

~~TOP SECRET~~

CONTROL NO. BYE 12656-69

1A

REFERRED TO OFFICE	RECEIVED			RELEASED		SEEN BY	
	SIGNATURE	DATE	TIME	DATE	TIME	NAME & OFFICE SYMBOL	DATE
NRL							

Handle Via Indicated Controls

BYEMAN

Access to this document will be restricted to those persons cleared for the specific projects;

EARPOP

.....

.....

WARNING

This document contains information affecting the national security of the United States within the meaning of the espionage laws U. S. Code Title 18, Sections 793 and 794. The law prohibits its transmission or the revelation of its contents in any manner to an unauthorized person, as well as its use in any manner prejudicial to the safety or interest of the United States or for the benefit of any foreign government to the detriment of the United States. It is to be seen only by personnel especially indoctrinated and authorized to receive information in the designated control channels. Its security must be maintained in accordance with regulations pertaining to BYEMAN Control System.

577/69

NRL B-00019-69 ~~TOP SECRET~~

GROUP 1
Excluded from automatic
downgrading and declassification

~~TOP SECRET~~

HANDLE VIA
BYEMAN
CONTROL SYSTEM

~~ISI~~ NATIONAL RECONNAISSANCE OFFICE
WASHINGTON, D.C.

OFFICE OF THE DIRECTOR

~~TOP SECRET~~ [redacted]

March 7, 1969

MEMORANDUM FOR DIRECTOR, NRO PROGRAM C

SUBJECT: POPPY Digitizer for [redacted] Ground Station

Your previous request within the FY-69 budget submission to convert the POPPY ground station at [redacted] from an analog to a digital intercept facility was denied on the basis that there was insufficient justification.

As a result of the supporting arguments cited by your office and the National Security Agency in the reassessment of this request by the NRO Staff and the NRO Comptroller, I am satisfied that increased system effectiveness and overall long range economies will be achieved by the proposed conversion of [redacted]. Accordingly, this authorizes you to proceed immediately with the procurement and installation of the [redacted] digitizer, at an FY-1969 cost of \$395,000.

The NRO Comptroller will notify the Director, Program A, of this approval, and funds will be furnished in the normal manner.

Alexander H. Flax

Alexander H. Flax

*Margo (NSA) cite 392-9 DTG 182030Z March 69
Provides \$427,000 of NSA funds to NRO for
Purchase (in FY 69 - \$395,000) and installation
(in FY 70 - 32,000)
\$427,000 WCB*



~~EARPOP~~
HANDLE VIA
BYEMAN
CONTROL SYSTEM

~~TOP SECRET~~ [redacted]
EXCLUDED FROM AUTOMATIC RE
DOD DIRECTIVE 5200.10 DOES N

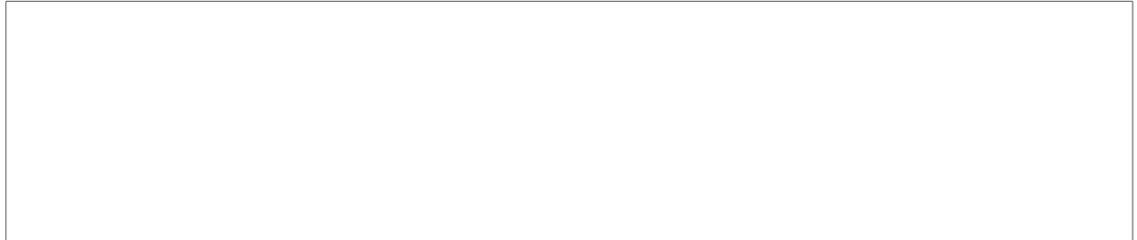
BYE-12656-69
CONTROL NO
COPY 1A OF 2 COPIES
PAGE 1 OF 1 PAGES

~~TOP SECRET~~



1. What is the effect of an added digitizer at [redacted] with regard to:

- a. increased coverage
 - (1) geographic - no increase



b. priority of targets/value of target coverage - [redacted] targets are bounded by an arc running from [redacted] and include the [redacted] areas.

c. accuracy of location [redacted] - the digitizer will permit an accuracy improvement on the order of five-fold. The area of the 90% confidence ellipse will be reduced to one fifth of that obtained on an analog recording. [redacted]

~~d.~~ time required on target - will be the same - the location will also be the same

e. time of response on targets of interest - we have no list of targets of interest - NAVINTCOM should provide

f. parameter measurement capability - the digitizing rate is 1 mc. The analog recording is based on a 50 kc clock, run at 1/2.

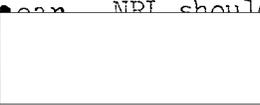
g. data processing

(1) sorting by location - the location capability achieved by employment of a digitizer will give [redacted] a specific target tip-off capability

(2) general processing - signal analysis at the site is considerably facilitated by a digital tape. The analog signal extraction is by [redacted] NPI should have some additional input via HRB.

**Handle via BLEMEN
Control System
Only**

~~TOP SECRET~~



~~TOP SECRET~~



BEACON:
(RETEP)

h. SPASUR ephemeris is averaged over an orbit spacing correction period and is unusable during such periods. A real time ephemeris ~~system~~^{CALIBRATION} is to be employed on Mission 7106 which uses a beacon transmission from ground sites to the vehicle and back. The digitizer is an *essential* integral part of this system - it is the data recorder. This system will give precise slant ranges.

2. Cost

- a. breakdown by FY - NRL provide

The analog recording uses only a part of the full capability of Mission 7106 and all future missions.

*Handle Via BYEMAN
control system only*

~~TOP SECRET~~



Page Denied

Page Denied

~~Top Secret~~

SORS Dry Run: 9:30 @ USA

Recommend that this meeting listen to
 [redacted] version of just why ^{so much} ~~such~~
 doubt seems to exist concerning the
 statement of Navy Capability... are
 we known for misstatements and
 careless advertisement concerning our
 Program? On the contrary I submit
 our statements have ~~been~~ been on
 the whole conservative and
 entirely factual. This is no
 Contractor's Pitch bargaining
 or lobbying for a slice of a
 multimillion \$ pie. Rather a
 dedicated & highly motivated group
 with one common denominator...
 that of making ROPPY (Program C)
 a more capable system.
 This

Hand V. a B4EMA
 in [redacted] system only

~~Top Secret~~