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PRIORITY BISON.
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SECUR
BISON FOR COL MCCHRISTIAN FROM [redacted] (b)(3)
SUBJECT: HASP/WASP PROGRAM GROUND RULES
1. TUESDAY I DISCUSSED WITH YOU THE HASP/WASP PROGRAM. THE FOLLOWING POINTS REFLECT MY UNDERSTANDING OF OUR CONCENSUS ON THE PROGRAM.
2. THE SHUTTLE SORTIE SEARCH SYSTEM DEVELOPMENT WILL BE COMPOSED OF TWO DISTINCT BUT INTIMATELY INTERACTIVE PHASES. THE INITIAL PATHFINDER PHASE, CALLED HASP, WILL BE A PATHFINDER FOR THE SECOND PHASE TO DEVELOP WASP AN OPTIMIZED SEARCH CAMERA FOR USE FROM THE SHUTTLE BAY.
3. HASP PHASE
A. THE PROGRAM WILL BE MANAGED BY PROGRAM A USING EXISTING FACILITIES AND RESOURCES OF THE HEXAGON PROGRAM TO DEVELOP A SHUTTLE PALLET MOUNTED HEXAGON SENSOR SYSTEM. THE DESIGN WILL MAKE MAXIMUM USE OF EXISTING HEXAGON HARDWARE AND SPARES.
B. THE HASP PROGRAM WILL BE A PATHFINDER FOR DEVELOPMENT OF PROCEDURES FOR THE USE OF THE SHUTTLE TO LAUNCH AND SUPPORT OPERATION OF THE INTELLIGENCE SYSTEM. TECHNIQUES FOR INTEGRATING A SOPHISTICATED OPTICAL PAYLOAD INTO THE SHUTTLE ENVIRONMENT AND METHODS FOR RETEST AND REFURBISHMENT WILL BE DEVELOPED AND DEMONSTRATED.
C. THE HASP WILL BE AVAILABLE FOR LAUNCH IN LATE 1981. THE SHUTTLE FLIGHT WILL BE PLANNED AND SCHEDULED TO EXPEDITIOUSLY GATHER THE NECESSARY ENGINEERING DATA AND VALIDATIONS RATHER THAN TO MAXIMIZE THE INTELLIGENCE TAKE. ANY INTELLIGENCE REQUIREMENT SATISFACTION THAT MIGHT ACCRUE FROM THE HASP MISSION IS A SECONARY BENEFIT NOT THE PRIMARY OBJECTIVE.
4. WASP SYSTEM DEVELOPMENT
A. THE OPTIMIZED SYSTEM DESIGN WILL BE CAPABLE OF SATISFYING THE NATIONAL SEARCH REQUIRMENTS FOR AREA, PERIODICITY, MODE (MONO/STERO) AND QUALITY. THE OPTIMIZATION OF THE SYSTEM MUST BE BASED ON ECONOMIC FACTORS AND CONSIDER THE COST IMPLICATIONS OF DESIGN TRADES SUCH AS FOCAL LENGTH VERSUS ALTITUDE, EASE OF MAINTENANCE VERSUS HIGH INHERENT RELIABILITY, ETC.
B. THE SYSTEM WOULD BE AVAILABLE FOR INITIAL FLIGHT IN LATE

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1984 AND WOULD BE CAPABLE OF ASSUMING THE SEARCH AND MC&G TASK IN 1985.

C. THE PHASING OF THE PROCUREMENT DESIGN AND DEVELOPMENT OF THE WASP OPTIMIZED SYSTEM SHALL BE TAILORED TO MAXIMIZE THE IMPACT OF HASP LESSENS ON THE EVOLVING WASP SYSTEM.

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