TO: Distribution

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SUBJECT: Installation of MSS 28.3 & 28.3a

The hardcore system MSS 28.3 was installed on Wed., April 21, 1976. This system includes: a new version of tty_read with new canonicalization rules and EIS processing; the addition of "polite" and "replay" modes; and, "dump_fnp" and "patch_fnp" control operations. The disk and IOI subsystems have been modified to not use the device signal table (DST); and, iom_manager has been modified to use a channel index rather than the device index. The hardcore support for the auto_call facility was also installed at this time. The system libraries were updated at 13:05 on Wed., April 21, 1976.

The hardcore system 28.3a was installed on Wed., April 21, 1976. This system contains an emergency fix to the tty DIM introduced in 28.3. The system libraries were updated on April 22, 1976.

I. System Change Log

Chng MCR   **Change**

1580 1610,1624,1679,1692,1705
         Implements a new version of tty_read with new canonicalization rules and EIS processing; added the "polite" and "replay" modes; added the "dump_fnp" and "patch_fnp" control operations, and fixed bugs of the 3.1 version tty DIM.

1581 1626 The disk and IOI subsystems were modified to not use the DST; iom_manager was modified to use a channel index rather than the device index.

1582 1602 hardcore support for the auto_call facility.

1583 1697 Fixes bug in get_process_id_ which caused 2 unnecessary hcs_ calls if any of its entries were called.

I. System Change Log (continued)

Chng MCR   Change

\# 1584 ---- Fixes bug in tty_read introduced in 28.3.

II. Segment Change Log

Segment Name	Bound Segment	Change #
disk_control.pl1	bound_page_control	R 1581
disk_init.pl1	bound_temp_1	R 1581
disk_special_handler.pl1	bound_iom_wired	R 1581
dn355.pl1	bound_355_wired	R 1580,1,2
dn355_messages.alm	bound_355_wired	R 1580,1582
error_table_.et	-	R 1582
get_process_id_.pl1	-	R 1583
hphcs_.mexp	-	R 1580
imp_dcm_init.pl1	bound_imp_dim_	R 1581
imp_status.pl1	bound_imp_status	R 1581
ioi_assign.pl1	bound_iom_active	R 1581
ioi_assign_channels.pl1	bound_iom_active	R 1581
ioi_assign_cte.pl1	bound_iom_active	R 1581
ioi_assign_device.pl1	bound_iom_active	D 1581
ioi_assign_dte.pl1	bound_iom_active	R 1581
ioi_assign_gte.pl1	bound_iom_active	A 1581
ioi_buffer.pl1	bound_iom_active	R 1581
ioi_check.pl1	bound_iom_active	R 1581
ioi_connect.pl1	bound_iom_active	R 1581
ioi_get_special_status.pl1	bound_iom_active	R 1581
ioi_getwork.pl1	bound_iom_wired	R 1581
ioi_init.pl1	bound_io_init	R 1581
ioi_interrupt.pl1	bound_iom_wired	R 1581
ioi_log_status.pl1	bound_iom_wired	A 1581
ioi_reset_channel.pl1	bound_iom_wired	R 1581
ioi_set.pl1	bound_iom_active	R 1581
ioi_set_status.pl1	bound_iom_active	R 1581
ioi_suspend_devices.pl1	bound_iom_active	R 1581
ioi_timer.pl1	bound_iom_wired	R 1581
ioi_usurp_channels.pl1	bound_iom_active	A 1581
ioi_workspace.pl1	bound_iom_active	R 1581
iom_data_init.pl1	bound_temp_1	R 1581
iom_manager.alm	bound_priv_1	R 1581
oc_data_init.pl1	bound_temp_1	R 1581
ocdcm_.pl1	bound_error_wired	R 1581
periph_io.pl1	bound_util_print	R 1581
phcs_.mexp	-	R 1580
rcp_init.pl1	bound_io_init	R 1581
tape_io.pl1	-	R 1581

II. Segment Change Log (continued)

Segment Name	Bound Segment	Change #
trace.pl1	bound_iom_wired	R 1581
trace_init.pl1	bound_temp_1	R 1581
tty_.pl1	bound_iox_	R 1580,1582
tty_canon.pl1	bound_tty_active	A 1580
tty_con.pl1	bound_tty_active	D 1580
tty_free.pl1	bound_355_wired	R 1580
tty_index.pl1	bound_tty_active	R 1580,1582
tty_init.pl1	bound_io_init	R 1581
tty_lock.pl1	bound_355_wired	R 1580
tty_read.pl1	bound_tty_active	R 1580,1584
tty_tables.alm	bound_tty_active	R 1580
tty_util_.alm	bound_tty_active	R 1580
tty_write.pl1	bound_tty_active	R 1580

Include Files

dn355_data.incl.pl1		R 1580
dskdcl.incl.pl1		R 1581
fnp_dump_seg.incl.pl1		A 1580
iol_syserr_msg.incl.pl1		A 1581
iom_data.incl.alm		R 1581
iom_data.incl.pl1		R 1581
iom_scw.incl.pl1		R 1581
mailbox_ops.incl.pl1		R 1580
syserr_msg_iol.incl.pl1		D 1581
tty.incl.pl1		R 1580
tty_convert.incl.pl1		R 1580
tty_mode_names.incl.pl1		R 1580
wired_io_disk_data.incl.pl1		A 1581
wired_iol_data.incl.pl1		R 1581

Bindfiles

bound_iom_active.bind		R 1581
bound_iom_wired.bind		R 1581
bound_tty_active.bind		R 1580

III. Bound Segment Change Log

Bound Segment	Change	
bound_355_wired	replaced:	dn355
		dn355_messages
		tty_free
		tty_lock

III. Bound Segment Change Log (continued)

Bound Segment	Change	
bound_error_wired	replaced:	ocdcm_
bound_imp_dim_	replaced:	imp_dcm_init
bound_imp_status	replaced:	imp_status
bound_io_init	replaced:	rcp_init tty_init ioi_init
bound_iom_active	added: replaced: deleted:	ioi_assign_gte ioi_usurp_channels ioi_assign ioi_assign_cte ioi_assign_dte ioi_assign_channels ioi_suspend_devices ioi_connect ioi_check ioi_get_special_status ioi_set ioi_set_status ioi_workspace ioi_buffer ioi_assign_device
bound_iom_wired	added: replaced:	ioi_log_status ioi_interrupt ioi_getwork ioi_reset_channel ioi_timer disk_special_handler trace
bound_iox_	replaced:	tty_
bound_page_control	replaced:	disk_control
bound_priv_1	replaced:	iom_manager
bound_temp_1	replaced:	disk_init iom_data_init trace_init oc_data_init

III. Bound Segment Change Log (continued)

Bound Segment   **Change**

bound_tty_active   added: tty_canon
                                    replaced: tty_tables
                                               tty_write
                                               tty_util_
                                               tty_read
                                               tty_index
                                    deleted: tty_con

bound_util_print   replaced: periph_io

IV. Header Change Log

The lengths of disk_seg, iom_data, and wired_iom_data were
changed to 628, 576, and 648 respectively. The fabricate segment
fnp_dump_seg was added, and the names ioi_unassign_force and
ioi_assign_device were deleted from the segment bound_iom_active.
The name ioi_assign_group was added to bound_iom_active.