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SUBJECT		DISTRIBUTION INFO
LM MSG	DIGITIZER	

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Handle via [unclear]
Control System

TWX159/242150Z

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153 CONQUER 053

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FOR 0900
6-25-68

~~TOP SECRET~~ 242104Z JUN 68 CITE PROBE 0018-68

WHIG INFO MARGO [] CONQUER

SUBJ: [] DIGITIZER

REF (A) WHIG 7793 (171218Z JUN 68)

1. FOLLOWING INFO IS IN REPLY TO REF (A):

1. TARGETS:

- A. HEN EGG, KLXCHATKA PENINSULA AREA.
- B. HEN HOUSE, NORTH EAST BEAM FROM ANGARSK.
- C. ANADYRSKTY AREA (EAST OF LENA REIVER).

SURVEILLANCE BY SATELLITE IS THE ONLY WAY OF COVERING THIS AREA.

- D. EASTERN EXIT OF THE NORTHERN SEA ROUTE.

ELECTRONIC EQUIPMENT INSTALLED ON NEW CONSTRUCTION SHIPS IS OFTEN SEEN FOR THE FIRST TIME DURING THE NSR TRANSIT.

2. TOTAL COVERAGE AND COVERAGE TIME OVER THE [] TARGET AREA IS ABOUT 75 PERCENT WITH THE TWO APPROVED FIELD SITES. THE ADDITION OF [] WOULD PROVIDE VIRTUALLY 100 PERCENT COVERAGE OF THE [] TARGET AREA. ANALOG SYSTEM DATA SUFFERS FROM AMPLITUDE

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5600 NW

PAGE TWO PROBE 0018-68 ~~TOP SECRET~~

ASSOCIATED ERRORS ON SIGNALS RECEIVED FROM MAXIMUM RANGE WHILE USEABLE DATA IS PROVIDED WITH THE DIGITIZER UNDER THE SAME RANGE CONDITIONS.

3. LOSS OF [] WILL THROW THE RESPONSIBILITY FOR THE [] TARGET AREA ON THE PACIFIC SITES. [] WILL THEN BE REQUIRED TO CONTRIBUTE MORE COVERAGE TO THIS IMPORTANT TARGET AREA.

4. DUE TO THE URGENCY OF COLLECTION AGAINST THE NATIONAL PRIORITY [] TARGETS IT IS INCUMBENT ON US TO PROVIDE THE BEST SYSTEM AT THE EAR

UEST POSSIBLE TIME.

5. PROCESSING TIME IS REDUCED CONSIDERABLY AND THE ACCURACY INCREASED AT BOTH THE FIELD SITE AND AT NSA BY THE EMPLOYMENT OF THE FIELD DIGITIZING SYSTEM. IN POPPY 7106 THE [] TO BE EMPLOYED CAN ONLY BE FULLY EXPLOITED BY THE IMPRTE FACILITIES PROVIDED WITH THE FIELD DIGITIZING SYSTEM. ALSO AN INCREASE IN OBSERVATION ACCURACY BY [] OF AT LEAST [] CAN BE EXPECTED WITH THE FIELD DIGITAL CONVERSION.

6. ADDITIONAL SUPPORT REQUIRED:

- A. CONSUMABLES: RECORDING TAPE (NSA SUPPLIED),

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TELETYPE AND PRINTER PAPER

B. PERSONNEL: OPERATIONS; APPROXIMATELY FIVE (ALREADY PROGRAMMED IN CCP). MAINTENANCE; TWO (ALREADY PROGRAMMED IN CCP). CONTRACT, NRLKM CONTRACT REPRESENTATIVE ON SITE.

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Handle via [redacted]
Control System

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[redacted] 102 CONQUER 045

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~~TOP SECRET~~ 171218Z JUN 68 CITE WHIG 7793

PROBE INFO MARGO [redacted] CONQUER

SUBJECT: ADDITIONAL INFORMATION REGARDING JUSTIFICATION OF [redacted]
DIGITIZER

EARPOP.

REQUEST ANSWERS TO FOLLOWING QUESTIONS IN CONTEXT WITH FURTHER
JUSTIFICATION OF THE DIGITIZING FACILITY PROPOSED IN FINANCIAL
PLAN SUBMISSION FOR [redacted] SITE:

1. WHAT PRIORITY TARGETS ARE INCLUDED IN THE GEOGRAPHIC AREA
SERVED BY [redacted]
2. WHAT IS NET EFFECT ON TOTAL COVERAGE AND COVERAGE TIME OVER
TARGET AREA PROVIDED BY POPPY AND AUTHORIZED FIELD SITES IF
DIGITIZER IS NOT PROVIDED TO [redacted] AND IF IT IS PROVIDED?
3. WHAT IS THE IMPACT OF IMPENDING [redacted] SHUTDOWN?
4. WHAT IS THE RATIONALE FOR ADDING DIGITIZER TO [redacted] IN FY-69
AS OPPOSED TO LATER CONVERSION?
5. WHAT IS THE IMPROVEMENT IN TIMELINESS AND EFFECTIVENESS OF
REPORTING RESULTING FROM USE OF DIGITIZER AS COMPARED WITH
NON-DIGITIZED FIELD STATION AND WHAT ARE ANY OTHER UNIQUE
CAPABILITIES FOR EXISTING OR PLANNED LAUNCHES?

RECORD OF REVISIONS		
REV.	DATE	REVISIONS
56.146	June 1968	PMH
56.14		Rida

PAGE TWO ~~TOP SECRET~~ WHIG 7793

6. WHAT ADDED OPERATIONAL SUPPORT IS NECESSARY FOR [redacted]
DIGITIZER BEYOND THAT PRESENTLY PROVIDED FOR THE ANALOG RECORDING
CAPABILITY AT [redacted]

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