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To: Multics Administrative Distribution
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From: J. M. Grochow

Subject: A 2-Processor Multics Service

Contractual obligations with General Electric require us to provide a two-processor, 384K-memory Multics Service at some point in the not too distant future. In order to ensure that all equipment is in proper working order, and that the Multics software does not have some lurking bugs, I intend to act on the proposal of running the Multics Service with all equipment on a regular basis.

There are several manifestations of this statement:

1. A 384K Multics has never run successfully for very long.
2. A two-processor Multics has run successfully but only with a light load (work is proceeding in this area).
3. A two-processor, 384K Multics has also never run for very long.
4. Using all equipment means that the Development Machine is unavailable during that period.
5. Using all equipment means that normal Development Machine PM time cannot be given to Field Engineering during that time.
6. At least initially, user service is likely to be spotted with crashes when running a full equipment Multics.

In light of the above, I suggest the following:

1. That time be scheduled for further checkout of 384K problems.
2. That Fridays be set aside for running all equipment Multics Service beginning February 20, 1970. Initially, a two-processor configuration will be brought up until we are sufficiently confident of a two-processor, 384K configuration. The system should be brought up at 0500 and run with the full configuration until 1900.
3. That Field Engineering PM time be so scheduled that only equipment that can be serviced off line will be needed by them on Fridays.
4. That Roger Schell's instructions on running a two-processor configuration be updated to include information on running with all equipment and published as an MOSN.

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5. That monitoring experiments be planned in advance so that we can be sure of adequate analysis of the performance of Multics with the additional equipment.

I would appreciate your comments as soon as possible so that we may set up a schedule agreeable to all. Thank you.