

700810  
~~TOP SECRET FARPPO~~  
HANDLE VIA BYEMAN CONTROL SYSTEM

Mr. Mayo  
5614

~~TOP SECRET~~

PROGRAM "C" BRIEF

FOR

DEFENSE SCIENCE BOARD

[ ] - Program Manager - 30 min.

1. Background of the Program
2. Overview of the Satellite System and Ground Sites
3. Program Organization and Responsibilities
4. Mission

Mr. REID MAYO - NRL - 30 min.

1. Intercept Techniques
  - a. Spacecraft
  - b. Ground Stations
2. Processing

[ ] - 30 min.

1. Ocean Surveillance Capability
2. USIB Recognition of O/S Requirement
3. Tasking against Fleet Requirements

LCDR MCGRAW - NSG - 30 min.

1. Proposal for Augmentation of Ground Sites

- [ ]
1. Summary and Discussion.

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D.J. 17.

DSB

Eugene Fubini

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Don A. Lacer

AEROSPACE (Temp. Member)

Lloyd K. Lauderdale

✓ LTV (T.H.)

Walter F. Leverton

Jackson D. Maxey

Robert K. Geiger

p-32

- Asst for Dir.

Frank Lehman

✓ T.H.

CHHN DSB

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~~Secret~~~~SECRET~~ NOFORN  
SPECIAL HANDLING REQUIREDTo H.C.L.  
8/12/70D R A F T  
8-10-70To: 4000  
From: 5600  
Via: 5000Subj: Strengthening and Reorganization of Space Systems Section  
(5614)

1. In the early part of the summer, you will recall, we discussed some of the problems and prospects pertaining to Reid Mayo's section. Today these people are still heavily committed, even with the addition of Ed Dix to my staff and the diversion of most of the ocean surveillance homework for NASC to 5620; in fact, the workload trend seems to be increasing rather than diminishing ~~in this regard~~. (We can update you on recent developments at your convenience).

2. We did an informal staff study in June on this subject and since then have conducted further review; this review leads me to propose that we phase the effort on strengthening and reorganizing 5614. The immediate problems are in the area of planning, administration, security control and support, and systems analysis (the latter suggested by you), as outlined below:

Planning--As the new leadership in NRO acquires experience, it is setting higher goals and tougher standards, including better and longer range planning. For example, for the next mission (beyond the one currently being built) they want several options from NRL from which to make their selection. They are also requiring additional homework on the plans now being implemented.

Administration--Since 1960 Program C "has grown like Topsy." Compared with similar NRO programs, ours has operated "on a shoestring"--low budgets, austere manning, limited support facilities, and little direction or assistance from Navy command or management. Trying to combine R&D with operational employment, although justified by the national priorities involved, has

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resulted in a fast pace and tended to detract attention from more mundane things (like administration). As a direct result of increased NAVINTCOM action last year, coupled with the changes in NRO alluded to above, NRL is compelled to become more formal in its program administration and to participate in many more areas of the business than was hitherto the case. Far too much time of key personnel is occupied in menial but important tasks, such as typing, filing, document control, correspondence, messages, report writing and/or inputs; logistic support, etc.

Security--The cleared 5610 secretary was borrowed for six weeks this summer to help catch up on the typing backlog and to start inventory and reorganization of the classified documents. About 80% of the latter job remains to be done; however, the typing is in far better shape. Aid is needed also in courier duty. There is considerable daily traffic back and forth to the SSO/SAO office, all of it by 5614 engineers and technicians (the female secretaries are barred from this duty). Like administration, the security load has grown faster than our accommodation to it.

Systems Analysis--In early June you stated that you desired to have a systems analysis capability provided for in the planning for 5614 growth. (The collaboration with Program 749 may have been the need you had in mind, for we were discussing that subject at the time.) Meanwhile other developments have underscored the same general need, particularly some of the events in the NRO area and in ocean surveillance planning.

3. Recommended Action:

a. Administrative Assistant--Establish a new billet for a GS-6/7 Administrative Assistant<sup>in 5614</sup> to assume responsibility for reorganizing and operating "the office" (administration and security, including budget, program documentation, accounting, contracts, procurement, etc.) For security and work schedule reasons, we would prefer a male, *although we realize he would cost us more.*

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b. Secretary/Courier--Establish a new billet for a male yeoman (YN1/YN2) to perform highly classified secretarial duties and to serve as a courier (within NRL).

c. Systems Analysis Staff--Pending 5614 transition to branch status (target date January 1971), and conditional upon clearances and approval by the appropriate senior NRL personnel, utilize cooperating job assignments, as required, to establish a systems analysis staff responsive to 5170 and 5614. Some of the candidates in mind are:

[redacted]  
Frederick Raymond, 5174

[redacted]  
Lee Hammarstrom, 5614 (HRB)

[redacted] would also assist on such a staff.

4. As regards planning, we expect to do better once Ed Dix works into his new role (as NRL liaison on the Program C staff in NAVINTCOM) and as [redacted] staff grows and improves. Meanwhile my key people and I shall put in more time in planning for the program, and also build an improved planning capability into the new branch.

5. The foregoing addresses the immediate needs of 5614, but has been developed in a long range context--i.e., the actions recommended will contribute to a lasting improvement. I hope you will be able to approve all of them. On or about 1 September I will submit our plan, with requirements, for the new branch, to be implemented 1 January 1971. Before that date we will need to discuss with you the matter of converting certain key contractor personnel to Civil Service status.

Copy to:

5610

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OPTIONAL FORM NO. 10  
MAY 1962 EDITION  
GSA FPMR (41 CFR) 101-11.6

UNITED STATES GOVERNMENT

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SPECIAL HANDLING REQUIRED

TO : Code 4000

5605-75:FW:cdd  
DATE: 25 August 1970

Via: Code 5000

FROM : Code 5600

SUBJECT: Strengthening and Reorganization of Space Systems Section (5614)

1. In the early part of the summer, you will recall, we discussed some of the problems and prospects pertaining to Reid Mayo's section. Today these people are still heavily committed, even with the addition of Ed Dix to my staff and the diversion of most of the ocean surveillance homework for NASC to 5620; in fact, the workload trend seems to be increasing rather than diminishing. (We can up-date you on recent developments at your convenience.)

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5010-108

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5605-75:FW:cdd  
25 August 1970

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[redacted]  
Lee Hammarstrom, 5614 (HRB)

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25 August 1970

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H. O. LORENZEN  
Superintendent  
Electronic Warfare Division

Copy to:  
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5614

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CNO HOLD AND PASS TO NRL

DIRNSA FOR K4

7106A POWER SUPPLY

A. YOUR 072146Z AUG 70.

1. DECREASED VOLTAGE LEVEL VCU 6 SEGMENTS 6 AND 7 ALSO  
OBSERVED BLOSSOM POINT AND ARE RESULT ONE DEAD POWER CELL  
7106A AND CURRENT OPERATION IN MINIMUM SUNLIGHT (67 PERCENT).

2. ADDITIONAL RECEIVERS WILL OFTEN BE ACTIVATED UNDER  
CONDITIONS REPORTED REF A WHEN POSITIVE-TO-NEGATIVE SUPPLY  
BIAS DEVELOPS ACROSS RELAYS. THIS CONDITION NOT CONSIDERED  
MALFUNCTION BUT SHOULD BE REPORTED WHEN OBSERVED. TAPE  
LOGS SHOULD ALSO BE MARKED TO INCLUDE ADDITIONAL ACTIVE  
DATA LINKS NOTED.

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*Memorandum*

13 AUG 1970

TO : Code 3100

DATE: 5 August, 1970

FROM : Code 5602

SUBJECT: MIPR 7616-71-00301

1. The subject MIPR should be divided as follows:

51A01-17 and Coops	\$3,550K
56R06-29	\$4,102.6K

*S. Randleman*

S. Randleman

cc:5102  
5170

5010-108

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