

*Gen King*

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██████████ 1037 ----- 18 June 1969

IMMEDIATE CHARGE

SECTION ONE OF TWO

DORIAN/HEXAGON SECURE.

EYES ONLY GEN MARTIN AND GEN BLEYMAIER FROM DR. MCLUCAS.

1. General:

A. Reference is made to Mr. Packard's June 9 Memorandum that directed termination of the MOL Program. This message pertains to the SAFSP/SAFSL-1 actions related to DORIAN Camera System continuation; and near-term SAFSP Studies and plans for possible future use of the DORIAN Camera System in the Unmanned Satellite.

B. There appears to be some confusion re the use of the word "optimized" in the first sentence of Mr. Packard's Memo. This was intended only to convey, in a broad sense, a system significantly lighter and less costly than the previously-planned unmanned MOL configuration. The typical unmanned system considered in Washington the past few months has been the HEXAGON SCS/DORIAN Camera System configuration as described in earlier SAFSP/LMSC Studies.

C. From both a security standpoint and so that MOL termination may proceed quickly and most economically, it is important that essential continuing DORIAN Camera System tasks be identified and necessary contractual actions taken by SAFSP and SAFSL-1 as soon as possible.

See Sections II and III.

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D. In addition, between now and an August meeting of the NRP EXCOM, SAFSP must review and up-date the earlier HEXAGON/DORIAN LMSC Studies; conduct preliminary analyses of other reasonable unmanned system configuration; analyze their relationships to other satellite programs; and prepare appropriate alternative activity plans for the remainder of FY 70. SAFSL-1 will support SAFSP in these activities as requested.

E. In view of future tenure considerations, Gen King should head up an SAFSP/SAFSL-1 team effort to identify those DORIAN camera systems that will be continued, and also SAFSP preparation of studies and plans for the August EXCOM meeting. See Sections II, III, VI, and VII.

II. SAFSP/SAFSL-1 contracting actions:

A. SAFSP is responsible for determining the camera system tasks at EK and GE that will be continued: the level of effort; new contractual arrangements, etc. As guidance for these judgments, the general belief here is that an unmanned system development will not be initiated before FY 1971. However, SAFSP is cautioned to protect, at least until my review for the August EXCOM meeting, a possible development start of the LMSC-studied HEXAGON/DORIAN configuration as early as mid-FY 1970.

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B. Additionally, SAFSP should identify any of the MOL termination inventory not covered by initial SAFSP contracts to be reserved for possible unmanned satellite reconnaissance system application and provide SAFSL-1 appropriate disposition instructions.

C. To minimize termination workload and cost to the government, wherever possible, complete work packages as described in the MOL EK and GE contract task and subtask work statements should be assumed by SAFSP, where such tasks or subtasks are somewhat beyond the minimum effort desired for the long term, they may be amended by SAFSP early in FY 1970.

D. All continuing DORIAN camera system work will be covered by new SAFSP contracts issued in appropriate coordination with SAFSL-1 terminating actions. All SAFSL-1 GE and EK contracts are to be terminated completely simultaneous with issuance of the SAFSP contracts. All MOL contract termination, including the accounting of termination costs, is the responsibility of SAFSL-1.

E. The letting of new contracts by SAFSP and simultaneous termination of MOL EK and GE contracts by SAFSL-1 should be accomplished, if possible, before June 30.

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### III. FUNDING:

A. If SAFSP contracts are let before the end of this month, presently available MOL obligating authority will be used to cover EK/GE expenditures/fees in June only.

B. \$15 million from MOL FY 1970 new obligating authority will be made available to SAFSP on July 1 to cover EK/GE SAFSP contract costs through at least Aug 31.

C. Approximately \$60 million will be budgeted in SAFSP FY 70 line items to continue camera system development, fund studies, etc. From Sep 1 through the end - FY 1970. Should an unmanned system development be started in FY 70, appropriate other funding arrangements will be made.

### IV. SECURITY:

A. The follow-on SAFSP camera system activity will be covered under a numbered study in the BYEMAN system, for which SAFSP will be the sole field clearance activity. The present DORIAN clearance will remain in effect for all DORIAN activity not transferred to SAFSP and will remain in force until the DORIAN close-out actions are completed.

B. Special attention must be given to the DORIAN phase down at EKC.

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While it is desired to reduce the number of people on contract at EKC as quickly as possible, this must be done in an orderly fashion consistent with good security practices to avoid any EK-MOL association.

V. PERSONNEL:

A. SAFSP will identify those SAFSL-1 military and AF civilian personnel to be transferred to SAFSP to carry on the camera system work referred to herein. A joint SAFSP/SAFSL-1 plan which identifies the individuals affected, the manpower authorizations to be transferred, and a recommended time-phasing consistent with the security environment, should be prepared and submitted to me ASAP.

B. Per SAFSP recommendation, twelve aerospace MTS will be withdrawn from the previously-approved SAFSL MTS budget and added to the previously-approved SAFSP MTS budget simultaneous with the issuance of new contracts by SAFSP. Any additional aerospace MTS support required by SAFSP immediately in FY 1970 should be identified before July 1.

VI. AUGUST PRESENTATION TO EXCOM:

A. SAFSP must be prepared to present the following to the NRP EXCOM in August:

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1. A brief status report of DORIAN camera system effort still under way and disposition of other pertinent camera system items.

✓ 2. An updated version of the earlier LMSC/SAFSP studies on the HEXAGON/DORIAN configuration, including performance and operational characteristics; and schedule and cost data valid for a possible system.

3. Other possible spacecraft/DORIAN camera system configurations in reasonable detail. In this regard, spacecraft completion should be discussed.

✓ 4. The relationship of the HEXAGON/DORIAN and alternative spacecraft/DORIAN configurations to other satellite programs.

✓ 5. Possible desirable modifications to the DORIAN camera system to enhance unmanned operation in reasonable detail.

6. Assuming no new system start before FY 1971, SAFSP's recommended plan of in-house and contractor activity, including financial and government/Aerospace manpower particulars, for the remainder of FY 1970.

B. An interim report on SAFSP progress should be presented to me NLT mid-July.

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VII. MISCELLANEOUS:

A. The McDonnell-Douglas subcontract with IBM for the MOL computer is on a stopwork status to permit NASA to review flight crew-related aspects such as the displays and printers, and SAFSP to review the need to continue development toward an unmanned DORIAN application. SAFSP should determine by June 24 whether this effort will be continued via an SAFSP contract and advise SAFSL-1 so that MOL termination action can be taken then or at an appropriate later date.

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