

TO: Distribution  
FROM: Grace Ackerman-Lewis  
DATE: February 11, 1975  
SUBJECT: Installation of MSS 24.8

The hardcore system MSS 24.8 was installed on Tuesday, February 4, 1975 at 0903. This system includes: improvements to the ARPA Network File Transfer performance on Multics; changes to reduce the processing costs of reading from the network; a change of the default record data size from 256 words to 1024 words; the addition of gate entries into ring 0 that will detach and reattach the operator's console; the addition of eighteen new error\_table\_codes and the removal of a multiple name from one existing error\_table\_code. The system libraries were updated on Wednesday, February 5, 1975 at 1005.

#### I. System Change Log

Chng MCR

Change

# 1426 832

Changes to improve the ARPA Network File Transfer performance on Multics; changes to reduce the processing costs of reading from the network.

# 1427 842,932

Addition of 18 new error\_table\_codes; a change to remove a multiple name from one existing error\_table\_code and give that name a unique short name and message.

# 1428 457 A change to provide gate entries into ring 0 that will detach and reattach the operator's console.

# 1429 992 A change of the default record data size of Multics standard tapes from 256 words to 1024 words.

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## I. System Change Log (continued)

Chng MCR

Change

## II. Segment Change Log

Segment Name	Bound Segment	Change #
error_table.et	-	R 1427
imp_attach.pl1	bound_imp_dim_	R 1426
imp_cleanup.pl1	bound_imp_dim_	R 1426
imp_data.alm	-	R 1426
imp_dcm_data.pl1	bound_imp_dim_	A 1426
imp_dcm_data_masked.pl1	bound_imp_status	A 1426
imp_dcm_init.pl1	bound_imp_dim_	R 1426
imp_dcm_read.pl1	bound_imp_dim_	R 1426
imp_dcm_write.pl1	bound_imp_status	R 1426
imp_error.pl1	bound_imp_dim_	R 1426
imp_get_buffer.pl1	bound_imp_dim_	R 1426
imp_global_queue.pl1	bound_imp_dim_	R 1426
imp_global_status.pl1	bound_imp_dim_	D 1426
imp_init.pl1	bound_imp_dim_	R 1426
imp_input_processor.pl1	bound_imp_status	R 1426
imp_lock.pl1	bound_imp_dim_	R 1426
imp_misr.pl1	bound_imp_dim_	R 1426
imp_order.pl1	bound_imp_dim_	R 1426
imp_read.pl1	bound_imp_dim_	R 1426
imp_service.pl1	bound_imp_dim_	R 1426
imp_status.pl1	bound_imp_status	R 1426
imp_status_driver.ioc	bound_imp_status	R 1426
imp_util_wired.pl1	bound_imp_status	R 1426
imp_wired_buffer.pl1	bound_imp_status	R 1426
imp_write.pl1	bound_imp_dim_	R 1426
imp_write_service.pl1	bound_imp_status	R 1426
init_hardcore_gates.pl1	bound_temp_2	R 1426
ncp_status.pl1	bound_network0_	R 1426
net_.mexp	-	R 1426
netp_.mexp	-	R 1426
plol_.mexp	-	R 1428
tape_dim_data.alm	bound_tape_	R 1429

Include Files

imp_dcm_data.incl.pl1	R 1426
imp_dim_buf.incl.pl1	R 1426
imp_dim_data.incl.pl1	R 1426
imp_ihm.incl.pl1	R 1426
imp_ms.incl.pl1	R 1426
imp_queues.incl.pl1	R 1426

## II. Segment Change Log (continued)

<u>Segment Name</u>	<u>Bound Segment</u>	<u>Change #</u>
imp_read_write.incl.pl1		R 1426
imp_wired_buffers.incl.pl1		R 1426
<b>Bindfiles</b>		
bound_imp_dim_.bind		R 1426
bound_imp_status.bind		R 1426

## III. Bound Segment Change Log

<u>Bound Segment</u>	<u>Change</u>
bound_imp_status	added: imp_dcm_data_masked replaced: imp_status imp_input_processor imp_wired_buffer_ imp_write_service imp_util_wired imp_dcm_write imp_status_driver
bound_imp_dim_	added: imp_dcm_data replaced: imp_lock imp_service imp_get_buffer imp_read imp_dcm_read imp_write imp_global_queue imp_order imp_attach imp_misc imp_error imp_init imp_cleanup imp_dcm_init deleted: imp_global_status
bound_tape_	replaced: tape_dim_data_
bound_network0_	replaced: ncp_status_
bound_temp_2	replaced: init_hardcore_gates

#### IV. Header Change Log

The following changes were made to the hardcore header: the name `imp_dcm_data` was added to `bound_imp_dim_`; the name `imp_dcm_data_masked` was added to `bound_imp_status`; the entry `imp_dim_gate` was deleted, and the `max_length` in `imp_wired_buffers` was changed from 3 to 7.