

ZCZCXQA938BAA668
OO RUXQAA
DE RUXQBAA 681 1201720
ZNY XXXXX FKY
O 301715Z
BT
XXXXX
GUARD 399
GUARD PASS WHIG

8696 WHIG
8

WORKING COPY

~~TOP SECRET~~ 301715Z APR 71 CITE CHARGE 2544.

IMMEDIATE WHIG
12662/GAMBIT [REDACTED] HEXAGON/ZAMAN

FOR DR. MC LUCAS FROM GEN ALLEN
SUBJECT: INTERIM SYSTEM FILM READOUT GAMBIT STATUS.
REFERENCE: WHIG 2531 AND CHARGE 2507.

1. A STATUS REPORT ON ACTIONS TAKEN TO DATE AND OUR PHILOSOPHY OF MANAGEMENT TO IMPLEMENT THE GAMBIT FILM READOUT SYSTEM FOLLOWS:

2. CONTRACTS WERE INITIATED WITH LMSC AND EKC ON 28 APR 71 FOR THE DEFINITION PHASE OF THE READOUT SYSTEM. MAXIMUM COST FOR THESE TWO CONTRACTS IS [REDACTED]

[REDACTED] A COMPETITIVE DEFINITION PHASE FOR THE SYSTEM SOFTWARE IS IN PROCESS. COSTS FOR THIS EFFORT WILL NOT EXCEED [REDACTED]

(b)(1)
(b)(3) 10 USC + 424

DISTRIBUTION		
SAFSS	A	T
Dr McLucas		
Dr Naka		
SS-1		1
SS-2		1
SS-3		1
SS-4		
SS-5		
SS-7	1	
SS-		
COMP	2	
SS-1/RF		✓
RD-2/RF		
FILE		

PAGE 2 CHARGE 2544 ~~TOP SECRET~~

3. DEVELOPMENT CONTRACT PROPOSALS WILL BE AVAILABLE ON 1 JUL 71 AND WILL BE BASED ON FIRM QUOTES FOR WELL DEFINED HARDWARE AND "NOT TO EXCEED" PROPOSALS FOR LESS WELL DEFINED HARDWARE (SUCH AS THE COMMAND SYSTEM). APPROPRIATE COSTS FOR PARALLEL DESIGN APPROACHES WILL ALSO BE INCLUDED WHERE SUCH AN APPROACH IS JUSTIFIED. WE SHOULD BE PREPARED TO REPORT TO YOU ON THE FIRM COSTS BY 9 JUL 71. WE WILL MAKE EVERY EFFORT TO PULL THIS DATE UP TO 1 JUL PER YOUR REQUEST. ON GO-AHEAD, I THEN PLAN TO ISSUE LETTER CONTRACTS CALLING FOR FIRST FLIGHT 30 MONTHS HENCE. AT THE PRESENT TIME OUR SYSTEM DEFINITION COSTS ARE BEING PRICED BY THE CONTRACTOR BASED ON A 4 TO 6 VEHICLE BUY. FIRM PLANNING GUIDANCE FROM NRO WITH RESPECT TO FORCE MIX BY FISCAL YEAR FOR GAMBIT, HEXAGON, AND THE READOUT SYSTEM WILL ENABLE US TO SECURE MORE REALISTIC COST ESTIMATES BY FISCAL YEAR FROM THE CONTRACTOR.

4. I PLAN TO PLACE RESPONSIBILITY FOR THE DEVELOPMENT AND ACQUISITION FOR THE INTERIM SYSTEM IN THE GAMBIT SPO(SP-14). SP-6 WILL RETAIN RESPONSIBILITY FOR THE

~~TOP SECRET~~
CONTROL

~~TOP SECRET~~
BREMEN
CONTROL SYSTEM

PAGE 3 CHARGE 2544 ~~TOP SECRET~~
INITIATION OF THE DEFINITION PHASE AND AN ORDERLY TRANSFER FROM SP-6 TO SP-14 IS PLANNED PRIOR TO 1 JUL 71.
5. CONTRACTOR RESPONSIBILITIES WILL VARY ONLY SLIGHTLY FROM GAMBIT. EKC HAS BEEN ASSIGNED RESPONSIBILITY FOR THE ENTIRE IMAGING CHAIN FROM ENTRANCE/PUPIL TO REPRODUCED PHOTOGRAPH ON THE GROUND. THIS ASSIGNMENT RESULTS IN A SUBCONTRACT REQUIREMENT FOR THE DATA LINK FOR WHICH EKC HAS SELECTED RADIATION, INC. THE LASER SCANNER SUBSYSTEM SUBCONTRACTOR WILL NOT BE SELECTED UNTIL SUFFICIENT PROGRESS HAS BEEN MADE WITH THE CURRENT PARALLEL DEMONSTRATION EFFORT. HOWEVER, I HAVE INFORMED EKC THAT THEY WILL MAKE THIS SELECTION BASED ON COST, SCHEDULE AND PERFORMANCE CONSIDERATIONS AND THAT, BEYOND NORMAL REVIEW AND CONSENT RESPONSIBILITIES, I DO NOT ANTICIPATE INTERFERING WITH THEIR COMPETITIVE SELECTION. LMSC HAS BEEN ASSIGNED RESPONSIBILITY FOR THE ENTIRE ORBITAL CONTROL VEHICLE TO INCLUDE THE COMMAND SYSTEM WHICH IS GFE ON GAMBIT. LMSC WILL PERFORM IN A SYSTEMS INTEGRATION ROLE TO BE SPECIFICALLY DEFINED DURING THE DEFINITION PHASE.

(b)(1)
(b)(3) 10 USC + 424

PAGE 4 CHARGE 2544 ~~TOP SECRET~~
THIS CONTRACT ARRANGEMENT SHOULD FACILITATE EFFECTIVE INCENTIVE AGREEMENTS AND PROVIDE A RELATIVELY SIMPLE MANAGEMENT STRUCTURE. THE SUBCONTRACT STRUCTURE WILL BE REVIEWED BEFORE PROCEEDING WITH ACQUISITION.
6. AT PRESENT, I DO NOT PLAN TO INCLUDE ATTACK REPORTER SYSTEM OR VULNERABILITY MEASURES IN THE INITIAL DEVELOPMENT. WE WILL CONSIDER INTERFACE PROVISIONS AND A WEIGHT ALLOCATION WHICH WOULD BE TRADED AGAINST EXPENDABLES. WE CAN RELY ON [REDACTED]

AFTER NOTING RESPONSE FROM THE HEXAGON INSTALLATION.
7. I ALSO HAVE DIRECTED AN INVESTIGATION OF DATA LINK PRIVACY. THE APPROACH HERE IS TO PROVIDE DELTA COSTS FOR SEVERAL OPTIONS OF VARYING COMPLEXITY. THESE OPTIONS INCLUDE HIGH GAIN ANTENNAS, MOVING THE GROUND STATION INLAND, AND ENCRYPTION. THESE DELTA COSTS WILL BE INCLUDED IN THE 1 JUL SUBMISSIONS. I FEEL, HOWEVER, THAT CAREFUL CONSIDERATION SHOULD BE GIVEN TO THE FOLLOWING CONCEPT: IN AN INTERIM SYSTEM WITH EMPHASIS ON CRISIS CAPABILITY, IT COULD BE ACCEPTED THAT THE

PAGE 5 CHARGE 2544 ~~TOP SECRET~~
U.S. MAY WISH TO USE THE PRODUCT IN A BI-LATERAL DISCUSSION. THIS PRODUCT WOULD NOT BE SPECIFICALLY REVEALING OF THE CAPABILITIES OF GAMBIT RECOVERY, HEXAGON OR ZATAN. THEREFORE, IT SHOULD BE ACCEPTABLE TO RELAX THE CONCERN ABOUT DOWNLINK PRIVACY AND STAY

~~TOP SECRET~~
BREMEN
CONTROL SYSTEM

~~TOP SECRET~~
HANDLE VIA BYEMAN
CONTROL SYSTEM

WITH THE SIMPLE PLAN WE INITIALLY PROPOSED.
3. THE SECURITY POLICY AFFECTING THIS INTERIM SYSTEM FOR THE NEAR TERM IS CONTAINED IN CHARGE 2587. MY PRESENT CONVICTION IS THAT THE PROGRAM FOLLOWING ACQUISITION GO-AHEAD CAN BE ADEQUATELY PROTECTED UNDER THE GAMBIT CAVEAT. SOME SUB-COMPARTMENTATION WILL BE NEEDED AND SPECIAL CONSIDERATION OF SECURITY AT THE GROUND STATION BUT I DO NOT RECOMMEND A NEW CODEWORD.

9. IN SUMMARY, I FULLY INTEND TO INITIATE, DEVELOP, AND FLY THIS INTERIM READOUT SYSTEM IN 36 MONTHS AFTER GO-AHEAD, AND TO MANAGE IT WITH FIRM COST-CONSCIENTIOUSNESS, SCHEDULE, AND PERFORMANCE CONSIDERATIONS.

~~TOP SECRET~~
BT

NNNN 301821

~~TOP SECRET~~
HANDLE VIA BYEMAN