

TO: Multics Performance Log

DATE:

FROM:

SUBJECT: Multics System Performance Certification Record

I Variable settings: operating system

System being certified:

Certifier used:

Script used:

Number of processes used:

Typewriter output: Yes No Number of lines output:

System Segment Table Size:

Number of permanently wired pages:

Maximum number of processes eligible for multiprogramming:

Maximum number of processes which may be loaded:

Scheduling Quanta, starting with highest-priority queue:

1. _____ 2. _____ 3. _____ 4. _____ 5. _____ 6. _____

II Hardware configuration

Amount of Core Memory:

Number of processors:

Firehose Drum: Yes No

Disk Yes No

Installation used:

Date of Certification run:

Time of Certification run:

III Other factors expected to influence measurements:

Certification of System:

IV Measurements

a. CPU time breakdown	during process creation	during command sequence	total
1. Time used by subject processes			
2. Time spent loading processes			
3. Idle time due to eligibility control			
4. Idle time during page waits			
5. True idle time			
Total CPU time charged	_____	_____	_____
b. Real time required to perform certification:			
c. Breakdown of CPU times used by subject processes			
1. Missing-page fault time			
2. Missing-segment fault time			
3. Linkage fault time			
4. Wall crossing fault time			
5. Interrupt handling time			
6. Non-fault time			
Total	_____	_____	_____

Certification of System:

d. Fault times and number

Process Creation	missing page	missing segment	Linkage	wall crossing	Interrupt
average fault time					
number of faults					
command sequence					
average fault time					
number of faults					

e. Average times seen by a process

1. Average real time for completion of a process:
2. Average process creation time:
3. Average time for execution of command sequence:
4. Time for CTSS to execute same command sequence.
5. Performance relative to CTSS (#4/#3)

V Output of original run may be found in file labeled:

VI Comments: