

TO: Distribution
FROM: R. B. Rakip
DATE: November 29, 1973
SUBJECT: Installation of MSS 21.4

The hardcore system, MSS 21.4, was installed at 08:59 on Thursday, November 29, 1973. This system consisted of changes to the linker to improve its handling of illegal fault tag 2's and to process traps by calling a procedure instead of using the condition mechanism; the addition of new stack frame flags described in cec.info; changes to recognize "any_other" handlers; and the conversion of the remaining version I PL/I wired down procedures to version II. The hardcore libraries were updated at 12:47 on Thursday, November 29, 1973.

I. System Change Log

<u>Change #</u>	<u>Change</u>
1195	Improve linker's handling of illegal fault tag 2's; change linker to process traps by calling a procedure instead of using condition mechanism; add new stack frame flags and put all flags in one word; recognize "any_other" handlers; and add new codes to error_table: no_trap_proc, bad_first_ref_trap, bad_trap_before_link, illegal_ft2 and unexpected_ft2.
1196	Convert the remaining version I PL/I wired down procedures to version II.

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II. Segment Change Log

<u>Segment Name</u>	<u>Bound Segment</u>	<u>Change #</u>
debug_check.pl1	bound_error_wired	R 1196
delete_segs.pl1	bound_tc_wired	R 1196
dstm.pl1	bound_tc_wired	R 1196
error_table.et	-	R 1195
get_disk_meters.pl1	bound_page_control	R 1196
link_snap.pl1	bound_system_faults	R 1195
link_trap_caller_.pl1	bound_sss_active_	A 1195
nonlocal_goto_.alm	bound_sss_active_	A 1195
pc_trace_pl1.pl1	bound_page_control	R 1196
pc_wired.pl1	bound_page_control	R 1196
quotaw.pl1	bound_page_control	R 1196
return_to_ring_0_.alm	-	R 1195
signal_.pl1	bound_sss_active_	R 1195
signaller.alm	-	R 1195
thread.pl1	bound_page_control	R 1196
trap_caller_caller_.pl1	bound_system_faults	A 1195
unwinder_util_.alm	bound_sss_active_	D 1195
wired_pln.pl1	bound_tc_wired	R 1196

Include Files

stack_frame.incl.alm	R 1195
stack_frame.incl.pl1	R 1195

Bind Files

bound_sss_active_.bind	R 1195
bound_system_faults.bind	R 1195

III. Bound Segment Change Log

<u>Bound Segment</u>	<u>Change</u>
bound_error_wired	Replaced debug_check
bound_page_control	Replaced get_disk_meters pc_trace_pl1 pc_wired quotaw thread
bound_sss_active_	Added link_trap_caller_ nonlocal_goto_

III. Bound Segment Change Log (continued)

<u>Bound Segment</u>	<u>Change</u>
	Replaced signal_ Deleted unwinder_util_
bound_system_faults	Added trap_caller_caller_ Replaced link_snap
bound_tc_wired	Replaced delete_segs dstm_ wired_plm

IV. Header Change Log

Change #1195 added the names nonlocal_goto_ and link_trap_caller_ to bound_sss_active_.