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E-73....Review of Nor History preparatory to D-KNSA/PME-106/NRL(7000) T Galekgind [Even though NSA was a partner in the POPPY program, their participation was feeble and they failed miserably to exploit the data and the operational tasking of the program. It was a source of considerable embarassment to them that in the last three years as an example, could take the same data that they received and the difference in results were unbelievable ... NSA never to this day was able to isolate and locate antomatically, any emitter unless it scanned in 360° manner...this eliminates all the SAM and ABM emitters and thus they hade to use extensive manual isolation techniques to treat even these highest priority signals. In explanation of this dilema I can only say that in the late-66 Harry Davis Review of the ABM capability in the overhead programs, NS& must have made a committment to a system other man POPPY. This is reinforced in two ways: (1) significant development of the POPPY processing effort at the Fort following (1966) were not evident and (2) the shift talent to of the their best in 1969 indicated a greater need for this specific talent in a program what was conceived in late '66 or early 1967. Thus one I can see that NSA (1) did not exploit POPPY (2) did not aggressively undertake their processing responsibilities, and (3) suffered by the limited success of the overseas POPPY onsite There prevails to this day a deliberate mandate processing. that NRL will not be allowed the opportunity to embarass NSA by doing well a job that/XAEn have been unable to do. Thus in the Fall of 1971 NSA () made the firstx significant attempts to "Get onboard"the POPPY Processing effort that NRL had deployed to the sites. This effort had many manifestations and some of them were joined by CDR and these exchanges are documented by They culminated a year later when the SPO under took the POPPY "On-Line" software development away from NRL and gave it to of 💡 the SPO/ ... this was brutal, premeditated and served to delay the software package by at least six months, even if the plan for development was changed only slightly. This climate of denying NRL any possible software opportunity extends to the present issue of Control Computer where

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is to have the

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every effort has been made by the SPO () to pass the responsibility

collection and processing job (Hardware design and software design) inte-

been strong indications in this direction for over 6 months since the

for the entire (Integrated) software effort to the contractor.

grated at the TRW scene and not at the NRL in-house arena.

of the SPO.

an ever recurring suspicion that the wish of

From Lay Ibl

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2。 the Program started with the 7-month study, the request by Capt to disclose how our technology and that of the P-11 could be adapted to serve on only Ocean Surveillance but the entire spectrum of Tactical ELINT collection and Processing. From the Capt request we broke out an advance portion of our 7month study and disclosed it to the Community 5 months ahead of time and it was known asNSA had knowledge of this about a month or two after it was given to Capt Our processing plan was not different from POPPY except that we intended to take fullest advantage of the potential for "Real-time Geosort" a technique that still has received only passing notice by the NEA sponsored Software Studies and by the TRW winner of the competition. This is one of the most significant advantages of the TRIPLET and it is dormant to date. 3. The message from McLucas to Geiger, Herman and Bradburn of 29 Feb 72, into motion.... The JOINT PROGRAM PLANNING GROUP under set

nad NRL Participation (Pete and Mayo) NSA (_____ with _____ and _____ and _____ in the background, Aerospace ______,

Philosphically speaking NSA's participation was inconsistent. They aggressively supported the "Fine Frequency"parameter measurement in 3 bands which finally collapsed of its own stupidity and in support of their recognized Secondary Mission little of substance was done until about/December[&] 1972 when the 8 bands were increased to 17. SLM option was raised in answer to the SALT verification issue and not NSA's Secondary Mission. Had this option received even half as much support from NSA in the Joint Prog. Planning Group as they expended or Fine Frequency option, it would have been included in the Mission Technical description.

4. Budget participation by NSA during this Joint Prog. Planning Session which lasted for three months, was limited to a single sheet of paper written in longhand and totaled to about _____Million through FY-78 and had _____ in FY=74 as an example. The logic supporting this was ROM and that NSA wanted one-third of the Action for was stated by and if it were going to cost 🚛 Million for the entire Program their Software cost \$X Million share should apporoach and afterall this programs software would be close in cost to the same ammount. Near the end of the 3-month Joint Program Planning period, NSA made 5。 a positive step to draw the line of responsibility between NRL and NSA at the receiver output Terminals; thus they were funding the collection MANNCluded svstelle tennas and the receivers. UNLI eleven computers pl_____ o already in the POPPY EDNTROD, Million. \$8 M for Telemetry anApproved for Release: 2024/06/14 C05026407e -2Approved for Release: 2024/06/14 C05026407

estimate bears little resemblance to todays it was inflated to reach one/third of the overall truth as we. / cost and then expanded in area of responsibility to give credence to thes excessive claim for cost. Truth has filtered into NSA cost estimates by many mechanisims unknown to me but Dr. Hall was one of them I'm sure. Accompanying this reduction in cost estimates for NSA's share of there has been a retrenchment in their/area of responsibility...no longer does their claim extend to the "Receiver Output Terminass" so we have an areax of responsibility that is not funded. Realistically I believe that the initial NSA claim to it was invalid and without significant precedent but my voice would not carry-the-day in the arguments which occured ov er this in May and June of 1972. and finally granted that NRL would design the collection system for the sites and build a Prototype....thus we kept our team in the ball game, accepting NSA's wish to fund this portion of the effort as well as the more reasonable Processing part. I'm sure that has many precedents to draw from in accepting this logic in the first budget submission for but Cost sharing Plans evidently were not honored or inadequate for the need.

6. Sôme of the Basic Fundamental Goals for have seemingly been erøoded away over the last 1½ years: mmäxxhæxxxx (1)/make it a Ford NOT a Cadallac and (2) Make fullest use of Existing Resources.from POPPY.

In addition to these concerns there is one that challenges the heavy emphasis on NRL supporting 4-Plane system when only the 2-Plane system is approved. So far we have agreed only to (1) spending SPO \$ on CSC contractor effort to (2) take what ever documentation exists without changing our prioritization and build a Bid Package again with CSC. On thexmemory contrary, we have not hired any new personnel nor employed existing personnel in any significant way to support the 4-Plane system. Not that we do not believe in it, but because it is not approved. Perhaps SPO overemphasized their point here and we fell back too far to counter their seeming lack of First and Highest concern for Design and Development of the Ol-series. We are committed to a schedule and a Budget for Ol and we will not dillute this for what might happen in X-com in November.



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