



RECEIVED

~~TOP SECRET~~

ACTION ACTION
28 OCT 1954 ZTE 44
INFO INFO

SPECIAL HANDLING

TSBA940/28/2035Z ZEA
BT
XXXXX ZEA
SIX THREE TWO GUARD

32

~~TOP SECRET~~ 281907Z
WHIG CITE WORTH-5394
CORONA, ARGON, LANYARD
FOR GENERAL MARTIN AND [] FROM GEN GREER

REFERENCES:
A. WHIG 15 12
B. WHIG 15 15
C. SAFSS VERBAL REQUEST FOR DATA ON FLYING STORED LANYARD PAYLOADS.

1. REFERENCES REQUESTED COST ESTIMATES ON SEVERAL FACETS OF PROJECT 241. IN ORDER TO KEEP THE BOOKS STRAIGHT THIS MESSAGE PROVIDES A CONSOLIDATED RECOUNTING FOR PROJECT 241, STARTING WITH THE BASIC PROGRAM STATED IN WHIG 1434 AND SHOWING ADDITIVE COST ELEMENTS FOR WORK REQUIRED BY REFERENCES. CORONA OCV AND ADVANCED CARTOGRAPHIC COSTS ARE OMITTED.
2. AS REQUESTED IN REFERENCE B, WE HAVE REVIEWED THE COSTING IN WORTH 5335. WE FIND THAT WE DID APPLY THE 2,538 FOR SPARE THOR/AGENA AGAINST THE SIX SPARE SYSTEMS; HOWEVER IN THE ABSENCE OF OTHER GUIDANCE WE ASSUMED THE EARLIEST POSSIBLE FY 66 AVAILABILITY DATES FOR THE THREE CORONA J REPLACEMENT SYSTEMS: JULY, AUG & SEPT 65. REFERENCE B HAS NOW SPECIFIED AVAILABILITY IN OCT 65, FEB 66 AND JUNE 66, AND THIS SLIPS THE COST OF ONE UNIT EACH OF SPACECRAFT, THOR, AGENA AND AGENCY PAYLOAD FROM FY 65 TO FY 66, REDUCING THE FY 65 COST STATED IN WORTH 5335 FROM \$17.34 MILLION TO \$11.56 MILLION.
3. REVISED COSTS OF THE BASIC 241 PROGRAM AS STATED IN WHIG 1434 (PHASE OUT MID FY 67) ARE SHOWN BELOW IN \$ MILLIONS:

ITEM	FY 65	FY 66	FY 67
SPACECRAFT - WHITE	33.520	10.680	5.160
- AGENCY BLACK	25.200	8.040	3.100
S/I CAMERA - SP BLACK	2.000	1.500	--
- AGENCY BLACK	1.440	--	--
PAN RESEAU - AGENCY BLACK	.435	.060	--
LOCKHEED SE - AGENCY BLACK	.800	.620	.310
AEROSPACE SE	1.250	1.000	.500
THOR BOOSTER	9.068	7.532	--
BOOSTER LAUNCH	15.028	13.260	5.304
AGENA D	18.200	15.600	--
AGENA LAUNCH	13.600	10.500	4.800
SUPPORT SERVICES	1.635	1.635	.500
TOTAL - WHITE	92.301	60.207	16.264
- SP BLACK	2.000	1.500	--
- AGENCY BLACK	27.875	8.720	3.410
GRAND TOTAL	122.176	70.427	19.674

NOTE: FY 65 COSTS INCLUDE 2,538 FOR SPARE THOR/AGENA APPLIED AGAINST SIX CORONA SPARES, 11.56 FOR LONG LEAD ON THREE REPLACEMENT CORONA J'S IN FY 66, AND 2,797 FOR ARGON.

4. EXTENDING THE CORONA J SCHEDULE PER REFERENCE B (PHASE OUT MID FY 68) WOULD NOT AFFECT FY 65 COSTS. FY 66-68 COSTS WOULD BE (\$MILLION):

ITEM	FY 66	FY 67	FY 68
SPACECRAFT - WHITE	26.650	18.450	--
- AGENCY BLACK	20.123	12.995	.819
S/I CAMERA - SP BLACK	1.500	1.500	--
PAN RESEAU - AGENCY BLACK	.060	--	--
LOCKHEED SYS. INTEG. - AGENCY BLACK	.620	.620	.310
AEROSPACE SE	1.000	1.000	.500

- WHITE			
- SP BLACK	2.000	1.500	--
- AGENCY BLACK	27.875	8.720	3.410
GRAND TOTAL	122.176	70.427	19.674

NOTE: FY 65 COSTS INCLUDE 2.538 FOR SPARE THOR/AGENA APPLIED AGAINST SIX CORONA SPARES, 11.56 FOR LONG LEAD ON THREE REPLACEMENT CORONA J'S IN FY 66, AND 2.797 FOR ARGON.

4. EXTENDING THE CORONA J SCHEDULE PER REFERENCE B (PHASE OUT MID FY 68) WOULD NOT AFFECT FY 65 COSTS. FY 66-68 COSTS WOULD BE (\$MILLION):

ITEM	FY 66	FY 67	FY 68
SPACECRAFT - WHITE	26.650	18.450	--
- AGENCY BLACK	20.123	12.995	.819
S/I CAMERA - SP BLACK	1.500	1.500	--
PAN RESEAU - AGENCY BLACK	.060	--	--
LOCKHEED SYS. INTEG. - AGENCY BLACK	.620	.620	.310
AEROSPACE SE	1.000	1.000	.500
THOR BOOSTER	9.815	6.040	--
BOOSTER LAUNCH	15.028	10.608	5.304
AGENA D	16.900	10.400	--
AGENA LAUNCH	12.000	9.600	4.800
SUPPORT SERVICES	1.635	1.308	.586
TOTAL - WHITE	83.028	57.406	11.190
- SP BLACK	1.500	1.500	--
- AGENCY BLACK	20.803	13.615	1.129
GRAND TOTAL	105.331	72.521	12.319

NOTE: AGENCY BLACK COSTS WERE COMPUTED BY SAFSP, USING PAYLOAD COSTS OF APPROXIMATELY \$1.775 MILLION EACH WITH COSTS ASSIGNED TO EACH FISCAL YEAR ON THE BASIS OF PERCENTAGES DERIVED FROM PARAGRAPH 4 OF ADIC 1034. RECOMMEND MR McDONALD EXAMINE ABOVE ESTIMATES AND MAKE CHANGES AS REQUIRED.

5. WORTH-5393 PROVIDED DATA IN RESPONSE TO REFERENCE C, AND CONTAINED THE FOLLOWING ESTIMATES OF FY 65 BLACK COSTS:

A. BASIC COSTS TO PREPARE THE FIVE STORED LANYARD PAYLOADS FOR FLIGHT IS \$1.25 MILLION, OF WHICH \$700,000 IS LMSC WORK AND \$750,000 IS ITEK WORK.

B. ADDITIONAL COST TO INSTALL A THERMAL CURTAIN IS \$500,000, ALL OF WHICH IS LMSC WORK, RAISING THE TOTAL TO \$1.95 MILLION.

C. ALTERNATIVE ADDITIONAL COST, FOR ITEK RE-WORK OF THE PAYLOADS IN LIEU OF THE THERMAL CURTAIN MODIFICATION, IS \$1.2 MILLION, OR A TOTAL OF \$2.65 MILLION.

D. AN ADDITIONAL ALTERNATIVE FOR MORE EXTENSIVE REWORK WAS NOT COSTED PENDING RECEIPT OF FURTHER GUIDANCE.

6. IF IT IS DECIDED TO FLY THE LANYARD PAYLOADS AS SUBSTITUTES FOR CORONA J, THE BANK OF SPARE BOOSTERS, AGENAS AND PECILIARS WOULD BE DECREASED. IF THESE ARE TO BE REPLACED TO MEET THE CURRENTLY PROPOSED CORONA J SCHEDULE, ADDITIONAL COSTS WOULD RESULT. SUCH REPLACEMENT HAS NOT BEEN COSTED PENDING RECEIPT OF FURTHER GUIDANCE.

7. CURRENT AGENCY CONTRACTS FOR LANYARD ARE IN PROCESS OF TERMINATION AND FINAL SETTLEMENT PROPOSALS HAVE BEEN RECEIVED. ACCORDINGLY, EFFORT TO FLY THE LANYARD PAYLOADS SHOULD BE ON NEW CONTRACTS, PREFERABLY UNDER SAFSP ADMINISTRATION.

8. EXTENDING THE ACTIVE LIFE OF J MISSIONS TO 9 DAYS PER REFERENCE A WOULD NOT CAUSE ANY ADDITIONAL COST.

9. REQUEST THE PROJECT 241 LAUNCH AND PROCUREMENT SCHEDULES BE FIRMED UP AND APPROPRIATE GUIDANCE BE FURNISHED WORTH AND ADIC.

~~TOP SECRET~~

~~TOP SECRET~~

SPECIAL HANDLING

B-3081
C-3