

Saltzer

TO: Distribution  
FROM: George T. Williams  
DATE: April 26, 1977  
SUBJECT: Installation of MSS 30.12

### I. SYSTEM CHANGE LOG

#### MCR MODIFICATIONS FOR MSS 30.12

- 2342 Removes gate entries which allowed users to bypass Ring-1 NCP administration.
- 2424 Changes validation procedure in NCP so that ring-1 processes may now login via the network without destroying pseudo-TTY's.
- 2425 The process type to daemon start\_up exec\_coms will now be 'daemon' rather than 'absentee'; many user and user\_info procedures will now work in the process. These include: process\_type, line\_type, service\_type, term\_id, term\_type, device\_channel.
- 2615 Modifies the system to allow more than 4 CPU's. this is a software mod to support hardware modifications.
- 2593 Changes a cache parity fault message. The new message correctly reflects the error condition.
- 2536 Allows system shutdown with inoperative disk drives.
- 2476 Improves the page control program which manages the free record maps for storage system volumes.
- 2478 Improves various page control error messages.

---

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

## II. SEGMENT CHANGE LOG

SEGMENT NAME	BOUND SEGMENT
act_proc.pl1	R bound_process_creation
demount_pv.pl1	R bound_disk_util
disk_control.pl1	R bound_page_control
disk_emergency.pl1	A bound_disk_util_wired
emergency_shutdown.aim	R -
free_store.aim	R bound_page_control
fsout_vol.pl1	R bound_disk_util
hardcore.header	R -
hardware_fault.pl1	R bound_error_active
init_pvt.pl1	R bound_temp_1
ncp_access_.pl1	R bound_network0_
ncp_control_.pl1	R bound_network0_
ncp_error_.pl1	R bound_network0_
ncp_status_.pl1	R bound_network0_
ncp_util_.pl1	R bound_network0_
net_ring0_user_.mexp	R -
page.aim	R bound_page_control
page_error.aim	D bound_page_control
page_error.mexp	A bound_page_control
page_fault.aim	R bound_page_control
pc.pl1	R bound_page_control
prds.cds	R -
process_overseer_.pl1	R bound_command_loop_
pxss.aim	R -
scas_init.pl1	R bound_temp_1
scr_util.pl1	R bound_active_1
scs.cds	R -
scs_and_clock_init.pl1	R bound_temp_1
seg_fault.pl1	R bound_system_faults
shutdown.pl1	R bound_file_system
start_cpu.pl1	R bound_hc_reconfig
stop_cpu.pl1	R bound_hc_reconfig
tc_init.pl1	R bound_init_1
template_pit.aim	R -
vtoc_interrupt.pl1	R bound_disk_util_wired
wired_shutdown.pl1	R bound_tc_wired

## BIND SEGMENTS

bound_disk_util_wired.bind	R
bound_page_control.bind	R

## II. SEGMENT CHANGE LOG (continued)

## INCLUDE SEGMENTS

apte.incl.alm	R
apte.incl.pl1	R
cmp.incl.alm	R
mc.incl.alm	R
mc.incl.pl1	R
null_addresses.incl.alm	R
null_addresses.incl.pl1	R
rsw.incl.pl1	R
scs.incl.pl1	R