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DORIAN [redacted]  
FOR DR FLAX FROM GEN MARTIN AND GEN BERG  
REFERENCE: WHIG 5807

1. THE VALIDATED COLLECTION REQUIREMENT FOR THE DONKEY PAYLOAD IS CONTAINED IN USIB 41.14/270 (COMOR 69/49 ) DATED 3 NOVEMBER 1965. THIS REQUIREMENT WAS APPROVED BASED ON A PAPER PRESENTED BY THE NSA MEMBER OF THE SIGINT WORKING GROUP OF THE COMOR INDICATING THE EXPECTED HIGH INTELLIGENCE VALUE OF INFORMATION WHICH IS TRANSMITTED VIA THE SOVIET [redacted] SYSTEM. THE BASIC INTENT OF THIS SPECIFIC REQUIREMENT IS TO OBTAIN SUFFICIENT TECHNICAL DATA CONCERNING THE LOCATION, ANTENNA PATTERNS, AND MODULATION OF THE [redacted] SYSTEM TO PERMIT VALID CONSIDERATION OF FOLLOW-ON COLLECTION SYSTEMS WHICH MAY BE PROPOSED TO PROVIDE USEFUL INTELLIGENCE DATA FROM THIS SYSTEM. THE MOST SPECIFICALLY IDENTIFIED USE OF THE DONKEY OUTPUT IS IN CONJUNCTION WITH THE MCL SIGINT STUDY PROGRAM AUTHORIZED BY MCL PROGRAM OFFICE DIRECTIVE 66-1. THE OBJECTIVE OF THIS EFFORT IS TO ACCURATELY ASSESS THE DESIRABILITY OF A MCL SIGINT CONFIGURATION WHICH WOULD BE CAPABLE OF PROVIDING THE DESIRED INTELLIGENCE DATA FROM THE [redacted] SYSTEM. SOME BENEFIT SHOULD ALSO ACCRUE TO THE FUTURE [redacted] PROGRAMS WHICH ARE INTENDED TO INTERCEPT SIMILAR TYPE SYSTEMS FROM SYNCHRONOUS ORBITS.

2. THE TECHNICAL OBJECTIVES OF THE DONKEY ARE ALIGNED SPECIFICALLY TO THE REQUIREMENT OUTLINED ABOVE. THE OUTPUT WILL PROVIDE LOCATION OF [redacted] EMITTERS, AND DIMENSIONAL ANTENNA PATTERNS OF THESE EMITTERS (E. CLC AND SIGNAL LEVELS), AND IN INSTANCES WHERE THE MAIN LOBE OF THE TARGET SIGNAL IS INTERCEPTED, TWO 35 MHZ SAMPLES OF THE MODULATION CONTAINING THE SIGNAL. ADDITIONALLY, THE GROUP STATION (AT DALLAS, TEXAS) WHICH IS USED IN THE MCL SIGINT STUDY PROGRAM, WILL BE USED AS A CALIBRATION STATION FOR THE DONKEY. THIS WILL PROVIDE A DIRECT CORRELATION OF THE DATA OBTAINED FROM THE AIRCRAFT SIMULATION AND THAT COLLECTED ON ORBIT.

3. REFERENCE THE QUESTIONS OF FUNDING HISTORY AND IMPLEMENTING PROGRAM DIRECTION, TO DATE FUNDING AND IMPLEMENTATION ACTIONS HAVE BEEN PROVIDED IN TWO PHASES: ORIGINAL PROGRAM FUNDING OF \$1.350 MILLION WAS PROVIDED IN WHIG 4465, 9 DECEMBER 1965, BASED ON A [redacted]

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CONFIGURATION. THIS REPRESENTED ONLY THE BLACK PAYLOAD COSTS. \$ .95 MILLION WAS TO BE PROVIDED WHITE FOR PROCUREMENT OF THE [REDACTED] AS A RESULT OF ADDITIONAL STUDY, IT WAS DETERMINED THAT A [REDACTED] WOULD NOT BE SUITABLE FOR THIS PURPOSE AND ON 14 APRIL 1966 [REDACTED] 0784 FOLLOWED UP BY [REDACTED] 0835 ON 19 APRIL 1966 RECOMMENDED AN AFT RACK CONFIGURATION ON FTV 2732 AT A TOTAL COST OF \$.941 MILLION. THIS WAS APPROVED BY WHIG 5215. APPROVAL WAS PROVIDED THE CONTRACTOR IN THE FORM OF APPROVAL OF THEIR LCP 35. CONTRACT AF18(600)-2761 ON 28 APRIL 1966. SUBSEQUENT RE-EVALUATION OF INTEGRATION ON FTV 2732 INDICATED THE NECESSITY FOR PLACEMENT OF THE DONKEY AND ANTENNA ON THE FORWARD PAYLOAD VEHICLE DUE TO INTERFERENCE WITH THE SOLAR ARRAY WHICH WOULD RESULT FROM AN AFT RACK INSTALLATION. LCP 35 R1 WAS SUBMITTED BY THE CONTRACTOR FOR THIS PURPOSE ON 5 JULY 1966 WITH AN ROM COST OF \$.958 FOR VEHICLE INTEGRATION BRINGING THE TOTAL COST TO \$1.651 MILLION. OF THIS TOTAL \$.25 MILLION WAS FOR DATA PROCESSING.

4. SIGINT PAYLOADS ARE NOT ACTIVELY A PART OF THE MOL PROGRAM BASELINE AT THIS TIME. BECAUSE OF FUND LIMITATIONS AND THE EFFORT WHICH MUST BE DEVOTED TO THE MOL PRIMARY MISSION OF PHOTOGRAPHIC RECONNAISSANCE, IT HAS BEEN NECESSARY THAT WE CONCENTRATE OUR FUNDING AND MANPOWER RESOURCES ON THIS EFFORT. ANY CONSIDERATION FOR THE MOL FOLLOW-ON PROGRAM WILL BE AS A RESULT OF PRESENT STUDIES AND UNMANNED EXPERIMENTATION. IN THE [REDACTED] PROGRAM WE ARE ACTIVELY CONSIDERING THE USE OF THE DONKEY ANTENNA AND DATA PROCESSING EQUIPMENT FOR A PAYLOAD ON FTV [REDACTED] WHICH WILL BE CONCERNED WITH [REDACTED] DATA COLLECTION. THIS MESSAGE HAS BEEN DISCUSSED WITH COL COPLEY. HE WILL BE ABLE TO BRIEF REPRESENTATIVES OF SAFSS AND SAFSL ON SPECIFIC QUESTIONS THEY MAY HAVE.

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