

**HEADQUARTERS
AMC BALLISTIC MISSILES CENTER
UNITED STATES AIR FORCE
Air Force Unit Post Office
Los Angeles 45, California**

REPLY TO
ATTN OF: LBZS

10 December 1959

SUBJECT: Weekly Diary 3 Dec 59 through 9 Dec 59

TO: LBG

THRU: LBZ

Attached are the weekly diary items for Space Projects Office.



SAMUEL G. WILSON
Lt Colonel, USAF
Deputy Director, Space &
Satellites

2 Atch

1. Weekly Diary LBZSA (Unclas) 1 page
2. Weekly Diary LBZSP (Unclas) 1 page

WEEKLY DIARY ITEMS - LBZSA

3 December Thru 9 December 1959

(U) Letter Contract AF 04(647)-449 with Aeronutronics - Program 609A

Negotiations for the definitization of Letter Contract AF 04(647)-449 are essentially complete and resulted in a CR contract for an estimated cost of \$2,676,000 with no fee, as Aeronutronics proposed "to undertake the work without fee" which we accepted. It was agreed during negotiations, however, that future changes and/or additions to this program which are outside the scope of the present work statement will be subject to fee. A few loose ends remain on contract language, but we hope to resolve these this week.

(U) Contract AF 04(647)-476 with General Electric - Communications Satellite

1. The definitive contract was forwarded for review 8 December 1959.

2. There are unofficial indications that Project Steer (the ARPA designation for the 1960 Polar Phase Communication Satellite Program) may be cancelled by ARPA. However, since the Communication Satellite Program is the result of a SAC operational requirement, the Air Force is reluctant to drop it and may continue the program in substantially the present form. Lt. Col. Evans, WDZC, ext. 1812, will keep us informed, but at present the cancellation is merely conversation.

(U) Contract AF 04(647)-361 with STL - Tiros, Transit and Courier Projects

Cost negotiations were completed 5 December with agreement on an estimated cost of \$7,131,000. This estimated cost is to cover the following tasks: SE/TD for Tiros, Transit IA and the design, fabrication, launch, tracking and associated services for the experimental payloads designated as Transit IB, IIA and Courier IA. The STL proposal for SE/TD for two follow-on projects, Transit IIB and Courier IB, has not been received. The ~~payloads~~ ^{SE/TD} for these two follow-on projects are being fabricated by Aerojet to the STL design. Upon receipt of the STL proposal for this effort (expected momentarily) a supplement to this contract will be negotiated.

(U) Contract AF 04(647)-302 with STL - Able 3 and 4

The Able 3 deep space probe, using a Thor boosted vehicle, is scheduled to be launched on 15 December. Indications from the AFBMD project office are that preparations for the launching are proceeding satisfactorily.

(U) Amendment Nr. 2 to Contract AF 04(647)-361 with STL (Definitive Contract number to be AF 04(647)-504) - SE/TD for Communication Satellite Program

As a result of meetings with AFBMD and STL representatives during the past week the level-of-effort to be procured from STL for SE/TD for this program has been set at 90 MIS straight time manmonths for each month from December 1959 through June 1960. STL submitted their proposal dated 1 December 1959 proposing a level-of-effort of 114 in December and progressively increasing to 220 in June 1960. As a result of this difference in the level-of-effort, a revised proposal is being requested. Additional information from STL to support some of the tasks outlined in their proposal is also being requested.

WEEKLY DIARY ITEMS - LBZSP

3 December Thru 9 Dec 1959

(U) Douglas Aircraft Company, Inc.

1. (U) Supplemental Agreement No. 52 to Contract AF 04(645)-65 (which definitized Letter Contract Designated as SA No. 15) for supplies and services in support of the WS 117L Program at an increase of \$8,887,066 has not returned from Hq AMC. In the interim, work continues under the Letter Contract.

2. (U) Supplemental Agreement No. 56 to Contract AF 04(645)-65 formalizing 27 CCN's as well as the deletion of the Technical Direction requirements of the Contract has been executed by the Contractor, returned and will undergo final review and distribution on or about 14 December 1959. This document cleans up the majority of outstanding CCN Cost Proposals on hand.

3. (U) Supplemental Agreement No. 58 to Contract AF 04(645)-65 which formalizes 6 CCN's and definitizes Amendment No. 3 to Letter Contract No. 26 covering THOR Booster Modifications was forwarded on 9 December to LBPC for initial review.

4. (U) Supplemental Agreement No. 59 to Contract AF 04(645)-65 definitizing Letter Contract Designated as SA No. 41 and covering the WS 315A Interim Unit Proficiency System is presently being review by LBPF and subsequently will be forwarded to LBPC for initial review.

(U) Calibration Standards Laboratory at Vandenberg AFB

Negotiations with Cook Electric Company covering the modification of the calibration van have been completed and as a result, Cook's proposed price of \$89,000 was reduced to \$85,700. Upon completion of the modification (which will take six months) Cook will be able to calibrate the most up-to-date equipment used by Contractors at Vandenberg AFB. No problems are anticipated.

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REPLY TO
ATTN OF

LRZJ/2712

10 December 1959

SUBJECT : WEEKLY DIARY - 4 thru 10 December 1959

TO: IBG

Satellite Systems

1. Status of Definitization of L/C 347: (UNCL)

Price discussions are close to completion with respect to the DISCOVERER Program and it is anticipated that final negotiations on this program will commence shortly. Discussions have commenced on the MIDAS Program and these will continue through the week of 14 December. Upon completion of DISCOVERER and MIDAS discussions, the SAMOS Program will be taken up and it is hoped that all three of these satellite system contracts will be definitized in January or February 1960.

2. Status of Reprogramming Actions on Satellite Systems: (UNCL)

As a result of budgetary ceilings imposed by Hq USAF, the requirement has been established to scale down the contractor's rate of effort consistent with such ceilings. The items which must be deleted to reduce the scope of the program have been outlined but approval has not been obtained from the Pentagon. Presentations are scheduled for 15 December, at which time it is expected that a directive will be obtained, either advising that adequate funding will be provided, or that the cuts in the program will be approved.

3. Engineered Magnetics Static Inverter Failures on Satellite Systems Programs: (UNCL)

A meeting was held between representatives of AFEMD/BMC/AFPR/QC/LAAPD/IMSD and Engineered Magnetics personnel on 9 December 59 to determine if static inverter failures experienced on the Satellite Program were attributable to Quality Control. It was generally agreed that in most instances, failures of inverters were the result of marginal design and state of the art advancement in this field of endeavor. However, to minimize possibilities of and insure against Quality Control type failures, it was decided that closer Air Force Quality Control of the supplier's plant and receiving inspection at IMSD would be implemented.

4. Development, Operational and Logistic Plans: (UNCL)

Representatives of ADC, SAC and ISM convened 9-10 December 1959 at the AFEMD Complex to review details of the Development, Operational