

TO: Distribution
FROM: Grace Ackerman-Lewis
DATE: January 23, 1975
SUBJECT: Installation of MSS 24.6

The hardcore system MSS 24.6 was installed on Monday, January 20, 1975 at 0349. This system includes many bug fixes, removal of obsolete entries from hardcore, removal of the gate `absentee_test_`, a change to make `tc_data` consistent with header and default TCD card values, a change to the names of the message coordinator entry points that are called by `system_control_`, and the addition of `probe$break` to `operator_pointers_`. The system libraries were updated on Wednesday January 22, 1975 at 1102.

I. System Change Log

Change MGR

Change

- # 1410 751 Removal of the gate `absentee_test_`.
- # 1411 893 Removal of `move_device` from hardcore.
- # 1412 154 Fix a bug in `star_` which returned a zero count for the number of selected entries which match a given star name.
- # 1413 883 Fix for a bug in `oc_data_init` that causes the system to crash if there is no "prph opc" card.
- # 1414 884 Fix for a bug in `convert_ipc_code_`. Main procedure name does not match segment name.
- # 1415 758 A change to the names of the message coordinator entry points that are called by `system_control_`.
- # 1416 904 Fix for a bug which could cause inaccuracies if an interrupt occurred during the calculation of cpu time.
- # 1417 889 A fix for a tape record length reporting problem.

Multics Project internal documentation. Not to be reproduced or distributed outside the Multics Project.

I. System Change Log (continued)

Chng MCR

Change

- # 1418 928 A fix for a bug in syserr_logger which caused the paged syserr_log to get into an inconsistent state.
- # 1419 859 Removal of obsolete entries from hardcore.
- # 1420 931,945
Fixes for bugs which caused erroneous messages on the initializer terminal. Fixes for bugs in calculating hardcore gate meters. Fix for bugs occurring during deletion of bootload CPU and addition of 3rd and 4th CPUs. A change to make tc_data consistent with header and default TCD card values.
- # 1421 947 The addition of probe\$break to operator_pointers_.

II. Segment Change Log

Segment Name	Bound Segment	Change #
admin_gate_.mexp	-	R 1420
convert_ipc_code_.pl1	bound_ipc_	R 1414
get_defname.pl1	bound_file_system	D 1419
get_entry_name.pl1	bound_file_system	D 1419
hcs_.mexp	-	R 1420
hphcs_.mexp	-	R 1411
imp_dim_gate_.mexp	-	R 1420
init_hardware_gates.pl1	bound_temp_2	R 1410
init_processor.alm	-	R 1420
move_device.pl1	bound_file_system	D 1411
net_.mexp	-	R 1420
netp_.mexp	-	R 1420
oc_data_init.pl1	bound_temp_1	R 1413
operator_pointers_.alm	-	R 1421
phcs_.mexp	-	R 1420
star_.pl1	bound_file_system	R 1412
syserr_logger.pl1	bound_error_wired	R 1418
system_control_.pl1	-	R 1415
tc_data.alm	-	R 1420
tc_init.pl1	bound_init_2	R 1420
tdcm_status_.pl1	bound_tape_	R 1417
vclock.alm	bound_system_faults	R 1416
Include Files		
gate_macros.incl.mexp		R 1420

II. Segment Change Log (continued)

Segment Name	Bound Segment	Change #
--------------	---------------	----------

Binfiles

bound_file_system.bin

R 1419

III. Bound Segment Change Log

Bound Segment	Change
bound_temp_2	replaced: init_hardcore_gates
bound_temp_1	replaced: oc_data_init
bound_tape_	replaced: tdcn_status_
bound_system_faults	replaced: vclock
bound_ipc_	replaced: convert_ipc_code_
bound_init_2	replaced: tc_init
bound_file_system	replaced: star_ deleted: move_device get_entry_name get_defname
bound_error_wired	replaced: syserr_logger

IV. Header Change Log

The hardcore header was changed to remove the gate `absentee_test_`, remove the procedure names `move_device` and `get_entry_name`, and change the `cur_length` of `tc_data` from 4730 to 5120.