

TO: Distribution  
FROM: George T. Williams  
DATE: July 26, 1977  
SUBJECT: Installation of MSS 31.9

### I. SYSTEM CHANGE LOG

#### MCR MODIFICATIONS FOR MSS 31.9

- 2734 Fixes an obsolete use of the copy switch in `msf_manager_`. This will remove some occasional fatal process errors, i.e. running out of [pd] quota because of extraneous copies.
- 2642 Moves reference name table to user rings. Set `lot_fault` in ring of validation level when a segment is first made known. A reference name will apply only to the ring in which it was initiated.
- 2657 Allocate more 'stuff' in the user free area; support perprocess static.(Not included in this change).
- 2730 Cleanup establishment of condition handlers and signalling mechanism during system initialization. Establish more static handlers in all rings. Do not establish signalling mechanism on `prds`.
- 2770 Reset the damaged switch when a segment is truncated to zero words.
- 2767 Command and subroutine changes for user-ring terminal types. (HARDCORE PORTION)
- 2766 Ring zero MCS changes for user-ring terminal types.

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## II. SEGMENT CHANGE LOG

SEGMENT NAME		BOUND SEGMENT
absentee_real_init_admin.pl1	R	bound_command_loop_
append.pl1	R	bound_file_system
bootstrap2.alm	R	-
check_vtoce_branch.pl1	R	bound_salvager
condition_.alm	A	bound_sss_active_
condition_.alm	D	bound_sss_wired_
copy_on_write_handler_.pl1	A	bound_sss_active_
copy_on_write_handler_.pl1	D	bound_sss_wired_
daemon_real_init_admin.pl1	R	bound_command_loop_
del_dir_tree.pl1	R	bound_file_system
delentry.pl1	R	bound_file_system
error_table_.alm	R	-
find_dirsegno.pl1	R	bound_system_faults
fs_get.pl1	R	bound_system_faults
fs_search.pl1	R	bound_system_faults
get_system_free_area_.pl1	A	bound_command_loop_
get_system_free_area_.pl1	D	bound_fsim_
get_temp_segments_.pl1	A	bound_command_loop_
get_temp_segments_.pl1	D	bound_fsim_
hardcore.header	R	-
hcs_.alm	R	-
init_branches.pl1	R	bound_init_2
init_proc.pl1	R	bound_process_creation
init_root_dir.pl1	R	bound_temp_2
initialize_faults.pl1	R	bound_init_1
initialize_kst.pl1	R	bound_process_creation
initializer.pl1	R	bound_active_1
initiate.pl1	R	bound_system_faults
initiate_search_rules.pl1	R	bound_file_system
isot_fault_handler_.pl1	A	bound_sss_active_
isot_fault_handler_.pl1	D	bound_sss_wired_
link_man.pl1	R	bound_system_faults
link_snap.pl1	R	bound_system_faults
lot_fault_handler_.pl1	A	bound_sss_active_
makeknown.pl1	D	bound_system_faults
makeknown_.pl1	R	bound_system_faults
makestack.pl1	R	bound_file_system
makeunknown.pl1	R	bound_system_faults
message_table_.mt	R	bound_error_handlers_
msf_manager_.pl1	R	bound_fsim_
object_info_.pl1	R	bound_sss_active_
ondata_.alm	A	bound_sss_active_
ondata_.alm	D	bound_sss_wired_
pds.cds	R	-
pl1_operators_.alm	R	bound_sss_wired_
pl1_signal_.pl1	A	bound_sss_active_
pl1_signal_.pl1	D	bound_sss_wired_
prds.cds	R	-
ref_name_.pl1	R	bound_system_faults

## II. SEGMENT CHANGE LOG (continued)

SEGMENT NAME		BOUND SEGMENT
sc_init.pl1	R	bound_system_control_
sct_manager.pl1	A	bound_sss_active_
sct_manager.pl1	D	bound_sss_wired_
signal.pl1	A	bound_sss_active_
signal.pl1	D	bound_sss_wired_
special_messages.pl1	R	bound_error_handlers_
tc_init.pl1	R	bound_init_1
terminate.pl1	R	bound_system_faults
truncate_vtoce.pl1	R	bound_vtoc_man
tty_index.pl1	R	bound_tty_active
uid_path_util.pl1	R	bound_system_faults
user_real_init_admin.pl1	R	bound_command_loop_
vacate_pv.pl1	R	bound_system_faults

## BIND SEGMENTS

bound_command_loop.bind	R
bound_fsim.bind	R
bound_init_1.bind	R
bound_sss_active.bind	R
bound_sss_wired.bind	R
bound_system_faults.bind	R

## INCLUDE SEGMENTS

lot.incl.pl1	R
object_info.incl.pl1	R
object_map.incl.pl1	R
rnt.incl.pl1	R
stack_header.incl.alm	R
stack_header.incl.pl1	R
tty_data.incl.pl1	R