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DIRECTOR OF DEFENSE RESEARCH AND ENGINEERING
WASHINGTON, D. C. 20304



22 NOV 1966

MEMORANDUM FOR THE DIRECTOR, DRO

SUBJECT: Special Support Activities RDT&E FY 1968 Budget

I have reviewed the RDT&E funding associated with Special Support Activities with members of my staff. In the area of aircraft support I agree with the budgeted amounts with reservations concerning continuation of the OXCART and TAGECARD Programs as presently defined. However these are not major components of the RDT&E funding.

The RDT&E associated with satellite support causes me some concern. I believe that the funding should be reduced by \$25M since there seems to be no identified requirement for a Direct-Readout capability. In fact my personal viewpoint is that the time differential between the planned Direct-Readout and capsule recovery for crisis management under present world circumstances does not support investment in the system.

I would much rather have emphasis placed on an all weather capability and in advanced development for overhead SIGINT. I am very pleased with steps that have been taken to improve our total "systems" approach in handling overhead SIGINT matters. I hope that this increased emphasis will continue. I believe that it is appropriate that similar attention be placed on the area of radar surveillance. This area seems to me to be the next most important area. Evaluation should be made of IR systems as well.

In view of the above considerations I believe at the present time that the FY 1968 budget figure can be \$243.5M and that task emphasis within this figure, such as I have outlined, can be readily accomplished. I recognize that there is an ambiguity in defining RDT&E, Procurement and Investment funds within the total program and I am confident you will utilize your best judgement in their definition.

John B. Foster, Jr.
John B. Foster, Jr.

cc: Mr. Vance

Series A Copy 3~~CONFIDENTIAL~~~~TOP SECRET~~~~OXCART~~~~TAGECARD~~

611-22-004

HANDLE VIA BYEMAN
CONTROL SYSTEM ONLY

BYE-5000-50

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~~Control System~~

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 Control System

6279
 Plans + P-Program

7 3 47

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INT MIC

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21

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CHARGE 929

~~TOP SECRET~~ 270022Z CITE UNIC 9267

EMERGENCY CHARGE

REASON SECURE.

REF: CHARGE 3347, NORTH 2750

FOR [REDACTED] FROM [REDACTED]

YOUR PREVIOUS REQUEST FOR \$1.2M FOR A THREE-PHASE PERKIN-ELMER
 GRINDING AND POLISHING PROGRAM (NORTH 2750) WHICH WAS APPROVED,
 NOW APPEARS TO HAVE BEEN EITHER PRECIPITATE IN CERTAIN RESPECTS, OR
 INDICATES INCOMPLETE REVIEW AT THE TIME. IN VIEW OF THIS, THERE ARE
 SEVERAL AREAS THAT ARE OF CONCERN IN YOUR REQUEST FOR ADDITIONAL FUNDS
 (CHARGE 3347). CONSIDER BECKER HAS BRIEFED ME ON HIS UNDERSTANDING
 OF THE RATIONALE FOR THE GRINDING OF ADDITIONAL BLADES, THE PURCHASE
 OF A 20 FOOT MACHINE AND THE NEED FOR ADDITIONAL TEST EQUIPMENT.

THERE ARE STILL SEVERAL AREAS OF THIS REQUEST THAT REQUIRE SPECIAL
 ATTENTION, BEFORE NEGOTIATIONS ARE COMPLETED. THE NECESSITY TO DOUBLE
 THE FACILITY SPACE FROM 10,000 SQUARE FEET TO 20,000 SQUARE FEET IS
 QUESTIONED. ANOTHER AREA OF CONCERN IS THAT IT APPEARS THAT A PORTION
 OF THE COSTS FOR THE FACILITIES, I.E., AIR CONDITIONING ETC., MAY BE
 A DUPLICATION OF COSTS COVERED UNDER THE AGENCY PORTION OF THE
 VERNON PROGRAM. STILL ANOTHER ASPECT IS THE RATIONALE BEHIND A
 PHYSICAL SEPARATION BETWEEN SP AND AGENCY FACILITIES, WHICH MUST
 INVOLVE ADDED COSTS. REQUEST THESE BE ADDRESSED IN A MESSAGE
 TO BE FOR DISCUSSION WITH MR. FLAX.

APPROVAL TO UTILIZE UP TO \$500K FROM THE OPTICAL TECHNOLOGY LINE
 OF THE APPLIED RESEARCH/ADVANCE TECHNOLOGY APPROVED PROGRAM, IS
 GRANTED, IN ORDER NOT TO HOLD UP URGENT ACTIONS. PROVIDED THAT
 ACTION IS INITIATED TO INSURE THAT THE ITEMS MENTIONED IN PARAGRAPH
 TWO ARE FULLY CONSIDERED DURING THE NEGOTIATIONS FOR PHASE III OF
 THIS PROGRAM.

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EXCISE 9 JUL 7 52

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GUARD 443

~~SECRET~~ 003332 CITE CHARGE 3885

THIC
DAMBIT/DORIAN/HEXAGON
REF WHIG 5967
FOR [] FROM []

1. MY ORIGINAL REQUEST FOR APPROVAL (CHARGE 2750) AS CLEARLY IN ERROR IN NOT STATING THAT THE PLANS WERE NOT YET FIRM AND THAT THE COSTS WERE HIGH. ORDINARILY WE WOULD HAVE WAITED FOR FIRM INFORMATION BEFORE TABLING THE REQUEST; HOWEVER WE WERE ANXIOUS TO PROCEED AS RAPIDLY AS POSSIBLE TO ACQUIRE THE SECOND GRINDING SOURCE. WE WILL GIVE ATTENTION TO PREVENTING REPETITION OF SUCH OMISSIONS.

2. WITH RESPECT TO THE AREAS OF SPECIAL CONCERN OUTLINED IN REF MSG:
A. LOCATION. THE HEXAGON GRINDING FACILITY, USING SMALL EIGHT FT MACHINES, IS PRESENTLY LOCATED ABOUT ONE FOURTH MILE FROM THE MAIN HEXAGON FACILITY. SINCE THERE WAS NO ROOM TO LOCATE THE SP WORK ADJACENT TO THE HEXAGON GRINDING FACILITY, WE CHOSE TO LOCATE NEXT TO THE MAIN FACILITY.

B. SEPARATE FACILITIES. AT THE TIME OF OUR ORIGINAL APPROACH TO P-E, THE CIA RAISED OBJECTIONS OF POSSIBLE INTERFERENCE BETWEEN SP WORK AND HEXAGON. THE PROVISION OF A SEPARATE FACILITY FOR THE SP WORK WAS ONE OF THE MAIN FACTORS LEADING TO A CIA-SP AGREEMENT THAT THERE WOULD BE NO INTERFERENCE. THIS AGREEMENT IS ENTIRELY CONSISTENT WITH CIA AND SP PRACTISE ON OTHER COVERT PROJECTS, WHERE WORK IS SEGREGATED INTO PROJECT FACILITIES, ACCESS TO WHICH IS GRANTED ON A STRICT NEED TO KNOW BASIS.

C. EXPANSION OF FACILITIES. CHARGE 2750 WAS BASED ON INITIAL PLANS FOR THE CONTRACTOR TO USE SIXTEEN FT. CFE MACHINES. SUBSEQUENTLY WE FOUND A TWENTY-FIVE FT. CFE GRINDER AND A TWENTY-NINE FOOT CFE POLISHER WHICH WILL IMPROVE THE PROBABILITY OF OBTAINING THE DESIRED QUALITY OF FINISHED MIRRORS. THE PLAN TO USE THESE LARGER MACHINES IS NOW FIRM, AND INCREASED FACILITY SPACE IS REQUIRED.

D. UTILITIES. ALL UTILITIES EXCEPT AIR CONDITIONING WILL BE SHARED WITH THE AGENCY FACILITY. CHARGE 3547 CONTEMPLATED SEPARATE AIR CONDITIONING FOR THE SP FACILITY. WE HAVE NOW DIRECTED P-E TO INVESTIGATE THE POSSIBILITY OF SHARING AIR CONDITIONING WITH THE AGENCY FACILITY, AND TO GIVE US A REPORT BEFORE CONTRACT NEGOTIATIONS START.

3. WE HAVE ISSUED A CCN, AND WILL FULLY CONSIDER THE ITEMS IN PAR 2 DURING NEGOTIATIONS.

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PRIORITY
CORONA/CANBIT/HEXAGON/SONIAN/SCART/IDEALIST
REF: 9275

THE FOLLOWING FISCAL YEAR PROGRAM SCHEDULE IS A BEST
GUESS ESTIMATE AT THIS TIME:

	67	68	69	70	71
CORONA	70	70	9	4	0
CANBIT	11	0	0	0	0
CANBIT J	1	12	70	9	9
HEXAGON	0	0	7	5	9
SONIAN	0	0	0	2	4
IDEALIST	20	24	30	34	30
SCART	0	0	0	0	0

- NOTES-A. IN LATE 1969, CORONA J-3 WILL PROBABLY EMPLOY
120 FT FILM AT AN INCREASE IN TOTAL FILM CARRYING
CAPABILITY OF 30 PER CENT.
- B. AFTER 6-3 22ND VEHICLE, PLANS CALL FOR TWO
RECOVERY SYSTEMS PER LAUNCH WHICH WILL
APPROX 50% PRESENT FILM LOAD.
- C. HEXAGON CHARACTERISTICS NOT YET KNOWN HOWEVER
ESTIMATE 120,000 FT OF FILM PER EACH OF TWO
CAMERAS, WITH FOUR SEPARATE RECOVERY SETS.
- D. REAL TIME RECOVERY DEVELOPMENTS ARE CURRENTLY
NOT SYSTEM-ORIENTED, THEREFORE NO ESTIMATES
SHOULD BE MADE ON THIS BASIS.

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Plans - Programs
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IMMEDIATE WHIC
CORONA GAMBIT HEXAGON DORIAN OXCART IDEALIST/TACHLE
FOR COL. WORTHMAN FROM SCHEUFLE

1. [] IS IN THE PROCESS OF DEVELOPING BUDGET ESTIMATES FOR THE PERIOD 1967-73. IT IS IMPERATIVE THAT WE RECEIVE FROM WHIC ASAP HOPEFULLY BY COB 9 DEC 1966 (PER TELECON COL. WORTHMAN/SCHEUFLE) BEST GUESS ESTIMATES REGARDING THE NUMBER OF SUCCESSFUL SATELLITE AND AIRCRAFT MISSIONS (BY TYPE) WHICH WILL BE RECEIVED AND COLLECTED EACH YEAR. ALSO REQUEST THE AVERAGE AMOUNT OF OPERATIONAL FILM (TOTAL LESS ENGINEERING AND DOMESTIC) WHICH EACH TYPE OF MISSION WILL PROVIDE FROM THE PRIMARY CAMERA SYSTEM. THE EFFECT OF LONGER VEHICLE LIFE AND UFB SHOULD BE INCLUDED.

2. REQUEST CONSIDERATION BE GIVEN TO NEW SYSTEMS WHICH HAVE NOT YET FULLY MATERIALIZED SUCH REAL TIME READOUT.

3. WE REGRET SHORT DEADLINE, BUT THESE INPUTS ARE CRITICAL TO THE DEVELOPMENT OF REALISTIC WORKLOAD AND MANPOWER UTILIZATION PROJECTIONS. YOUR COOPERATION IN THIS PLANNING EXERCISE WILL BE GREATLY APPRECIATED.

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