

~~TOP SECRET~~HANDLE VIA
BYEMAN
CONTROL SYSTEM~~(S)~~ NATIONAL RECONNAISSANCE OFFICE

WASHINGTON, D.C.



THE NRO STAFF

21 November 1974

MEMORANDUM FOR COLONEL WHEELER *Wheeler*
MR. HILLSUBJECT: Possible Conflicts Between the DMA Geopac and
HEXAGON Pallet ExperimentsREFERENCE: A. CHARGE 8921, 18 Nov 74
B. WHIG 1028, 9 Aug 74
C. CHARGE 6524, 14 Aug 74

Reference A raises the question of possible conflicts between the DMA geopac and possible SP pallet experiments. References B and C are the discussion of this subject prior to pallet and geopac approval. The reference A message would not require a reply, except for the possibility of SP proceeding with a conflicting experiment under the misconception that Gen Bradburn could decide which would fly. This could lead to a flap which can be avoided by getting a DNRO adjudication before the fact. In the event a more important payload was approved which would bump the geopac, I see no way that DMA would accept a decision below the DNRO level.

Recommend release of the message at the right.

Daniel B. Hutchison
DANIEL B. HUTCHISON
Lt Colonel, USAFGAMBIT
HANDLE VIA
BYEMAN
CONTROL SYSTEMCLASSIFIED BY BYEMAN - 1 EXEMPT FROM
GENERAL DECLASSIFICATION SCHEDULE OF
EXECUTIVE ORDER 11652 EXEMPTION CATE-
GORY 5B2 DECLASSIFY ON IMP DET.~~TOP SECRET~~CONTROL NO Internal
COPY 1 OF 2 COPIES
PAGE 1 OF 1 PAGES

ZCZCXDA860AAT36
RR RUXQAA
DE RUXQBA 523 3221705
ZNY XXXXX KVK ZIM
R 161700Z
BT
XXXXX
QUARD 206, ANGLD 282
QUARD PASS WHIG
ANGLD PASS ETHER

~~TOP SECRET~~
HANDLE VIA BYEMAN
CHANNELS ONLY

Felchman
Rand
Hutchinson (ACTION)
Dan

Return to →

~~TOP SECRET~~ 161700Z NOV 74 CITE CHARGE 8921

ROUTINE WHIG INFO ETHER
HANDLE VIA BYEMAN CONTROL SYSTEM
HEXAGON EARPOP

FOR: WHEELER INFO: FROM: Q. BRADBURN

SUBJECT: HEXAGON EXPERIMENT PALLET
REFERENCE: WHIG 1415, ETHER 0546

1. WE WILL BE ABLE TO PROVIDE THE COST AND MILESTONE INFORMATION REQUESTED BY 29 NOV 74 AFTER OBTAINING INPUTS FROM LMSC.
2. THE REFERENCED MESSAGE INDICATES THAT THE DMA SPONSORED GEOMETRIC PACKAGE EXPERIMENT (GEOPAC) IS BEING CONSIDERED AS A PALLET LOAD FOR EVERY HEXAGON VEHICLE IN BLOCK III. USE OF A MAJOR PART OF THE PALLET CAPABILITY FOR A SINGLE EXPERIMENT WAS NOT OUR ORIGINAL INTENT WHEN DEVELOPING THE PALLET CAPABILITY. RATHER, OUR INTENT WAS TO

DISTRIBUTION		
SAFSS	A	I
SAFLS		
DD		
SS-1		✓
SS-2		✓
SS-3		
SS-4		
SS-5		
SS-6		✓
SS-7		
SS-8		
SS-9		
SS-10		
SS-11		
SS-12		
SS-13		
SS-14		
SS-15		
SS-16		
SS-17		
SS-18		
SS-19		
SS-20		

PAGE TWO CHARGE 8921 ~~TOP SECRET~~

- PROVIDE A CAPABILITY TO FACILITATE MANY DIFFERENT EXPERIMENTS AT LOW COST AND MINIMUM INTERFERENCE WITH THE HEXAGON PROGRAM.
3. SEVERAL OTHER EXPERIMENTS ARE CANDIDATES FOR THE PALLET. SOME OF THESE MAY BE MORE IMPORTANT THAN THE GEOPAC EXPERIMENT. FOR EXAMPLE, WE ARE DEVELOPING A SPREAD SPECTRUM EXPERIMENT WHICH WILL

BOTH OF THESE EXPERIMENTS ARE IN RESPONSE TO SPECIFIC USIB GUIDANCE AND ARE CONSIDERED TO BE HIGH PRIORITY CANDIDATES. OTHER HIGH PRIORITY CANDIDATE EXPERIMENTS WILL UNDOUBTEDLY SURFACE IN THE FUTURE. THEREFORE, IT IS MY INTENTION TO CONSIDER GEOPAC AS A CANDIDATE EXPERIMENT FOR VEHICLES 13 AND BEYOND. IT WILL BE EVALUATED ON ITS MERITS IN COMPETITION WITH OTHER CANDIDATES. I HAVE MADE SP-6 RESPONSIBLE FOR EVALUATING ALL CANDIDATE EXPERIMENTS. SP-6 WILL RECOMMEND TO ME WHICH EXPERIMENTS ARE TO BE FLOWN AND IN WHAT ORDER. COL R. JACOBSON WILL BE THE CONTACT IN SP-6 FOR THESE MATTERS.

E-2 IMPDET

~~TOP SECRET~~
BT

~~TOP SECRET~~
HANDLE VIA BYEMAN

WORKING COPY

N
N
PP RUXQBA
DE RUXQAA 851 2211530
ZNY XXXXX KKK ZNM
P 091529Z
BT
XXXXX
CATOR 929
CATOR PASS CHARGE

Return to Hutchison

SR

SWA254-ER

AA 7365/9

*SP-7 wants to make
sure the Pallet doesn't
take money away
from Hexagon.*

~~SECRET~~ 091529Z AUG 74 CITE WHIG 1028.

PRIORITY CHARGE.

HEXAGON

FOR ANDERSON [] JACOBSON [] FROM HUTCHISON.

SUBJECT: HEXAGON PALLET

REFERENCE A. CHARGE 0324, 062330Z AUG 74

B. WHIG 0706

IN ORDER TO ADDRESS THE QUESTION RAISED IN REF. ONE, REQUEST YOU ANSWER THE FOLLOWING QUESTIONS.

1. IF THE GFE GEODETIC PACKAGE WERE AVAILABLE IN DECEMBER 1975, WOULD IT BE ABLE TO FLY ON 1213 FOR THE CURRENT SCHEDULE? WOULD PALLETIZING OR NOT MAKE A DIFFERENCE WHETHER OR NOT IT COULD FLY ON 1213?
2. WOULD THE OTHER PALLETIZED EXPERIMENTS BE COMPATIBLE WITH THE GEODETIC PACKAGE AND P-11 PAYLOADS?
3. WOULD THE GEODETIC PACKAGE INTEGRATION COSTS CHANGE IF THE

PAGE 2 WHIG 1028 ~~SECRET~~

EFFECTIVITY OF THE PACKAGE WERE CHANGED TO 1213 THROUGH 1216 OR 1213 THROUGH 1218 INSTEAD OF 1214 THROUGH 1216?

4. WHAT ARE THE DETAILS OF THE COST DIFFERENCE BETWEEN GEODETIC PACKAGE INTEGRATION WITH AND WITHOUT THE PALLET; I.E., WHY DO WE ONLY SAVE DMA \$0.470M IN GOING FROM A NON-PALLETED TO A PALLETED CONFIGURATION?

E2 IMPDET

~~SECRET~~

BT

DISTRIBUTION		
	A	I
SAFSS		
SAFLS		
DD		
SS-1		
SS-2		
SS-3		
SS-4		
SS-5		
SS-6		
SS-7		
CCRP		
SS-DRP		
RF-11		
FILE		

WORKING COPY

~~SECRET~~

*MADE IN RUSSIA
CENTRAL SPICE*

N

N

~~TOP SECRET~~
Handle Via BYEMAN
CHANNELS ONLY

AA-7509

The image shows a document with a grid of boxes, likely a ledger or a form. The grid is composed of approximately 10 columns and 10 rows. Some of the boxes contain handwritten marks:

- A large 'X' is written in the middle-right section of the grid.
- A circled 'X' is written in the lower-middle section of the grid.
- Another 'X' is written in the bottom-right corner of the grid.

The document appears to be a scan of a physical page, with some noise and artifacts visible.

~~TOP SECRET~~
Handle Via BYEMAN

~~TOP SECRET~~
Handle Via BYEMAN
CHANNELS ONLY

	FY 75	FY 76	FY 77	FY 78	TOTAL
W/OUT PALLET	.250	1.000	.250	.080	1.580
W/TH PALLET	.150	.750	.150	.050	1.100

WE ANTICIPATE RECEIPT OF A DEFINITIZED ECP FOR A THREE FLIGHT GEO-PAC PROGRAM NLT 6 SEP 74. COSTS WILL BE QUOTED BOTH WITH AND WITHOUT PALLET. THE COST DIFFERENCE IS NOT GREATER BETWEEN INTEGRATION WITH AND WITHOUT THE PALLET FOR THE FOLLOWING REASONS:

- (1) MESA ACCELEROMETERS ARE NOT PHYSICALLY LOCATED ON THE PALLET.
- (2) EXPERIMENTERS MUST PROVIDE OWN TAPE RECORDERS AS STUDIES HAVE SHOWN NO SINGLE TAPE RECORDER COULD SATISFY ALL POSSIBLE CANDIDATE EXPERIEMENTS.
- (3) THERMAL ENVIRONMENT REQUIRES INVESTIGATION AND CONTROL FOR EACH CANDIDATE EXPERIMENT. ACTIVE THERMAL CONTRL WAS CONSIDERED AND REJECTED AS MAKING THE PALLET PECULIAR COSTS UNACCEPTABLY HIGH.
- (4) COSTS ARE RECOGNIZED FOR INTEGRATION OF EXPERIMENTS TO PALLETS, TESTING AND INSTALLATION ON HOST VEHICLE. EFFORTS ARE BEING MADE TO FURTHER REDUCE THESE INTEGRATION COSTS.

PAGE 4 CHARGE 6254 ~~TOP SECRET~~

2. THE COST BREAKDOWNS PROVIDED IN OUR CHARGE 6024 ARE A BUDGET UPDATE TO THE ORIGINAL PALLET OPTION THAT HAS BEEN PENDING APPROVAL SINCE OUR APRIL BUDGET SUBMISSION. FUNDS REQUESTED IN CHARGE 6024 FOR FY 75 AND OUT YEARS ARE IN ADDITION TO APPROVED PROGRAM DIRECTION FOR HEXAGON. FUNDS ARE NOT AVAILABLE WITHIN THE HEXAGON PROGRAM TO FINANCE PALLET DEVELOPMENT.

E-2 IMPDET

~~TOP SECRET~~

BT

NNNN 141836

~~TOP SECRET~~
Handle Via BYEMAN
CHANNELS ONLY