

TO: Distribution  
FROM: Franklin C. Smith  
DATE: September 23, 1977  
SUBJECT: Installation of MSS 31.16

### I. SYSTEM CHANGE LOG

#### MCR MODIFICATIONS FOR MSS 31-16

- 2772 Changes `tape_mult_` to return a nonzero status code rather than calling `com_err_` in all modules except `tape_mult_attach_`, where the `com_err` switch is used to determine the proper action.
- 2773 Changes `tape_mult_` to return `error_table_send_of_info` rather than `error_table_device_end` when a record containing both end-of-tape and end-of-reel flags is read.
- 2573 Includes error message documentation in hardcore source.
- 2831 Resets the damaged switch on the disk table and the volume registration data bases during registration salvaging.
- Prevents disk rebuild of a volume that needs salvaging.
- 2851 Adds a check that the authorization of a process is not greater than the maximum access class of a volume at LV attach time.
- 2852 Allows a process at a lower access class than an upgraded directory to move quota to that directory.
- 2853 Prevents moving enough quota from an upgraded directory that it has zero quota.
- Deletes obsolete hardcore MCS segments that should have been deleted in prior installations.
- 2879 Gives the salvager the ability to delete branches which have no corresponding VTOCEs (forward connection failures).

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## I. SYSTEM CHANGE LOG (continued)

## MCR MODIFICATION

- 2880 Reorganizes delentry to do the making-unknown after the parent directory has been unlocked. Deleting one's stack will no longer cause a salvage.
- 2945 Fixes "Unable to Delete Claimant" VTOC salvager bug.
- 2876 Changes the retriever so that it does not move quota when -noquota is specified.
- 2884 Allows retrieving to a new pathname if the volume is offline.
- 2885 Enables the reloader to reload segments if their branches exist but their VTOCEs do not.

## II. SEGMENT CHANGE LOG

SEGMENT NAME	BOUND SEGMENT
accept_fs_disk.pl1	R bound_disk_util
access_class_check.pl1	R bound_priv_procs
access_viol.pl1	R bound_system_faults
add_scu.pl1	R bound_hc_reconfig
backup_load.pl1	R bound_reloader_
backup_load_dir_list.pl1	R bound_reloader_
backup_util.pl1	R bound_reloader_
boundfault.pl1	R bound_system_faults
call_bos.pl1	R bound_active_1
copy_fdump.pl1	R bound_file_system
debug_check.pl1	R bound_error_wired
delete_pd_records.pl1	R bound_hc_reconfig
disk_emergency.pl1	R bound_disk_util_wired
disk_init.pl1	R bound_temp_1
disk_rebuild_caller.pl1	R bound_adxhdx_
disk_table_.pl1	R bound_adxhdx_
freecore.pl1	R bound_active_1
fs_search.pl1	R bound_system_faults
fs_unload_disk_interrupt.pl1	R bound_disk_util_wired
get_main.pl1	R bound_active_1
get_pvtx.pl1	R bound_vtoc_man
hc_ipc.pl1	R bound_tty_active
hdx.pl1	R bound_adxhdx_
hvr_.pl1	R -
init_disk_pack_.pl1	R bound_adxhdx_
init_empty_root.pl1	R bound_temp_1
init_lvt.pl1	R bound_temp_2
init_proc.pl1	R bound_process_creation

## II. SEGMENT CHANGE LOG (continued)

SEGMENT NAME	BOUND SEGMENT
init_root_dir.pl1	R bound_temp_2
init_sst.pl1	R bound_temp_1
init_sys_var.pl1	R bound_temp_2
init_vtoc_man.pl1	R bound_temp_2
ioan.pl1	R bound_ioan_active
ioan.pl1	R bound_ioan_wired
ioi_connect.pl1	R bound_ioan_active
ioi_init.pl1	R bound_io_init
ioi_timer.pl1	R bound_ioan_wired
ioi_workspace.pl1	R bound_ioan_active
ioan_manager.aim	R bound_ioan_wired
load_system.pl1	R bound_init_2
logical_volume_manager.pl1	R bound_disk_util
lv_request_communicator.pl1	R bound_mdxdx_
make_branches.pl1	R bound_init_2
mdx.pl1	R bound_mdxdx_
pc_abs.pl1	R -
pc_config.pl1	R bound_page_control
periph_io.pl1	R bound_util_print
priv_delete_vtoce.pl1	R bound_vtoc_man
privileged_node_ut.aim	R bound_priv_1
protection_audit.pl1	R bound_system_faults
put_aste.pl1	R bound_system_faults
pxss.aim	R -
quota.pl1	R bound_file_system
rcp_comment.pl1	R bound_rcp_
rcp_detach.pl1	R bound_rcp_
rcp_disk.pl1	R bound_rcp_
rcp_init_disk_sharing.pl1	R bound_io_init
rcp_initializer.pl1	R bound_rcp_
rcp_ioi_attach.pl1	R bound_rcp_
rcp_message.pl1	R bound_rcp_
rcp_mount_timer.pl1	R bound_rcp_
rcp_ring1_init.pl1	R bound_rcp_
rcp_tape.pl1	R bound_rcp_
reconfig.pl1	R bound_hc_reconfig
ring_0_peak.pl1	R bound_file_system
salv_caller.pl1	R bound_mdxdx_
salv_check_vtoce.pl1	R bound_salvager
salv_directory.pl1	R bound_salvager
salvage_pv.pl1	R bound_salvager
salvager.pl1	R bound_salvager
scas_init.pl1	R bound_temp_1
scs_init.pl1	R bound_temp_1
search_ast.aim	R bound_system_faults
set_privileges.pl1	R bound_priv_procs
shutdown.pl1	R bound_file_system
star.pl1	R bound_file_system
stop_process.pl1	R bound_process_creation

## II. SEGMENT CHANGE LOG (continued)

SEGMENT NAME		BOUND SEGMENT
syserr_copy_paged.pl1	R	bound_error_active
syserr_log_check.pl1	R	bound_error_active
syserr_log_copy.pl1	R	bound_file_system
syserr_logger.pl1	R	bound_error_wired
system_privilege_.alm	R	-
system_trace.pl1	R	bound_ion_wired
tape_io.pl1	R	-
tape_mult_close_.pl1	R	bound_tape_mult_
tape_mult_labeler_.pl1	R	bound_tape_mult_
tape_mult_open_.pl1	R	bound_tape_mult_
tape_reader.pl1	R	bound_init_1
tc.pl1	R	bound_hc_tuning
terminate_proc.pl1	R	bound_error_active
trace.pl1	R	bound_ion_wired
trace_init.pl1	R	bound_temp_1
va_vio.pl1	R	bound_salvager
vtoc_interrupt.pl1	R	bound_disk_util_wired
wire_proc.pl1	R	bound_active_1
wired_shutdown.pl1	R	bound_tc_wired

## BIND SEGMENTS

bound_file_system.bind	R
bound_priv_procs.bind	R

## INCLUDE SEGMENTS

salv_args.incl.pl1	R
salv_options.incl.pl1	R