ITN 0261

VZCZCXQA449 121217 PP KYS RUXSBAA2303 3112350 00059-XXXX--RUXPDAA.

ZNY XXXXX KYS ZNM P 072350Z BT XXXXX DAMP 617 DAMP PASS

TOPSECRET 072350Z NOV 78 CITE BISON 0048
PRIORITY
HANDLE VIA BYEMAN CHANNELS ONLY
HEXAGON/SAMBIT
FOR MR. HILL
FROM: GEN KULPA
SUBJECT: SALT II OPTIONS
REFERENCE: A.

1244, 24 OCT 78
B.
1255, 27 OCT 78
C. DACOM TO MR. HILL FROM GEN KULPA,
30 OCT 78

GAFUSS
SAFUSS
SAFSS
EXEC
S&T
L&A
P&B
COMM
RF-1
RF-2
TC
SAF/SPE

(b)(1) (b)(3)

1287, 2 NOV 78

1. IN RESPONSE TO YOUR REQUEST FOR REFINEMENT OF THE DATA PROVIDED IN REFERENCE C, I AM PROVIDING THE FOLLOWING INFORMATION RELATING TO EACH OF THE ALTERNATIVES DESCRIBED IN REFERENCE B. THIS DATA REFLECTS THE COSTS THROUGH FY 84 OF THE PROPOSED ALTERNATIVES.

2. THE FOLLOWING ALTERNATIVES CORRESPOND TO YOUR MESSAGE,

1255.

A. (1) ACCELERATED HEXAGON LAUNCH SCHEDULE (OPTION 1)

79 80 82 83 84 81 APPROVED PROGRAM 190.1 213.1 192.9 148.2 103.1 79.5 2 • 0 1.0 ACCELERATIONS 1.0 3.0 Ω 0 79.5 TOTAL 191.1 216.1 194.9 103.1 (2) ACCELERATED HEXAGON LAUNCH SCHEDULE (OPTION 2) COSTS SHOWN HERE INCLUDE NOT ONLY THE SV COSTS BUT SUPPORT COSTS AS WELL. IMPACT TO OTHERS IS NOT SHOWN.

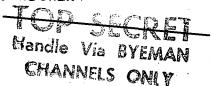
79 80 81 82 83 84 192.9 APPROVED PROGRAM 190.1 213.1 148.2 103.1 79.5 SV COSTS 13.0 15.0 11.3 (4.7) (2.5) (12.1)SUPPORT COSTS 0 15.0 0 . 4.1 (4.1) 203.1 243.1 204.2 147.6 96.5 TOTAL 36.8

B. THE FOLLOWING BUDGETARY ESTIMA

THE FOLLOWING BUDGETARY ESTIMATE IS BASED ON THE PROGRAM DESCRIPTION PROVIDED IN OUR 30 OCT 78 DACOM. THE

SYSTEM WOULD HAVE ITS INITIAL FLIGHT IN FY 81

FOLLOWED BY ONE FLIGHT PER YEAR THRU FY 83 TO AUGMENT



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SYSTEM BEGINS OPERATIONS. FISCAL
HEXAGON UNTIL THE
YEAR COSTS ARE:
                       79
                              80
                                     81
                                            82
                                                    83
                                                           84
C. IMPROVED CALL-UP STATUS OF GAMBIT
THE ESTIMATED COSTS OF REDUCING THE PRESENT L-45 DAY
CALL-UP STATUS OF GAMBIT TO L-20 DAYS ARE AS FOLLOWS:
               79
                       80
                               81
                                       82
                                                83
                                                        84
                                                                 TOTAL
                       89.173
                               77.890
                                       73.417
                                                72.971
                                                        75.382
                                                                 492.728
CURRENT
              96.115
DELTA
                 .200
                         .200
                                 .200
                                          .200
                                                  .200
                                                          .200
                                                                     1.203
                               78.090
TOTAL
              96.315
                       89.373
                                       73.617
                                                73.171
                                                        75.582
                                                                 493.928
THESE COSTS WILL COVER THE PURCHASE OF ADDITIONAL SHELF-
LIFE LIMITED ITEMS (PYROS, ETC.) AND ASSOCIATED REFURBISH-
MENT REQUIRED BY THE REDUCED CALL-UP POSTURE. COSTS BEYOND
FY 84 ARE NOT SHOWN.
D. IMPROVED CALL-UP STATUS OF HEXAGON
NO FURTHER DATA REQUIRED PER
                                     1287.
                          ON HEXAGON
E. (1)
                                                                       (b)(1)
TOTAL PROGRAM COSTS, ATTRIBUTABLE TO THE PRODUCTION AND
                                                                       (b)(3)
                                    ON HEXAGON, STARTING
INTEGRATION OF A
WITH SV-19 AND ASSUMING A 1983 LAUNCH ARE:
                   80
                           81
                                  82
                                                 8 4
(2) SPACE SHUTTLE
THE COSTS ASSOCIATED WITH THE PRODUCTION OF A FULLY
                               FOR INTEGRATION ONTO THE
OPERATIONAL
STS WERE PROVIDED AS A PART OF THE AUG 78 REVISED BUDGET
SUBMISSION. THOSE COSTS ASSUMED THAT THE
                      WOULD PROVIDE THE EARLY INTERFACE
AND ENVIRONMENTAL DEFINITION. WITHOUT
DELTA FROM THE BUDGET SUBMISSION IS REFLECTED IN FY 79
AND 80.
            79
                   80
                           81
                                  82
                                         83
F. CAMOUFLAGE, CONCEALMENT AND DECEPTION (CC&D)
THE HEXAGON COSTS PRESENTED ARE FOR IMPLEMENTATION OF
STUDIES AT CONTRACTOR FACILITIES WHICH POSSESS UNIQUE
              AND IMAGE ENHANCEMENT CAPABILITIES FOR
                                                                        (b)(1)
TARGET DETECTABILITY ASSESSMENTS AND SALT MONITORING.
                                                                        (b)(3)
THE FUNDS FOR GAMBIT PROVIDE FOR AN UPDATE OF THE GAMBIT
         TO INCORPORATE CURRENT TECHNOLOGY, REEVALUATE
HIGH COST SUBSYSTEMS. AND CONTINUE UNIQUE TARGET SIGNATURES.
THE RESULTS OF THIS STUDY WILL BETTER DEFINE REQUIREMENTS
AND CAPABILITIES OF THE SAMBIT SYSTEM AS WELL AS MODIFI-
CATIONS REQUIRED.
                                         83
                                                84
            79
                   80
                           81
                                  82
                           0.75
                                  0.4
                                         0 . 4
                                                0.4
HEXAGON
            0.75
                   0.75
                                   0
                                                  0
            0.2
                    0
                           0
GAMBIT
E-2 IMPDET
TOPSECRET
BT
#2303
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TOP SECRET
Handle Via BYEMAN
CHANNELS ONLY