

NRL SPECIAL PROJECTS CONTROL NO.

REF ID: A6612770

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一、 研究目的

ORIGINATOR

# MANAGER, PROGRAM C

SERIAL NO.

REF: 66451/70

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SUBJECT

POPPY Technical Operations Group (TOG) Hearing:  
Report of

ENCLOSURES

D 162

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CONTROL NO.

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DEPARTMENT OF THE NAVY  
OFFICE OF THE CHIEF OF NAVAL OPERATIONS  
WASHINGTON, D.C. 20350

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DIRECTOR ERT  
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13 NOV 1970

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From: Manager, Program C  
To: Distribution List

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

Encl: (1) TOG Agenda

1. A TOG meeting was held at 0930, 29 October 1970 in the Hoffman Building. Following is the list of attendees:

[REDACTED]	Program Manager
	Program Manager's Office
MR. DIX	NRL
MR. HAMMARSTROM	NRL
MR. LAWTON	NRL
MR. G. PRICE	NRL
MR. RAYMOND	NRL
LCDR MCGRAW	NSG
LTJG MORGAN	NSG
ENS NIXON	NSG
[REDACTED]	NSA
MR. ABPLANALP	NSA
[REDACTED]	NSA
MR. SMITH	NSA
[REDACTED]	CIA
	CIA
	NRO
	NRO (SCF)
	NAVSPASUR

2. Enclosure (1) is a copy of the TOG agenda. Following is a summary of the discussion:

a. (#1) After NRO approval of the new Program C facility at [REDACTED] an informal familiarization inspection of the site was made by RADM Cooke and the Program Manager. A message will be forthcoming from CNO establishing the requirement and implementing the program augmentation.

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b. (#2) The major ephemeris problem has been recently resolved using newly established communication procedures. NAVSPASUR now sends the ephemeris directly to the using field site. The efforts of the Spacing Working Group have helped considerably to stabilize the ephemeris too. Standard limits of satellite spacing have been set and frequency of thrusting has been reduced. [ ] of SCF, will check ephemeris accuracies available through SCF to see if any degree of improved accuracy can be achieved. NRO will report back on this at the next TOG meeting.

c. (#3) The Extended Theory approach to determining ephemeris has proved accurate in tests. Accuracies of from .3 to .4 nm can be expected from the Extended Theory approach when used operationally. Basic procedures to implement Extended Theory operations will be formulated at a meeting of NRL, NSG, NRO, NSA and NAVSPASUR. NRL is chairing the meeting and will make recommendations at the next TOG.

d. (#4) NSA indicated a desire to improve the capability [ ] is desirable but must be within the existing equipment and personnel constraints. It is possible that improvements in the area of automation will remove some of the load from the operator personnel. Improvements such as auto-antenna tracking, new receivers and automated preset control for one pass will be discussed with NRL [ ] by NSA.

e. (#5) Processing of the test tapes from [ ] show that the threshold output will allow use of 4 bands vice 2 bands from the satellite. NSA has contracted for a Selector Unit that will allow the operator to select one band at a time for analysis. March 1971 is the expected delivery date for the Selector Unit. At a meeting of NSG, NRL and NRO on 9 November immediate use of 4 bands will be explored.

f. (#6) Satellite Status:

(1) 7105A. The narrow band high gain receiver used with this satellite has increased the take by about 50%.

(2) 7106A. A solar cell failure and operation in minimum sunlight has caused low voltage problems. The first week in November will bring the satellite into 100% sunlight.

(3) 7106C. The high sensitivity option on receiver band 7 has given a 50 fold increase in signals.

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g. Additional items:

(1) NSA is attempting to arrange a calibration van for calibration of the SLX option

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TOG AGENDA

0930, 29 October 1970

Hoffman Building

1. Report of  trip. (NIC)
2. Discussion of ephemeric suggestions following recent field trip. (NIC)
3. Status of EXTENDED THEORY trial. (NRL/NAVSPASUR)
4. Future plans for non-Navy site. (NSA)
5. Pulse Width selector. (NSA)
6. Operational status report. (NRL/NSG)

Enclosure(1)