

TO: Distribution
FROM: R. B. Rakip
DATE: December 14, 1973
SUBJECT: Installation of MSS 21.6

The hardcore system, MSS 21.6, was installed at 15:50 on Wednesday, December 12, 1973. This system consisted of the installation of a "fast gate" mechanism, the remaining portion of the MTS-500 support and various Salvager changes; the changing of the access control name for the Initializer process; the unwiring of the version 1 PL/I operators segment and bug fixes in the segments act_proc, system_control_, emergency_shutdown, page_error, bulk_store_control and ncp_fbop_. The system libraries were updated at 17:50 on Thursday, December 13, 1973.

I. System Change Log

<u>Change #</u>	<u>Change</u>
1201	Provide a mechanism for "fast gates".
1202	Fix TDCM for compatibility with MTS-500.
1203	Change the initializer process access control name to "Initializer.SysDaemon.z".
1204	Make minor improvements in system_control_ to eliminate some initializer lockups.
1205	Fix process destruction so that initializer will not wait on 177 event codes.

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I. System Change Log (continued)

<u>Change #</u>	<u>Change</u>
1206	Put version 2 PL/I operators segment in bound_sss_wired_ and make the version 1 PL/I operators segment free-standing and non-wired.
1207	Change the online salvager for the capability of adding disks to Multics via a config deck change and salvager run; fix a bug in emergency shutdown for the salvager.
1208	Remove the checking of addresses starting with "777..." as null address.
1209	Put a timeout in bulk_store_control so it will retry operation if bulk store does not respond to a connect.
1210	Correct the last known host number dependency in ARPA Network software.
1211	Obtain fresh and up-to-date listings for various segments and fix an editing error in error_table_. Replace a bad copy of bound_imp_status.bind in its object archive.

II. Segment Change Log

<u>Segment Name</u>	<u>Bound Segment</u>	<u>Change #</u>
absentee_test_.alm	-	D 1201
absentee_test_.mexp	-	R 1201
acl.pl1	bound_file_system	R 1203
act_proc.pl1	bound_process_creation	R 1203
act_proc.pl1	bound_process_creation	R 1205
admin_gate_.mexp	-	R 1201,1202
append.pl1	bound_file_system	R 1203
bulk_store_control.alm	bound_page_control	R 1209
check_gate_acl_.pl1	bound_file_system	R 1203
emergency_shutdown.alm	-	R 1209
error_table_.et	-	R 1211
get_defname.pl1	bound_file_system	R 1211
hcs_.mexp	-	R 1201,1202
hphcs_.alm	-	D 1201
hphcs_.mexp	-	R 1201
imp_dlm_gate_.alm	-	D 1201
imp_dlm_gate_.mexp	-	R 1201
imp_status_wired.pl1	bound_lom_wired	R 1211
imp_thread.pl1	bound_imp_status	R 1211
message_table_.mt	-	R 1211
ncp_fbop_.pl1	-	R 1210
net_.alm	-	D 1201

II. Segment Change Log (continued)

<u>Segment Name</u>	<u>Bound Segment</u>	<u>Change #</u>
net_.mexp	-	
netp_.alm	-	R 1201
netp_.mexp	-	D 1201
page_error.alm	bound_page_control	R 1201
pds.alm	-	R 1209
phcs_.mexp	-	R 1203
pl1_operators.alm	-	R 1201
pl1_operators.alm	bound_sss_wired_	A 1206
pl1_operators_.alm	-	D 1206
pl1_operators_.alm	bound_sss_wired_	D 1206
printer_init.pl1	bound_lo_init	A 1206
salv_check_map.pl1	bound_salvager	R 1211
salv_check_ptr.pl1	bound_salvager	R 1208
salv_check_thread.pl1	bound_salvager	R 1208
salv_free_store.alm	bound_salvager	R 1208
scs.alm	-	R 1207
system_control_.pl1	-	R 1203
tape_data.alm	-	R 1204
tape_init.pl1	bound_lo_init	R 1202
tdcm.pl1	bound_lom_active	R 1202
tdcm_status.pl1	bound_lom_wired	R 1202
template_pit.alm	-	R 1202
wired_shutdown.pl1	bound_tc_wired	R 1203
xray_communications.alm	-	R 1207
		R 1211
<u>Include Files</u>		
create_info.incl.pl1		R 1205
pdmap_header.incl.pl1		A 1207
tape_data.incl.pl1		R 1202
tseg.incl.pl1		R 1202
<u>Bind Files</u>		
bound_imp_status.bind		R 1211
bound_lom_active.bind		R 1202
bound_sss_wired_.bind		R 1206

III. Bound Segment Change Log

<u>Bound Segment</u>	<u>Change</u>
bound_file_system	Replaced aci append check_gate_aci_ get_defname

III. Bound Segment Change Log (continued)

<u>Bound Segment</u>	<u>Change</u>
bound_imp_status	Replaced imp_thread
bound_io_init	Replaced printer_init tape_init
bound_lom_active	Replaced tdcn
bound_lom_wired	Replaced imp_status_wired tdcn_status
bound_page_control	Replaced bulk_store_control page_error
bound_process_creation	Replaced act_proc act_proc
bound_salvager	Replaced salv_check_map salv_check_ptr salv_check_thread salv_free_store
bound_sss_wired_	Added pl1_operators_ Deleted pl1_operators
bound_tc_wired	Replaced wired_shutdown

IV. Header Change Log

Change #1202 changed the cur_length for tape_data to 2660; change #1203 changed all aci entries for ".sys_control.a" to "Initializer.SysDaemon.z"; change #1206 took the name pl1_operators off the entry for bound_sss_wired_ and added pl1_operators_, deleted the old entry for pl1_operators_ and added a new entry for pl1_operators as a free-standing and non-wired segment.