

INTERDEPARTMENTAL

MASSACHUSETTS INSTITUTE OF TECHNOLOGY CAMBRIDGE, MASS. 02139

from the office of Information Processing Services

February 17, 1970

To: Multics Administrative Meeting Group

From: J. M. Grochow

Subject: Moving the GE-645

Moving the GE-645 from Technology Square to Building 39 will result in significant savings to the IPC in providing the Multics Service. It will simplify operational control and also centralize all IPC machine installations. There are, however, several problems associated with this move that need to be considered:

1. What impact will such a move have on the Multics Development Group?
2. What is the optimal date for such a move and when should planning commence?
3. Will the current placement of the IBM 7094 and plans for its removal impede the GE-645 move?
4. Do budget savings of \$100,000 per year (about 12% of the total operating expenditure) invalidate all of the above considerations?
5. Does Project MAC need the ninth floor space in the immediate future?

A preliminary discussion of these questions will take place at the meeting on Thursday, February 19th.

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February 17, 1970

To: Multics Administrative Meeting Group

From: J. M. Grochow

Subject: Agenda for the Meeting of February 19, 1970

Status Reports: Daley, McManus, Ryan

1. GE-600 software package implementation under Multics
(from 2/12).
2. Machine Move: Schedule for moving the GE-645 to Building 39
(from 2/12)
3. Secondary Storage Discussion: Van Vleck, Burner
4. Contract Status Report: Grochow

Pending: Guidelines for Non-MIT Multics users: Scott
Console Standards Proposal: Saltzer

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from the office of Information Processing Services

February 13, 1970

To: T. H. Van Vleck
H. Nye - G. E.

From: J. M. Grochow

Subject: Request for 300-Baud Communications Adapter for the GE-645

There are currently installed or on order communications adapters for the following speeds:

- 110 baud - Model 35 tty, etc.
- 133 baud - 2741, 1050, etc.
- 150 baud - Model 37 tty, Terminet 300, etc.
- 1200 baud - ARDS, etc.

There are two terminal types currently being investigated by Project MAC that allow transmission at the speed of 300 baud. These are the Terminet 300 and the Execuport. No other MIT group is currently known to have any of these terminals.

There are several questions that I would like answered to help in formulating my recommendation for the order of a 300-baud communications adapter:

1. What are the capabilities of the GE-645 GIOC regarding number and speed of the devices that can be used simultaneously?
2. Does the current or future use of 300-baud terminals in and around MIT warrant providing this service on Multics?
3. Would the "console dialup time" charge for these high speed terminals be prohibitive?
4. How many terminal channels could be provided on one communications adapter?

If there is any other information that you can provide that you think would be useful, I would appreciate that also.

cc: Multics Administrative Distribution

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from the office of Information Processing Services

February 13, 1970

To: Multics Administrative Meeting Group

From: J. M. Grochow

Subject: Minutes of the Meeting of February 12, 1970 (All Present)

Status Reports

McManus: Most significant problem was caused by lack of argument validation. A memorandum will be distributed describing the responsibilities of each member of the Assurance Group. Problems needing attention: What testing required before installation, what is an "emergency" fix, who should approve requests for system installations?

Daley: Softcore development proceeding well. Hardcore development slowed by involvement in bug fixing. Very bad problem with availability of Development Machine is severely hampering efforts. Plans for finishing Hardcore development in 1970.

Ryan: Electricians analyzing report on grounding problems; work will be completed when it is decided what to do.

Agenda Items

1. Secondary Storage: All DS-270's on site. 10 of 15 will be available on Monday, February 16th. Wes Burner will report next time on all 2314/DS-170 alternatives and time table. Preliminary study shows purchase price of 2314 to be \$200K; order delay for DS-170 about 18 months. Tom Van Vleck will report on secondary storage use predictions.
2. Non-MIT Multics Users: RADC proposal in first draft stage. Desired status of other ARPA users is to have MIT faculty sponsor; in particular, Massachusetts Computer Associates has initiated a request for Multics time. Sponsors will be looked into. Bob Scott will report on establishing guidelines and procedures for such use.
3. Noise Analysis: Report of GE personnel and other recommended documentation on grounding appears to be in conflict. No RF noise problem was found but we were told to "keep looking".
4. Availability reporting on the Development Machine will take the form of a "black and white" report similar to that provided on the Service Machine.
5. Console Standards: A proposed relaxation in the requirements for 2741 terminals would involve the removal of several RPQ's from the required list. Jerry Saltzer is preparing a working paper on the problem.