

1. NRL Team. Besides   & Mark

~~SECRET~~ [ ]  
 Areas of endeavor which [ ] could be undertaken at HRB which could bear significant "Payoff" program-wise:

I: Since NSA has not seen fit to publish much from the results of 7105 should we through NRL & HRB efforts, attempt to draw from the limited supply of tapes which the Fort has made available or else from domestic observations made at State College, significant facts concerning the capabilities of the platforms to:

- A. [ ]
- B. Compare the Standard versus [ ] where available?
- C. Ascertain the most optimum [ ] where a variety have been demonstrated?
- D. Evaluate the capability of [ ] options for guidance on operationally tasking it in the future?

NOTE\* Some of these programs like BIT have a regular Madison Avenue Public Relations approach to their meager results and system performance capability. It seems that in the absence of NSA product we must get this Program before the community for recognition when ever possible. I merely point out that HRB has some tape where evaluation can be made with definite goals in mind and short summary reports written for both NRL use in future design as well as community use in future operational utilization of the versatile options which will be available.

II. Standard evaluation of the ELINT side of the program on a weekly basis has not been undertaken. NRL is cyclicly blind to all but the job of building or designing the new systems when the older ones are being used poorly or not up to the full capability...Payload quality control or calibration is a large/area <sup>important</sup> particularly with [ ] as a new system. Turn-around times in the flight systems can change and are never checked.

III: The new flight philosophy of four in a much tighter grouping leaves an enormous probability for experimentally determining the most optimum operational deployment and utilization. For the first time the [ ]  
 [ ] If this should exceed the NSA ability or for other reasons be of no interest to them, the fact that the capability will exist is reason enough for us to foster a plan of analytic action which will make the fullest use possible of the technique. Suggest possible Gross utilization of data similar to that density count used so long ago. There may be other highly significant techniques such as in a gross manner separate out only those portions of the spectrum where there is a vast change from week to week and use this as a timely indicator where to task during the following period. For instance if the portion from [ ] has a sudden drop in data density it should indicate either the spectrum is being vacated or else the payload in use has for some reason lost its ability to intercept the signals one is accustomed to in this band. This ability for [ ] is an extremely fine QC tool for payload evaluation, ~~if not~~ for a Tasking tool. ~~SECRET~~ [ ]

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 CONTROL SYSTEM ONLY

III(continued) ~~SECRET~~ [ ]  
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An evaluation of the various factors which determine the best compromise for deployment of the payloads relative to each other is of great importance now.

IV. It would be highly desirable for the computer in [ ] to be able to digest the Telemetry data which provides the attitude information so that [ ]

V. It would be useful in the possible critical event when thrusting must be done only when the platform/~~xx~~ thrusters are aligned with the flight line; a contemporary problem on [ ].

VI: Discemination of the UNKNOWN FILE is one of the suggested means of discovering the identity and discerning the model of the emitter. It might be possible that HRB has experinece or talent in this area. Dr. Perry is the classic example at this time.

VIII. Resident Engineer [ ] should be under consideration. Housing is as tight there as at [ ]

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HANDLER S/S  
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