

TO: Distribution
 FROM: G. Ackerman-Lewis
 DATE: September 6, 1974
 SUBJECT: Installation of MSS 23.17 and 23.17a

The hardcore system MSS 23.17 was installed on Thursday, September 5, 1974 at 0900. This system includes: a fix for a line counting problem in the printer DCM; a version of reloader which accepts new backup_record_types; addition of the entries set\$backup_dump_time and set\$backup_times to hphcs_; Removal of two external entries into the storage system, initiate_seg and initiate_seg_count; addition of a new gate to hardcore which duplicates the hcs_\$printer_xxxx entries. modify tc_shutdown to alleviate problems in shutdown; change to the salvager to zero the two words of the branch pad field if the contents is < zero; change to append to copy the values in the parent directory whenever it creates a branch; a rewritten expand_path_; conversion of several modules to V2/PL1; a change to get_aste to prevent the "deadly embrace" situation; and, a change to msf_manager acl handling. The system libraries were updated on Friday, September 6 1974 at 1407.

The hardcore system MSS 23-17a was installed on Friday, September 6, 1974 at 0900. This system includes a fix for a bug introduced in 23-17. The system libraries were updated on Friday, September 6, 1974 at 1604.

I. System Change Log

Chng MCR

Change

- # 1353 526 Alleviate problems is shutdown which result from the fact that tc_shutdown calls deact_proc\$destroy for each process which is neither idle nor stooped.
- # 1354 545 Prevent "deadly embrace" in get_aste.
- # 1355 693 The entries set\$backup_dump_time and set\$backup_times will now be accessable through hphcs_. (Partial implementation of MCR 693.)

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I. System Change Log (continued)

Chng MCR	Change
# 1356 673	A version of reloader which accepts new backup_record_types and treats them as it treats the current backup_record_types.
# 1357 031	Fix bad line counting in printer_dcm.
# 1358 698	Add a new gate to hardcore which duplicates the 5 hcs_\$printer_XXXX entries. This is the first step of the three step implementation which will result in moving the hardcore printer interface to prt_dcm.
# 1359 522	Remove two external entries into the storage system. These entries, initiate_seg and initiate_seg_count provide an entry into ring zero that was not intended to be externally available.
# 1360 638	Change msf_manager_ acf handling.
# 1361 093	Convert several modules to V2/PL1. Rewrite expand_path_.
# 1362 571	Change salvager to zero the two words of the branch pad field if the contents is less than zero. Change append to copy the values in the parent directory whenever it creates a branch.
# 1363	- Fix bug in append introduced in 23-17.

II. Segment Change Log

Segment Name	Bound Segment	Change #
append.pl1	bound_file_system	R 1362,136
backup_load.pl1	bound_reloader_	R 1356
bk_retrieve.pl1	bound_reloader_	R 1356
convert_binary_integer_.pl1	-	R 1361
deact_proc.pl1	bound_process_creation	R 1353
enter_admin_mode_.pl1	-	R 1361
expand_path_.pl1	-	R 1361
get_aste.pl1	bound_system_faults	R 1354
get_process_id_.pl1	-	R 1361
hcs_.mexp	-	R 1359
hphcs_.mexp	-	R 1353,135
init_hardware_gates.pl1	bound_temp_2	R 1358

II. Segment Change Log (continued)

Segment Name	Bound Segment	Change #
msf_manager_.pl1	bound_fsim_	R 1360
printer_dcm.pl1	bound_iom_active	R 1357
prtdcm_.mexp	-	A 1358
salv_print.pl1	-	R 1361
tc_shutdown.pl1	bound_file_system	R 1353
Include Files		
backup_record_types.incl.pl1		R 1356
dir_entry.incl.pl1		R 1362
Bindfiles		
bound_process_creation.bind		R 1353
bound_system_faults.bind		R 1359

III. Bound Segment Change Log

Bound Segment	Change
bound_fsim_	replaced: msf_manager_
bound_temp_2	replaced: init_hardcore_gates
bound_reloader_	replaced: backup_load bk_retrieve
bound_iom_active	replaced: printer_dcm
bound_system_faults	replaced: get_aste
bound_process_creation	replaced: deact_proc
bound_file_system	replaced: append tc_shutdown

IV. Header Change Log

1358 The hardcore header was changed to add the entry prtdcm_

1353 the name destroy_proc was removed and the name deactivate_segs was added to the entry bound_process_creation. the name destroy_proc was removed from the entry nphcs_.