

TO: Distribution  
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DATE: October 4, 1976  
SUBJECT: Installation of MSS 29.1, 29.1a, and 29.1b

## I. SYSTEM CHANGE LOG

## MCR MODIFICATIONS FOR MSS 29.1

- 1851 Changes PL/I stream output via \*put edit\* statements to use a quicker pl1\_operators\_ transfer rather than a subroutine call.
- 1967 Fix bug in alloc\_ when retrying allocation after return from area on-unit when invoked via pl1\_operators\_ transfer.
- 2009 Add new subroutines expand\_pathname\_ and absolute\_pathname\_, which replace expand\_path\_.
- 2099 Change get\_next\_area\_ptr\_ not to call get\_temp\_segments\_ if in ring 0. Part of change to make combined\_linkage regions into areas.
- 1898 Delete tape MPC firmware debugging message from tape\_.
- 1958 Stop logging I/O errors for T&D attachments.
- 2048 Add error\_table\_\$segfault to support tape\_mult\_ extensions.
- 2093 Change fs\_alloc not to overwrite the last allocation block size in directory area readers.
- 2106 Fix bug in RCP checking of access to mount private user disk packs.
- 2211 Fix bug in on\_line\_salvager; length obtained for directory in words, rather than pages caused crawlout with lock set; subsequent on\_line\_salvage got lock error and crashed system (ERF 257).

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## I. SYSTEM CHANGE LOG (continued)

## MCR MODIFICATIONS FOR MSS 29.1a

NOTE Due to an installation error, the changes intended for MSS 29.1a were not installed. They have been included in MSS 29.1b.

## MCR MODIFICATIONS FOR MSS 29.1b

2027 Fix bug in wired\_fm which can cause lockup faults when 2 or more CPUs are running.

## II. SEGMENT CHANGE LOG

SEGMENT NAME		BOUND SEGMENT
alloc_.alm	R	bound_sss_wired_
define_area_.pl1	R	bound_sss_active_
error_table_.et	R	-
expand_path_.pl1	A	bound_expand_path_
expand_pathname_.pl1	A	bound_expand_path_
fs_alloc.pl1	R	bound_system_faults
hardcore.header	R	-
ioi_assign_dfe.pl1	R	bound_iom_active
ioi_interrupt.pl1	R	bound_iom_wired
ioi_log_status.pl1	R	bound_iom_wired
on_line_salvager.pl1	R	bound_salvager
pl1_operators_.mexp	P	bound_sss_wired_
out_field_.alm	R	bound_sss_wired_
out_format_.alm	A	bound_sss_wired_
rcp_attach_lv_.pl1	R	bound_rcp_
tape_write_.pl1	R	bound_tape_
wired_fm.alm	R	bound_interceptors
BIND SEGMENTS		
bound_expand_path_.bind	A	
bound_sss_wired_.bind	R	

II. SEGMENT CHANGE LOG (continued)

INCLUDE SEGMENTS

area_structures.incl.alm	P
area_structures.incl.pl1	F
dir_allocation_area.incl.pl1	R
wired_ioi_data.incl.pl1	R

