E- In parts of the spectrum where four-ball commonality is not avail Tasing the birds where the signal was recognized will be necessary and this must be done very carefully, and at the same time with rapidity so the signal will not have dissapeared before the/tasking is finished. Keep in mind that only one bird need be retasked after adequate PWX observations have been made on a signal-type one or two observations at the beginning of this TOOT effort should suffice)

F-In the latter case where only two birds are edilipped for Coverage,
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Retasking only one bird is essential thus preserving the continuity of observation in the remaining bird during re-tasing.

G- Observation of Six de multiple elevation angles to adequately allow description of the multiple beams of an emitter. With sufficient observations Absolute peak effective radiation power can be determined. It is essential that the emitter must be located before the elevation angle and range information will be available for this analysis of beam widths and power.

- 3. Upon recognition of a TOOT signal the Watch Supervisor must retask according to specific doctrine depending upon the variety and extent of the opportunity which this particular signal and collection Mission provides. The TOOT list must specify just what is to be done and when
- 4. Ultimately this TOOT List can be expanded as the methodology for handling the recording, book-keeping and analysis develops. Keep in mind that as the list changes there is a certain maximum number of signals which the operators can be expected to recognize, especially if the maximum number of signals which the operators can be expected to recognize, especially if the maximum number of signals which the operators can be expected to recognize, especially if the maximum number of signals which the operators can be expected to recognize, especially if the maximum number of signals which the operators can be expected to recognize, especially if the maximum number of signals which the operators can be expected to recognize, especially if the maximum number of signals which the operators can be expected to recognize, especially if the maximum number of signals which the operators can be expected to recognize, especially if the maximum number of signals which the operators can be expected to recognize, especially if the maximum number of signals which the operators can be expected to recognize, especially if the maximum number of signals which the operators can be expected to recognize, especially if the maximum number of signals which the operators can be expected to recognize, especially if the maximum number of signals which the operators can be expected to recognize, especially if the maximum number of signals which the operators can be expected to recognize, especially if the maximum number of signals which that as the list changes there is a certain maximum number of signals which the operators can be expected to recognize, especially if the maximum number of signals which the maximum number

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MODE #I, Upon recognition of a signal of the highest half dozen prinities, the operators of the BLUE interrogation system at would take immediate action to re-task the vehicles of either Mission 7105 or 7106 to use the parametric measurement options to fullest advantage of the existence of a Target of opportunity for collection. Certain of operational aspects of POPPY must be enhanced considerably to make this work:

(1) Recognition must be made in near Real-Time
This demands an intimate knowledge of the signal environment such as
was attained for Mission 7105 by the site operators. Experience will help
but the job is considerably harder because of the 4 pulse-width data format
for 7106 as opposed to the 2 pulse-width format for 7105.

(2) Re-Interrogation must be made in rapid order so that all the resources of the particular mission can be brought to bear on the signal. There are several mechanisms which might be used to maximize the capability

A- On the vehicle which intercepted the signal and where it was subsequentl recoggized, the tasking should not be changed but instead. the other vehicles must as they are capable, be tasked with either SLX as the meeds dictate. By this move the signal can continue tobe monitored during and following the re-interrogation efforts.

As one views the uncertainties of the first several weeks of Mission 7106 there were many things which will not represent the operational scene in the future...interrogation of some 35 Engineering tasking groups gave problems in interrogation, operators signal-recognition, Off-Line signal back-log, were all exaggerated by their was unfamiliarity.

As one considers the relative merits of Mode I or Mode II one must determine when these signals stay up from one Rev to the next. It is not a good way to start because the community will insist that the productivity is inadequate to justify the effort.

A better start would be to develop the site capability along with that at NSA to utilize SLX data. The site can easily use these data in a relative comparison manner but to develope the Absolute measurement capability demands experience and calibration....and significantly more information than the sites now have available.



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	Notes relative to the community inquiry among the POPPY sites as to how
	the sites could best respond being turned on when a high Priority signal was recognized.
A [MODE #1: Single Office interrogation of vehicles in order to collect SLX data addingt specified targets CONSIDERATIONS OF MODE #1:
	(1). # of SOI's in a given group limited by operator's ability to spot in real time more than xxx two(or three at most). (2). Length of signal intercept will become a prime factor immediately upon recognition of sig. less than 2 minutes would precluxe re-interrogation.
	or analysis. (3)Tracking requirements may degrade the recognition ability of operators (4) Increased channel data-density caused by doubling the # of DLs/Chan
B B	hampers recognition. (5) Of the 22 SOIs spotted at in 4 days only 4 were noted by collection operators. A 5 false reports were made by operators. (6) Digital System (**RENE*********************************
	OFF-LINE SCANNING to recognaze signals, considerations:::: (1). OFF-LINE scanning lags collection by 18 to 24 hours (2). If only a few selected Sois are to be considered then Next Rev tasking is possible.
С	. MODE # III PROPOSAL GEOGRAPHICAL CONSIDERATION FOR USE OF SLX. :
2. 0	CONCLUSION: A). MODE #EXI = most effective use of options and productivity potential. B). Tasking flexibility would stimulate field operations and enhance collect: Mighe include New/Unusual systems or new operating modes of old ones. C). Need to alert down-stream sites to changes in tasking, or take the consequence
3.	RECOMMENDATIONS:: While ModeI and II offer best opportunity for flexible use of SLX options, need more experience for QRC interrogation. kk Therefore recommend use of III with limited I and II controlled basis.

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Account

C05025498 SECRET - NOFORN Jan. 27, 1970 OUTLINE STAFF STUDY COORDINATION OF PROGRAM C AND OCEINN SURVEILLANCE I-PROBLEM: To Mamune the requirements, problems, and any important implicationer of estimating Programs C to unchecke Ocean rememblance franchions. FACTS BEARING ON THE PROCLEMY: 1. Program C is an Official program with material opensoustrys . find contrat, of long standing, and considerable value to redonal county. 2. As such it operation under street police, securely management, and operational constraints - far beyond Naval To date Program C has been competitely ordunal - untillegence ounted except for a few brief experience to. 4. Ocean surrellance, while employing intelligence procures among others, is probably more likely be duraleged and simpologed as a commend function partle CNO Roll The Jes. 5. As such it would operate in a contest quite diffrom t from that described above for Trogeron C. 6. Were Program & to be used for ocean surrellance people by a normalis of arrangements would be regulated the HANDLE VIA

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Discussion: The following paragraphic attempt to describe
the organizations and programabilities of participants
associated with the intelligence and accommend programs under concelleration.

militigener projects someter the NRO, which in turn in performed projects someter the NRO, which in turn in property to the DCZ And for Set (for the President).

Policy deviction in promoter of at least indirectly, by DCI the NSC, and JCS. Requirements is somewhat from USIB the NSC, and JCS. Requirements of the SIGING Committee.

The attached wheat give an imaliformed approximation of NRO and the Program Congruence from MININTECONIANO, Commenter NAVINTECONIANO, Commenter NAVINTECONIANO, and Develop Pringian Constant NRO.

There a staff in NICS (observe in the chart) which provides Navy a project team, and an interface between Navy and NRO.

William the Navy, Nic emplements higher policy generalise, conscionation beginning to the Navy, surprise security.

provides beaution, with, NRO, occordinates polarising and managiness. I and molecular to minimal the surprisers minimal to the surprisers made the surprisers with the sources.

I the program to Navy and other meets. The Naval Security Knows, (NSS) maintaining and operates the sources selected the sources selected the sources.

Solar used by the program, collects and performs love, but program, collects and performs from the processing on the data, transmits care said.

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C05025498 - NICL provides the orthodo Teles support of operations - all the way from original concept and designe to the technical adequacy of the total And system and its end- personets. IThe enterfaces and June dietions which govern NSN, NSG NIC, and NEL oretion, are complicated but important to the succe the pregram. They are spelled out informally in detail in attaching + (1) hereto. Some charging her, and surprisoner to in trusc working pelationships would be necessary purveillance pagyson to said might for ocean even for Julius Trogenin C. purposes Claim Sarveillance (05). This surject is secret him only in turns of relating the Pagean C potential to The Nary's task. (The mussion of 05 and its relation stops to ofthe Nary mercians and programme can be fround donnehor) In the first place the technical families of employing Pargram. C for as how been dominated What persons to the done is to (1) diviley, full pystom, operating consent with promisions for inteface with other intelligence and command personer and data pysterno (2) oftain authority and the " first parts to operational concept in real-world someon; munts, and (3), answering process, denty, and integrate the Sollow-on Program C regulation on to the Monda OS Information System, under proper policy and harble without CONTRUL SYSTEM ONLY

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C05025498 a considerable amount of groundwich has already been Said for adding . O. to the Nary's pole and museums, while the case is for from autight a fully developed, as a is begond the pouries of this paper. Truck unternal preparations for the step of adapting a "going project (Program, an estimate trade that only partially diviloged concept (05). This type of planning and proposation do not appear to buy for advanced to date; hunce it is quite likely that interior or partial arrangements will have to suffici the next year or Another true problem and which must be product in the personal ations between proceed "national" and " mulitary" control. As stated above, Program & in an action today at national notitle quice resource. also be used effectively for operational sea suscellance paypoit of shore-based and pengering commends? (Co. the command- control and information and reports agipuan to be uncompatible for sustained oper a drond. Because of its promotion as a Juntamental naval took 05: in being coordinated, sorthing OPNING by Op. 32 (ISW and Com Scientillance Donnies) and supported by many other devenions Gp-94 (including NSG). unchecking Op. 35 - Op. 76 Op. 92 (NIC), And

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In turn of bith moral winface amon and program

As well - but the task of determining wantly what is required

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personal climate for consolidating the Hay's comments for produced for the Hour's comments for the form of the hour hing at the hand limited personalisms and reporting functions in the man of os, etc. would appear to be wouldened involved the formal climate for my early new major involvements in chartering functionals for my early new major involvements in chartering functionable, their would preme to be good respectively informable, their would preme to be good respectively in frequency of the means to be good produced building of the means of pageons.

Problems, Most of the problems associated with the adoptition

Program C to ocean promoblemes have about, but mentioned

1. Review and subjection to recovery, of the participating

agencies and their florotions.

2. Development of his overall OS consent with constably printedly provided proportions and professionary, he printedly longe treat as languages in Americans. Shows can be policy and comment I management.

2. Theories have of material is multilary factors.

4. Theremostration of motilingenes 45 command

c. Recordation of internal Navy defluences.

3. Soldow- on development of a process plan for adapting Program C to the foregoing breads corneint grand to fit

3. Defendion of publications and technical

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C05025498 pproved for Release: 2024/06/11 C05025498 4. Provisions for planning and emplementing mincheners to perform the above tacker. There are other problem which will be uncoundered in any work on the above but or which his begand them, however, the namers purpose of this outline their will suffer Implicationes. Within the scope of the stated Problem probably the most important consists program in du part year or two have been the continuing technical fearbilly. demonstrations Program & and the present planning to conduct a sectament operational formability that in support of Sith Start Considering the Wary's pate of advance one the part fine going one could conclude that waited , do well to accelerate before the threet worther us or we have our present of je or demanding . To this and the wage must emportant mid in for early MO action specific machining for starting the planning kind early emplemen sing place called for under This Discussion. Such work double be close with the coging anne of the 65 Coordinating Committee but it showen not be subordinative to mak a group. The sound what seems to be called for in our gradewall allaptations of a going project unto the but and and Flast organizational fet that fre broader longer nonge OS control HANDLE YIA SYSTEM ONLY Approved for Release: 2024/06/11 C05025498

Approved for Release: 2024/06/11 C05025498 IV - CONCLUSIONS: 1. Ocean Sumullance, as a Namy Formering and a combination of programme, whole or in part will have do develop in an exolordornary manner over a number of yours 2. It is never thating famoble and through - propages suggest as will - to part available movement to work and produce wought Tangible poulds in the name of Com. Survellance as soon, as this can be achieved without elarnor cost or offert. 3. Program C appeare to be one of a number of polantially compostable recourse for such a propose. 4. Clotinity in ODNAV at powent is not engaged in personing the endy aday dadron of Program C to ocean primile-I- RECOMMENDATIONS: 1. Using The Program C Tachmine Christing Brown (TOG) as a point of shyparture Op-32 and Op-52 establish a Nary-only Those force to collaborate with Program C and derice an outline plan for enterfacing Program C with accan Surveillance - in policy, command superty reguments til tasterny, processing And theseron ater, entergration on the other products and systemo, etc.

Their task force abouted

2. Concernantly, A review and recommend any reservery changes in Nany organizations which wanted the required to displace to such a plan. Consider body, Shore Catablishment and Itert pretentable the focal points on Washington, LINTIET, and PARELT.

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