SECRET - HANDLE VIA BYEMAN			NRL B-00017-73	CONTROL NUMBER
TROL SYSTEM ONLY			DATE	X901a4
DRIGINATOR	SER	IAL NO.	20 Dec 1972	2/0/11
CNM (PM-16)	5-52311/72			
DATE REC'D TICKLER DATE COPY NO. RECE		EIPT NO.		
19 Jan 73 (#2)		80,500 INFO	<u> </u>	
OPPY Technical Operations Group (TOG leeting; report of	;)			
		7		
BASIC DOCUMENT ON R/S		CODES HAVING	PRIMARY INTEREST CHEC	K ONE
BASIC DOCUMENT NOT HELD. DESTROY.				
ROUTE * CY W/ TO * NO. ENCL SIGNATURE OUT	DATE RETURN		IDEFINITELY. (REFERENC	E VALUE).
1000		RETAIN	MONTHS. (INFO MATE ONLY TEMPORARY REFER	RIAL ENCE VALUE).
.000				
			AFTER ROUTING. (NO FUR NCE OR INFORMATION VAL	THER .UE).
000		DESTRUCTION F	REPORT NO. FINISH	I FILE
/900		-		
920				
970		REMARKS		
Fred		77	oc l'a	
Mark.			OG file	-
for shot 2/11-72				
91113	- <u>-</u>	D	398	
nette (file)		-		
		-		
	د 			
		* A-ACTION		
		I-INFORM. Ċ-COMME.		
		R-RETAIN	4777031	
RETURN THIS ROUTE SLIP TO NRL SPECIAL PROJECTS DO NOT ROUTE TO OTHER SECTION C	OFFICI	NRL INC	OMING DOCU	JMENT M
	JR BRA			
ACTION TAKEN BY		B017-73 開開開開	s pran	spinel
]		8-1	8-05
		2 	UNITE INTERNET AND	
IRL CONTROL RECORD NDW-NRL-5216/1005 (REV. 3-72	<u>2)</u>			

TOP SECRET Bur CONTROL NO.

REFERRED TO	ERRED TO RECEIVED		RELEASED		SEEN BY		
OFFICE	SIGNATURE	DATE	TIME	DATE	TIME	NAME & OFFICE SYMBOL	DATE
NRL							
							-
	· · · · · · · · · · · · · · · · · · ·						1
							1

Handle Via Indicated Controls BYEMAN

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

EARPOP

B-00017-73 80,500

C05026393

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.

GROUP Each

FOP-

SECRET

NAVY SPACE PROJECT OFFICE (PM 16) (S) NATIONAL RECONNAISSANCE OFFICE, PROGRAM C

Approved for Release: 2024/06/14 C05026393

WASHINGTON, D.C.

OFFICE OF THE DIRECTOR

C05026393

PM-16-531/1c 20 December 1972 ANDLEVIA

MEMORANDUM FOR DIRECTOR, NAVAL RESEARCH LABORATORY DIRECTOR, NATIONAL SECURITY AGENCY DIRECTOR, CENTRAL INTELLICENCE AGENCY DIRECTOR, NRO STAFF (SS-4) AND (SS-7) COMMANDER, NAVAL SECURITY GROUP CHIEF OF NAVAL OPERATIONS (OP-094W)

Subj: POPPY Technical Operations Group (TOG) Meeting; report of

- Encl: (1) List of Attendees
 - (2) TOG Agenda
 - (3) CNSG Operational Report

1. A TOG meeting was held at 0930 on 30 November 1972 at NRL. The list of attendees and the agenda are forwarded as enclosures (1) and (2).

2. The following specific items were discussed:

a. POPPY Project Officer. (PM-16)

who was recently assigned the PM-16 POPPY Project Officer for all aspects of this program except the software maintenance contract with HRB Singer, for which will act as the Contracting Officer's Technical Representative (COTR).

is head of the Ground Systems Division of the PM-16-5 (SPO) organization.

b. Mission 7107 Status. (NRL)

The basic system status remains normal. The spacing between is not now optimum, however, because of a recent microthruster failure. An apparent clog in satellite A, microthruster #2, caused a halt in planned operations to move the pairs apart. Because of drag differences, the separation is decreasing at a very low rate; by mid 1975. the center separation is predicted to be one-seventh of an orbit separation. What is now between will shrink to by March, 1975. Since 7107C is not gravity-gradient stabilized, the others must be micro-thrusted relative to 07C. The spacing is not affected and remains within the NRO SOC (JUNO 0109) desired spacing of:

Classified By <u>BYEMAN-1</u> Exempt From GDS of Executive Order 11652 Exemption Category HANDLE VIPARA 58(2) AND (3) Automatically BYEMANCLASSIFIED on Impossible CONTROL SYSTEM Determine Warning Notice - Sensitive Intelligence Sources and Methods Involved

EXCLUDED FROM AUTOMATIC REGRADING

CONTROL NO	BYE-	523	11/72
COPY 2	0F	9	COPIES
PAGE_1	OF	14	PAGES
~			

C05026393

Approved for Release: 2024/06/14 C05026393

LANY

BYEMAN

PM-16-531/1c

In view of the above, NRL recommended the following:

(1) No additional thrusting on O7AB at this time

(2) Continue to monitor drift

(3) Use thrusting only to control ______ spacing within desired limits

(4) A future option to turn A and B around and thrust in reverse if this becomes desirable.

The above status report indicates that there is <u>no</u> operational impairment of 7107 capability.

c. Mission 7107 Collection Highlights. (NSG)

Enclosure (3) is a summary of the 7107 collection highlights since the last meeting. This period was marked by 2 major Soviet Naval transits between the North Fleet and the Mediterranean. Numerous intercepts of the transiting Soviet submarines were made.

d. <u>Mission 7107 Processing Highlights</u>. (NSA)

Two items of interest were reported:

(1) From a recent emission which illuminated two 7107 satellites simultaneously at an intercept geometry that provided an angular analysts now assess that this system was

unidirectionally sector scanning vertically, from the horizon upward. SLM was tasked at the time of intercept but the signal saturated the SLM counter.

(2) In tapes received from the field, the signals were recorded at 108 KHZ vice the standard 54 KHZ. The NSG representatives agreed to correct the field sites to return to 54 KHZ.

The NSG representatives requested that NSA give the sites some indication of the usefulness of products/analyses performed at NSA request. Even "showing interest" in the results would encourage field personnel to greater interest. A regular wrapup report (perhaps weekly) was suggested as a mechanism for conveying processing highlights.

e. Site Update at (NRL)

The site updates are progressing as planned. The required down times and the purpose and nature of the updates was discussed. At the end of this update, the sites will be as standardized as possible, including the latest approved technology (isolated power grounding, for example).



-TOP	SECRET	EARPOP
	AUTOMATIC REGRAD	

CONTROL NO BYE-52311/72 COPY **2** of 9 copies page 2 of 14 pages

Approved for Releas	e: 2024/06/14 C05026393
---------------------	-------------------------

C05026393

HANDLE VIA

CONTROL SYSTEM

Approved for Release: 2024/06/14 C05026393



PM-16-531/1c

The updates involve about seven days down time at each site.

f. Engineering Evaluation. (NRL)

The regularly scheduled engineering evaluation is scheduled at the end of the _______site update and will involve those items previously discussed, leading to an NRL report at completion. Coordination of the required down times and tasking with the NRO SOC was discussed.

g. U. S. Ship Location. (PM-16)

h. Statistical Evaluation of

Usefulness. (PM-16)

A few weeks ago the Director, Program C asked for some definitive information on how information is being used in the fleet resource allocation decision process. It was considered desirable to ask an outside party to examine the information available for an objective evaluation. of the NRO Staff was asked to compile some statistics that

might lend insight to these questions. NRL, NSG and NOSIC were contacted and all have contributed. Some preliminary results, based upon and outputs during NATO exercise STRONG EXPRESS, were presented.

Future TOG meetings will include more on this subject.

i. Disposition of Computer Equipment. (PM-16)

The POPPY program has excess assets in the form of computer equipment. There is a possibility that two GFE SEL 810 systems now used in another program, might become available for POPPY. The second SEL 86 is in the final stages of acceptance at ______ and requires a decision as to future employment. PM-16 will acquire system specific information on the two SEL 810 systems and will contact the concerned parties for further discussion on this subject prior to the next TOG.

3. The next TOG meeting will be held on 28 December at CNSG Headquarters.

KV GEÍDEF

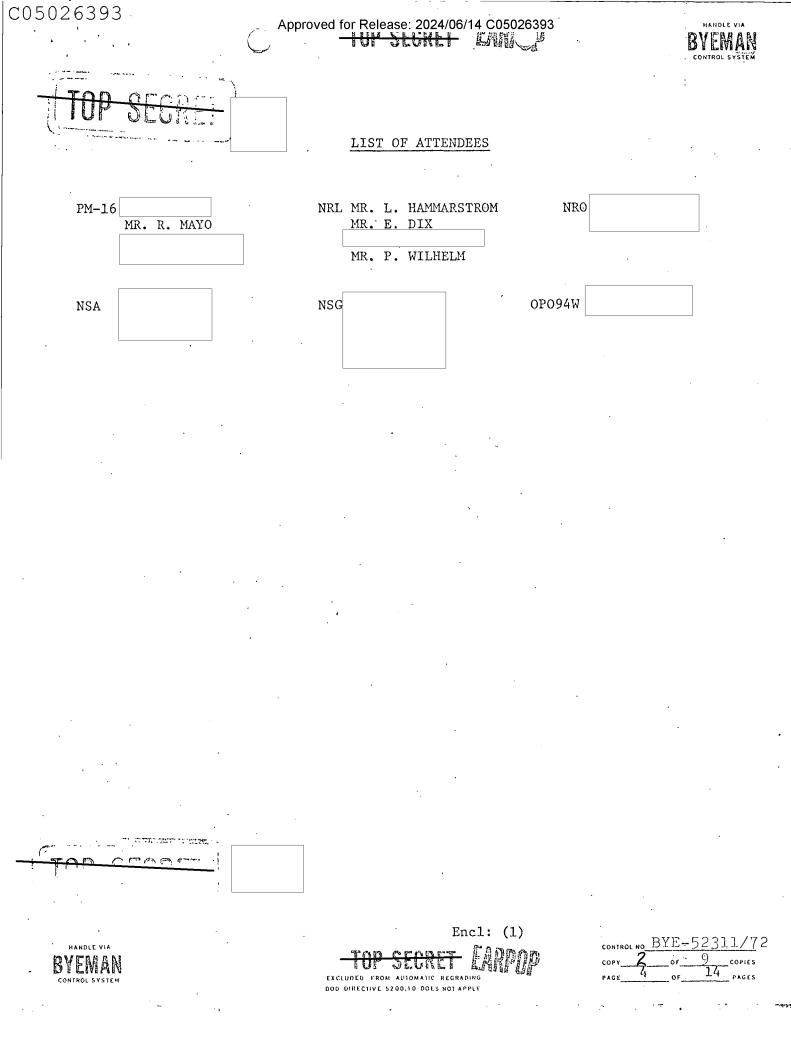
DOD DIRECTIVE 5200 10 DOES NOT APPEY -

CONTROL NO BYE-52311/72

g

PAGES

EXCLUDED FROM AUTOMATIC REGRAPING



C05026393

Approved for Release: 2024/06/14 C05026393 TOP OLONEL I INDOP SECTED TOG AGENDA ITEMS, 30 NOVEMBER 1972

1. 7107 Status (NRL)

- 2. 7107 Collection Highlights (NSG)
- 3. 7107 Processing Highlights (NSA)
- 4. Site Update at (NRL)
- 5. Engineering Evaluation (NRL)
- 6. U. S. Ship Location (SPO)
- 7. Statistical Evaluation of Usefulness (SPO)

8. Disposition of Computer Equipment (SPO)





