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NPIC/P&DS/D/6-736  
20 January 1966

**MEMORANDUM FOR:** Director, National Photographic Interpretation Center

**SUBJECT:** Research and Development Project Approval Request for Overrun on P.I. Performance and Techniques Study

**REFERENCE:** Chief, Administrative Staff, O/IDL, Memorandum dated 4 February 1964: Approval of Research and Development Activities

1. In accordance with permission of the Executive Director, NPIC, the attached R&D Catalog Form is forwarded for approval prior to referral to the TIB, since the overrun costs less than twenty per cent of the original contract price. Concurrence for this action has been obtained through verbal conversations between [redacted] on 19 January 1966.

2. In accordance with the authority delegated in paragraph 3. of the reference, it is requested that the overrun for the PI Performance and Techniques Study be approved. The estimated cost of this overrun is [redacted] and is to be charged against FY-64 funds.

[redacted]

NGA review(s) completed.

Colonel, USAF  
Assistant for Plans and Development, NPIC

[redacted]

24 JAN 1966

ARTHUR C. LINDAHL  
Director, NPIC

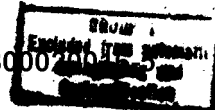
Date

Attachment: R&D Catalog Form

Distribution:

- Orig & 2 - NPIC/SS/LB
- 1 - NPIC/CLA/LAD
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Approved For Release 2006/02/07 : CIA-RDP78B04770A001800020016-5

R & D CATALOG FORM

REVISED # 9875 1-4  
DATE 18 January 1966

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1. PROJECT TITLE/CODE NAME P.I. Performance and Techniques Study (Overrun)	2. SHORT PROJECT DESCRIPTION This project is designed to acquire objective measurements of photo-interpreter performance as they are related to image variables and to interpretation procedures.
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3. CONTRACTOR NAME	4. LOCATION OF CONTRACTOR
[Redacted]	[Redacted]

5. CLASS OF CONTRACTOR Manufacturer	6. TYPE OF CONTRACT CPFF
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7. FUNDS FY 19 65	8. REQUISITION NO. N/A	9. BUDGET PROJECT NO. NP-HF-1 (Former NP-S-28)
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10. EFFECTIVE CONTRACT DATE (Begin - end) Time period to be funded by FY-1965 overrun funds. 25 March 1966 - June 1966	11. SECURITY CLASS. A. A. - Confidential T. - Unclassified W. - Top Secret
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12. RESPONSIBLE DIRECTORATE/OFFICE/PROJECT OFFICER TELEPHONE EXTENSION DDI/NPIC/P&DS/ [Redacted]
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13. REQUIREMENT/AUTHORITY R&D project request dated 18 May 1964, approved by DDCI 1 June 1964. This is a joint NPIC/DDS&T R&D program.
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14. TYPE OF WORK TO BE DONE Applied Research
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15. CATEGORIES OF EFFORT
MAJOR CATEGORY Human Factors
SUB-CATEGORIES

16. END ITEM OR SERVICES FROM THIS CONTRACT/IMPROVEMENT OVER CURRENT SYSTEM, EQUIPMENT, ETC. Monthly and final reports.
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17. SUPPORTING OR RELATED CONTRACTS (Agency & Other)/COORDINATION CIA/NPIC is currently performing a project which has as its objective the correlation of P.I. performance as related to different ground resolution on photography. This data will be used in the proposed project. DOD has sponsored related projects in the past but with inconclusive results. All pertinent (Contd)
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18. DESCRIPTION OF INTELLIGENCE REQUIREMENT AND DETAILED TECHNICAL DESCRIPTION OF PROJECT (Continue on additional page if required) The photo interpreter is the key element in the reconnaissance exploitation system. Yet he remains the most unknown factor in that system. There are techniques for quantitatively evaluating the hardware and techniques of exploitation but human performance is difficult to account for objectively. In order to refine the total exploitation process, it is necessary to account for, predict, and enhance the photo interpreter's performance.
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19. APPROVED BY AND DATE
OFFICE
DEPUTY DIRECTOR
DDCI

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Excluded from automatic downgrading and declassification

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R&D CATALOG FORM Continued...

NP-HF-1

17. agencies are aware of our efforts in this project.

18. The interpreter deals with many variables in his input data. It is the interrelationship of the interpreter with these variables that must be quantitatively evaluated. Among the image variables under consideration are: contrast and brightness, granularity, sun altitude and azimuth, obliquity, scene change detection, color, season, terrain, environment, along with unconventional images such as infrared and radar. Also to be studied are procedural variables such as viewing time, scale, the equipment used, and the collateral information available.

In letter MW-M-1313, dated 14 December 1965 (copies of which are available in P&DS) the contractor itemized the labor and materials required to conclude the tasks planned under the existing contract. NPIC's working relationship with [redacted] on this contract has been very informal. Since we twice diverted [redacted] from their planned goals in order to accomplish unscheduled, but essential, short-time-period tasks, it seems proper to grant them the funds needed to complete the work currently in progress.

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	TO	INITIALS	DATE	REMARKS
DIR				
DEP/DIR				
EXEC/DIR				
TECH ADV		<i>JML</i>		
ASST FOR ADMIN				
CH/SS				
CH/MSS				
ASST FOR OPS				
ASST FOR PA				
ASST FOR P&D		✓		
CH/CSD				
CH/IPD				
CH/PD				
CH/PSD				
CH/TID				
CH/CIA/PID				
CH/DIA/XX-4				
CH/DIA/AP-IP				
CH/SPAD				
LO/CGS/CIA				
LO/NSA				

*If you need help from me on this please call -*

987114

December 14, 1965  
MW-M-1313

Dear Joe:

Subject: Photointerpreter Response Research  
Contract  Task No. 1

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Reference: Our letter MW-M-1123 dated 28 May 1965

It is anticipated that presently remaining funds on the subject task will carry us to March 25, 1966, while effort will continue through June, 1966.

In the above reference we informed you that (1) our initial project goals were changed by the customer; (2) we started working on the initially planned goals in early 1965; (3) consequently our expenditures might be different than initially anticipated; and (4) that we believed to have sufficient funds to carry us through the contract period which ends late June, 1966.

Our estimate for completing this task is attached. Will you take the necessary action to obtain additional funding?

Regards,

Charlie

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Enclosures

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IDEA-2000  
Copy 5 of 6

Task Order No. 1  
Contract [redacted]

30 JUN 1964

[redacted]

Gentlemen:

1. In accordance with the provisions of Contract No. [redacted] and effective upon your acceptance hereof, you are authorized to proceed with the performance of Task Order No. 1 to said contract.

2. The scope of work to be performed under this Task Order and such additional provisions as may be applicable are set forth in the attached schedule.

3. ESTIMATED COST AND FIXED-FEE:

a. The estimated cost of the performance of this Task Order, exclusive of the fixed-fee, is [redacted] Cost in excess of this amount shall not be incurred without the prior written authorization of the Contracting Officer.

b. The fixed-fee for the performance of this Task Order shall be [redacted]

4. The period of performance of this Task Order shall expire on 30 June 1966; however, said period of performance may be extended by mutual agreement.

5. Upon execution of all copies of this Task Order No. 1 please return the original and one copy to the undersigned and retain the remaining copy for your files.

Very truly yours,  
SIGNED

[redacted]

Contracting Officer

ACKNOWLEDGED AND ACCEPTED

[redacted]

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SCHEDULE

1. The Contractor shall conduct a study of P.I. Performance in accordance with its Alternative Proposal No. 3, Ref. MW-N-9, dated 7 April 1964. Said proposal is on file with the Contractor and the Contracting Officer and is incorporated into this Task Order by reference.

2. Anticipatory Costs. All costs which have been incurred by the Contractor on or after 23 June 1964 in anticipation of and prior to the signing of this Task Order No. 1 and which if incurred after the signing of this Task Order would have been considered as allowable costs hereunder will be accepted as costs under this Task Order.

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