545 TECHNOLOGY SQUARE, CAMBRIDGE, MASSACHUSETTS TELEPHONE 491-6300

CAMBRIDGE

INFORMATION

SYSTEMS

LABORATORY

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Dear Mike:

The following paragraphs will endeavor to recap our discussion of 1/19/68 concerning the equipment swap on the GE 645 System. The large diagram attached shows the ultimate equipment configuration to provide a 256 K, Ø B MIT System and 128 K Ø A GE System. This is as you know the result of Multics Trinity discussions.

Listed below are event's by date they can occur at Technology Square however, these plans must be integrated with those of the software development effort so as to minimize the impact on Multics.

Event

DATE OF EVENT AT TECH. SQUARE

1.

February 19

On or around 2/16 Syracuse can ship:

1- DS10 Data Products Disc

1- DDA 600 Adapter for GIOC B

1- CAB 601 with 64 K of Memory

To accommodate the disc, it will be necessary to move Processor A, Processor B, and the clock closer to the Fire Hose Drum. The move will actually require sliding the units back some as well, to avoid interferance with a pillar. This should provide adequate space to place the DS10 between the clock cabinet and G100 B. Forty (40) ft. cables are being furnished to reach the currently installed DS10.

The DDA will be installed in GIOC B where harnesses are already in place. There would be no problem in this area.

The CAB601 with 64 K of memory will replace one of the MM 8030 Memory controllers

now installed and provide 256 K with 3 controllers. This will require some shuffling about on our part to maintain an acceptable controller arrangement but the cabinets are movable on their own casters. It will probably be best to shuffle these memories, while we are moving the processors and clock since the system will be down at that time anyway.

The existing DS20 sybsystem should be ready for release by February 28th. Plans should be made depending on K3 successes.

<u>April 8th</u>

On or around April 5 the following can be shipped from Syracuse.

1. 6 - 75 ft. clock/memory cables

2. 2 - MTH 301 Tape Handlers (maybe from Phoenix)

3. 1 - CAB 601 with 64 K and \$\text{\$\text{\$\geq}\$} \text{clock.}

If the two tape handlers arrive before or after this time it makes no difference. In any event they should be added to the existing tape complement in the positions you desire. Adequate 1/0 and power cables are included.

The 75 ft. clock cables are to relocate the currently installed Model A clock to the spot on GIOC A where Memory F External now resides.

Shuffling will be as follows:

- (1) Place new CAB 601 into 256 K memory configuration releasing 1 MM8030 memory controller (64K).
- (2) Use this released MM8030 and Memory F external to build 128 K memory and place where clock now stands.
- (3). Move clock to GIOC-A area and fill spot vacated by Memory F external.

MIT System now has 256K on two MM8030 controllers conveniently positioned. GE System has 128 K on one controller.

System may now be partitioned since during this move the MTC 404 tape controller will be modified to allow manual direction of operator initiated special interrupts.

<u>June 3</u>

During the week of June 3 we plan to update all the communication modules in

GIOC-A. Since GIOC B is the one scheduled for swap out for \emptyset B the other GIOC must be updated in advance of this swap.

IV. July 1

The following equipment can be shipped from Syracuse on or around 6/28.

1- ØB Processor

1- ØB GIOC + Adaptors

1- MM8040 Memory Controller (64K)

This is a plain swap out. One MM8030 will be removed and an MM8040 replaces it. This controller will interface with the MOD B clock previously provided in one of the CAB601's.

The ØB processor will replace Processor A and the ØB GIOC will replace GIOC-B.

All other equipment will remain as is, at this time.

Because of the number of new cabinets being received at this time it is suggested that all cabinets leaving the site be removed on the previous day or evening and temporarily stored in the basement corridor. This will greatly facilitate moving in the new gear.

At this point in time MIT now has a ØB 256 K system.

<u>V.</u> <u>July 22</u>

On or about July 19 the following can ship from Syracuse.

1- CAB 601 with 64K and a Mod A clock

This 601 cabinet will replace the additional memory on the GE 128 K system and the installed 64 K returned to Syracuse. The clock now configured with GIOC A may also be returned.

Here again rigging and trucking costs may be reduced by removing the clock and memory the day before and staging them temporarily in the basement corridor. The trucker should be capable of picking up the returned equipment at this time.

VI. August 12

Any time after August 9 we would like to replace the currently installed Fire Hose Drum Controller with a ØB version.

There is no hurry on this but it should be a simple swap and to retain MIT/BTL compatibility should be done ASAP after 8/9.

I realize this is a long and involved process. If you have any suggestions which could simplify the situation please let me know.

I have attached rough copies of floor plans by date for your information.

Weston J. Burner Account Manager

nocodire manager

Attachment