

TO: Distribution
FROM: Betsy Kerr
DATE: 7 April 75
RE: Multics Change Requests Index

Enclosed is an index of all MCR's issued from November, 1974 through March, 1975. This Index is an addition to MTB-138 and should be attached thereto making the Index complete.

This Index shows the status of every MCR in the following format:

<u>MCR</u> <u>No.</u>	<u>Action</u> <u>Taken and Date</u>	<u>Author</u>	<u>Title</u>
	A - Approved		
	P - Postponed		
	W - Withdrawn		
	R - Rejected		

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1096	A	03/25/75	S. Herbst	Make dprint test for zero length segment or MSF
1095	A	03/25/75	S. Herbst	Change dprint total line
1094	A	03/25/75	S. Herbst	Fix bug in find_common_aci_names_
1093	A	03/25/75	M. Asherman	Fix bug in record_stream_
1092	A	03/25/75	J. Broughton	Fix bug in stu_
1091	A	03/25/75	R. Morrison	GCOS Daemon to run jobs in Ring 5
1090	A	03/25/75	P. Green	Fix Ring 4 tty dim to make ios_ work with dialed terminals
1089	A	03/25/75	P. Green	Change answering service to work with MCS
1088	A	03/25/75	F. Smith	Mailing pages for account bills
1087	A	03/25/75	F. Smith	Resorting of daily summaries
1086	A	03/25/75	P. Green	Fix bugs in convert_authorization_
1085	A	03/25/75	L. Scheffler	Install print_auth_names and print_proc_auth
1084	A	03/25/75	S. Webber	Fix bug in link_unsnap_ caused by 25-3 links
1083	A	03/25/75	P. Barnes	Install pi1_operators_ and record_io_
1082	A	03/25/75	R. Coren	Add new modes for terminals
1081	A	03/25/75	R. Coren	Change error code returned by tty_ "modes"
1080	A	03/18/75	S. Barr	Fix bugs in debug
1079	A	03/18/75	T. Casev	Fix problems in svstem_monthly_report
1078	A	03/18/75	S. Webber	Do not use user-ring modified machine conditions
1077	A	03/18/75	B. Greenberg	Fix reconfiguration mask setting bug
1076	A	03/18/75	R. Morrison	GCOS Simulator

1075	A	03/18/75	R. Morrison	GCOS Simulator
1074	P	03/18/75	P. Green	Make ESD more fail-safe
	A	03/25/75	for N. Morris	
1073	A	03/11/75	N. Morris	Provide new functions for RCS SAVE/RESTOR
1072	A	03/11/75	M. Grady	355 reliability improvement
1071	A	03/11/75	M. Grady	Change to tty_ctl for MDS2400
1070	W	03/11/75	M. Grady	Change to MCR form
1069	A	03/11/75	R. Kanodia	formline_ and imp_dim bug fixes
1068	A	03/11/75	R. Mabee	Potential bugs in hardcore
1067	A	03/11/75	R. Bratt	Rewrite find_
1066	A	03/11/75	R. Bratt	New error codes
1065	A	03/11/75	R. Schoeman	Install a new PL1 I/O runtime package
1064	A	03/11/75	D. Levin	Improved FORTRAN I/O package
1063	A	03/11/75	D. Levin	Fix bugs in arc tangent routines
1062	A	03/11/75	S. Herbst	Fix bug in status -mode
1061	R	03/11/75	S. Herbst	Change error message in delete command
1060	A	03/11/75	J. Gintell	Add -total control argument to cumulative_page_trace
1059	P	03/11/75	A. Mason	Add too_many_cls code to error_table_
	W	03/18/75		
1058	P	03/11/75	A. Scherer	Install library_fetch command
	R	03/25/75		
1057	P	03/11/75	A. Scherer	Revise submission testing programs to use library_fetch_
	A	03/25/75		
1056	A	03/04/75	P. Green	Bring ring_zero_meter_limits_ASCII_ up-to-date
1055	A	03/04/75	R. Silver	Fix bug in pioi_
1054	A	03/04/75	R. Mullen	reload directly to target segment
1053	A	03/04/75	T. Casey	Fix bugs in ed_mgt
1052	A	03/04/75	T. Casey	Recompile system_daily_report
1051	A	03/04/75	S. Herbst	Warn of useless control args in dprint
1050	A	03/04/75	R. May	Move Language Group Info Segs to >doc>iis.
1049	W	03/04/75	T. VanVleck	Remove actind and actime from branch
1048	A	03/04/75	F. Martinson	Move GCOS modules from tools to system_library_unbundled
1047	A	03/04/75	F. Martinson	Expand active_all_rings_data; change gm to accept -versid arg
1046	A	03/04/75	A. Kobziar	Defining an Access Class Ceiling
1045	A	03/04/75	T. Casey	New administrative exec_coms
1044	P	02/25/75	A. Berglund	Install tolts_overseer_
	A	03/25/75	for J. Rhodes	
1043	P	02/25/75	A. Berglund	Total On Line Test System (TOLTS) and Peripheral On-Line Test System (POLTS)
	A	03/25/75	for J. Rhodes	

1042	A	02/25/75	G. Dixon	New Library Tools: library_map, library_print, library_desciptor
1041	A	02/25/75	N. Morris	Fix 2 CPU bug in IOI queuing module
1040	A	02/25/75	R. Mullen	pxss bug fixes
1039	A	02/25/75	R. Mullen	Implement set\$set_for_reloader
1038	A	02/25/75	R. Mullen	rtape_ for reloader
1037	A	02/25/75	R. Mullen	pioi_\$set_max_buffer_length (interim)
1036	A	02/25/75	R. Coren	Fix build355 and map355 access problem
1035	A	02/25/75	T. Casey	Bug fixes to answering service hash table routines
1034	A	02/25/75	S. Herbst	Add message segment get_mode entries
1033	A	02/25/75	N. Morris	Provide interim solution in I/O Interfacer for "stuck" channel problem
1031	R	02/18/75	A. Kobziar	Improved handling of Initial ACLS by append
1030	P W	02/18/75 02/25/75	A. Kobziar	Dumper Changes for Access Isolation
1029	A	02/18/75	R. Bratt	Move hcsent to active_all_rings_data
1028	A	02/18/75	R. Bratt	Fix and Restructure setdefaults
1027	A	02/18/75	S. Herbst	Fix bug in status command
1026	A	02/18/75	S. Herbst	Remove absolute pathname from pi1
1025	A	02/18/75	S. Herbst	Fix bug in adjust_bit_count_
1024	P A	02/18/75 03/11/75	J. Stern	Introducing users to IO Daemon queue groups
1023	A	02/18/75	T. Casey	Emergency fix to hash_
1022	R	02/11/75	S. Herbst	Declare unaligned arguments in change_wdir_entries
1021	A	02/11/75	N. Morris	Improve Multics Disk DIM
1020	P A	02/11/75 02/18/75	N. Morris	Allow use of disk through I/O Interfacer
1019	A	02/11/75	N. Morris	Fix Bug in Metering of IOM Interrupts
1018	A	02/11/75	R. Morrison	GCOS Simulator
1017	A	02/11/75	N. Morris	Fix page counting error in print conversion
1016	A	02/11/75	M. Weaver	Add routines to process entry values
1015	P A	02/11/75 03/04/75	S. Webber	Change command processor for new argument convention for commands

1014	A	02/11/75	T. Casey	Fix bugs in admin_util and parse_attributes_
1013	A	02/11/75	S. Webber	Install FIS version of listen_ and command_processor_
1012	A	02/04/75	M. Asherman	Install record_stream_module
1011	A	02/04/75	T. Casey	New List Command
1010	A	02/04/75	R. Klinger	Install tape_ansi and tape_ibm_ I/O Modules
1009	A	02/04/75	L. Johnson	Changes to formline_iteration loops
1008	A	02/04/75	S. Herbst	Fix inconsistency in set_acl
1007	P W	02/04/75 02/18/75	S. Vestal	New Multics Card Input Facility
1006	A	01/28/75	T. Vanvleck	Fix bugs in trace_stack
1005	P W	01/28/75 02/25/75	S. Herbst	Add -from and -to options to trace_stack
1004	R	01/28/75	S. Herbst	Change operation of term_
1003	R	01/28/75	S. Herbst	Remove explicit references to system_library_dev
1002	A	01/28/75	S. Barr	Prevent an attempt to free non-allocated storage in check_info_segs
1001	A	01/28/75	T. Casey	Fix bugs in print_disk and disklow
1000	A	01/28/75	S. Webber	Remove page control from ring 0
0999	A	01/28/75	F. Smith	Extension to user_info_
0998	P A	01/28/75 02/18/75	T. Vanvleck	Add checking on segment names to editors
0997	A	01/28/75	T. Vanvleck	Describe printed output modes on tail sheet
0996	P W	01/28/75 02/18/75	T. Vanvleck	Add Selective Printing to Help Command
0995	A	01/28/75	T. Vanvleck	Minor fix to indent
0994	A	01/28/75	T. Vanvleck	Remove un-documented special characters from TTY and printer dims
0993	A	01/28/75	S. Herbst	Implement "-long" option of initiate
0992	A	01/28/75	B. Silver	New default Multics standard tape record size
0991	A	01/21/75	N. Morris	Modify tape attachment module to rotate assignment of tape drives

0990	A	01/21/75	D. Levin	Emergency fix to Fortran I/O to Add a finish Handler
0989	A	01/21/75	B. Greenberg	New Page Control, Phase I: Continued development and ultimate installation thereof
0988	A	01/21/75	P. Green	Delete hphcs_\$star_no_acc_ck
0987	A	01/21/75	R. Barnes	Emergency Fix to PL/I I/O to Add a Finish Handler
0986	A	01/21/75	J. Stern	A New Translator for IO Daemon Parm's
0985	W	01/21/75	S. Herbst	Disable "do" active function
0984	A	01/21/75	S. Herbst	Change link chasing in append
0983	W	01/21/75	S. Herbst	Enable command_query_ to repeat query
0982	A	01/21/75	T. Casey	Fix bug in new_user
0981	P W	01/21/75 02/11/75	P. Green	Extend system command/active function
0980	A	01/21/75	L. Scheffler	Move copy entry from syserr_logger to syserr_log_copy
0979	A	01/21/75	N. Morris	Fix bug in BOS RESTOR Command
0978	P A	01/21/75 01/28/75	J. Stern	Handling of device class arguments by dprint/dpunch
0977	A	01/21/75	R. Mullen	Backup Bug Fixes
0976	A	01/14/75	S. Herbst	Fix inconsistencies in ms commands
0975	A	01/14/75	J. Whitmore	Restructure the IO Daemon driver software
0974	P A	01/14/75 02/11/75	S. Webber	Change format of iocb's
0973	P W	01/14/75 02/11/75	S. Webber	Change definition of iox_get_line
0972	A	01/14/75	A. Kobziar	Fix Zeroing of Branch Pad by Salvager
0971	A	01/14/75	L. Johnson M. Grady	Changes to tty_ctl
0970	A	01/14/75	J. Gintell	Modify page_trace to properly interpret linkage fault information
0969	P W	01/14/75 01/28/75	S. Herbst	Fix inconsistency in set_acl
0968	A	01/14/75	R. Klinger	Fix bug in sort_seg_
0967	A	01/14/75	N. Morris	Provide Truncate mode for printed output

0966	A	01/07/75	M. Grady	bug fixes to tty_write
0965	A	01/07/75	S. Herbst	Chase links in copy_ser_
0964	A	01/07/75	S. Herbst	Implement have_mail active function
0963	A	01/07/75	D. Wells	Improvements to Server TELNET (ntw_)
0962	A	01/07/75	D. Wells	Alterations to Answering Service portion of File Transfer Server
0961	A	01/07/75	D. Wells	Upgrade Server TELNET to new I/O System
0960	A	01/07/75	J. Whitmore	Add bound_ssa_commands_ to tools
0959	A	01/07/75	D. Wells	Install User_ftp command
0958	A	01/07/75	S. Herbst	Fix bug in do command
0957	A	01/07/75	J. Gintell	Convert cumulative_page_trace and page_trace to use iox_
0956	A	01/07/75	L. Johnson	fix bug in form_link_info_
0955	A	01/07/75	L. Johnson	fix bug in print_link_info
0954	A	01/07/75	L. Johnson	fix bug in formline_
0953	A	01/07/75	N. Morris	Fix bug causing BOS DUMP to run off and tape when dumping to tape
0952	A	01/07/75	J. Stern	New control arguments for the dprint command
0951	P A	01/07/75 01/14/75	H. Goldberg	Truncation of head/tail sheets
0950	A	01/07/75	B. Silver	Fix bug in mrdim_
0949	A	01/07/75	N. Morris	Fix BOS bug causing bad card reader status not to be reported
0948	A	01/07/75	S. webber	Move history registers to PDS and return them with rest of fault data when signalling
0947	A	01/07/75	S. Barr	Add probe entry to operator_pointers_
0946	A	12/24/74	B. Greenberg	Zero unwanted interrupts in system controllers
0945	A	12/24/74	S. Webber	Fix bug preventing deletion of bootload CPU
0944	A	12/24/74	N. Morris	Fix I/O Interfacer Bug in computing DCW list connect index
0943	P W	12/24/74 01/28/75	A. Kobziar	Dumper changes for access isolation
0942	R	12/24/74	P. Green	Combine unbound segments in collection 3

0941	A	12/24/74	N. Morris	Fix status reporting bug in I/O Interracer
0940	R	12/24/74	S. Webber	Add entry ncs_\$set_proc_required
0939	A	12/24/74	L. Johnson	Fix bug in ring_1_patch_
0938	A	12/24/74	L. Johnson	Change to lpatch command
0937	P W	12/24/74 01/14/75	L. Scheffler	Increase size of wired syserr buffer in syserr data
0936	A	12/24/74	C. Zethraeus	"if" command
0935	A	12/24/74	F. Smith	Additions to the PIT
0934	A	12/24/74	N. Morris	Implement new Peripheral status reporting mechanism
0933	R	12/24/74	G. Dixon	Rename the Multics System Libraries
0932	A	12/24/74	R. Klinger	error_table_codes for tape_ansi_I/O module
0931	A	12/17/74	P. Green	Fixes for Handling CPU Time
0930	A	12/17/74	M. Grady	file_ Dim Performance Improvement
0929	A	12/17/74	M. Grady	Bug fix - io_call
0928	A	12/17/74	B. Silver	Fix Bug in syserr_logger
0927	A	12/17/74	S. Herbst	Modify cancel_abs_request Error Message
0926	R	12/17/74	S. Herbst	Add "create" Operation to Archive Command
0925	A	12/17/74	S. Barr	Change Trace Control Arguments
0924	A	12/17/74	R. Mabee	Fix Bug in check_mst
0923	R	12/17/74	G. Dixon	Extend reduction_compiler to Handle Push Down Stack Languages
0922	A	12/17/74	G. Dixon	Make Relative Syntax Functions Quick Blocks in RDC Compilers
0921	R	12/17/74	J. Stern	Use of Extended Access Modes in All Rings
0920	A	12/17/74	J. Stern	Access Class Ranges for IO Daemon Device Classes
0919	A	12/17/74	J. Stern	Access Class Banners for Printed Output
0918	A	12/17/74	J. Stern	Page Labels for Printed Output

0917	P	12/17/74	J. Stern	New Control Arguments for the
	W	01/17/75		Dprint Command
0916	A	12/17/74	J. Stern	Handling of Non-SysDaemon IO Drivers
0915	A	12/17/74	J. Stern	IO Daemon Changes for the AIM Environment
0914	A	12/17/74	J. Stern	A "test" Entry Point for set_lock_
0913	A	12/17/74	N. Morris	Fix Bug in Printer Code Conversion
0912	A	12/10/74	R. Mullen	Install Deadline/variable Quanta Scheduler
0911	A	12/10/74	L. Scheffler	Rewrite print_syserr_log
0910	A	12/10/74	R. Morrison	GCOS Daemon
0909	A	12/10/74	R. Morrison	GCOS Simulator
0908	A	12/10/74	R. Morrison	Modify GCOS Terminology
0907	A	12/10/74	A. Kobziar	Changed Reloader Design for Access Isolation
0906	A	12/10/74	A. Kobziar	Fix Salvager Bugs
0905	A	12/10/74	S. Herbst	Implement is_mail active function.
0904	A	12/10/74	P. Green	Fix bug in calculating cpu time
0903	A	12/10/74	M. Meer	Fix brief bug in "progress"
0902	A	12/10/74	R. Franklin	NPS as a front end for Multics
0901	A	12/10/74	D. Kayden	Extend Memory Configuration Options
0900	A	12/10/74	N. Morris	Remove queued connect facility from I/O Interfacer
0899	A	12/10/74	D. Levin	Emergency fix to FORTRAN compiler
0898	A	12/10/74	S. Herbst	Move up ACL commands to tools
0897	A	12/10/74	F. Smith	New Miscellaneous Charging Procedures
0896	A	12/10/74	D. Jordan	Increase size of hardcore source archives
0895	A	12/10/74	A. Scherer	Fix gls bug which prevents tools source from being fetched when gls is used with no -sys arguments
0894	A	12/10/74	S. Herbst	Modify adjust_bit_count_ on MSF!
0893	A	12/03/74	E. Stone	Delete the procedure move_device

0892	W	12/03/74	N. Morris	Provide means to load firmware onto disk
0891	A	12/03/74	N. Morris	Modify nstd_ to accept density in tape name
0890	A	12/03/74	N. Morris	Fix bugs in attaching and detaching tapes
0889	A	12/03/74	N. Morris	Fix odd length record problem reading tape
0888	A	11/26/74	S. Barr	Correct errors in debug
0887	A	11/26/74	S. Herbst	Fix bug in archive
0886	A	11/26/74	S. Herbst	Incorporate library ACL commands in set_acl
0885	A	11/26/74	J. Stern	Fix bugs in word_list
0884	A	11/26/74	B. Silver	Fix bug in convert_ipc_code_
0883	A	11/26/74	B. Silver	Fix bug in oc_data_init
0882	A	11/26/74	T. Casey	Bug fixes and a new feature in gc command and associated subroutines
0881	A	11/26/74	S. Herbst	Fix bug in msu_
0880	P W	11/26/74 12/10/74	L. Scheffler	Modifications to print_svserr_log
0879	A	11/26/74	P. Green	Fix bug in make_branches
0878	A	11/26/74	R. May N. Morris	Extend DPRINT to accept non-edited option
0877	P A	11/19/74 11/26/74	K. Pogran	Addition of the NLST command to the File Transfer Server Environment
0876	P A	11/19/74 11/16/74	K. Pogran	Changes to bound_ftp_server_
0875	A	11/19/74	B. Greenberg	t_and_d_ gate
0874	P W	11/19/74 02/11/75	B. Greenberg	T & D core claiming interface
0873	A	11/19/74	B. Greenberg	Implement DELMEM command
0872	A	11/19/74	B. Greenberg	Automatic page deletion
0871	A	11/19/74	P. Green	Fix security hole in init_branches
0870	A	11/19/74	S. Webber	Install new pli_operators_ for call/push/return improvements.
0869	A	11/19/74	S. Webber	Change pli_frame_ and get_entry_name_ to expect new entry pointer values
0868	A	11/19/74	S. Webber	Fix bug in mexp

0867	A	11/19/74	S. Herbst	Fix bug in change_tuning_parameters
0866	A	11/19/74	S. Herbst	Fix bug in get_quota
0865	A	11/19/74	S. Barr	Modify grab_tape_drive to be compatible with system 24.i
0864	W	11/19/74	H. Goldberg	Modifications to IO Daemon System
0863	A	11/19/74	S. Barr	Installation of user command, trace
0862	P A	11/19/74 02/11/75	J. Phillipps	Spooling Facility for Print Requests
0861	A	11/19/74	L. Scheffler	Fix bug in vserr_log size computation
0860	A	11/19/74	D. Vinograd	Cross check for salvage not preceded by a shutdown.
0859	A	11/19/74	A. Mason	Delete ret_entry_name and get_deframe
0858	A	11/19/74	E. Stone	Fix inconsistent declaration of ACL tag
0857	A	11/19/74	J. Stern	Printing of access classes by iar/ldr
0856	A	11/19/74	N. Morris	Modify nonstandard tape DIM for 1600 bpi
0855	A	11/19/74	N. Morris	Modify I/O Daemon for new printer DIM
0854	A	11/12/74	N. Morris	Modify Multics printer DIM to use I/O Interfacer
0853	A	11/12/74	N. Morris	Add PRU1200/1600 printer support to BOS
0852	A	11/12/74	C. Clingen	Upgrade peruse_text to Version 2 PL/I
0851	A	11/12/74	M. MacLaren	Remove extend option on iox_\$open
0850	A	11/12/74	E. Stone	Fix bug in acl_
0849	A	11/5/74	B. Greenberg	Add symbolic tag designations to ALM
0848	A	11/5/74	S. Herbst	Fix bug in answer command
0847	A	11/5/74	S. Herbst	Fix bug in compare
0846	P U	11/5/74 11/12/74	S. Herbst	Fix commands to handle "".
0845	A	11/5/74	S. Herbst	Fix bug in mseg_index_
0844	A	11/5/74	J. Whitmore	Add error code checks to change_wdir