

TO: Distribution  
FROM: George T. Williams  
DATE: November 9, 1977  
SUBJECT: Installation of MSS 32.4

## I. SYSTEM CHANGE LOG

## MCR MODIFICATIONS FOR MSS 32.4

- 3034 Fixes a bug in rcp\_check\_attach which caused it to fail during reloads, etc. when the directory or entry >scl>rcp>workclass.acs were not all there.
- 3029 Fixes bugs in ioa\_error reporting and ios\_signal\_error handling
- 3031 Fixes a bug in rcp\_tape\_ which caused erratic behavior when mounting a blank tape.
- 3045 Changes rcp\_tape\_ so that it correctly handles tape errors which make a tape unreadable, such as mounting a 7-track tape on a 9-track drive. It will now specify that the label is 'unreadable'.
- 3042 Fixes some bugs in the command processor relating to
1. Nested parenthesis
  2. Argument storage allocation
  3. Semi-colons in active function return values.
- 3021 Fixes some MR6.0 locking hierarchy bugs:
- a. change locking order in dbm\_man\$update\_map\_from\_ast to lock AST before dbm\_seg;
  - b. Change dumper's bit map lock event-id to "dbm\_ "
  - c. change system\_free\_seg lock ID to "free".
- 3036 Put any\_other handler in the recursive ring\_zero invoked salvager driver, aborting subtree processing on any signal (after calling verify\_lock).
- 3028 Upgrade (robustify) the diskdim bad-channel policy.

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## I. SYSTEM CHANGE LOG (continued)

## MCR MODIFICATION

- 3033 Have the directory salvager change all bad author names to "Salvager.SysDaemon.z"
- 3032 Correct the sst.incl.pll segment.
- 3023 Fixes some buggy code in free\_store.
- 3024 Change the traffic controller to load the ring alarm register when a process attempts to give itself away in get\_processor. This is the standard policy used in other parts of the traffic controller.
- 3035 Check the order of the MEM cards against the port address assignment switches. Do not allow the system to come up if it is wrong (issues an appropriate error message).
- 3038 Fixes rebuild disk to allow rebuilding in-use disks.

## II. SEGMENT CHANGE LOG

SEGMENT NAME	BOUND SEGMENT
active_hardcore_data	R -
command_processor_.pll	R bound_command_loop_
dbm_man.pll	R bound_hc_backup
disk_control.pll	R bound_page_control
disk_rebuild_caller.pll	R bound_mdxdx
free_store.alm	R bound_page_control
initializer.pll	R bound_active_l
ioa_.pll	R bound_command_loop_
ios_signal_.pll	R bound_command_loop_
pxss.alm	R -
rcp_check_attach_.pll	R bound_rcp
rcp_tape_.pll	R bound_rcp_
salv_dir_checker_.pll	R bound_salvager
salvager.pll	R bound_salvager
scas_init.pll	R bound_temp_l

II. SEGMENT CHANGE LOG (continued)

INCLUDE SEGMENTS

ahd.incl.pll	R
sst.incl.pll	R