To: Multics Administrative Distribution

From: R. C. Daley

Date: February 18, 1972

Subject: Multics Load Control Groups

At the Multics planning meeting of February 17th, a
number of measures were agreed to, for the purpose of im-
proving Multics availability and response to paying users.
The most significant of these measures is the use of load
control groups to place limits on system use by non-paying
users.

As of February 22, the following load control groups
are to be established.

1.   The "System" group will consist of those
      projects essential to the operation of the system
      (e.g., Daemons and administration).

2.   The "Development" group will consist of all projects
      associated with the Multics development activity.

3.   The "Non-billable" group will consist of all
      other non-billable projects (e.g., IPC and PDO).

The System Group

The System group will be allocated 4 primary load units
with an absolute maximum of 5 load units (i.e., allowing
1 secondary load unit). The single secondary load unit is in-
tended for the purpose of system metering until the metering
function can be incorporated into the system control process.
The System group will consist of the following projects.

         SysDaemon
         SysAdmin
         SysMaint

All system Daemons will count as one load unit each
(some are now rated as 1.5). The backup interval will be
changed from 5 hours to 3 hours to reduce the load of backup
on the system. In addition, only one I/O Daemon should be
in operation unless the print backlog clearly indicates
a need for both printers (e.g., over 2 hours backlog) and
operations will run segment migration, catchup dumps and
retrievals only between the hours of 10 p.m. to 10 a.m. or
on weekends.

The Development Group

The Development group will be allocated 15 primary load units with an absolute maximum of 15 load units. Until March 1, the maximum load units will be set to 19 to allow time for the development group to reorganize its system usage within the new framework. The Development group will consist of the following projects.

    Multics
    SysLib
    MPM

The users of the MPM project will be set up as LSS (Limited Service System) users and given load units ratings of .5 load units. A special command to allow easy use of runoff within an absentee job will also be prepared.

The Non-billable Group

The Non-billable group will be allocated 1 primary load unit with an absolute maximum of 6 load units. The maximum will be reduced to 4 on April 30th as the Phoenix project becomes a paying customer. The single primary load unit is to be allocated to Consultant.IPC and is to be used only during the hours 2 p.m. to 5 p.m. on weekdays. The Non-billable group will consist of the following projects.

    IPC
    IPCdemo
    IPCUS
    IPCAD
    PDO
    Operator
    GEFED
    Terminals
    Phoenix   (until April 30, 1972)

Note that the IPS project is not included in the Non-billable group as IPS is in fact a billable project.