

MPRO

12 December 1958

MPRO-4

**HARVEST Maintenance**

1. A meeting was held on 9 December in regards to contract maintenance of the HARVEST complex. Members of MPRO-03, MPRO-4 and ANS1-1 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. There 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 (within one year) to release billets for HARVEST. If this is done, MPRO-4 could phase personnel into the project in sufficient time for training and to take over the maintenance responsibility at the end of the six month contract maintenance. 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 that is already owned by the Agency.

b. Don not discontinue the ATLAS equipments, but either PROD or NSA authorize sixteen (16) billets for MPRO-4 for the maintenance of the HARVEST system. This would allow MPRO-4 to hire new personnel immediately. If this were accomplished now, new personnel would be trained on existing Agency equipment and would release highly qualified and 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 for the salaries of the sixteen (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 computer capability.

c. Retention of the ATLAS equipments are retained until HARVEST is fully operational and if additional billets are not authorized for maintenance, then extension of the contract maintenance is necessary. Another maintenance 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 the contract maintenance period. The problem of finding space for HARVEST arises in this plan.

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

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

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

These figures are only relative and are not exact as they were computed using present contract costs listed in the IBM catalog for 700 series equipments.

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

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Incl

cc: NPRO-03  
NPRO-41  
AMR-1