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THE

Report on Meeting of Executive Tactical Operating Group (ETOG)

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NRL INCOMING DOCUMENT



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NRL CONTROL RECORD NDW-NRL-5216/1005 (11-67)



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

IN REPLY REFER TO

Op-092/kfp
BYE-65622/69

24 FEB 1969

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MEMORANDUM FOR THE CHIEF OF NAVAL OPERATIONS

Via: Op-09

Subj: Report on Meeting of Executive Tactical Operating Group (EXTOG)

1. The newly instituted EXTOG met on 6 February 1969 under the auspices of Op-092 (Director of Program C) to discuss details and future plans of the POPPY Satellite System. The EXTOG has been formed to consider what the POPPY Satellite System can do to aid in meeting the world-wide threat to U. S. naval forces. Specifically: What area of the threat can be addressed by POPPY? What can we do to bring POPPY resources to bear on these threat areas? What are the proper areas for future POPPY employment in support of U.S. naval operations? In attendance were:

Op-03G	RADM J. E. DACEY
Op-07B	RADM V. P. DEPOIX/RADM W. N. LEONARD
Op-092	RADM F. J. HARLFINGER
Op-35	RADM M. D. CARMODY
Op-76	RADM W. J. MORAN
Op-93	RADM E. P. AURAND
Op-94G	
REWSON	
NRL	MR. H. LORENZEN/MR. R. MAYO

2. The agenda was as follows:

a. As a review, a short briefing was presented on the technical capabilities of the POPPY Satellite System and the associated ground readout stations.

b. Recent successes achieved by POPPY in locating Soviet combatants at sea were explained at length. The impact of these successes on Ocean Surveillance was discussed.

c. The future plans for POPPY were discussed.

3. Highlights of the above discussions:

a. The POPPY System provides a valuable input to Navy Ocean Surveillance. Input consists of locations of radiating platforms. The real time nature of the inputs will permit tracking of platforms at sea.

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Op-092/kfp
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1. What is the effect of an added digitizer at [] with regard to:

a. increased coverage

(1) geographic - no increase

(2) estimated number of targets - the employment of 4 []

will permit more RF bands to be covered simultaneously. Where

[] This amounts to an eight-fold increase in coverage.

b. priority of targets/value of target coverage - [] targets are
bounded by an arc running from []

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

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 [] The
analog recording is based on a []

g. data processing

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

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

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h. SPASUR ephemeris is averaged over an orbit spacing correction period and is unusable during such periods.

is to be employed on Mission 7106 whi

from ground sites to the vehicle and

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.

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Problem Areas for week Beginning 3 Feb'69.....

I. Briefing for CNO due 18 Feb...get started with the outline.

II. Tues. PM [] and XO from SAMSO office west coast for a briefing which Speaker has requested. It must be remembered that this SAMSO office has been looking to industry to get their Brains for the technical job which NRL Has supplied for this project. It is still entirely uncertain what the NRL roll will be in the Ocean surveillance picture of the future. An Extension of the Data Collection now being used in Poppy could only be used for this job-if the payload has a design very similar to that of the present POPPY payloads. HOL should address the philosophy of NRL as it interfaces today and tomorrow with OP-07, 76 and SAMSO, and PM-7

III. [] Briefing with ARMY Map Service people ~~Wednesday~~ *Wednesday* 9 AM. Must check out clearances.

IV. [] Briefing to Comptroller to coincide with [] schedule.
A. Summarize the overall FIGURE OF MERIT OF DIGITAL STATION vs ANALOG.
B. Chart to itemize the Specific TARGET AREAS.
C.

V. [] about Schedule.... [] has offered early August as his estimate due to delivery of critical GGS components from vendors and Sequential tests which remain to be done....NO mention of our stuff holding them up. Vince offered them [] bands for [] on the 29th and was asked to hold them for a couple of weeks....understand that these were not the last [] needed to complete [] but rather the first ones which are the greatest risk in producing RF Interference. They are absolutely essential in the early trouble-shooting to get the internal noises down to acceptable levels.

Lee assist [] in finishing up []

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