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TO: MIB DISTRIBUTION

FROM: Patricla Drate!

DATE: August 8, 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 August 4, 1975.

HOW TO READ THIS LISTING:

Each modification is preceded by the MCR number covering it (if there is one), and a brief explanation of the change.

This information is followed by the name of the object segment, help file, include file, or bound segment (or group of the above) involved in the modification.

Also given is the date and time of installation, and the name of the system library to which the change was made.

For bound segments, a list of the components follows, as well as the action which was taken with regard to each component.

An explanation does not accompany the listing of a segment which was "de-installed", or removed because of some problem, but the original installation information may be considered inoperative.

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MCR 1107: A new Multics Graphics System was installed into UNB replacing the existing, but unsupported, version. It provides full functionality for a variety of terminals including the ARDS, CalComp 915/1036, and Tektronix devices. Please type "help graphics", "help graphics\_changes and "help graphic\_editor" for further information. Also, type "help graphics\_speedup", "help setup\_graphics", and "help remove\_graphics" for additional information.

bound\_graphic\_system\_ added to UNB 08/04/75 0940.5 graphic\_manipulator\_ added: graphic\_compiler\_ graphic\_operator\_ graphic\_decompiler\_ setup\_graphics make\_graphic\_array\_ compile\_gdt Ism\_ ISM\_SYM\_ Ism\_fs\_ graphic\_code\_util\_ graphic\_dim\_ graphic\_element\_length\_ graphic\_matrix\_util\_ graphic\_terminal\_status\_ graphic\_chars\_ tmgc calcomp\_915\_dim\_ gf\_int\_ gr\_print\_ calcomp\_915 calcomp\_915\_ tek\_4012 tek\_4014 tektronix\_401X\_ ards ards\_util\_ plot\_ calcomp\_compatible\_subrs\_ gul\_ bound\_graphic\_system\_.bind bound\_graphic\_editor\_ added to UNB 08/04/75 0940.5 added: graphic\_editor ge\_parse\_ ge\_eval\_ ge\_interpret\_ bound\_graphic\_editor\_.bind calcomp\_compatible\_subrs\_.pgs added to UNB 08/04/75 0940.5 08/04/75 graphic\_error\_table\_ added to UNB 0940.5 08/04/75 graphic\_char\_table\_ added to UNB 0940.5 bound\_debug\_ replaced in UNB 08/04/75 0940.5

replaced:

db\_print

# bound\_debug\_.bind

deletedi	gr_print
08/04/75 0940.5	graphics.info added to INFO
08/04/75 0940.5	setup_graphics.info added to INFO
08/04/75 0940.5	remove_graphics.info added to INFO
08/04/75 0940•5	graphics_speedup.info added to INFO
08/04/75 0940.5	graphics_changes.info added to INFO
08/04/75 0940.5	graphic_editor.info added to INFO
08/04/75 0940.5	gc_entry_dcls.incl.pl1 added to INCL
08/04/75 0940.5	ge_data_structures.incl.pl1 added to INCL
08/04/75 0940•5	ge_environment.incl.pl1 added to INCL
08/04/75 0940•5	ge_macro_info.incl.pl1 added to INCL
08/04/75 0940.5	ge_token_types.incl.pl1 added to INCL
08/04/75 0940.5	gm_entry_dcls.incl.pl1 added to INCL
08/04/75 0940.5	go_entry_dcls.incl.pl1 added to INCL
08/04/75 0940.5	graphic_char_dcl.incl.pl1 added to INCL
08/04/75 0940.5	graphic_code_dcl.incl.pl1 added to INCL
08/04/75 0940.5	graphic_comp_specs.incl.pl1 added to INCL
08/04/75 0940.5	graphic_device_table.incl.pl1 added to INCL
08/04/75 0940.5	graphic_enames.incl.pl1 added to INCL
08/04/75 0940.5	graphic_etypes.incl.pl1 added to INCL
08/04/75 0940.5	graphic_input_formats.incl.pl1 added to INCL
08/04/75 0940.5	graphic_templates.incl.pl1 added to INCL
08/04/75 0940.5	graphic_terminal_errors.incl.pl1 added to INCL
08/04/75 0940.5	iox_modes.incl.pl1 added to INCL
08/04/75 0940.5	ism_formats.incl.pl1 added to INCL
08/04/75 0940.5	Ism_node_types.incl.pl1 added to INCL
****	
08/04/75 1603.8	gloc_tdseg.incl.pl1 deleted from INCL
U8/U4/75 1603.8	gloc_status.incl.pl1 deleted from INCL

08/04/75	1603.8	gioc_pntseg.incl.pl1 deleted from INCL
08/04/75	1603.8	gloc_dsu27)dcl.incl.pli deleted from INCL
08/04/75	1603.8	gloc_dsu170dc1.incl.pl1 deleted from INCL
08/04/75	1603.8	gloc_dskdcl.incl.pl1 deleted from INCL
08/04/75	1603.8	iom_dskdc1.incl.pl1 deleted from INCL
08/04/75	1603.8	lom_dsu270dc1.incl.pl1 deleted from INCL
08/04/75	1603.8	iom_dsu170dcl-incl-pl1 deleted from INCL
08/04/75	1603.8	iom_pntseg.incl.pi1 deleted from INCL
08/04/75	1603.8	iom_tape_data.incl.pli deleted from INCL

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MCR 1287: Fixes a bug in adjust\_cutoff\_ (SSS) so that cutoff dates in PDT's will work properly.

08/05/75 1609.1 bound\_proj\_admin\_ replaced in SSS

replaced: adjust\_cutoff\_

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MCR 1300: Fixes a bug which prevented format\_word\_list (TOOLS) from correctly calculating terminal line length, and, as a result, causing the command to be aborted.

08/05/75 1618.3 bound\_word\_list\_ replaced in TOOLS

replaced: tormat\_word\_list

## \*\*\*\*

No MCR: format\_word\_list (TOOLS) was replaced to fix a bug introduced by yesterday's installation. The new bug prevented its use with the file\_output command.

08/06/75 1004.3 bound\_word\_list\_ replaced in TOOLS

replaced: format\_word\_list

### \*\*\*\*

MCR 1253: A new command, display\_plilo\_error, was installed in LANG which will diagnose erros raised during PL1 I/O. Please type "help display\_plilo\_error".

08/06/75 1713.9 bound\_plio2\_ replaced in LANG

added: display\_pllio\_error

replaced: plio2\_open\_
plio2\_signal\_
plio2\_data\_
bound\_plio2\_obind

08/06/75 1713.9 plio2\_ps.incl.pl1 replaced in INCL

08/06/75 1713.9 display\_pillo\_error.info added to INFO

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MCR 1257: Several unreported bugs in the vfile\_ I/O module (SSS) were fixed as well as substantial performance improvements for most operations on indexed files. Please type "help vfile\_changes".

MCR 1306: A bug in record\_stream\_ causing spurious long record errors was also fixed at this time.

08/07/75 1513.0 bound\_vfile\_ replaced in SSS

added: find\_key

check\_file\_version

restart

replaced

open\_uns\_file open\_seq\_file open\_indx\_file change\_record\_list

change\_index alloc\_cb\_file vfile\_attach create\_seg\_ptrs

create\_position\_stack

rs\_open\_str\_in\_
rs\_open\_str\_out\_
rs\_open\_seq\_in\_
rs\_open\_seq\_out\_
bound\_vfile\_bind

08/07/75 1513.0 vfile\_indx.incl.pl1 replaced in INCL

08/07/75 1513.0 vfile\_changes.info added to INFO

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MCR 1188: A change to bound\_mseg\_ (SSS) replacing calls to hcs\_\$get\_authorization by calls to get\_authorization\_, gee\_max\_authorization\_, and get\_privileges\_, was installed today. This effectively prevents the privilege bits in an authorization from being stored in message segments.

08/07/75 1522.6 bound\_mseg\_ replaced in SSS

replaced: mseg\_add\_ mseg\_util\_ mseg\_create\_

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MCR 1177: Deletes the no-longer needed online version of pl1\_operators\_ (LANG).

08/07/75 1527.2 bound\_pl1\_operators\_ deleted from LANG

deleted: pl1\_operators\_ any\_to\_any\_ dec\_ops\_ cplx\_dec\_ops\_ record\_io\_ math\_routines\_ square\_root\_ double\_square\_root\_ sine\_ double\_sine\_ tangent\_ logarithm\_ double\_logarithm\_ exponential\_ double\_exponential\_ arc\_tangent\_ double\_arc\_tangent\_ arc\_sine\_ integer\_power\_integer\_ power\_integer\_ power\_ math\_constants\_ call\_math\_error\_ math\_routines\_end\_ bound\_pl1\_operators\_.bind

### \*\*\*\*

No MCR: In an emergency installation, bound\_vfile\_ (SSS) was replaced to fix a bug introduced in yesterday's (08/07/75) installation.

08/08/75 1533.9 bound\_vfile\_ replaced in SSS

replaced: open\_indx\_file

change\_record\_list

change\_index create\_seg\_ptrs

create\_position\_stack

check\_file\_version

restart

08/08/75 1533.9 vfile\_indx.incl.pi1 replaced in INCL