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29 January 1968

~~SECRET~~ - EARPOP - BYEMAN CH ~~Control System~~Factors for consideration in digital site selection1. Training and manpower utilization.

Requirements for maintenance, programming and operation of the computer/digital complex installed at [] is unique to the Navy and there are no existing programs from which to draw qualified personnel. Additionally, the program has not yet reached sufficient magnitude to establish schools and/or training program directed to the specific required qualifications. It follows then that in order to fulfill the requirement, personnel with appropriate background are selected and sent to HRB Singer and/or SEL factory for orientation. The major portion of the qualification is then satisfied through on-site on-job training. With only one site requiring this special training and the service's policy of rotating personnel, when the normal tour of duty is completed, the trained personnel will obviously be transferred to stations not requiring their special qualification and the training of new personnel commences.

The above problems are applicable to all services and with the current problem at hand if a digital/computer complex is installed at [] the Army would suffer the same growing pains that the Navy suffered at []. Both services (Army and Navy) would have the problem of training personnel only to be subsequently transferred to a non associated billet. However if the second complex is installed at a [] site in the Pacific, the trained personnel currently at [] could be made available, thereby minimizing the time required for development of full operational capability.

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If a third complex were to be installed at a Navy site a personnel pipeline could be established and permit trained men to be utilized through normal rotational transfers.

2. Personnel Programming

All SISS ZULU personnel (all services) are programmed for and allocated from the CCP (Consolidated Cryptologic Program). Anticipated increases are initiated by the SCA's on an annual basis and submitted to DIRNSA for approval prior to submitting to the OSD. The lead time required for proposed changes is approximately two years. In anticipation of increased operations a proposed increase of manning at all [] Navy sites was submitted for FY69 in November 1966. The increase has been approved and will be effective 1 July 1968, and is considered to be adequate to support the digital/computer program (it is not known but it is doubtful that the Army has programmed similar increases).

3. Space Requirements

Both [] currently have adequate space to install the entire digital/computer complex. The SISS ZULU spaces available at [] is inadequate plus a Project [] position (3 equipment racks) is sked for installation by NSA in near future.

4. For efficient collection operations it is highly desirable to have an interrogation capability co-located with the digital/computer complex so that in the event the payload arrives in a reset condition it can be re-interrogated. This is particularly true when the payload is commanded in the delay mode by []

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On several occasions [] has interrogated 7105 in the delay mode and due to unknown causes, the payload has reset, and arrives in the [] area of intercept in this condition. By the time [] "sees" the payload to re-interrogate, it has passed over [] and it is on the way out of their area of intercept. Both [] have interrogation capabilities. With space limitations at [] installation of interrogation position would not be feasible.

5. A chart showing circles for probable area of intercept (3000 mi) for the [] Navy sites indicates a near 100% coverage of intelligence target area.

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