

INTERAGENCY SUPPORT AGREEMENT
BETWEEN
4950TH TEST WING
AERONAUTICAL SYSTEMS DIVISION
AND
THE GODDARD SPACE FLIGHT CENTER, NASA
FOR
USE OF ADVANCED RANGE INSTRUMENTATION AIRCRAFT (ARIA)
IN SUPPORT OF NASA PROGRAMS

I. PURPOSE:

The purpose of this agreement is to establish policies and procedures for continued support of current and future NASA programs, and to define the roles, relationships and responsibilities of the 4950th Test Wing and GSFC concerning ARIA. It applies to all organizational elements of the two agencies, and each agency will assure that attached or related units (including contractors) comply where appropriate. It may be supplemented, as necessary, by Joint Operating Procedures (JOPs) between 4950th Test Wing and GSFC to provide more detailed treatment and coverage of any functional areas, number of aircraft contracted by GSFC for each fiscal year, funding amounts for each fiscal year, or other related matters, within the framework of policies stated herein.

II. GENERAL CONCEPTS AND POLICIES:

A. The 4950th Test Wing will establish policies and procedures for the operation of the ARIA.

B. The GSFC is the NASA executive agency for ARIA support to NASA-sponsored manned and unmanned missions.

C. Any proposed disposition of ARIA equipment previously funded totally or in part by NASA will be referred to GSFC for concurrence. GSFC will have first option to direct disposition of such equipment.

D. Any proposed reduction in ARIA fleet size will be coordinated with GSFC.

E. GSFC will provide a long range ARIA forecast to the 4950th Test Wing with information copies to the AFETR Range Scheduling Office (AFETR/DOKC) and the SAMTEC Range Scheduling Office (SAMTEC/ROOS) as specified in paragraph IV.B. Mission-by-mission requirements will be submitted to the 4950th Test Wing and the appropriate lead range (ETR for ETR launches, SAMTEC for SAMTEC launches).

III. RESPONSIBILITIES:

A. 4950th Test Wing is responsible for:

1. Management, custody, scheduling, maintenance, modification and operation of the ARIA fleet.
2. ARIA configuration control.
3. Coordination with GSFC and the appropriate lead range whenever a NASA requirement is not within the current ARIA capability and notifying GSFC and the appropriate lead range of proposed configuration changes affecting the capability to support known NASA requirements.
4. Providing for continuing compatibility with the Spaceflight Tracking and Data Network.
5. Complying with the policy of the appropriate lead range concerning the documentation required and the channels used for submission of ARIA support requirements. NASA and the 4950th Test Wing will obtain these policies from the lead range.
6. Providing continued assured support to NASA manned missions.

7. Assuring that a minimum of aircraft (as specified in paragraph III.B.3) is available at all times for NASA sponsored unmanned missions, as may be requested by NASA.

Priority scheduling consideration of aircraft on a yearly basis will be addressed during the annual review of this agreement and processed in accordance with paragraph III.B.3.

B. GSFC is responsible for:

1. Submitting NASA's ARIA support requirements to the 4950th Test Wing and to the appropriate lead range on a timely basis and in accordance with lead range prescribed documentation.

2. Providing sufficient details to permit identification of any required modification(s) to aircraft and/or airborne instrumentation.

3. Requesting priority scheduling of 0, 1, or 2 available aircraft for no less than a full fiscal year period. This requirement will be reviewed annually and will be included in the JOP supplement between the 4950th Test Wing and GSFC.

4. Mission scheduling in accordance with the lead range concept for joint AFETR, SAMTEC, and 4950th Test Wing resolution of scheduling conflicts through JPASO.

IV. FINANCIAL RELATIONSHIP:

A. GSFC will reimburse the 4950th Test Wing for all variable costs (DMIF, POL and aircraft supplies) and travel cost associated with ARIA support of NASA programs. This policy will apply regardless of launch location. In addition, if NASA exercises its option for priority

scheduling of one or two aircraft, GSFC will reimburse the 4950th Test Wing for all fixed costs (civilian labor, military labor, technical representatives, aircrew training, instrumentation supplies, and aircraft replenishment supplies) for the number of aircraft contracted for in the yearly supplement (reference paragraph III.B.3). The 4950th Test Wing will provide an estimate of the various costs (fixed, variable and travel) to NASA three months preceding the beginning of the fiscal year.

B. GSFC will identify and advise the 4950th Test Wing and the appropriate lead range of its support requirements by mission, for each fiscal year, 15 months prior to each fiscal year with updates every six months, and will furnish a forecast for subsequent years in as much detail as can be provided..

C. Funding for support covered by this agreement will be by NASA Defense Purchase Request (NDPR), which will be forwarded to the 4950th Test Wing annually by 1 October and revised as necessary to insure availability of sufficient funds.

D. Whereas GSFC pays the fixed cost for the operation and maintenance of one or two ARIA, whenever the Air Force receives reimbursement for the use of these aircraft for Special Interest Launches (SILs), the Air Force shall credit NASA with a proportionate amount for yearly negotiated fixed price for each mission. A Special Interest Launch is defined as a launch performed for a non-US Government Agency to place the customers payload in orbit using US Government launch vehicles, launch facilities and other resources.

The SIL reimbursement rate will be based on the Air Force's estimate of the ARIA fixed cost charges to NASA, the number of SIL launches, and the total number of flying hours provided in the most recent GSFC long range forecast prior to each fiscal year. (Reimbursement will be made for each SIL supported in the amount estimated prior to the beginning of the fiscal year, rather than actual costs or actual flying hours.) The formula for computing the SIL reimbursement rate is noted below:

Formula for Reimbursement:
$$R = \frac{S}{T} \times FC$$

Where:

R - is the reimbursement amount for each SIL.

S - is the flying hours per SIL.

T - is the total flying hours flown on the NASA funded ARIA (this includes the total of NASA flying hours, NASA reimbursed flying hours and SIL flying hours).

FC - is the estimated fixed cost of the NASA funded ARIA.

Reimbursement to NASA will be credited to the NASA ARIA NDPR within 60 days after the Air Force receives payment for the SIL support.

E. Billings will be submitted monthly on SF 1080, based on ARIA flying hours for NASA mission support, costed at current rates in AFM 172-3 (USAF Planning Factors), local wage rates, POL costs and manhour cost accounting records to cover modifications, POL, airframe supplies, and Depot Maintenance Industrial Fund (DMIF). Fixed cost will be billed at 1/12 of the estimated cost provided to NASA. Billings for travel and lease of MAC support aircraft will be the actual costs incurred by the 4950th Test Wing.

V. REVIEW, MODIFICATION AND TERMINATION:

A. Review. This agreement will be reviewed annually (from the anniversary date of original authentication or last review date, whichever is later) by the 4950th Test Wing and GSFC to insure accuracy and currency and to determine if the agreement should be continued, modified or terminated.

B. Modification. If modification of this agreement is recommended by either party hereto, the modification will be processed in the same manner as an original agreement. Such modification normally will be accommodated during the annual review or renewal cycle. If the change is relatively minor, modification will be initiated as soon as possible after determination of such change.

C. Termination. Termination may be made by mutual agreement.

SIGNATURE PAGE

Negotiating Officials:

Tommy I. Bell
4950th Official
TOMMY I. BELL, Colonel, USAF
Commander, 4950th Test Wing
Aeronautical Systems Division
Organization/Title

26 APRIL 1976
Date

H. William Wood
NASA Official
Associate Director for Operations
Networks Directorate
Organization/Title

August 4, 1976
Date

Approving Officials:

Philip J. Conley Jr.
USAF Official
PHILIP J. CONLEY, JR.
Brigadier General, USAF
Chief of Staff
Organization/Title

13 SEP 1976
Date

Robert S. Cozzit
NASA/GSFC Official
Director, Goddard Space Flight Center
Organization/Title

August 9, 1976
Date

Interagency Support Agreement between 4950th Test Wing Aeronautical Systems Division and Goddard Space Flight Center, NASA for Use of Advanced Range Instrumentation Aircraft (ARIA) in Support of NASA Programs

Distribution:

	<u>QTY</u>		<u>QTY</u>
H. W. Wood/800	1	4950th Test Wing	
R. Ramos/800	1	WPAFB, OH 45433	
G. Mohn/800	1	Lt. Col. L. R. Wolfe-CCI	10
C. Knox/801	5	Mr. G. Worms-PG	2
W. LaFleur/850	1		
R. Britner/852	1		
C. Parker/852	1	Headquarters, AFSC	
E. Ferrick/861	1	Andrews Air Force Base	
M. Cartwright/861.2	1	Washington, D. C. 20334	
G. Tolson/KSC/GNSO	1	Lt. Col. J. Guiling-TEUR	2
R. Hicks/KSC/TS-NTS	1		
W. Folson, NASA Hqs. -TN	1		

Total - 30