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File - OC IV



24 MAY 1968

MEMORANDUM FOR RECORD

SUBJECT: Development of Master Photo Chip and ACIC Support of
the MOL Program

A meeting between representatives of the MOL Program Office,
MOL Systems Office and ACIC was held in Los Angeles, 16 and 17 May
to discuss the Master Photo Chip (MPC) and other ACIC support of
the MOL Program.

ACIC reviewed the format they have developed for the MPC
and showed samples which have been prepared for several installa-
tions contained in the DORIAN target model. Once ACIC receives
authority to begin production and is given a list of installa-
tions for which MPC's are required, it is estimated that chips
can be made in 6 to 8 months using existing manual chip producing
methods. The time consuming effort of relating the MPC grid to
the WCS can be accomplished later, but in the interim the MPC's
will be available for identification of DORIAN targets. Equip-
ment requirements for the MPC production include procurement of
a chip printer and modifications to a chip processor. This
equipment will be required in about 3 months and will require the
SPO to provide approximately \$70,000.

ACIC also reviewed their concept for producing on-orbit cues
from the MPC. Currently Aerospace and the SPO are studying
several areas associated with cue ordering sequence on the 16mm
film such as access times, target density, multiple aiming points
on the same cue, and alpha-numeric descriptions. There is a lack
of information about the Visual Display Projector since the G.E.
subcontract for this item has been in limbo since last December
because of funding problems. It was evident that considerable
coordination between the SPO and ACIC will be needed during the
development of a cueing concept.

General equipment requirements have been defined by ACIC.
These include 70mm printers and processors, cue printers and
editors, and cassette loaders. ACIC is prepared to define de-
tailed technical specifications, but the SPO will have to develop
contracting and funding procedures.

As a result of the two days of discussions it was obvious
that many aspects of the relationship between the SPO and ACIC
need to be better defined and coordinated. SPO representatives

DORIAN

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made many references to ACIC support (e.g. simulator stimulus material, including flight crew handbooks on the cue cassettes) which appeared to come as a complete surprise to the ACIC representatives. Considering the current problems which AFMIN has encountered in obtaining an increase in manpower authorization at ACIC for the MPC effort, any significant additional requirements for ACIC support should be identified as soon as possible. The SPO should provide ACIC a comprehensive outline of all support now anticipated to insure that ACIC has identified the necessary resources.

The Test Operations Directorate had not yet been informed of General Stewart's recent memorandum to General Eleymaier which requested that a single SPO project officer be designated for the MPC related efforts. Lt Colonel O'Toole agreed that this should be done, but was awaiting direction from General Eleymaier. Lt Colonel O'Toole was not aware of the requirements for a presentation on the MPC concept at the next PRC, and no preparations are being made.

SIGNED
DANIEL L. LYCAN
Lt Colonel, USA
Operations Div

cc: Colonel Battle
Colonel Sweeney

Lt Col Lycan/55674/SAFSLO/22May68/ams

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