

TO : Mr. Kirby  
SUBJECT: HARVEST Maintenance

1. A meeting was held on 8 December in regards to contract maintenance of the HARVEST complex. Members of MPRO-03, MPRO-4 and ANEQ-1 were present. The notes of this meeting are attached.

2. The present PD for HARVEST calls for six months contract maintenance for one shift only to become effective after the system is considered to be fully operational and acceptable to NSA. Amendment of the PD to increase this contract maintenance period would be very difficult. If it is decided to have additional contract maintenance a separate contract will have to be negotiated.

3. These are a number of possible courses of action that may be taken. These are:

a. Discontinue the ATLAS I and II equipments as early as possible to release billets for HARVEST. If this is done, MPRO-4 could phase personnel into the the project in sufficient time for training and to take over the maintenance period. This would cost the Agency the least amount for maintenance and would make space available for HARVEST, but it would also reduce the Agencies computer capability until such time as HARVEST would become operational.

It should also be noted that this course of action would discontinue equipment (The ATLAS) that is already bought and paid for.

b. Do not discontinue the ATLAS equipments and PROD or NSA outbribe 16 billets for MPRO-4 for maintenance of the HARVEST system. This would allow MPRO-4 to hire new personnel into the Division immediately. If this were accomplished now new personnel would be trained on existing Agency equipment and would release highly qualified experienced personnel for training on HARVEST. In

this manner MPRO-4 would still be able to take over the maintenance of HARVEST at the expiration of the six month maintenance contract. There would be the additional cost of the 16 personnel required. This would still be less than the cost of contract maintenance. However any delay in authorization of billets and hiring of personnel would necessarily require an additional period of contract maintenance until such authorization is given MPRO-4. It should be noted that the problem of finding space for HARVEST arises in this plan, but that the Agency still retains the ATLAS I and II computers capability.

b. Do not discontinue the ATLAS equipments until HARVEST is fully operational that is at the time when contract maintenance begins and do not authorize additional billets for MPRO-4. This would entail the need for contract maintenance for a longer period of time. An additional contract for a period of one year would probably be sufficient. This would give MPRO-4 sufficient time to phase personnel into the HARVEST program for training. MPRO-4 would then be in a position to take over the maintenance responsibility of HARVEST at the end of all contract maintenance.

4. All of the above courses of action require contract maintenance for the mechanical portion of the tractor system amounting to \$135,000 per year.

5. The following are cost estimates of maintenance for one year for each plan including only parts and personnel and excluding the six month one-shift maintenance contract indicated in the PD.

PLAN	MPRO-4	CONTRACT
a	\$192,000	\$135,000
b	\$192,000	\$135,000
c	none	\$495,000

These figures are only relative and not exact as they were computed using present contract costs listed in the IBM catalog.

6. In addition to the above there will exist a rental contract for peripheral equipment.

F. V. COSTANZA  
Major, USMC  
Chief, MPRO-4