

CENTER ROUTING SLIP

Approved For Release 2004/03/26 : CIA-RDP78B05703A000200030021-8

FROM		DATE	
<i>[Signature]</i>		9/10	
TO	INITIALS	DATE	REMARKS
DIRECTOR	3	9/10	Rec. approval.
DEP/DIRECTOR	2	9/11	
EXEC/DIRECTOR		9/15	
SPECIAL ASST	1	9/9	
ASST TO DIR			<p>Two points -</p> <p>(1) TSG telephonically reviewed notice of this situation on 4 Sept, with paper work coming in next day. [redacted] mgt. has stated that they need a decision on this request by COB Friday 11 Sept.</p> <p>(2) Related info - a change in scope proposed [redacted] will be forthcoming from [redacted] in next few days. Does not affect this particular action.</p>
HISTORIAN			
CH/PPBS			
DEP CH/PPBS			
EO/PPBS			
CH/IEG			
DEP CH/IEG			
EO/IEG			
CH/PSG			
DEP CH/PSG			
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DEP CH/TSSG			
EO/TSSG			
CH/SSD/TSSG			
PERSONNEL			
LOGISTICS			
TRAINING			
RECORDS MGT			
SECURITY			
FINANCE			
DIR/IAS/DDI			
CH/DIAXX-4			
CH/DIAAP-9			
CH/SPAA			

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[REDACTED]

10 SEP 1970

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Copy No. 2

MEMORANDUM FOR: Director, National Photographic Interpretation Center

SUBJECT : Request for Approval of [REDACTED] from R&D
Funds for an Overrun to [REDACTED]
Task 10, with the [REDACTED]
[REDACTED]

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1. This memorandum requests approval for the commitment of additional funds for an existing contract. The specific request is stated in Paragraph 8.

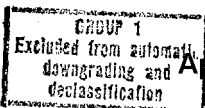
2. NPIC currently has a cost-plus-fixed-fee contract with [REDACTED] to fabricate a Target Indexing Device (TID) and an Electronic Screening Breadboard (ESB). This effort currently totals [REDACTED]. This equipment will provide NPIC with the capability of rapidly and automatically scanning [REDACTED] film to specify those targets that are cloud covered or cloud free. Furthermore, when operating in the general analysis mode, the equipment will permit an accurate determination of the percent of cloud cover of an area on a frame-by-frame basis.

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3. The fabrication of the TID was made possible by previous NPIC research efforts in developing optical diffraction pattern technology. The diffraction patterns of images of clouds are very distinctive from the diffraction patterns of nonclouded land areas, and it is upon these differences that the TID operates to distinguish cloud-covered targets from clear targets.

4. The Electronic Screening Breadboard uses a solid-state linear array of photo-transistors to derive electrical signals from light transmitted through the film. After processing, these signals provide the Clue Extractor Elements with image density and density gradient data for computing clues to determine the presence or absence of clouds, target signatures, etc. As such the ESB will not only serve as a technical back-up on the optical system (TID) but will

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SUBJECT: Request for Approval of [] from R&D Funds
for an Overrun to Contract []
with the []

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provide a future capability to investigate the implementation of other automatic target recognition functions.

5. The subject overrun is due to increases in the cost of materials over those initially programmed. This was the direct result of the Clue Former in the TID being far more complex than originally estimated, thereby resulting in an overall material cost increase of about []. In addition, G&A (after disallowance) is estimated to be overrun by about []. However, during the course of the contract, labor costs, travel, and computer usage were underrun by about []-leaving an actual deficit of []

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Although the overage in material cost had been known for some time there was a consistent underrun in travel, computer usage, and labor. The contractor had until very recently felt that this would offset the increased material cost. It was only after the detailed accounting of the week ending 4 September that it was apparent that there would be an actual overrun.

6. The fabrication of the TID is virtually complete with preliminary acceptance tests scheduled for the week of 14-18 September. The ESB, which is the other deliverable hardware under this contract, is currently scheduled for demonstration by 1 November. In view of the Center's needs and the advanced stages of development and fabrication of both pieces of hardware, it appears to the government's advantage to complete both the TID and the ESB.

7. The Project Officer for this contract is []. The contract association is SECRET, the Title UNCLASSIFIED, and the work SECRET.

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8. In view of the progress to date and the urgent Center requirement for the TID your approval is requested for the authorization of [] from past year R&D funds.

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Chief, Technical Services Group, NPIC

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SUBJECT: Request for Approval of [redacted] from R&D Funds
for an Overrun to Contract [redacted]

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Attachments:

1. Proposal
2. Form 2420

APPROVED:

[redacted]

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10 SEP 1970

ARTHUR C. LUNDAHL

Date

Director

National Photographic Interpretation Center

Distribution:

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