TO:

Distribution

FROM:

George T. Williams

DATE:

April 13, 1978

SUBJECT: Installation of MSS 33.4

I. SYSTEM CHANGE LOG

MCR MODIFICATIONS FOR MSS 33.4

- 3187 Fix several bugs in the command processor related to nested iteration sets, iteration sets within active functions, and semi-colons in active function return values. Also modifies the command processor to make more efficient use of temporary segments.
- 3153 Hardcore support for static stack frames for FORTRAN I/O
- 3150 Hardcore support for PL/1 STOP statement and PL/1 run units.
- 3198 Fixes the page control get file map primitive / volume dumper problem.
- 3183 Stop write_page from nulling wired pages.
- 3199 Do not report incore non-modified null pages to the VTOCE. Consider these pages not to exist at update-vtoce time.
- 3179 Fix the 'cam' instruction in evict_page which clears the evicting processor's associative memory of PTW's to clear the cashe as well. This particular instruction is rarely used.
- 3180 Fix 'arithmetic' arithmetic instructions by replacing them with 'logical' arithmetic instructions in ALM page control, such that SST's larger than 128k do not cause overflow faults in the depth of the supervisor. This affects about 10 instructions.
- 3181 Update segment DTCM from hardware bits on request. (Should allow dump maps and things to be deleted after printing).

Multics Project internal documentation. Not to be reproduced or distributed outside the Multics Project.

II. SEGMENT CHANGE LOG

SEGMENT NAME

BOUND SEGMENT

command processor .pll	R	bound command loop
device control.alm	R	bound page control
evict page.alm		
page Fault.alm		bound page control
pc.pΓ1		bound page control
pc recover sst.pll	R	bound page control
pc_wired.pll	R	bound page control
plT operators .alm		bound sss wired
post purge.alm	R	bound page control
vtoc_attributes.pll	R	bound system faults

INC LUDE SEGMENTS

ptw.incl.alm	F
ptw.incl.pll	R
stack frame.incl.alm	F
stack frame.incl.pll	R
stack header .incl.alm	F
stack header .incl.pll	R