major portion of the service.

II. GENERAL SITUATION

The general guidelines for financial management of the MOL Program are established by Assistant Secretary of the Air Force Memorandum, dated 18 January 1966. This policy statement closely aligns MOL Program financial management to the procedures created for SAF Special Projects but does not designate the MOL Program as a Special Project. The Air Force Systems Command and its subordinate organizations are enjoined from utilizing normal Air Force Systems Command financial management procedures on this program by this extract from the SAF-FM memorandum: "With respect to reporting through normal channels, neither Air Force Systems Command nor SSD will have the authority or responsibility to conduct analyses and reviews of program and financial reporting data." Accordingly, this annex will establish financial management procedures to be utilized by Air Force Systems Command Headquarters staff offices and participating supporting Divisions, Centers, and Ranges. Separate instructions will be established by agreement with other major commands or government agencies, if and when necessary.

III. MISSION

The mission of the Air Force Systems Command Comptroller organization, with regard to the MOL Program is to provide on a continuing basis the services pertaining to the functions of Accounting and Finance, Program/Budget, Cost Analysis, Data Systems and Statistics, and Management Analysis.

IV. SPECIFIC TASKS

A. Accounting and Finance

Services will be provided by the SSD Accounting and Finance staff covering:

1. Normal recording of Program Authorization, Budget Authorization and Allotment.

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2. Status information on the initiation, commitment, obligation and government expenditure of funds identified to the MOL Program. This information will be included in the financial management reports prepared by SSD.

B. Cost Analysis

1. Headquarters Air Force Systems Command Cost Analysis Directorate will provide:

a. As requested by the MOL Program Office the required support to verify, review, or analyze cost estimate submissions.

b. As requested by the MOL Program Office, MOL Systems Office, or SSD Cost Analysis Office, assistance in resolving any problems encountered in the proper application of AFSCCL 173-1, 173-2, and 173-3 and related portions of this Operation Order.

2. SSD Cost Analysis Office will supply as requested by the MOL Systems Office, support consistent with other planned priority programs within Air Force Systems Command. This support will be rendered on a professional level, working consultant basis to provide:

a. Assistance and guidance in the proper application of AFSCCL 173-1, Cost Estimating Procedures for a verifiable cost estimate.

b. Assistance and guidance in the proper application of AFSCCL 173-2, Cost Information System Procedures for the systematic collection of data. Data that does not violate the MOL Program special security restrictions will be processed into the SSD Cost Data Bank.

c. Assistance and guidance in the proper application of AFSCCL 173-3, Estimate Tracking Procedures, for uniform documentation of changes to any type of official cost estimate.

C. Data Systems

1. Data Processing support, within available resources and capabilities, will be provided in accordance with current procedures at the request of the MOL Program Office.

2. Acquisition of additional data processing equipment will be accomplished in compliance with existing directives.

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D. Programs/Budget

1. Air Force Systems Command, on receipt of that portion of the MOL Program released to it through normal channels, will forward the Procurement Authorizations and Budget Authorizations directly to the appropriate Division, Center or Range (normally the SSD). No changes, additions or deletions will be made to the documents as received from USAF, nor will any additional instructions be attached by Air Force Systems Command or division staff agencies.

2. The MOL Program is exempt from the use of the AFSC Form 56 prescribed by AFSCR 27-1.

3. Reprogramming actions affecting the MOL Program line item funds are specifically prohibited unless directed through the MOL Program Office.

4. The preparation and submission of budgets and other programming or financial requirements documentation is to be handled between the Deputy Director, MOL Program, the Director, MOL Program, and appropriate Air Staff and SAF offices. Reviews and approvals will not be within the authority or responsibility inherent in SSD or Headquarters Air Force Systems Command. Recurring documentation, primarily the annual budget, will conform to time schedules established by Headquarters USAF. Official figures will be furnished to the DCS/Comptroller by the MOL Program Office. These figures will be made available for inclusion in overall Air Force Systems Command submittals and reports as appropriate. Headquarters Air Force Systems Command will consider the MOL submission when considering Air Force Systems Command program requirements totals, but will have no authority to change requirements as submitted.

5. As indicated in Section II, General Situation, of this annex, neither Headquarters Air Force Systems Command nor its field echelons have the authority or the responsibility to review or analyze the funding program or its status. Accordingly, all reports reflecting the status of Air Force Systems Command funds will treat the MOL Program as follows:

a. Only the total Budget Authorization for each fiscal year released to Air Force Systems Command will be considered as the "Approved Program" for those years. Measurements of commitments, obligations and expenditures will be made against those figures.

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b. The term "deferral" as it relates to this program is that amount of the Force and Financial Program not released by the Office of the Secretary of Defense (OSD) to the Director, MOL Program.

c. Funds released to the Director, MOL Program, and not considered within the Air Force Systems Command program will be classified as "Director's Fund".

6. SSD will assist the Deputy Director, MOL Program, in the preparation and submission of financial plans and budget estimates of support funds. SSD will identify the Deputy Director's stated requirements and assure that the budget or financial plan submission is in conformity with Air Force Systems Command instructions. SSD will not attempt to evaluate the validity of requirements stated by the Deputy Director, unless specifically requested to do so by that office.

7. Support funds for the Deputy Director, MOL Program, will be separately identified by Headquarters Air Force Systems Command. SSD will maintain this identity. SSD does not have authority to reprogram support funds into or out of the funding levels indicated for the Deputy Director without prior approval of Headquarters Air Force Systems Command.

E. Management Analysis

1. Management Analysis services will be provided by the respective Management Analysis staffs at Headquarters Air Force Systems Command or SSD on an "as required" basis.

2. The MOL Program has been excluded from the Air Force Systems Command Top Management Information System, and is exempt from provisions of AFSCR 178 series of regulations.

3. Air Force Systems Command Cost Reduction goals are assigned on the basis of total funds administered by subordinate organizations. SSD will assign a proportionate Cost Reduction goal to the MOL Program based on MOL funds administered by SSD.

a. Cost Reduction submissions will be validated by the Auditor General Representative, SSD.

b. Cost Reduction documentation will be forwarded to the office of the Director, MOL Program.

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c. Cost Reduction submissions will be reported, as a single line item by cost reduction program area, on SSD reports to Headquarters Air Force Systems Command. Neither MOL Program Cost Reduction submissions nor goal status will be publicized or used in briefings without the prior approval of the Director, MOL Program.

d. The office of the Director, MOL Program, will forward Cost Reduction documentation to the Auditor General Comptroller, USAF for review and validation.

V. CHANNELS OF COMMUNICATION

Channels of communication will be as specified in the basic order.

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ANNEX D

BIOASTRONAUTICS AND MEDICINE

I. TASK ORGANIZATION

The organization of the bioastronautics and medicine elements within the Air Force Systems Command is given in Figure 1. The relationship between the Assistant for Bioastronautics to the Director, MOL Program, and the Air Force Systems Command bioastronautics elements is also shown. Technical communications channels are shown as interrupted lines.

II. GENERAL SITUATION

A. An Assistant for Bioastronautics to the Director, MOL Program, has been assigned to assure proper development, coordination, and support of the bioastronautics efforts.

B. An office, acting both as the Directorate for Bioastronautics (SL-10) to the Deputy Director, MOL Program, and as the Deputate for Bioastronautics and Aerospace Medicine (AMB) to the Commander, Aerospace Medical Division, has been established at SSD. Elements of the SL-10/AMB office have been co-located with the MOL Systems Office.

C. Technical support to this office is provided by integration of personnel from the Aerospace Corporation and by assignment of specific tasks to AMD laboratories and to technical advisors from these laboratories.

D. The 6510 USAF Hospital, Air Force Flight Test Center, is providing specialized training in the Aerospace Research Pilots' School and medical care for the MOL crews during their period of in-residence training. It also provides support in certain areas of pressure suit responsibility.

E. The Biophysics Branch, Air Force Weapons Laboratory, will provide support in the area of radiation.

F. The Deputy for Bioastronautics, Air Force Eastern Test Range, will assist and participate with the SL-10 office in defining and documenting the logistics requirements of the medical aspects of global recovery. He will assist in developing techniques for medically monitoring the crew during flight.

G. USAF/NASA liaison is established at all levels.

ANNEX D

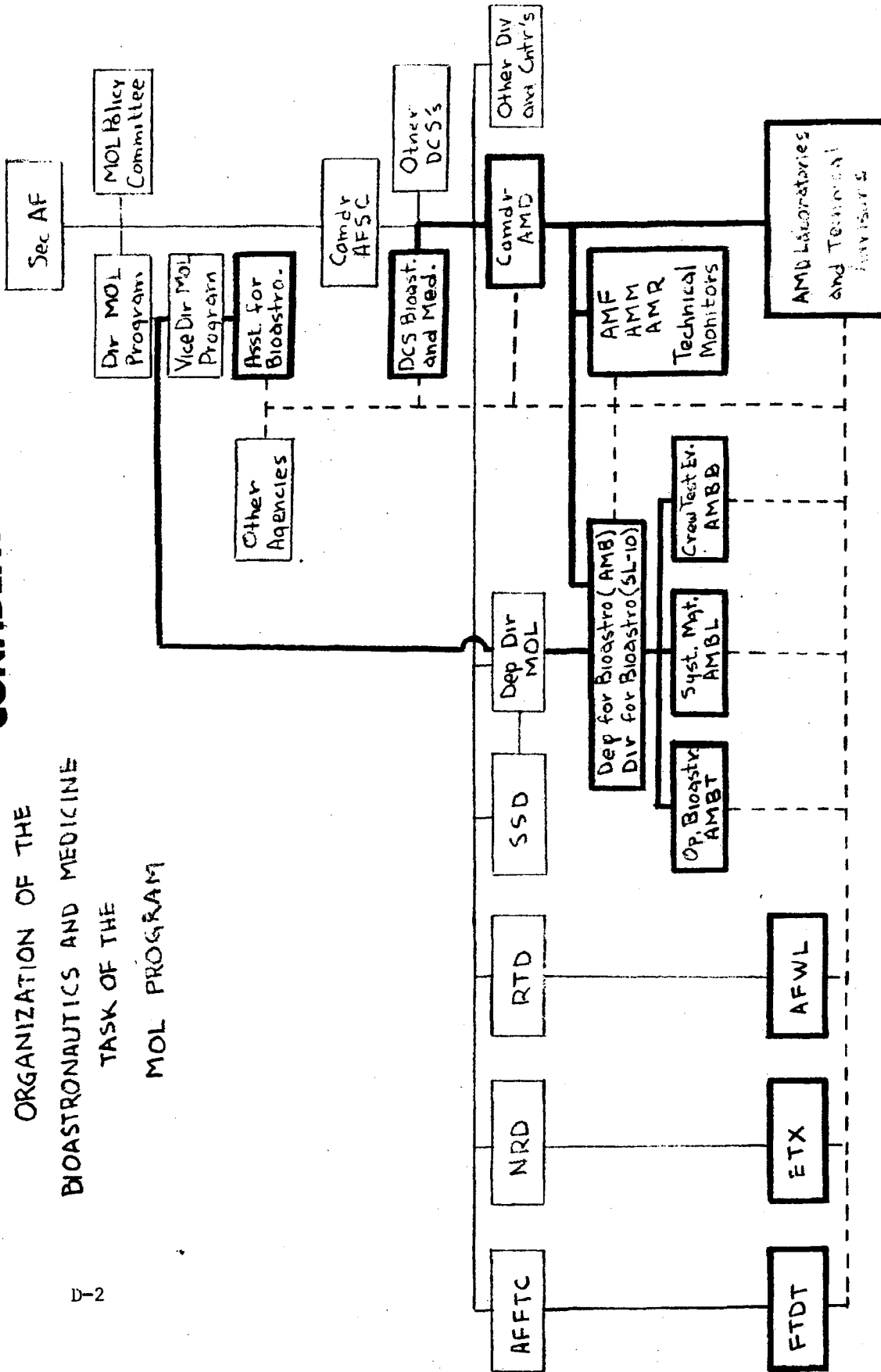
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ORGANIZATION OF THE
BIOASTRONAUTICS AND MEDICINE
TASK OF THE
MOL PROGRAM

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Figure 1

ANNEX D

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III. MISSION

The mission of the bioastronautics and medicine program is to provide complete bioastronautics participation and support for all phases of the MOL Program through the following functions:

A. System Definition and Acquisition

1. Provide design criteria
2. Direct selected engineering developments; i.e., pressure suit
3. Provide surveillance and/or direction of developments as applicable
4. Support developmental testing and validation

B. Operational Bioastronautics

1. Provide crew medical maintenance
2. Conduct launch site medical operations
3. Provide mission control medical support

C. Supporting Ground-Based Expl. Development (Research)

1. Provide time-phased, ground-based research and testing and long range research as applicable.

IV. SPECIFIC TASKS

A. The Bioastronautics and Medicine Deputate of Headquarters Air Force Systems Command will maintain cognizance of the status and requirements of the bioastronautics and medicine portion of the MOL Program, provide technical consultation and advice, provide staff support as required, and maintain cognizance of the over-all demands and priorities placed on bioastronautics and medical efforts of the command.

B. The Aerospace Medical Division will provide the management to maintain intimate contact with the development of the MOL Program. It will identify programs and assist in providing the resources necessary to give responsive support to the bioastronautics and medicine requirements of the Deputy Director, MOL Program.

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C. The Director for Bioastronautics/Deputy for Bioastronautics and Medicine (dual role) will conduct the over-all bioastronautics and medicine planning and support for the Deputy Director, MOL Program.

D. Technical advisors will provide expert advice to the MOL Program as required and assist AMD in requisite technical program adjustments.

E. Support of specific tasks of bioastronautics organizations outside of AMD will be solicited with the coordination of the DCS/Bioastronautics and Medicine, Headquarters, Air Force Systems Command. Support tasks for the 6510 USAF Hospital, AFFTC; the Biophysics Branch, AFWL; and the Deputy for Bioastronautics, AFETR, have been levied as outlined in II D, E, and F.

V. CHANNELS OF COMMUNICATION

See I A. (Figure 1).

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ANNEX E

DCS/PROCUREMENT & PRODUCTION

I. TASK ORGANIZATION

A. DCS/Procurement & Production, Headquarters Air Force Systems Command.

B. SSD Functional Staff Offices.

C. Air Force Contract Management Division (AFCMD).

II. GENERAL SITUATION

A. Streamlined, simplified and direct management procedures have been instituted for the MOL Program which include more rapid procurement response. All offices will provide on a priority basis, functional support as required and requested in behalf of the MOL Program and programs which directly support the MOL.

B. Armed Services Procurement Regulations (ASPR), Air Force Procurement Instructions (AFPI) and all pertinent DOD and Air Force regulations shall apply to MOL procurement actions. MOL procurement actions directed to SSD for accomplishment should be in consonance with the appropriate SSD regulations or procedures.

C. Advanced procurement planning in accord with PMI 1-11 and AFPI 1-365 is required; however, submission of the Air Force Systems Command annual advanced planning documents is waived.

D. The Deputy Director, MOL, has received a delegation from the Commander, SSD, of procurement authority up to \$5 million. SSD Procurement Committee will support the MOL Systems Office as required for this class of procurement actions. Procurement in excess of \$5 million will be submitted through SSD (SSK) to Headquarters Air Force Systems Command (SCK-3) for final review and approval.

III. MISSION

The mission of the Procurement Task Organization is to provide procurement support to the MOL Program.

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IV. SPECIFIC TASKS

A. SSD will provide the necessary support to the MOL Systems Office (SO). The SO does not contain a complete, integral system procurement support organization and, therefore, established SSD Staff Offices shall furnish assistance as the need may arise. SSD will establish with the MOL SO specific procedural details for these actions. Support furnished the Procurement and Production Directorate of the MOL SO may include, but is not limited to, the specific areas shown below:

1. Contract Writing.
2. Contract Pricing.
3. Contract Distribution.
4. Industrial Facilities.
5. Procurement and Production Reports.
6. Procurement Management System.
7. Contract Terminations.
8. Procurement Review.
9. Industrial Security.

B. Contract administration of contracts for MOL will be delegated in accordance with the policies and procedures of ASPR and AFPI. Air Force Plant Representative Offices (AFPRO's) receiving such delegations will accomplish their responsibilities in accordance with the basic operation order. Copies of reports to Commander, Air Force Systems Command and/or Deputy Director, MOL Program, will be sent to Headquarters AFCMD.

V. CHANNELS OF COMMUNICATION

A. Requests for deviations to AFPI and ASPR will be processed directly to Headquarters Air Force Systems Command (SCK-3).

B. Problems and questions concerning procurement policy, production policy, quality control, and contract administration, including relations with the Defense Contract Administration Services, may be directed to Headquarters, Air Force Systems Command (SCK). Urgent requests may be directed by telephone or other expeditious means to this office.

C. Determinations and Findings actions will be prepared by the Deputy Director, MOL Program, reviewed by the SSD staff upon request, and forwarded to the Director, MOL Program, for direct submission to the Office of the Secretary of the Air Force.

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D. Data required for the Congressional Appropriation Hearings will be submitted by the MOL SO directly to the MOL Program Office on an as required basis. Data on support requirements procured by other than the MOL SO will be supplied through normal Air Force Systems Command channels.

E. Reports required by ASPR, AFPI and other procurement directives will be prepared and submitted by the MOL SO through normal USAF/Air Force Systems Command reporting channels. Procurement actions reported will not be charged against Air Force Systems Command goals nor included in Air Force Systems Command consolidations but will be reflected by the consolidating office in Air Force totals.

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ANNEX F

DCS/PERSONNEL

I. TASK ORGANIZATION

Headquarters Air Force Systems Command, DCS/Personnel (DCS/P). All Air Force Systems Command Division, Center, and Range personnel activities.

II. GENERAL SITUATION

The MOL Program is manned, in large part, from Air Force Systems Command personnel resources. A continuing requirement exists to accommodate unusual MOL Program requirements for specialized talent and for assignment stability.

III. MISSION

The mission of the personnel Task Organization is to support, on a continuing priority basis, the personnel requirements of the MOL Program.

IV. SPECIFIC TASKS

A. Headquarters Air Force Systems Command (DCS/P) will:

1. Man the MOL Program Office and allocate military personnel to SSD for the MOL Systems Office as directed by the Commander, Air Force Systems Command.
2. Monitor civilian personnel matters and provide assistance as required. Normal civilian personnel administration will be provided by the servicing central civilian personnel offices.
3. Insure that the manning of all other Divisions, Centers, and Ranges in support of the MOL Program is maintained at command parity.
4. Take manning actions in advance of approved manpower authorizations when requested by the Director, MOL.
5. Request manning assistance from Headquarters USAF.

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B. Division, Center, and Range personnel activities will provide staff support and assistance when called upon to do so by competent authority.

V. CHANNELS OF COMMUNICATION

Correspondence affecting or concerning the manning of the MOL Program Office or the MOL Systems Office will be routed through existing Air Force Systems Command personnel channels. When Secretary of the Air Force channels are used for personnel actions, information copies will be provided to Headquarters, Air Force Systems Command.

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ANNEX G

DCS/MATERIEL (MATERIEL)

I. TASK ORGANIZATION

SSD, specifically the Materiel Division of the Technical Requirements and Standards Office, the 6592nd Support Group, contractors as appropriate, and other Air Force Systems Command organizations as designated and as requested by appropriate authority under this order constitute the task organization.

II. GENERAL SITUATION

A. The MOL Systems Office, physically located at Air Force Space Systems Division, Los Angeles Air Force Station, California, is responsible for development of Materiel requirements in support of the MOL Program. For the purpose of this annex, the term "materiel" is construed to mean maintenance, supply, and transportation and the functional responsibilities associated therewith.

B. The MOL Systems Office is organized without an in-house, organic capability to perform inherent materiel functions in support of the MOL Program.

C. To accomplish required materiel support functions, the Space Systems Division will provide materiel support as required and specified by the Deputy Director, MOL Program.

D. In providing materiel support to the MOL Program, all organizations will perform their support role for this mission in the normal manner presently prescribed by existing directives and procedures. Authority has been granted, however, to the Deputy Director, MOL Program, as he deems appropriate, to waive provisions of the 375-series directives in the management of this program. Organizations providing requested materiel support may make full use of such waivers, as appropriate, in order to be fully responsive to the requirements of the MOL Program.

E. Except for such support as requested by and provided to the Deputy Director, MOL Program, Air Force Systems Command will not be involved in the materiel support management of the MOL Program.

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III. MISSION

The mission of the Task Organization is:

A. To assist, as requested by the Deputy Director, MOL Program, in obtaining supplies, equipment and supply services.

B. To provide, or arrange for the provision of, maintenance of aircraft, ground vehicles, aerospace ground equipment or other equipment, as specified by the Deputy Director, MOL Program.

C. To provide, or otherwise arrange for, the transportation of things and people.

D. To provide technical guidance and advice, as requested by the Deputy Director, MOL Program, in all facets of supply, maintenance, and transportation.

IV. SPECIFIC TASKS

A. All Air Force Systems Command materiel organizations when requested by appropriate authority under this order will provide support and assistance to the MOL Program. Justification for non-response to MOL Program support requirements will be channeled to Commander, Air Force Systems Command, as prescribed in the basic order.

B. In addition to the generalized task statements above applicable to all Air Force Systems Command organizations, Headquarters SSD activities will have the primary role in the materiel functional support of the MOL Program and the normal housekeeping materiel functions in support of the MOL Systems Office.

V. CHANNELS OF COMMUNICATION

Channels of communication are as prescribed in the basic order.

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ANNEX H

DCS/MATERIEL (OPERATIONS)

I. TASK ORGANIZATION

A. All elements of the Directorate of Operations (SCMO), DCS/Materiel, Headquarters, Air Force Systems Command.

B. Aerospace Research Pilot School (ARPS), Air Force Flight Test Center (AFFTC).

II. GENERAL SITUATION

Highly qualified space flight crews are an essential element of the Manned Orbiting Laboratory Program. These crews must be the best qualified and trained personnel which the Air Force can provide. The Air Force Systems Command is required to provide the training and training support for these crews in response to the requirements of the Deputy Director, MOL Program.

III. MISSION

The mission of the Task Organization is to provide expedited and aggressive operational support to the MOL Program.

IV. SPECIFIC TASKS

A. Aerospace Research Pilot School (ARPS).

1. In order to provide qualified space flight crews for the MOL Program, pilots will receive approximately six months of specialized training at the Aerospace Research Pilot School AFFTC. This will actually be a post-graduate course for selected Aerospace Research Pilots who have already completed the regular ARPS course. The course will include advanced space academics, space simulation and flying training. The Commandant of ARPS will be responsible to the Deputy Director, MOL Program, for all activity of the MOL Aerospace Research Pilots while they are assigned to the school.

2. MOL Aerospace Research Pilots will be assigned PCS to the MOL Systems Office upon selection into the program, with duty station at ARPS during the period while they are undergoing advanced MOL Program training at the school.

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3. The Aerospace Research Pilots School will submit requests for aircraft support for the MOL Program to Headquarters Air Force Systems Command (SCMOA).

B. Allocations Division, DCS/Materiel (SCMOA)

1. The Allocations Division will obtain the necessary aircraft for the support of the MOL Program flying requirements at ARPS.

2. A requirement will exist for follow-on flight training throughout the life of the MOL Program. This flight follow-on program (Space Flight Readiness) will also require additional aircraft. The Allocations Division will also support this program as the need arises.

C. Communications-Electronics Division, DCS/Materiel (SCMOC-1)

This division will monitor the programming and management of Research, Development, Test and Evaluation for Communications support for the MOL Program.

V. CHANNELS OF COMMUNICATION

Headquarters Air Force Systems Command coordination on all MOL Program operational matters will include the ARPS liaison officer (SCMOO-2).

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ANNEX I

DCS/MATERIEL (CIVIL ENGINEERING)

I. TASK ORGANIZATION

A. Headquarters Air Force Systems Command, DCS/Materiel, Directorate of Civil Engineering.

B. All Division, Center, Base Civil Engineers.

II. GENERAL SITUATION

A. The MOL Program Office has been organized in a manner to provide efficient and timely program management within a fluid environment generated by priority schedules. These conditions require concurrency in the development of facility requirements, concepts and design. This environment subjects facility concept and design to frequent revisions necessitating OSD and HQ USAF program review and approval at times other than during the normal Military Construction Program cycle. Therefore, to assure related timely actions, authority has been granted to the Deputy Director, MOL Program, as he deems appropriate, to waive provisions of the 375 series directives in the management of this program. Exercising this authority, the Deputy Director, has requested that facility actions in support of the MOL Program be expedited by supporting Civil Engineering Offices.

B. The SSD Deputy for Civil Engineering (SSN), physically located at Air Force Space Systems Division, Los Angeles Air Force Station, California, is responsible for facility programming submittals and development of related facility criteria in support of requirements generated by the co-located MOL Systems Office (SAFSL-7). Programming documents (DD 1391's) are validated by SAF-SL and submitted directly to appropriate HQ USAF and OSD offices. Information copies only are furnished to Air Force Systems Command (SCMC).

III. MISSION

Task Organizations will furnish on a continuing basis the resources and personnel necessary to provide facilities in support of the MOL Program.

IV. SPECIFIC TASKS

A. Headquarters, Air Force Systems Command, DCS/Materiel, Directorate of Civil Engineering will:

1. Maintain cognizance of MOL Program MCP facilities requirements documentation to insure expeditious processing of requests for approval of

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Architect/Engineer selections and Findings and Determinations in the Civil Engineer area (P3300 funds) in accordance with AFR 85-8 and insure timely availability of design funds.

B. The SSD DCS/CE will provide all necessary support to the Deputy Director, MOL Program including surveillance of project status, project approval, funding, design authorization, and design and construction progress.

C. The Air Force Systems Command Civil Engineer (SCCE) at Vandenberg AFB will act as Team Chief to monitor Vandenberg AFB MOL facility contract award, construction progress, change orders, and final acceptance testing and turnover in accordance with the Construction Management Agreement approved by Headquarters USAF for Titan III Initial Launch Capability (ILC).

D. Division, Center and Base Civil Engineers will coordinate MOL testing and facility support requirements with SSD DCS/CE.

V. CHANNELS OF COMMUNICATION

A. Channels of communication will be as specified in the basic order.

B. Air Force Systems Command Division, Center and Base Civil Engineers are authorized direct communication with SSD, DCS/CE on matters pertaining to MOL facilities. Information copies of any correspondence generated by the above will be furnished Headquarters Air Force Systems Command (SCMC).

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ANNEX J

DCS FOREIGN TECHNOLOGY

I. TASK ORGANIZATION

Within Air Force Systems Command, foreign technology support of the Manned Orbital Laboratory (MOL) Program will be provided by the following:

A. DCS/Foreign Technology, Headquarters, Air Force Systems Command.

B. Foreign Technology Division.

C. Deputies/Foreign Technology at Systems Command Divisions, Centers, and Laboratories.

II. GENERAL SITUATION

In the general contest for superiority in space science and technology all United States space systems are subject to unfriendly threat. Each system will be found to be more or less vulnerable to threats that will arise. The situation continually changes and requires constant attention and review of applicable foreign technology information. The MOL system is a part of the contest. It will undoubtedly be given special attention by foreign elements. Its vulnerability, therefore, must be continually assessed in the light of foreign technological advances and the threat.

III. MISSION

Air Force Systems Command's mission in foreign technology support of MOL Program requirements is to insure that adequate threat information is available and to insure provision of adequate foreign scientific and technical background which would be useful in the development of qualitatively superior MOL systems.

IV. SPECIFIC TASKS

A. All foreign technology elements of the Air Force Systems Command will be prepared to perform the following tasks when requested by appropriate authority. These elements will also take action on their own initiative to suggest information which could be provided in these areas:

1. Threat

Actions which might be taken against the MOL to reduce its effectiveness or survivability.

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2. Technological Data

Details of foreign systems or techniques which might be adapted in the development of MOL systems or techniques.

B. DCS/Foreign Technology, Headquarters Air Force Systems Command, will respond to requirements from the Director, MOL Program.

C. Foreign Technology Division (FTD) will, in accordance with AFSCR 23-27, respond to requests from Air Force Systems Command elements for scientific and technical intelligence for the MOL Program.

V. CHANNELS OF COMMUNICATION

Normal foreign technology channels of communication will be used in Systems Command technical intelligence support of the MOL Program.

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ANNEX K

STAFF METEOROLOGIST

I. TASK ORGANIZATION

Staff Meteorological Organization consists of:

- A. Office of the Staff Meteorologist, Headquarters Air Force Systems Command (Headquarters 6th Weather Wing).
- B. Office of the Staff Meteorologist, SSD (Detachment 50, 6th Weather Wing).
- C. Office of the Staff Meteorologist, AFWTR (Detachment 30, 6th Weather Wing).
- D. Office of the Staff Meteorologist, Satellite Control Facility (Detachment 51, 6th Weather Wing).
- E. Office of the Staff Meteorologist, NRD (Operating Location 2, 6th Weather Wing).

II. GENERAL SITUATION

A. The developmental work on the Manned Orbiting Laboratory (MOL) will be conducted by the MOL Systems Office located at Los Angeles, California. This phase will require the services of a Staff Meteorologist to act as focal point for aerospace environmental staff support.

B. The MOL will be launched from the TITAN III Launch Complex on Vandenberg AFB, California. Frequent weather observations will be required from the vicinity of the launch complex during the time while the MOL vehicle is on the launch pad. General launch forecasts will be required on a periodic basis beginning several days before the launch. Micrometeorological forecasts will be required for determination of toxic diffusion. A Staff Meteorologist will be required to coordinate environmental factors bearing on the MOL launch.

C. The Mission Control Center at Sunnyvale, California, will conduct MOL system tests and on-orbit operations by real-time tracking, command, control, and recovery of the capsule. Pre-launch activities will include planning, design, development, procurement, installation and checkout of satellite control and recovery systems, equipment, computer programs and facilities to support the MOL system tests. Extensive meteorological support will be required.

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III. MISSION

The mission of the Task Organization is to provide meteorological support for all phases of the MOL Program.

IV. SPECIFIC TASKS

A. Staff Meteorologist, Headquarters Air Force Systems Command will provide:

1. Staff assistance, as required, for the Director, MOL Program and his staff.
2. Instructors on the natural environment for MOL crew school.
3. Interface with Air Weather Service and other meteorological agencies as required.

B. Staff Meteorologist, SSD, will provide staff assistance, as required, to the MOL Systems Office.

C. Staff Meteorologist, AFWTR, will provide:

1. Surface and upper air observations as required.
2. Launch forecasts as required.
3. Toxicity forecasts as required.

D. Staff Meteorologist at Satellite Control Facility will provide:

1. On a global basis, forecasts and current information pertaining to cloud and other weather conditions affecting programmed or emergency recovery operations and the conduct of various experiments by the MOL crew.
2. On a global basis, forecasts and current information pertaining to sea surface conditions for the same purpose.
3. Forecasts and current information pertaining to the state of the space environment including solar flares, solar radio flux, proton events, magnetic flux and other parameters affecting the safety of the crew and affecting the MOL vehicles themselves.

E. Staff Meteorologist, NRD, will provide staff assistance as requested on matters pertaining to support by DOD meteorological agencies.

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V. CHANNELS OF COMMUNICATION

Technical matters may be communicated through Air Force Systems Command Staff Meteorologist channels or 6th Weather Wing channels. Operational meteorological matters will normally be communicated through 6th Weather Wing channels.

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ANNEX L

MANPOWER & ORGANIZATION

I. TASK ORGANIZATION

Each manpower office in the Air Force Systems Command is a part of the task organization to provide support to the MOL Program when required.

II. GENERAL SITUATION

The Air Force Systems Command manpower requirements in support of the MOL Program were validated by the Air Force Systems Command Ad Hoc Committee (7-17 December 1965). This annex establishes the procedures to be followed for development and submission of manpower requirements additive to those validated by the Ad Hoc Committee. In addition to the procedures outlined below, the annual review of civilian positions required by AFR 26-8 is a function of the Deputy Director, MOL Program, for those civilian positions authorized the MOL Systems Office.

III. MISSION

The mission of Air Force Systems Command manpower and organization activities is to provide manpower and organization advice and services to the MOL Program.

IV. SPECIFIC TASKS

A. Manpower

1. The manpower office for each subordinate organization involved will develop any manpower requirements additive to those validated by the Air Force Systems Command Ad Hoc Committee (7-17 December 1965) necessary to support the MOL Program, and will submit these requirements to the SSD Manpower Office (SSLO). SSLO will act as the administrative agent for the Deputy Director, MOL Program, in manpower matters. After review and workload approval by the Deputy Director, MOL Program, the requirements will be forwarded simultaneously to Headquarters, Air Force Systems Command, Office of Manpower & Organization, and to the MOL Program Office. These manpower requirements will be in the format specified by AFM 26-1, as supplemented, and will be concurrent with budget cycles where possible. Additions, deletions, and revisions will also be prepared and submitted in accordance with these procedures.

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2. Upon receipt from the Director, MOL Program, the Headquarters Commandant, Air Force Systems Command, will process the manpower requirements for the MOL Program Office.

B. Organization

1. AFM 26-2 and AFSC 23 series publications describe the mission and internal organization of Air Force Systems Command subordinate units.

2. The organization structure for the MOL Systems Office will be as established by the Director, MOL Program, in coordination with Headquarters, Air Force Systems Command.

V. CHANNELS OF COMMUNICATION

Normal manpower and organization channels of communications are applicable to the MOL Program support activities except for the special channels established in paragraph IV A above for the submission of manpower requirements.

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ANNEX M

INSPECTOR GENERAL

I. TASK ORGANIZATION

Office of the Inspector General, Air Force Systems Command and all subordinate inspection, safety and security offices constitute the task organization.

II. GENERAL SITUATION

The Air Force Systems Command Inspector General has no continuing direct involvement or responsibility with respect to the MOL Program, except as may be specifically directed by the Commander, Air Force Systems Command, or as specified herein.

III. MISSION

The Inspector General Task Organization will be prepared to provide support to the MOL Program in the areas of inspection, safety, and security.

IV. SPECIFIC TASKS

A. Inspection

1. The Air Force Systems Command Inspector General will conduct inspections of the MOL Program and the MOL Systems Office when and as authorized by the Director, MOL Program, and as directed by the Commander, Air Force Systems Command.

2. During each management inspection of Air Force Systems Command subordinate commands, the Air Force Systems Command Inspector General will specifically inspect the adequacy, effectiveness, and timeliness of support to the MOL Program.

B. Safety

The Inspector General Task Organization will provide safety support and services to the MOL Program as requested by the Director, MOL Program, or the Deputy Director.

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C. Security

The Inspector General Task Organization will provide security support and services to the MOL Program as requested by the Director, MOL Program, or the Deputy Director. Continuing assistance will be provided in the areas of access authorizations, security investigations, and administration of the security classification program.

V. CHANNELS OF COMMUNICATION

Channels of communication are as provided in the basic Order.

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