

TO: Distribution

FROM: Gary C. Dixon

DATE: June 12, 1976

SUBJECT: Installation of MSS 28.7 and 28.7a

MSS 28.7 was installed on Thursday, June 10, 1976. Included in this system are: a fix for MIT bug 410, some or all pages of a segment missing after a crash; a fix for bug 409, out-of-bounds in backup; a fix for miscounting records used; a fix for faults taken during add\_volume\_registration (avr); a fix for unexpected crawlouts from fs\_get\_mode; closing of an AST entry window during deactivation to remove a physical volume; a fix for garbage data returned by hcs\_\$status when user has no\_s\_permission; fix for a bad message from force\_pd\_abandon; code to signal the correct condition when a boundsfault is taken on segment with 0 max length; a fix for the initializer lost interrupt problem; a speedup for segment truncation; new gates to condense logical volumes by forcing segment migration; a new feature to give the owner of a logical volume access to that volume, even if the access control segment (ACS) is missing.

MSS 28.7a was installed on Thursday, June 10, 1976. Included in this system are: removal of one of the fixes made to pxss in 28.7 to solve the Initializer lost interrupt problem; carrying forward to hphcs\_ changes made in 28.6 which were omitted in 28.7.

### I. System Change Log

#### Old MCR

#### Change

- # 1523 1876, 1879-81, 1914-5, 1917-22, 1926, 1938, 1940, 1954  
Includes all of the changes listed above for MSS 28.7.
- # 1624 None Includes the changes listed above for MSS 28.7a.

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## II. Segment Change Log

<u>Segment Name</u>	<u>Bound Segment</u>	<u>Change #</u>
accept_fs_disk.pl1	bound_disk_util	R 1623
activate.pl1	bound_system_faults	R 1623
bulk_store_control.alm	bound_page_control	R 1623
create_vtoce.pl1	bound_vtoc_man	R 1623
dc_pack.pl1	bound_file_system	R 1623
demount_pv.pl1	bound_disk_util	R 1623
fs_get.pl1	bound_system_faults	R 1623
get_pvtx.pl1	bound_vtoc_man	R 1623
hdx.pl1	-	R 1623
hphcs_	-	R 1623,1624
init_pvt.pl1	bound_temp_1	R 1623
init_sys_var.pl1	bound_temp_2	R 1623
mdc_.alm	-	R 1623
page_fault.alm	bound_page_control	R 1623
pc.pl1	bound_page_control	R 1623
phcs_.alm	-	R 1623
priv_delete_vtoce.pl1	bound_vtoc_man	A 1623
pxss.alm	-	R 1623,1624
ring0_init.pl1	bound_file_system	R 1623
salvage_pv.pl1	bound_salvager	R 1623
search_ast.alm	bound_system_faults	R 1623
seg_fault.pl1	bound_system_faults	R 1623
segment_mover.pl1	bound_system_faults	R 1623
set_sons_lvid.pl1	bound_file_system	R 1623
star_.pl1	bound_file_system	R 1623
status_.pl1	bound_system_faults	R 1623
system_startup_.pl1	-	R 1623
truncate.pl1	bound_file_system	R 1623
truncate_vtoce.pl1	bound_vtoc_man	R 1623
vacate_pv.pl1	bound_system_faults	A 1623
verify_lock.pl1	bound_file_system	R 1623

Include Files

cmp.incl.alm	R 1623
cmp.incl.pl1	R 1623
dir_header.incl.pl1	R 1623
fs_dev_types.incl.pl1	R 1623
pvt.incl.alm	R 1623
pvt.incl.pl1	R 1623
sst.incl.pl1	R 1623

## II. Segment Change Log (continued)

<u>Segment Name</u>	<u>Bound Segment</u>	<u>Change #</u>
<u>Bindfiles</u>		
bound_file_system.bind		R 1623
bound_page_control.bind		R 1623
bound_system_faults.bind		R 1623
bound_vtoc_man.bind		R 1623

## III. Bound Segment Change Log

<u>Bound Segment</u>	<u>Change</u>
bound_disk_util	replaced: accept_fs_disk demount_pv
bound_file_system	replaced: truncate star_ dc_pack verify_lock ring0_init set_sons_lvid
bound_page_control	replaced: page_fault pc bulk_store_control
bound_salvager	replaced: salvage_pv
bound_system_faults	added: vacate_pv replaced: fs_get seg_fault activate search_ast status_ segment_mover
bound_temp_1	replaced: init_pvt
bound_temp_2	replaced: init_sys_var
bound_vtoc_man	added: priv_delete_vtoce replaced: create_vtoce truncate_vtoce get_pvtx

IV. Header Change Log

The header was changed in MSS 28.7 to add the name  
priv\_delete\_vtoce to bound\_vtoc\_man.