TO: Multics Performance Log

FROM: J. H. Saltzer

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to

SUBJECT: Summary of Performance Improvements from installation of

mini-shell

- Number of unwired pages touched upon execution of the "nothing" command (not including first-time linking) is 26. A precise measurement of pre-minishell environment is not available, but was estimated to be over 40 from ready message experience.
- 2. CPU time in process creation is changed from approximately
  - 7.4 sec. non page time + 1.7 sec. paging to
  - 3.7 sec. non page time + 1.0 sec. paging.
- 3. Time required to type out a line is changed from:

21 ms + 0.5 ms/char (write\_out under full shell)

9 ms + 0.5 ms/char (tio\$write string under mini-shell)

4. Time required to execute 'FORTRAN Prime' Script from PDP-8 users simulator has changed as follows:

	before	after	change
	mini-shell	mini-shell	
non-page time per interaction	775 ms	675 ms	-100 ms
page time per interaction	565 ms	475 ms	-90 ms
total cpu time for Script	89 sec.	75 sec.	-13 sec.
total page faults	<b>~</b> 5 000	~4200	~~800
page faults per interaction	70-75	62 - 63	~10