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4 May 1971

From: Director, Program C

To: Director, Naval Research Laboratory
Director, National Security Agency
Director, Central Intelligence Agency
Director, National Reconnaissance Office
Commander, Naval Security Group

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

Encl: (1) List of Attendees
(2) TOG Agenda

1. A TOG meeting was held at 0945, 22 April 1971, at the Naval Security Group Headquarters. The list of attendees and the agenda are forwarded as Enclosures (1) and (2).

2. 7105/7106 Status and Operational Report

a. NSG - The ALFA/BRAVO spacing is currently [] with a closure rate of []. The CHARLIE/DELTA spacing is [] with a closure rate of []. The health of the payloads has not changed during the past month. Although the ALFA/BRAVO pair spacing is decreasing, the risk of thrusting should be carefully considered because the BRAVO thruster is not working properly. Incorrect thrusting could endanger the ALFA/BRAVO use in the upcoming Soviet spring exercise. The 7106 CHARLIE remains the same with the ALFA channel remaining weak, the band 8 regenerating badly at [] slightly at [] and none at []. The current highlights include the location of a new []. This emitter is now included in normal processing rather than in a special task. The special task against the UAR continues with additional intercepts of the [] with tasking to search for []. During one window of the anti-satellite [] special task, three [] were intercepted simultaneously with each using a new PRF mode. Additionally, 180 ship locations have been made on 28 separate units during the last four weeks. In data collection ALFA/BRAVO now has priority over CHARLIE/DELTA. Since these [] a significant portion of the CHARLIE/DELTA collection time is being lost. As an experiment, [] is now collecting ALFA/BRAVO with one collection antenna, CHARLIE with the second collection antenna, and DELTA with the command antenna. This allows full coverage of all four payloads. After this method is evaluated and if no problems are encountered, this technique will be implemented at []. If so, new Task Groups will be needed to optimize this collection method.

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b. NSA - Action: Due to the closing of ALFA/BRAVO and the risk involved in thrusting, NSA will determine, for the next TOG, the minimum spacing acceptable for this pair.

c. NRL - Action: NRL will provide an evaluation of the risk involved in thrusting 7105 BRAVO for the next TOG.

3.

a. NSA - The was first intercepted in 1965 by POPPY but was misidentified. In 1968 it drew more interest and was extensively intercepted in 1969. It was first intercepted in the UAR by TRIPOS/SOUSEA. was then tasked against it and produced locations in the Aswan Dam area and made extensive intercepts for technical intelligence.

4. Added 7107 ELINT Bands

a. NRL - The construction of the 7107 payloads is on schedule. A decision on the three late requested bands is needed to finalize the design of 7107.

b. Program Office - Contact has been established with ITT concerning these bands. They have presented several options for delivery of the bands. Action: The program office will schedule a meeting with NRO and NRL to determine which option to select.

5.

7. ON-ORBIT CALIBRATION

a. NRL/NSA - A plan for calibrating 7106 CHARLIE using the STANFORD DISH and has been written and will be submitted to the Program Office.

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a. Program Office - The next TOG is scheduled for 27 May, at 0930, Room 586, Jefferson Plaza #1.



ROBERT K. GEIGER
Captain, USN
Director, Program C

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LIST OF ATTENDEES

[Redacted]

Program Director's Staff
Program Director's Staff

Commander McGraw
Lt (Junior Grade) Morgan
Ensign [Redacted]

NSG
NSG
NSG

[Redacted]

NSA
NSA
NSA
NSA
NSA

NRO (SOC)
NRO (SOC)

Mr. Clark

CIA

Mr. Dix
Mr. Hellrich

NRL
NRL

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1. 7105/7106/7107 STATUS (NRL)
2. 7105/7106 OPERATIONAL REPORT (NSG)
3.

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