

TO: Distribution
 FROM: Peter B. Kelley
 DATE: October 29, 1974
 SUBJECT: Installation of MSS 24.1, 24.1a, & 24.1b

The hardcore system MSS 24.1 was installed at 1051 on Tuesday, October 22, 1974. This system includes the installation of the I/O Interfacer software, the tdcM write-around, and the new punch and reader software. The system libraries were updated at 1122 on Thursday, October 24, 1974.

The hardcore system MSS 24.1a was installed at 0957 on Wednesday, October 23, 1974. This system includes a fix for MSS 24.1. The system libraries were updated at 1152 on Thursday, October 24, 1974.

The hardcore system MSS 24.1b was installed at 0908 on Thursday, October 24, 1974. This system includes a fix for MSS 24.1a. The system libraries were updated on Thursday, October 24, 1974 at 1203.

I. System Change Log

<u>Chng MGR</u>	<u>Change</u>
# 1385 353	The IOM manager was changed to supply the LPW for a channel as an extra argument for consistency checking purposes.
457	Implements the I/O Interfacer.
796	Modifies the tape DCM to use the I/O Interfacer to perform tape I/O.
# 1386	- Fixes bug in 24.1 which caused system to crash.
# 1387	- Fixes bug in MSS 24.1a which incorrectly detached tape handlers.

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II. Segment Change Log

Segment Name	Bound Segment	Change #
channel.pl1	bound_gim_active	D 1385
check.pl1	bound_gim_active	D 1385
error_table.et	-	R 1385
gim1.pl1	bound_gim_active	D 1385
gim2.pl1	bound_gim_active	D 1385
gim3.pl1	bound_gim_active	D 1385
gim4.pl1	bound_gim_active	D 1385
gim_alloc.pl1	bound_gim_active	D 1385
gim_assign.pl1	bound_gim_active	D 1385
gioc_stat.pl1	bound_lom_wired	D 1385
hcs_.mexp	-	R 1385
hphcs_.mexp	-	R 1385
init_hardcore_gates.pl1	bound_temp_2	R 1385
initialize_gim.pl1	bound_io_init	D 1385
io_init.pl1	bound_io_init	R 1385
lobm.pl1	bound_lom_wired	A 1385
lobm_init.pl1	bound_io_init	A 1385
loi_.mexp	-	A 1385
loi_abort.pl1	bound_lom_active	A 1385
loi_assign.pl1	bound_lom_active	A 1385, 1387
loi_assign_channels.pl1	bound_lom_active	A 1385
loi_assign_cte.pl1	bound_lom_active	A 1385
loi_assign_device.pl1	bound_lom_active	A 1385
loi_assign_dte.pl1	bound_lom_active	A 1385
loi_buffer.pl1	bound_lom_active	A 1385
loi_caller.alm	bound_lom_wired	A 1385
loi_check.pl1	bound_lom_active	A 1385
loi_connect.pl1	bound_lom_active	A 1385
loi_get_status.pl1	bound_lom_active	A 1385
loi_getwork.pl1	bound_lom_wired	A 1385
loi_init.pl1	bound_io_init	A 1385
loi_interrupt.pl1	bound_lom_wired	A 1385
loi_promote.pl1	bound_lom_active	A 1385
loi_queue.alm	bound_lom_wired	A 1385
loi_set_event.pl1	bound_lom_active	A 1385
loi_timeout.pl1	bound_lom_active	A 1385
loi_timer.pl1	bound_lom_wired	A 1385
loi_util.alm	bound_lom_wired	A 1385
loi_workspace.pl1	bound_lom_active	A 1385
lom_data_init.pl1	bound_temp_1	R 1385
lom_manager.alm	bound_priv_1	R 1385
phcs_.mexp	-	R 1385
pioi_.mexp	-	A 1385
printer_status.pl1	bound_lom_wired	R 1386

II. Segment Change Log (continued)

Segment Name	Bound Segment	Change #
set_smic_pattern.pl1	bound_temp_1	A 1385
tape_attach.pl1	bound_iom_active	A 1385
tape_attach_.pl1	bound_tape_	R 1385
tape_init.pl1	bound_io_init	R 1385
tdcm.pl1	bound_iom_active	D 1385
tdcm_.pl1	bound_tape_	A 1385
tdcm_status.pl1	bound_iom_wired	D 1385
tdcm_status_.pl1	bound_tape_	A 1385
Include Files		
bdw.incl.pl1		D 1385
cat.incl.pl1		D 1385
cct.incl.pl1		D 1385
dst.incl.pl1		R 1385
gss.incl.pl1		D 1385
lobm_data.incl.pl1		A 1385
loi_data.incl.pl1		A 1385
loi_stat.incl.pl1		A 1385
iom_data.incl.pl1		R 1385
iom_data.incl.pl1		R 1385
iom_dcw.incl.pl1		R 1385
iom_stat.incl.pl1		R 1385
safety.incl.pl1		D 1385
swd.incl.pl1		D 1385
tape_data.incl.pl1		R 1385
tape_info.incl.pl1		A 1385
wired_loi_data.incl.pl1		A 1385
Bindfiles		
bound_gim_active.bind		D 1385
bound_io_init.bind		R 1385
bouno_iom_active.bind		R 1385
bound_iom_wired.bind		R 1385
bound_tape_.bind		R 1385
bound_temp_1.bind		R 1385

III. Bound Segment Change Log

<u>Bound Segment</u>	<u>Change</u>
bound_priv_1	replaced: iom_manager
bound_iom_wired	added: ioi_interrupt ioi_caller ioi_getwork ioi_util ioi_queue ioi_timer lobm deleted: tdcn_status gioc_stat
bound_iom_active	added: tape_attach ioi_assign ioi_assign_cte ioi_assign_dte ioi_assign_channels ioi_assign_device ioi_abort ioi_connect ioi_check ioi_get_status ioi_promote ioi_set_event ioi_timeout ioi_workspace ioi_buffer deleted: tdcn
bound_io_init	added: ioi_init lobm_init replaced: io_init tape_init deleted: initialize_gim
bound_temp_2	replaced: init_hardcore_gates
bound_temp_1	added: set_smic_pattern replaced: iom_data_init
bound_tape_	added: tdcn_ tdcn_status_ replaced: tape_attach_

III. Bound Segment Change Log (continued)

<u>Bound Segment</u>	<u>Change</u>
bound_gim_active	deleted: check gim_alloc gim1 gim2 gim3 gim4 channel gim_assign

IV. Header Change Log

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The following changes were made to the hardcore header. The segment names `tape_data` and `bound_gim_active` were deleted. The fabricate segment names deleted were: `gim_abs_seg`, `gim_status_seg`, `cat_seg`, and `paged_tape_data`. The segment name `pioi_` was added. The fabricate segment names `wired_ioi_data`, `ioi_data`, `tape_data`, and `iobm_data` were added. The entry names `tdcm_status` and `gioc_stat` were deleted, and the entry names `ioi_interrupt`, `ioi_caller`, `ioi_getwork`, `ioi_util`, `ioi_queue`, `ioi_timer`, and `iobm` were added to the segment name `bound_lom_active`. The entry name `set_smic_pattern` was added to the segment name `bound_temp_1`. The entry name `initialize_gim` was deleted and the entry name `ioi_init` was added to the segment name `bound_io_init`. The entry name `tdcm` was deleted and the entry names `tape_attach`, `ioi_assign`, `ioi_priv_assign`, `ioi_hardware_assign`, `ioi_special_assign`, `ioi_unassign`, `ioi_special_unassign`, `ioi_unassign_force`, `ioi_abort`, `ioi_connect`, `ioi_assign_cte`, `ioi_unassign_cte`, `ioi_assign_dte`, `ioi_unassign_dte`, `ioi_assign_channels`, `ioi_assign_device`, `ioi_get_status`, `ioi_check`, `ioi_promote`, `ioi_set_event`, `ioi_timeout`, `ioi_workspace`, `ioi_buffer` were added to the segment name `bound_lom_active`. The entry name `tdcm_` was deleted from the segment name `hcs_`. The entry names `tdcm_` and `tdcm_priv_` were added to the segment name `bound_tape_`.