

TO: Distribution  
FROM: Grace Ackerman-Lewis  
DATE: November 12, 1974  
SUBJECT: Installation of MSS 24.2

The hardcore system 24.2 was installed at 0900 on Friday, November 8, 1974. This system includes: the addition of support for PRT303, PRU1200, PRU1600; implementation of the hardcore portion of the operators console recovery mechanism; implementation of the new syserr code strategy; fixes for bugs in syserr\_real and syserr\_logger; addition of a new copy entry for syserr\_log; a change to cause bad names and bad threads to be printed out by the salvager for examination; a fix for a bug which prohibited the use of PRTA without PRTB; conversion of some hardcore modules from version 1 to version 2 PL1. The system libraries were updated at 1033 on Monday, November 11, 1974.

#### I. System Change Log

Chng MCR

Change

- # 1389 737,738,749  
Add support for PRT303, PRU1200, PRU1600. Fix bug which prevented use of PRTB without PRTA.
- # 1390 758 Implements hardcore portion of operators console recovery mechanism. Implements the new syserr code strategy. Fixes bugs in syserr\_real and syserr\_logger. Adds a new copy entry for syserr\_log.
- # 1391 093 Convert hardcore modules from version 1 to version 2 PL1.
- # 1393 392,529,571  
Change to cause bad names and bad threads to be printed out by the salvager for examination. Change to cause reused addresses involving root or fsdct to be awarded to root/fsdct.

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## II. Segment Change Log

Segment Name	Bound Segment	Change #
acc_name_.pl1	bound_system_faults	R 1391
accept_alm_obj.pl1	bound_system_faults	R 1391
access_viol.pl1	bound_system_faults	R 1391
dir_control_error.pl1	bound_system_faults	R 1391
dir_cump.pl1	bound_salvager	A 1393
fs_alloc.pl1	bound_system_faults	R 1391
kst_entry_check.pl1	bound_system_faults	R 1391
kstsrch.pl1	bound_system_faults	R 1391
oc_data.alm	-	R 1390
oc_data_init.pl1	bound_temp_1	R 1390
ocdcm.pl1	bound_error_wired	R 1390
on_line_salvager.pl1	bound_salvager	R 1393
phcs_.mexp	-	R 1390
printer_dcm.pl1	bound_lom_active	R 1389
printer_images.alm	bound_active_1	A 1389
printer_init.pl1	bound_io_init	R 1389
prt300_buffer_image.alm	bound_active_1	D 1389
prt_300_conv.alm	bound_lom_active	R 1389
salv_check_map.pl1	bound_salvager	R 1393
salv_check_thread.pl1	bound_salvager	R 1393
salv_data.alm	-	R 1393
salv_rebuild_directory.pl1	bound_salvager	R 1393
salv_rebuild_names.pl1	bound_salvager	R 1393
salvage_directory.pl1	bound_salvager	R 1393
salvage_entry.pl1	bound_salvager	R 1393
sum.pl1	bound_system_faults	R 1391
syserr_log_init.pl1	bound_temp_1	R 1390
syserr_logger.pl1	bound_error_wired	R 1390
syserr_real.pl1	bound_error_wired	R 1390
trace.pl1	bound_lom_wired	R 1389
trace_init.pl1	bound_temp_1	R 1389

**Include Files**

detailed_printer_status.incl.pl1	A 1389
kst_util.incl.pl1	R 1391
oc_data.incl.pl1	R 1390
printer_types.incl.pl1	A 1389
prtseg.incl.pl1	R 1389
salv_data.incl.pl1	R 1393
syserr_log.incl.pl1	R 1390

**Binfiles**

## II. Segment Change Log (continued)

<u>Segment Name</u>	<u>Bound Segment</u>	<u>Change #</u>
bound_active_1.bind		R 1389
bound_error_wired.bind		R 1390
bound_salvager.bind		R 1393
bound_system_faults.bind		R 1391

## III. Bound Segment Change Log

<u>Bound Segment</u>	<u>Change</u>
bound_error_wired	replaced: ocdcm_ syserr_logger syserr_real
bound_salvager	added: dir_dump replaced: salv_check_thread salvage_entry salv_check_map salvage_directory salv_rebuild_names salv_rebuild_directory on_line_salvager
bound_system_faults	replaced: acc_name_ sum fs_alloc kstsrch accept_alm_obj kst_entry_check dir_control_error access_viol
bound_active_1	added: printer_images deleted: prt300_buffer_image
bound_iom_wired	replaced: trace
bound_io_init	replaced: printer_init
bound_iom_active	replaced: printer_dcm prt_300_conv
bound_temp_1	replaced: trace_init oc_data_init syserr_log_init

#### IV. Header Change Log

The following changes were made to the hardcore header. The name `prt300_buffer_image` was removed from, and the name `printer_images` was added to `bound_active_1`. The name `pl1_operators` was moved from collection 2 to collection 3, and from ring 0 to ring 1.