

TO: Distribution  
FROM: R. B. Rakip  
DATE: January 23, 1974  
SUBJECT: Installation of MSS 22.1

The hardcore system, MSS 22.1, was installed at 08:59 on Monday, January 21, 1974. This system consisted of the conversion of a number of hardcore procedures to version II of PL/I and bug fixes to the segments full\_lpc\_, msf\_manager\_ and tty\_ctl. The system libraries were updated at 12:25 on Monday, January 21, 1974.

#### I. System Change Log

<u>Change #</u>	<u>Change</u>
1239	Convert components of bound_lpc_ to version II PL/1 (MCR 093) and fix the "all 5's" bug (bug #140 / MCR 178).
1240	Convert components of bound_temp_2 and bound_lom_active to version II of PL/1 (MCR 093).
1241	Convert components of bound_sss_active_ to version II of PL/1 (MCR 093).
1242	Convert components of bound_tty_active to version II of PL/1 (MCR 093).
1243	Convert several components of bound_command_loop_ to version II of PL/1 (MCR 093).
1244	Convert assorted hardcore procedures to version II of PL/1 (MCR 093).
1245	Fix bug in msf_manager_\$adjust so that it will not reference through a null pointer.

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## I. System Change Log (continued)

<u>Change #</u>	<u>Change</u>
1246	Add stop_channel before hanging it up in tty_ctl and fix the default line length for tty33 to 72 characters from 74 (bug #227 / MCR 234).

## II. Segment Change Log

<u>Segment Name</u>	<u>Bound Segment</u>	<u>Change #</u>
build_template_dsegs.pl1	bound_temp_2	R 1240
clock_init.pl1	bound_temp_1	R 1244
cv_bin.pl1	bound_sss_active_	R 1241
cv_dec.pl1	bound_sss_active_	R 1241
date_time.pl1	bound_sss_active_	R 1241
decode_descriptor.pl1	bound_command_loop_	R 1243
fast_hc_ipc.pl1	bound_tty_active	R 1242
find.pl1	bound_active_1	R 1244
find_command.pl1	bound_command_loop_	R 1243
find_peripheral.pl1	bound_active_1	R 1244
full_ipc.pl1	bound_ipc_	R 1239
initializer.pl1	-	R 1244
loam_ut.pl1	bound_lom_active	R 1240
loam_ut1.pl1	bound_lom_active	R 1240
ipc.pl1	bound_command_loop_	R 1243
locprm.pl1	bound_ipc_	R 1239
losystem.pl1	bound_init_2	R 1244
msf_manager.pl1	bound_fsim_	R 1245
object_info.pl1	bound_sss_active_	R 1241
segment_loader.pl1	bound_init_1	R 1244
tc_init.pl1	bound_init_2	R 1244
tty_con.pl1	bound_tty_active	R 1242
tty_ctl.loc	-	R 1246
tty_unlock.pl1	bound_tty_active	R 1242
tw_write.pl1	bound_command_loop_	R 1243
unique_bits.pl1	bound_sss_active_	R 1241
unique_chars.pl1	bound_sss_active_	R 1241
update_sst.pl1.pl1	bound_temp_1	R 1244
wire_pr.pl1	bound_active_1	R 1244

## III. Bound Segment Change Log

<u>Bound Segment</u>	<u>Change</u>
bound_active_1	Replaced find find_peripheral wire_pr
bound_command_loop_	Replaced decode_descriptor_ find_command_ ipc_ tw_write_
bound_fsm_	Replaced msf_manager_
bound_init_1	Replaced segment_loader
bound_init_2	Replaced losystem tc_init
bound_lom_active	Replaced loam_ut loam_ut1
bound_lpc_	Replaced full_lpc_ lpcorm_
bound_sss_active_	Replaced cv_bin_ cv_dec_ date_time_ object_info_ unique_bits_ unique_chars_
bound_temp_1	Replaced clock_init update_sst_pl1
bound_temp_2	Replaced build_template_dsegs
bound_tty_active	Replaced fast_hc_lpc tty_con tty_unlock

## IV. Header Change Log

There are no changes to the system headers.