

TO: Distribution
 FROM: Franklin C. Smith
 DATE: December 16, 1977
 SUBJECT: Installation of MSS 33.0

I. SYSTEM CHANGE LOG

MCR MODIFICATIONS FOR MSS 33-0

- 2905 Adds entries `get_temp_segment_` and `release_temp_segment_` to the temporary segment manager to deal with the case in which only one segment is needed. This will enable programmers to avoid the use of one-element arrays.
- 3018 Changes `area_assign_` to copy only the non-virgin part of the source area, and pad the target area with zeros if the source area is shorter. Fixes a bug in `define_area_` so that it will initialize `zero_on_free` areas to zeros.
- 2998 Fixes the RNT allocation strategy to allocate reffnames in a special area instead of scattering them in a general purpose area. This is expected to reduce paging.
- 3072 Fixes a bug in `tape_mult_read_` so that it will backspace the correct number of records to retry a bad section of tape. Changes `tape_mult_read_` so that when it has retried a bad section of tape the maximum number of times it will leave the tape positioned after the bad section rather than backspacing to before the bad section.

II. SEGMENT CHANGE LOG

SEGMENT NAME	BOUND SEGMENT
<code>alloc_.alm</code>	R <code>bound_sss_wired_</code>
<code>define_area_.pl1</code>	R <code>bound_sss_active_</code>
<code>get_temp_segments_.pl1</code>	R <code>bound_command_loop_</code>
<code>hardcore.header</code>	R -
<code>makestack.pl1</code>	R <code>bound_file_system</code>
<code>ref_name_.pl1</code>	R <code>bound_system_faults</code>

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II. SEGMENT CHANGE LOG (continued)

SEGMENT NAME	BOUND SEGMENT
tape_mult_read.pl1	R bound_tape_mult_

BIND SEGMENTS

bound_command_loop.bind	R
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INCLUDE SEGMENTS

area_structures.incl.aim	R
area_structures.incl.pl1	R
ent.incl.pl1	R