

**SECRET**

DEPARTMENT OF THE AIR FORCE  
STAFF MESSAGE DIVISION  
INCOMING MESSAGE

*Floyd,  
Kunros  
File  
SAMOS*

AF IN : 28624 (28 Oct 59)  
ACTION: **DATA**  
INFO : COM

X/MS

AC - PARAPHRASE NOT REQUIRED EXCEPT PRIOR TO CATEGORY B ENCRYPTION  
PHYSICALLY REMOVE ALL INTERNAL REFERENCES BY DATE TIME GROUP PRIOR  
TO DECLASSIFICATION NO UNCLASSIFIED REFERENCE IF THE DTG IS QUOTED

~~XXXXXXXXXX~~  
P 272330Z  
FM AFBMD  
TO COFS USAF  
BT

~~SECRET~~/FROM WJZSS-10-3-E FOR AFDAT PD REF OSD MESSAGE DEF 441266  
CMM 8 OCT 59 PD REQUEST PARTS I THROUGH V BE PASSED TO ARPA IN RESPONSE  
TO REFERENCED MESSAGE PD PART I PD THIS MESSAGE IS SUBMITTED IN  
ANTICIPATION OF A REVISED SAMOS DEVELOPMENT PLAN AND SAMOS OPERATIONS  
ANNEX TO BE PRESENTED IN LATE NOVEMBER 59 PD CURRENT CONTRACT  
NEGOTIATIONS CMM WHICH WILL DEFINITIZE THE PROGRAM AND ATTENDANT COSTS  
CMM WILL BE THE BASIS OF THE REVISED DEVELOPMENT PLAN AND ANNEX PD THE  
FOLLOWING IS CONCERNED ONLY WITH PLANNED PROGRAM CHANGES SUBSEQUENT  
TO THE 30 JANUARY 59 SAMOS DEVELOPMENT PLAN PD PART II CLN GROUND  
RULES FOR THIS ESTIMATE CMM AND THOSE BEING USED BY AFBMD ON PREPARING  
THE REVISED PLAN AND ANNEX ARE AS FOLLOWS CLN A. TOTAL FY60 FUNDS  
AUTHORIZED FOR THE SAMOS R AND D PROGRAM IS \$148 MILLION PD MAXIMUM  
EFFORT IS BEING MADE TO ATTAIN ALL DIRECTED R AND D OBJECTIVES CMM  
INCLUDING THE FOUR-LAUNCH RECOVERY PROGRAM CMM WITHIN THIS FUND  
CEILING PD CONTRACTOR HAS BEEN DIRECTED TO ADJUST HIS SPENDING TO THE  
\$148 MILLION CEILING PD B. TARGET DATE FOR FIRST SAMOS R AND D LAUNCH

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IS 24 JUNE 1960 PD THIS DATE IS CONTINGENT UPON SUCCESSFUL ACCELERATION OF THE I AND C SCHEDULE AT THE PT ARGUELLO SITE PD C. THE COMPLETION DATE OF THE R AND D LAUNCH SCHEDULE CMM NOW PLANNED FOR MAY 1962 CMM IS CONTINGENT UPON EARLY AVAILABILITY OF THE 65-1 COMPLEX AT VAFB FOR R AND D PURPOSES PD DECISION TO MAKE 65-1 AVAILABLE FOR THIS PURPOSE MUST BE MADE BY DECEMBER 59 IF THE SCHEDULE IS TO BE MET PD PART III PD BASED ON THE ABOVE GROUND RULES THE FOLLOWING SAMCS FLIGHT SCHEDULE IS ESTABLISHED PD

FLIGHT	PAYLOAD	STAND	COMPLEX	DATE
1	E/F	1	PT ARGUELLO 1	JUNE 60
2	E/F	2	"	AUG 60
3	E/F	1	"	SEPT 60
4	E	1	"	NOV 60
5	F	2	"	DEC 60
6	E	1	"	JAN 61
7	F	2	"	FEB 61
8	E	1	"	APR 61
9	F	2	"	JUL 61
10	E/R/	1	65-1	AUG 61
11	E	1	PT ARGUELLO 1	SEPT 61
12	F	2	"	OCT 61

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FORM  
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13	E/R/	1	65-1	NOV 61
14	E	1	PT ARGUELLO 1	DEC 61
15	F	2	"	JAN 62
16	E/R/	1	65-1	JAN 62
17	E	1	PT ARGUELLO 1	FEB 62
18	E/R/	1	65-1	MAY 62

PART IV PD FLIGHT CONFIGURATIONS ARE AS FOLLOWS CLN FLIGHTS 1 CMM 2 AND 3 ARE DUAL PAYLOAD CMM SINGLE TANKAGE AGENA VEHICLE CMM MODIFIED ATLAS D BOOSTER AS PREVIOUSLY PLANNED PD FLIGHTS 4 THROUGH 18 ARE SIGNAL PAYLOAD CMM DUAL TANKAGE AGENA VEHICLE CMM WITH ORBITAL ADJUST CAPABILITY CMM MODIFIED ATLAS D BOOSTER PD THE CHANGE TO DUAL TANKAGE FOR SAMOS USE WAS BASED ON PRODUCTION AND STAND MODIFICATION CONSIDERATIONS IN VIEW OF ALL OTHER AGENA PROGRAMS USING THIS CONFIGURATION CLN PART V. THE E-3 VISUAL RECONNAISSANCE PAYLOAD IS BEING INVESTIGATED TO DETERMINE APPROACH AND SCHEDULE FOR A FIVE FOOT GROUND RESOLUTION READOUT SYSTEM PD PART VI PD FACILITY REQUIREMENT REFLECT THE FOLLOWING ADDITIONS CLN A. TRACKING AND DATA ACQUISITION STATION CMM FI STEVENS CMM OREGON PD DESCRIPTION AND UTILIZATION OF THIS STATION ARE AS INDICATED FOR THE NEW BOSTON AND OTTUMWA STATIONS IN THE

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EP JANUARY 59 DEVELOPMENT PLAN PD THIS FACILITY WILL SUPPORT OPERATIONAL REQUIREMENTS CMM IN PLACE OF THE INTERIM VAFB STATION CMM AND WILL BE DEALT WITH IN DETAIL IN THE SAMOS OPERATIONS ANNEX TO THE DEVELOPMENT PLAN TO BE PRESENTED IN NOVEMBER 59. PD 3. EARLY FIX PD, THE R AND D PROGRAM FOR THE DATA PROCESSING SUBSYSTEM OF SAMOS IS PROCEEDING AS OUTLINED IN THE JANUARY DEVELOPMENT PLAN WITH CERTAIN MODIFICATIONS REQUIRED BY DIRECTIVES FROM HQ USAF AND ARPA PD THESE MODIFICATIONS CONCER A SHIFT IN THE LOCATION FOR ACCOMPLISHING A MAJOR PORTION OF THE R AND D SYSTEM TESTING FROM THE CONTRACTORS FACILITIES AT DENVER TO THE IPC AT OFFUTT AFB PD THE TOTAL SCOPE CMM PURPOSE CMM OBJECTIVES AND TECHNICAL COMPOSITION OF THE PROGRAM REMAINS THE SAME AS REPORTED WITH THE ADDITION OF A PACKAGE OF EQUIPMENT AND A COMPLEMENT OF PERSONNEL TERMED EARLY-FIX PD THIS PACKAGE IS PART OF THE OPERATIONAL ANNEX TO THE DEVELOPMENT PLAN NOW BEING REVISED PD THE EQUIPMENT AND PERSONNEL ARE REQUIRED TO PROVIDE THE AIR FORCE OPERATING SQUADRON AT OFFUTT AFB WITH THE CAPABILITY PROCESS THE DATA GENERATED BY THE INITIAL R AND D SAMOS TEST FLIGHTS PD THIS EQUIPMENT MAY BE EVENTUALLY INTEGRATED INTO THE OPERATIONAL SYSTEM AS IT IS DEVELOPED AT OFFUTT AFB PD DETAILED CRITERIA FOR THIS PACKAGE INDICATES A TOTAL OF 12000 SQUARE FEET

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WILL BE REQUIRED AT A COST OF \$3.2 MILLION PD C. IPC/TOCC PD IN ORDER TO FULLY SATISFY AND CONFORM WITH THE DIRECTIVES RECEIVED CMM. THE CONSTRUCTION PROGRAM FOR THE CENTRAL OPERATING IPC/TOCC FACILITY HAS BEEN ACCELERATED PD THE DETAILED CRITERIA FOR THIS INDICATES THAT A TOTAL OF 216000 SQ FT WILL BE REQUIRED FOR THE COMBINED INTEGRATED FACILITY FOR A TOTAL COST OF \$3.5 MILLION CONSTRUCTION FUNDS PD THIS REPRESENTS AN INCREASE OF 66000 SQ FT AND \$1 MILLION OVER THE AMOUNTS ESTIMATED IN THE OPERATIONAL ANNEX OF THE JANUARY DEVELOPMENT PLAN PD

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