

TO: Distribution

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SUBJECT: Installation of MSS 30.8

## I. SYSTEM CHANGE LOG

### MCR MODIFICATIONS FOR MSS 30-8

- 2472 Fixes a bug in `formline_` by checking for uninitialized varying strings. This avoids blowing up while using a large negative number in the length field. Any out of range length values are forced to be equal to the max declared string length.
- 2423 `disk_control` is changed so that I/O's to a given device (and of equal priority) are selected on a shortest service time rather than first come first served basis.
- 2486 Modifies IOI to accomidate MOLTS operation on the disks.
- 2571 Fixes `alloc_` bug which caused a loop when creating temporary segments on allocation of large blocks in an extensible area.

## II. SEGMENT CHANGE LOG

SEGMENT NAME		BOUND SEGMENT
<code>alloc_.alm</code>	R	<code>bound_sss_wired_</code>
<code>disk_control.pl1</code>	R	<code>bound_page_control</code>
<code>disk_init.pl1</code>	R	<code>bound_temp_1</code>
<code>disk_special_handler.pl1</code>	D	<code>bound_lom_wired</code>
<code>formline_.alm</code>	R	<code>bound_sss_wired_</code>
<code>get_disk_segs.pl1</code>	D	<code>bound_temp_1</code>
<code>get_lo_segs.pl1</code>	A	<code>bound_temp_1</code>
<code>initializer.pl1</code>	R	<code>bound_active_1</code>
<code>loi_.mexp</code>	R	-
<code>loi_assign.pl1</code>	R	<code>bound_lom_active</code>
<code>loi_assign_channels.pl1</code>	A	<code>bound_lo_init</code>

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## II. SEGMENT CHANGE LOG (continued)

SEGMENT NAME		BOUND SEGMENT
lol_assign_channels.pl1	D	bound_lom_active
lol_assign_cte.pl1	R	bound_lom_active
lol_assign_disk_channels.pl1	A	bound_lo_init
lol_assign_dte.pl1	R	bound_lom_active
lol_assign_gte.pl1	R	bound_lom_active
lol_buffer.pl1	R	bound_lom_active
lol_check.pl1	R	bound_lom_active
lol_connect.pl1	R	bound_lom_active
lol_get_special_status.pl1	R	bound_lom_active
lol_getwork.pl1	R	bound_lom_wired
lol_init.pl1	R	bound_lo_init
lol_interrupt.pl1	R	bound_lom_wired
lol_log_status.pl1	R	bound_lom_wired
lol_reset_channel.pl1	R	bound_lom_wired
lol_set.pl1	R	bound_lom_active
lol_set_status.pl1	D	bound_lom_active
lol_suspend_devices.pl1	R	bound_lom_active
lol_timer.pl1	R	bound_lom_wired
lol_usurp_channels.pl1	R	bound_lom_active
lol_workspace.pl1	R	bound_lom_active
lom_data_init.pl1	R	bound_temp_1
lom_manager.alm	R	bound_lom_wired
rcp_init.pl1	R	bound_lo_init

## BIND SEGMENTS

bound_lo_init.bind	R
bound_lom_active.bind	R
bound_lom_wired.bind	R
bound_page_control.bind	R
bound_temp_1.bind	R

## INCLUDE SEGMENTS

area_structures.incl.alm	R
area_structures.incl.pl1	R
dskdcl.incl.pl1	R
lol_data.incl.pl1	R
lom_data.incl.pl1	R
pvt.incl.pl1	R
wired_lol_data.incl.pl1	D