

TO: Distribution  
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SUBJECT: Installation of MSS 33.5

## I. SYSTEM CHANGE LOG

### MCR MODIFICATIONS FOR MSS 33-5

- 3133 The default error handler is fixed to print a standard message for illegal\_procedure condition.
- 3104 Installation of decode\_descriptor\_ to handle new PL/1 and COBOL descriptor types.
- 3157 The linker now grows the LOT when the segment number is equal to the current LOT size instead of only when the segment number is greater.
- 3178 Changes nonlocal goto \$same ring to set the stack end pointer and to dō critical ooperations inhibited. Removes code from the unwinder that sets the stack end pointer. Now IPS signal will not occur while the stack is inconsistent.
- 3128 Makes buffer sizes used for output to FNP channels vary with baud rate. Larger buffers will be allocated for high-speed lines.
- 3129 Makes input buffer size for synchronous communication channels be a function of baud rate and maximum expected message size. The number of high-speed synchronous lines that a single FNP can run should be significantly increased. There should be no affect on asynchronous lines.
- 3147 Provides a PARM card for the config deck to specify the size of the circular buffer (circular queue) into which input is transferred by the DIA. If the card is not supplied, the size defaults to 256 words.
- 3177 Fix a number of MCS bugs.

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## II. SEGMENT CHANGE LOG

SEGMENT NAME		BOUND SEGMENT
decode_descriptor .pll	R	bound_command_loop
default_error_handler .pll	R	bound_error_handlers
dn355.pll	R	bound_355_wired
fnp_util.pll	R	bound_mcs_util
hardcore.header	R	-
initiate.pll	R	bound_system_faults
link_man.pll	R	bound_system_faults
nonlocal_goto .alm	R	bound_sss_active
tty_assign.pll	R	bound_mcs_util
tty_free.pll	D	bound_355_wired
tty_index.pll	R	bound_tty_active
tty_lock.pll	R	bound_355_wired
tty_read.pll	R	bound_tty_active
tty_space_man.pll	A	bound_355_wired
tty_write.pll	R	bound_tty_active
unwinder .pll	R	bound_sss_active

## INCLUDE SEGMENTS

dn355_messages.incl.pll	R
line_types.incl.pll	R
mailbox_ops.incl.pll	R
tty_buf.incl.pll	R
tty_data.incl.pll	R
tty_space_man_dcls.incl.pll	A