

TO: Distribution

FROM: Grace Ackerman-Lewis

DATE: December 2, 1974

SUBJECT: Installation of MSS 24.3

The hardcore system MSS 24.3 was installed on Monday, November 25, 1974 at 0900. This system includes: A change to close security holes in `asd_` and `tty_write`; a fix for several locking problems in `wire_proc`; a fix to pad lines which would be truncated by the `tty_dim`; a fix for the bug which caused the `ipc_inhibit` counter to be incorrectly updated during a cutoff or a reconnect; a change to `convert_binary_integer_` to prevent fixed point overflow; a change to `acl_` to fix a bug which can cause a loop in ring 0; a change to `acc_list_` to assure correct accessing of the tag field; a change to `hash` to alleviate the full hash table problem. The system libraries were updated on Wednesday, November 27, 1974 at 1236.

#### I. System Change Log

Chng MGR

Change

- # 1394 768 Close security holes in `asd_` and `tty_write`.
  
- # 1395 687 Fix bug 287 which consists of several locking problems in `wire_proc`.
  
- # 1396 554 Fix to pad lines which would be truncated by the `tty-dim`.
  
- # 1397 816 Fix bug that causes `ipc_inhibit` counter to be incorrectly updated during a cutoff or reconnect.
  
- # 1398 798 Prevent fixed point overflow in `convert_binary_intiger_`.
  
- # 1399 850,858  
Change to `acl_` to fix a bug which could cause a loop in ring 0. A change to `acc_list_` to assure correct

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## I. System Change Log (continued)

Chng MGRChange

accessing of the tag field.

# 1400 595 Alleviate full hash table problems.

## II. Segment Change Log

<u>Segment Name</u>	<u>Bound Segment</u>	<u>Change #</u>
acc_list_.pl1	bound_file_system	R 1394
acl_.pl1	bound_file_system	R 1399
asd_.pl1	bound_file_system	R 1394
convert_binary_integer_.pl1	-	R 1398
full_ipc_.pl1	bound_ipc_	R 1397
hash.pl1	bound_system_faults	R 1400
phcs_.mexp	-	R 1400
rest_of_ttydim_.pl1	bound_command_loop_	R 1396
tty_write.pl1	bound_tty_active	R 1394
tw_write_.pl1	bound_command_loop_	R 1396
wire_proc.pl1	bound_active_1	R 1395

## III. Bound Segment Change Log

<u>Bound Segment</u>	<u>Change</u>
bound_active_1	replaced: wire_proc
bound_system_faults	replaced: hash
bound_file_system	replaced: asd_ acl_ acc_list_
bound_tty_active	replaced: tty_write
bound_ipc_	replaced: full_ipc_
bound_command_loop_	replaced: tw_write_ rest_of_ttydim_

IV. Header Change Log

There was no change to the hardcore header.