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•,		19 Marc	h 1969
SORS MEETING (he	ld CIA Room 72	24 0930)	
Subj: Expanding	on Sea Survei	llance Point	Paper
l. Attendees -		CÍA,	CIA;
	Army; LtCdr.	COKEFAIR, Nav	Y;
NRO; J. LIBBERT,	NSA;	DIA; Ai	r Force, plus
a large audience	(20 people).	R. POTTS, NS	A; SA Group,
, NRO s	taff (Col ALLE	EN).	
2.	started with k	orief intorduc	tion and he listed
points which he	felt had to be	considered:	
(1) Competi	tion between p	rinciple resp	onsibilities
(ABM competi;tio	n)		
(2) A. Tas	king time and	utilization o	f resources
B. Nee	d of demonstra	tive capabili	ty
(3) The cha	racteristic fo	or production	of intelligence
from restricted	areas.		
3. Capt MOFFIT	then had intro	duction remar	ks and people
included	Cdr McGR	AW,	Lt. POTTS,
R. D. MAYO, L. H	AMMARSTROM. M	Ir. MAYO next	gave brief statement
of improvements	in system. Ma	de the statem	ent we would -
R. POTTS then we	nt into detail	ed run throug.	h (45minutes) of
results. (See o	utline and cha	rts from proc	eedure manual for specifi
Lee HAMMARSTROM	addressed init	ial points (1	0 minutes) of chairman
on "competition"	with discussi	on on parelle	l operation of station,
i.e. (a) All data	a transmitted	from satellit	e (ABM-Sea - EW) is
collected and put	on digital ta	pe on all pas	s. (b) only possible are
if conflict is in	n NSA tasked r	esponibilitie	s and these were
all met at the	same time the	ship processi	ng was underway. Cited
number of SOI's	reported, show	ed viewgraph	of NSA requested
Went to poin	nt #2 of taski	ng and utiliz	ation of payloads during
1000 / 7 1			ted out sea surviellance
1968. (See viewg:	raphs on A,B,C	(D.) and poin	Lea out sea survieriance

only 42-50% of available tasking limitations and other sea ABM requirements could be added easily citing

now task 1.3 times per day could be increased to 6 timeAjust by adding it \_\_\_\_\_\_\_isting task grous. CONTROL SYSTEM ONLY

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2....

C05025447 Approved for Release: 2024/06/11 C05025447 L. HMMARSTROM Brief summary meeting primary responsibility on ABM showing chart on firsts which POPPY has had. Showed graph of

CIA document on BUGH intelligence. Then verbally mention 2 reports from each agency CIA, NSA, DIA, which listed ABM results from POPPY.

Capt MOFFIT Then summarized

then said questions he had.

1. Requirement? What is usable location accuracy?

a. Needs carefull statement of accuracy

b. What sort of accuracy is produced?

c. What sort of accuracy is required for Ocean Surveillance

Cited some NAU sum correlation and narrow passage

where location fell in water.

Ray POTTS - NSA

in

1. Said he ran 8 of locations and the worst was
20 miles

a. 3 ran o.k.

b. 5 needed manual interface

2. Cited on Bench-mark radars that while L.O.P.'s were larger centers agreed with bench marks to

Said he questioned if ephemeris was that good.

Lee HAMMARSTROM

Showed chart of brower-lydane U.S. "timation" data which had

variation and made the statement we felt this was the system's overall limitation at the present time.

Discussion follwed on need of radar calibration on all bands to elimate any bias

Lt. POTTS made reference to accuracy of mean delay Capt Moffit ask what he should do now?

Said committee would need more time to act.

1. Requirments by areas

A. What accuracy liked

B. What accuracy can be used. YANDLE VIA BYEMAN Warship, r it etc. Approved for Release: 2024/06/11 C05025447

.v -	Approved for Release: 2024/06/11 C05025447
1.	How long does it take to locate?
2.	How many targets can be located?
Lt. POTT	S
	His "first team"
	w do them within if they were
_	or just that emitter.
L. HAMMA	
In	overall response to guestions and need for prcise statements
on accur	acy - timelyness, etc. thatthe system was still in the R&D
phase-ex	ample; of new hardware and software and that he felt that
prime go	al should be to get mere time and experinnce before
being pi	nned down to exact statements. The "learing curve" on what
all can	be done is very steep.
Cit	ed timelyness requirement of Field vs NSAprocessing.
Mad	e comment that they both still could be done i.e. digital
tape was	still forwarded.
Cit	ed long range impact and interfer <b>e</b> nce.
a.	Payloads (designed for ship emitters)
b.	General processing
b. Capt MOF	
	FIT
Capt MOF	FIT
Capt MOF Ask	FIT
Capt MOF Ask USIB.	FIT
Capt MOF Ask USIB. Sai	FIT if he should go on thru to sigint committee and to
Capt MOF Ask USIB. Sai	FIT if he should go on thru to sigint committee and to d he had alerted USIB and that the first steps he thought were n approved SORS position with three steps
Capt MOF Ask USIB. Sai to get a	FIT if he should go on thru to sigint committee and to d he had alerted USIB and that the first steps he thought were n approved SORS position with three steps Provisional capability now while establishing and defining
Capt MOF Ask USIB. Sai to get a 1.	FIT if he should go on thru to sigint committee and to d he had alerted USIB and that the first steps he thought were n approved SORS position with three steps Provisional capability now while establishing and defining
Capt MOF Ask USIB. Sai to get a 1. specific 2.	FIT if he should go on thru to sigint committee and to d he had alerted USIB and that the first steps he thought were n approved SORS position with three steps Provisional capability now while establishing and defining goals.
Capt MOF Ask USIB. Sai to get a 1. specific 2. Made	FIT
Capt MOF Ask USIB. Sai to get a 1. specific 2. Made of 5 or	FIT
Capt MOF Ask USIB. Sai to get a 1. specific 2. Made of 5 or	FIT if he should go on thru to sigint committee and to d he had alerted USIB and that the first steps he thought were n approved SORS position with three steps Provisional capability now while establishing and defining goals. Tade offs on system design point on which radars so on a ship you might use if you were limited. Other satellit es timelyness stand - record - dump, process, etc. e Wi wman on low priority (no fast response on the state of t



## Suggestions:

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"u . . .

- 1. Committee needs time
- 2. We should reconsider the memo and add the other aspects.
- 3. Memo before the committee is too open-ended!
- 4. Goals
- a. 6-9 months plan for defining
- b. Then longer term problems and definitions.

Steps should be

1. Continue is going

2. Then later come to NRO with tasking changes etc. (easy system changes)

3. Then later world wide problem; locational accuracy, other systems hardware changes

4. coming down the pike!

## LIBBERT

Committee should endorse

1. R&D etc.

- 2. More definition
- 3. Look for possible problems

...and even continue with some interference for awhile to test out system etc.

Get specific authorization for world wide system

Capt MOFFITT

Questions, what next, USIB, Sigint

Said wait until we....

They want time in order to consider.

NRP resource producer and consummer narrow line and that he and program would work closely to develop

Said wide line;

11:30

Thank you gentleman

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capability of POPPY. (5) that there are significant new aspects which should be investigated to avoid future communication gaps and to insure response to significant aspects of the program.

Gentlemen - what we have presented while the numbers are accurate is a distortion of the overall fint picutre. We have presented this to dramatize and put a perspective on the power of POOPY system and the significance of our requests which we put before this the Nations highest satellite Elint committee. These requests are as follows:

(1) The use of POPPY for the Navy sea surveillance mission.

(2) the consideration of digitizing all POPPY ground stations and other stations to support the Navy and Nation missions i.e. mid Indian Ocean.

(3) the expansion of the POPPY processing resources to a (The minimum point for this would be (a) the capability for a level of activity on each magnatron family. For example - The varients which we feel and is suggested by reports equates to Soviet ABM activity.)

4. The development of the software on POPPY which (This should be a logical step because POPPY digital data provides all of the basic inputs in a simpler form, i.e.



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C05025447 Approved for Release: 2024/06/11 C05025447 đ م ظ the availability to the Elint community today the intelligence of anwork Expanding inputs to signals of Interest and tasking 5. reflecting SOI's. Procedure for detailed review of SOI's intercepted by organizations requesting SOI signals for further possible intelligence, for example, Dog House (a) Occasional high stability This is hard to solid enough to see a thru a crystal video over a wide obtain on a

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