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Approved For Release 2003/01/28 : CIA-RDP78B04770A002600100002-2

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R&D Three copies for NPIC

Study: Plotter marking system for 1
inhouse High Speed Precision
Coordinatograph in accordance with
proposal Dated 12 Nov. 1965.

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Project approved by D/NPIC
on 15 Feb. 1966

Declass Review by
NIMA/DOD

17 FEB 1966

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TO:		DATE
ROOM NO.		BUILDING
REMARKS:		
FROM:		
ROOM NO.	BUILDING	EXTENSION

PS DS

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SECRET

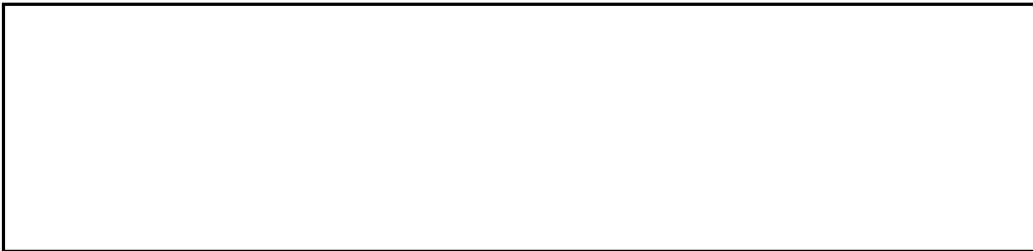
7 February 1966

MEMORANDUM FOR: Director, National Photographic Interpretation Center

SUBJECT: Research and Development Project Approval Request for a Plotter Marking System

REFERENCE: Chief, Administrative Staff, O/DXI, Memorandum Dated 4 February 1966: Approval of Research and Development Activities

In accordance with the authority delegated in Paragraph 3. of the reference, it is requested that the Plotter Marking System as outlined in the attachment be approved. The estimated cost of this project is



APPROVED

ARTHUR C. LUNDAEL
Director, NPIC

Date

Attachment: R&D Catalog Form

Distribution

Orig & 2 - SS/LB/NPIC
1 - PAIS

*Reg'n 5500-854666
2/17/66*

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(When Filled In)

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R & D CATALOG FORM

28 December 1965

1. PROJECT TITLE/CODE NAME Plotter Marking System	2. SHORT PROJECT DESCRIPTION Improved marking system for the High-speed Precision Coordinatograph.
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[Redacted]	
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5. CLASS OF CONTRACTOR Manufacturer	6. TYPE OF CONTRACT Time and Materials
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7. FUNDS FY 19 \$	8. REQUISITION NO.	9. BUDGET PROJECT NO. NP-IO-11
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FY 1966 \$ [Redacted]	10. EFFECTIVE CONTRACT DATE (Begin - end) January 1966 - April 1966	11. SECURITY CLASS. AA-Confidential T-Unclassified W-Unclassified
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12. RESPONSIBLE DIRECTORATE/OFFICE/PROJECT OFFICER TELEPHONE EXTENSION DDI/NPIC/P&DS/[Redacted]
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13. REQUIREMENT/AUTHORITY The High-speed Precision Coordinatograph manufactured by [Redacted] under [Redacted] and installed at NPIC in July 1965 requires a more positive marking system than that supplied with the instrument.
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14. TYPE OF WORK TO BE DONE Study effort.
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15. CATEGORIES OF EFFORT	
MAJOR CATEGORY Immediate Operational Modifications	SUB-CATEGORIES Marking Systems Pens Inks Electrographic

16. END ITEM OR SERVICES FROM THIS CONTRACT/IMPROVEMENT OVER CURRENT SYSTEM, EQUIPMENT, ETC. A report on the best marking system applicable to the existing instrument and meeting NPIC requirements together with design recommendations.

17. SUPPORTING OR RELATED CONTRACTS (Agency & Other)/COORDINATION Coordination has been effected with IPD and PD. Contract [Redacted] provided the High-speed Precision Coordinatograph.

18. DESCRIPTION OF INTELLIGENCE REQUIREMENT AND DETAILED TECHNICAL DESCRIPTION OF PROJECT (Continue on additional page if required) The existing marking system on the High-speed Precision Coordinatograph (plotter) is operationally unsatisfactory. The ink currently in use is a slow drying type such as used in oscillograph recorders. This type is necessary to allow free-flowing, non-clogging operation. However, the drying properties make the plot unusable for immediate handling. In addition, the free-flow characteristics of the ink causes frequent spattering in the dotting and lettering modes. The pen now in use is an [Redacted] plotter.
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19. APPROVED BY AND DATE	OFFICE	DEPUTY DIRECTOR	DDCI
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18. Continued...

pen with a modified ink supply which allows a long plotting period.

The original plotter contract was fixed price at a cost of [] with a twelve month delivery schedule. Instead, delivery was made eighteen months after contract and cost the contractor approximately [] additional. In view of the delayed delivery, the additional costs incurred, internal pressure for use and lack of available manpower, it was decided to ship, install and test the plotter without an extended evaluation at the contractor's facility. The marking system, at the time of installation, performed satisfactorily and acceptance of the plotter was made. However, since that time, it has become evident that constant cleaning and manipulation of the marking system is necessary to keep it operational. If this could be performed on a routine basis (daily or oftener if required) the system would operate more satisfactorily. However, this would not solve the slow drying problem which restricts the intended use of the plotter.

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[] proposes to study all existing marking systems. They will then select and purchase components of those systems most applicable to the coordinatograph as it will be used by NPIC, breadboard the systems, evaluate the results, and select and report on the most promising system.

The effort is planned as a four month program and will be either a fixed price or time and materials contract. It is estimated to require approximately two man-months of senior engineering effort and approximately one man-month each of drafting, technician and machinist effort plus about [] of purchased materials.

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Please get up the

P4DS

JAN 15 2 20 PM '66

C-O-N-F-I-D-E-N-T-I-A-L
CLASSIFICATION

NPIC PROJECT NO.
P & D S
RESPONSIBLE COMPONENT

RECEIPT RE/OS

SUPPORT/SERVICE REQUIREMENT

DISSEMINATED RE/OS

(The following info is required when rqmts are levied by external organizations)

OFFICE _____ DATE OF RQMT _____ CONTROL NO. _____

NPIC DIV/DETACH PROCESSING RQMT _____ PROJ OFF _____ PHONE _____

SUPPORT REQUESTED OF _____ PRIORITY _____ DATE REQUIRED _____

(The following info is required when rqmts are levied for internal support)

DIV/STAFF P & D S _____ DATE OF RQMT 13 January 1966 _____ CONTROL NO. _____

SUPPORT REQUESTED OF P & D S, IPD _____ PROJ OFF 25X1

PRIORITY _____ DATE REQUIRED 15 November 1966

1. BACKGROUND INFORMATION:

The work requested is in support of a General Operation : Photo interpretation proj.;
Non-photo interpretation project. It will result in: Hard copy report;
Informal report (memo); X Basic service only.

Project Description: Plotter Marking System

2. SPECIFIC SUPPORT/SERVICE REQUESTED: Support from NPIC will probably consist of:
Photographic; Reproduction; Mensuration; Graphics; ADP; Editing;
X Other (explain below) -- (Include statement as to estimated amount of work required of support component(s); i.e., number of contact prints, enlargements, boards, etc.)

- Prepare R&D Catalog Form with coordinated support from IPD
- Solicit proposal & evaluate
- Recommend action
- Monitor contract
- Evaluate report
- Recommend follow-on effort of required
- Request IPD to aid in the evaluation of the study.

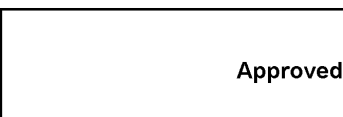
3. URGENCY JUSTIFICATION: (If immediate support is required a statement of justification must be made on this form.)

DATE OF COMPLETION

C-O-N-F-I-D-E-N-T-I-A-L
CLASSIFICATION

NPIC FM 218 (Revised 5-65)

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3 Jul 67		SEC. CL. S	ORIGIN AC/IFD	CONTROL NO. IPD-222-67	
DATE OF DOC	DATE REC'D 3 Jul 67	DATE OUT	SUSPENSE DATE	CROSS REFERENCE OR POINT OF FILING	
TO FROM SUBJ.	A/TD AC/IFD <div style="border: 1px solid black; width: 150px; height: 25px; margin-top: 5px;"></div>			ROUTING	DATE SENT
				EN	<i>MA</i>
				DS	
COURIER NO.	ANSWERED	NO REPLY			2

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