

TO: MIB DISTRIBUTION  
 FROM: Peter B. Kelley  
 DATE: December 19, 1975  
 SUBJECT: ONLINE INSTALLATION CHANGES

The following is a list of changes to the standard service system, tools, network, unbundled, author maintained and installation maintained libraries for the week beginning December 15, 1975.

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MCR # : Explanation briefly summarizing the modification.

DATE	SEGMENT NAME	LIBRARY
	COMPONENT changes (if any)	

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MCR's 1381, 1427: The segment bound\_binder\_ (SSS) was replaced to change the binder to refuse to bind segments which have break maps, and, to fill in the new static length field in linkage headers. The components dissect\_object\_ and binder\_ were replaced.

12/15/75	1237.9	bound_binder_ replaced in SSS
	replaced:	binder_ dissect_object_
12/15/75	1237.9	linkdcl.incl.pl1 replaced in INCL
12/15/75	1237.9	binder_changes.info replaced in INFO

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MCR 1458: The component set\_max\_length of bound\_fscom1\_ (SSS) was replaced to restrict the setting of max\_length to whole pages (1024 words).

12/15/75	1256.1	bound_fscom1_ replaced in SSS
	replaced:	set_max_length

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MCR 1193: The segment edm (SSS) was replaced to add the "move" request to move text from one location in a segment to another. Please type "help edm" and "help edm\_changes".

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12/15/75 1321.5 edm replaced in SSS  
12/15/75 1321.5 edm\_changes.info added to INFO  
12/15/75 1321.5 edm.info replaced in INFO

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MCR 1526: The new utilities get\_temp\_segments\_,  
release\_temp\_segments\_, and list\_temp\_segments were added to SSS  
for temporary segment management.

12/15/75 1339.3 bound\_fast\_ added to SSS  
added: get\_temp\_segments\_  
bound\_fast\_.bind

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MCR 1501: Many components of the segment bound\_tape\_ansi\_ (SSS)  
were replaced to enhance the over-all efficiency and specificity  
of error reporting within tape\_ansi. Also a bug to allow the  
-ring control argument with the output mode options was fixed.

12/15/75 1418.7 bound\_tape\_ansi\_ replaced in SSS  
replaced: tape\_ansi\_attach\_  
tape\_ansi\_parse\_options\_  
tape\_ansi\_mount\_cntl\_  
tape\_ansi\_tape\_io\_  
tape\_ansi\_file\_cntl\_  
tape\_ansi\_lrec\_io\_  
tape\_ansi\_detach\_  
tape\_ansi\_nl\_file\_cntl\_  
tape\_ansi\_ibm\_lrec\_io\_  
tape\_ansi\_control\_  
tape\_ansi\_position\_  
tape\_ansi\_read\_length\_

12/15/75 1418.7 tape\_ansi\_cseg.incl.pl1 replaced in INCL

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MCR 1510: The new command repeat\_query was installed as part of  
the command\_query\_ module in SSS. Please type "help  
repeat\_query".

12/15/75 1647.1 bound\_command\_env\_ replaced in SSS  
replaced: command\_query\_  
bound\_command\_env\_.bind

12/15/75 1647.1 repeat\_query.info added to INFO

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MCR 1518: Several bugs in tape\_mult\_, the Multics standard tape I/O module, were fixed in SSS. These are: making "--system" and "--comment" attach description arguments work correctly; fixes the bug that caused (sometimes) two EOF records to be written before the End of Reel record; and, fixes the bug that caused padded records to have the wrong format.

12/16/75 1428.3 bound\_tape\_mult\_ replaced in SSS

```
replaced:  tape_mult_write_
           tape_mult_attach_
           tape_mult_parse_
           tape_mult_open_
           tape_mult_close_
           tape_mult_util_
```

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MCR's 1440, 1452: Several message segment improvements and bug fixes were made to bound\_mseg\_ (SSS). The changes fix a bug in the message segment salvager, improves syserr messages generated by the message segment facility, changes the "update\_message" operation to accept a message length smaller than that of the message to be updated.

12/16/75 1512.9 bound\_mseg\_ replaced in SSS

```
added:  mseg_error_

replaced: mseg_
          mseg_add_
          mseg_util_
          ms_salvager_
          ms_salv_util_
          bound_mseg_.bind
```

12/16/75 1512.9 mseg\_hdr.incl.pl1 replaced in INCL

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MCR 1362: This change implements the new versions of print\_syserr\_log and daily\_syserr\_process for the new syserr mechanism. The segments bound\_admin\_tools\_ and bound\_admin\_rtnes\_ (TOOLS) were replaced. These changes provide interfaces to deal with both the old and new log formats. The old commands are being kept as old\_print\_syserr\_log and old\_daily\_syserr\_process respectively. This is the first of a four\_step installation plan and until the step-2 hardcore syserr installation, the new versions of these commands will only be

call forwarders to the old versions.

12/16/75 1543.8 bound\_admin\_tools\_ replaced in TOOLS

added: old\_print\_syserr\_log  
print\_syserr\_msg\_  
syserr\_log\_util\_

replaced: print\_syserr\_log  
bound\_admin\_tools\_.bind

12/16/75 1543.8 bound\_admin\_rtnes\_ replaced in TOOLS

added: old\_dally\_syserr\_process

replaced: daily\_syserr\_process  
bound\_admin\_rtnes\_.bind

12/16/75 1543.8 syserr\_message.incl.pl1 added to INCL

12/16/75 1543.8 syserr\_log\_new.incl.pl1 added to INCL

12/16/75 1543.8 syserr\_log\_old.incl.pl1 added to INCL

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MCR 1367, 1454: The component create of bound\_fscom2\_ (SSS) was replaced to change create\_dir to interpret all arguments that start with a "-" as control arguments thus preventing misspelled directories. Also create and create\_dir will use the access class of the parent directory rather than the process authorization as the default access class for segments or directories created.

12/16/75 1622.5 bound\_fscom2\_ replaced in SSS

replaced: create

\*\*\*\*\*

MCR 1522: This change to the cross-referencer (bound\_crossref\_ TOOLS) fixes a bug which prevented it from being run over the entire libraries.

12/17/75 1111.6 bound\_crossref\_ replaced in TOOLS

replaced: cross\_reference  
cref\_analyze\_  
cref\_listman\_  
cref\_sort\_  
cref\_print\_

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No MCR: A new graphics command, `graphic_print`, was added to AM plus a new subroutine, `frequency_plot_`. Please type "help `graphic_print`" and "help `frequency_plot_`" for further information.

12/17/75 1130.7 frequency\_plot\_ added to AM  
 12/17/75 1130.7 graphic\_print added to AM  
 12/17/75 1130.7 frequency\_plot\_.info added to IIS  
 12/17/75 1130.7 graphic\_print.info added to IIS

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No MCR: A new info segment, `aim_use.info` has been installed describing use of the Access Isolation Mechanism. Please type "help `aim_use`".

12/17/75 1145.0 aim\_use.info added to INFO

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MCR 1485: The command `reset_disk_meters` of `bound_admin_rtnes_` (TOOLS) was fixed to terminate each directory after setting its tpp to zero, to avoid KST overflows.

12/17/75 1237.8 bound\_admin\_rtnes\_ replaced in TOOLS  
 replaced: reset\_disk\_meters

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12/17/75 1313.3 pending\_changes.info replaced in IIS

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No MCR: Segments `bound_sbs_` and `sbs_class_file` of IML were replaced to fix several bugs and add new features. It will now allow users who are not anonymous to use sbs without giving a user id if there is no student registry file; avoid listing directories on a "cat" command; change the default run time max to 2 seconds; and, accept "-hold", "-hd", "-brief", and "-bf" as arguments to the "bye" command.

12/17/75 1425.1 sbs\_class\_file replaced in >iml

12/17/75 1425.1 bound\_sbs\_ replaced in >iml

replaced: sbs\_overseer\_  
 sbs\_catalog\_

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MCR's 1410, 1464, 1491, 1494, 1495, 1539, 1486:

Answering Service 8.3 was installed replacing bound\_user\_control\_, bound\_admin\_tools\_, and as\_error\_table\_ in TOOLS, and bound\_info\_rtns\_ in SSS. Many small bugs were fixed plus support for prelinking was added. Among the bug fixes were: a fix in the dial facility to make it independent of the absentee facility, a fix to the operator DOWN command which allowed users to login after the scheduled shutdown occurred, a fix to the operator WORD command to complain about messages > 64 characters, and a change to the operator MAXUNITS command to reject zero as an invalid value.

```

12/18/75  0857.5  as_error_table_ replaced in TOOLS

12/18/75  0857.5  bound_info_rtns_ replaced in SSS
replaced:  system_info_

12/18/75  0857.5  bound_admin_tools_ replaced in TOOLS
added:    dump_abs_data
          print_urf
replaced: cv_cmf
          dump_cdt_
          bound_admin_tools_.bind
deleted:  urfp

12/18/75  0857.5  bound_user_control_ replaced in TOOLS
replaced: dialup_
          parse_login_line_
          as_data_
          astty_
          asu_
          cpg_
          lg_ctl_
          act_ctl_
          up_pdt_
          up_cdt_
          as_request_
          dial_ctl_
          admin
          bound_user_control_.bind

12/18/75  0857.5  whotab.incl.pl1 replaced in INCL

12/18/75  0857.5  pdt.incl.pl1 replaced in INCL

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12/18/75 0857.5 line\_types.incl.pl1 added to INCL  
12/18/75 0857.5 dutbl.incl.pl1 replaced in INCL  
12/18/75 0857.5 create\_info.incl.pl1 replaced in INCL  
12/18/75 0857.5 cdt.incl.pl1 replaced in INCL  
12/18/75 0857.5 anstbl.incl.pl1 replaced in INCL  
12/18/75 0857.5 abs\_user\_tab.incl.pl1 replaced in INCL

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No MCR: pending\_changes.info was modified to notify users of the upcoming new Multics Storage System. Please type "help pending\_changes".

12/18/75 1213.4 pending\_changes.info replaced in IIS

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MCR 1575: The component mc\_wakeups\_ of bound\_oprcons\_ (TOOLS) was changed to modify the any\_other handler to be more fail-safe. Hopefully this will eliminate recent system problems in this area.

12/18/75 1231.4 bound\_oprcons\_ replaced in TOOLS  
replaced: mc\_wakeups\_

12/18/75 1231.4 syscon\_mseg.incl.pl1 replaced in INCL

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No MCR: The component dialup\_ of bound\_user\_control\_ (TOOLS) was replaced to fix a minor bug in Answering Service 8.3 installed earlier today.

12/18/75 1307.3 bound\_user\_control\_ replaced in TOOLS  
replaced: dialup\_

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MCR 1521: The dprint command of bound\_io\_commands\_ (SSS) was modified to accept the "-brief" ("-bf") control argument at the end of a command line.

12/19/75 0937.9 bound\_io\_commands\_ replaced in SSS  
replaced: dprint

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MCR 1463: The mail command of bound\_info\_rtns\_ (SSS) was replaced to save unsend\_mail in all cases where an error occurs sending console input. mail was also changed to print interactive messages as well as mail in the mailbox.

12/19/75 0945.9 bound\_info\_rtns\_ replaced in SSS  
replaced: mail

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MCR 1568: The bindfile of bound\_parse\_ (LANG) was modified to allow the command pl\$cleanup to be executed.

12/19/75 0955.7 bound\_parse\_ replaced in LANG  
replaced: bound\_parse\_.bind

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MCR 1519: A bug in delete\_ of bound\_fscom1\_ (SSS) was fixed that allowed the input argument "switches" to be changed when deleting a directory subtree.

12/19/75 1005.4 bound\_fscom1\_ replaced in SSS  
replaced: delete\_

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MCR 1520: The walk\_subtree command of bound\_misc\_commands\_ (SSS) was replaced to fix a bug which caused it to walk through YSF's. A bug which caused walk(subtree to continue walking in another directory if a "cwd" command was executed in the command line was also fixed.

12/19/75 1023.5 bound\_misc\_commands\_ replaced in SSS  
replaced: walk\_subtree

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MCR 1514: The component new\_user of bound\_admin\_rtnes\_ (TOOLS) was modified so that it will compile with the current pnt include file. There were no functional changes.

12/19/75 1031.9 bound\_admin\_rtnes\_ replaced in TOOLS  
replaced: new\_user

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MCR 1516: The updated/corrected source and macro library for the 355 loader and utility routines was installed in TOOLS.



They are: coreload, asm\_gicb, asm\_utilm, and utility\_macros.

12/19/75 1039.0 asm\_gicb added to TOOLS  
 12/19/75 1039.0 asm\_utilm added to TOOLS  
 12/19/75 1039.0 coreload added to TOOLS  
 12/19/75 1039.0 utility\_macros added to TOOLS

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MCR 1455: The copy command of bound\_fscom2\_ (SSS) was replaced to print an error message when attempting to copy into an existing directory using the star convention.

12/19/75 1048.3 bound\_fscom2\_ replaced in SSS  
 replaced: copy

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MCR 1524: The mexp command (TOOLS) was replaced to add several features needed for the FAST Fortran code generator interpreter. Also mexp was extended to handle recursive expansion within the conditionall expanded text.

12/19/75 1053.2 mexp replaced in TOOLS

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MCR's 1549, 1550, 1551: The segment bound\_vfile\_ was modified (SSS) to fix a number of bugs in unstructured and indexed files. Changes were made in vfile\_ to implement a new file type (blocked), operations, and attach options. Two new commands, vfile\_status and vfile\_adjust, were added for use with storage system files as supported by vfile\_. Please type "help vfile\_status" and "help vfile\_adjust".

12/19/75 1130.9 bound\_vfile\_ replaced in SSS  
 added: open\_blk\_file  
 vfile\_status\_  
 vfile\_status  
 vfile\_adjust  
 replaced: open\_uns\_file  
 open\_seq\_file  
 open\_indx\_file  
 vfile\_attach  
 restart  
 check\_file\_version  
 bound\_vfile\_.bind

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12/19/75	1130.9	vf_attach_block.incl.pl1 added to INCL
12/19/75	1130.9	vfile_indx.incl.pl1 replaced in INCL
12/19/75	1130.9	vfs_info.incl.pl1 added to INCL
12/19/75	1130.9	vfile_adjust.info added to INFO
12/19/75	1130.9	vfile_status.info added to INFO