

TO: Distribution
FROM: George T. Williams
DATE: September 12, 1977
SUBJECT: Installation of MSS 31.14

I. SYSTEM CHANGE LOG

MCR MODIFICATIONS FOR MSS 31.14

- 2681 Corrects some bugs in utility_print:
1. Unwire the procedure.
 2. Notify operator when the printer is not available; return an error code if printer is unavailable after 3 minutes. The error code will allow the calling program to optionally put out the salvager message on the operator's console.
 3. Have the utility utility_print\$init wait for the printer the first time it is called but not wait on subsequent calls.
- 2711 Detect upgraded directories with no quota when online salvaging.
- 2739 Change the salvager to not dump parent directories for connection failures.
- 2769 Update the directory salvager to use system primitives for directory activation/deactivation, directory addressing and the reading and updating of VTOC entries. Remove quota checking from the check_vtoce option of the salvager.
- 2780 Save branch when a connection failure is detected during directory salvage.

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II. SEGMENT CHANGE LOG

SEGMENT NAME		BOUND SEGMENT
check_vtoce_branch.pl1	D	bound_salvager
dir_dump.pl1	R	bound_salvager
disk_rebuild.pl1	R	bound_salvager
hardcore.header	R	-
hphcs_.aim	R	-
on_line_salvager.pl1	R	bound_salvager
salv_activator.pl1	D	bound_salvager
salv_caller.pl1	R	bound_adxhdx_
salv_check_map.pl1	D	bound_salvager
salv_check_vtoce_.pl1	A	bound_salvager
salv_data.cds	R	-
salv_delete_names.pl1	D	bound_salvager
salv_dir_checker_.pl1	R	bound_salvager
salv_directory.pl1	A	bound_salvager
salv_err_msg.pl1	R	bound_salvager
salv_print.aim	D	bound_salvager
salv_print_online.pl1	R	bound_salvager
salv_truncate.pl1	D	bound_salvager
salvage_directory.pl1	D	bound_salvager
salvage_entry.pl1	D	bound_salvager
salvage_pv.pl1	R	bound_salvager
salvager.pl1	R	bound_salvager
utility_print.pl1	R	bound_util_print
vm_vlo.pl1	R	bound_salvager
vtoc_attributes.pl1	R	bound_system_faults

BIND SEGMENTS

bound_file_system.bind	R
bound_system_faults.bind	R

INCLUDE SEGMENTS

salv_args.incl.pl1	A
salv_data.incl.pl1	R
salv_dir_checker_args.incl.pl1	D
vtoce_perm_info.incl.pl1	A
vtoce_salv_update.incl.pl1	A