

TO: MIB DISTRIBUTION  
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 DATE: November 28, 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 November 24, 1975.

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MCR #: Explanation briefly summarizing the modification.

DATE	SEGMENT NAME	LIBRARY
	COMPONENT changes (if any)	

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MCR: 1307, 1313, 1364, 1386, 1426: The new pl1 and fortran compilers and ALM assembler (MR3.1) have been installed in the lang and unb libraries. The new versions generate new object maps and entry sequences. Please type "help pl1\_new".

11/24/75	0919.7	initialize_builtin replaced in LANG
11/24/75	0919.7	init_ftn_builtin added to TOOLS
11/24/75	0919.7	pl1_error_messages_ replaced in LANG
11/24/75	0919.7	bound_fortran_ replaced in UNB
	replaced:	fortran fortran_reference_parse fortran_subroutine_parse fortran_symbol_print
11/24/75	0919.7	bound_display_ replaced in TOOLS
	replaced:	display_exp display_symbol show_statement display_xfer_vector

11/24/75 0919.7 pl1\_version\_ replaced in LANG

11/24/75 0919.7 bound\_parse\_ replaced in LANG

replaced: v2pl1  
parse  
process\_entry  
procedure\_parse  
statement\_type  
do\_parse  
lex  
data  
if\_parse  
statement\_parse  
declare\_label  
context  
evaluate  
expression\_parse  
reference\_parse  
declare\_parse  
attribute\_parse  
descriptor\_parse  
default\_parse  
lo\_statement\_parse  
format\_list\_parse  
data\_list\_parse  
on\_parse  
pl1\_symbol\_print  
parse\_xfer\_vector

11/24/75 0919.7 bound\_lang\_util\_ replaced in LANG

added: declare\_picture\_temp

replaced: create\_array  
create\_block  
create\_bound  
create\_context  
create\_cross\_reference  
create\_default  
create\_label  
create\_symbol  
create\_token  
create\_identifier  
bindec  
token\_to\_binary  
create\_list  
create\_operator  
create\_reference  
create\_statement  
create\_storage  
pl1\_get

tree\_manager  
free\_node  
pli\_stat\_  
get\_array\_size  
get\_size  
refer\_extent  
declare\_constant  
declare\_descriptor  
declare\_picture  
declare\_integer  
declare\_pointer  
declare\_temporary  
optimizer  
compare\_expression  
copy\_expression  
reserve  
convert  
share\_expression  
decbin  
parse\_error  
error\_  
decode\_node\_id  
pli\_error\_print  
binary\_to\_octal\_string  
pli\_print  
error  
merge\_attributes  
display\_pli\_map  
sym\_sort\_alphabetic  
binoct  
display\_text  
op\_mnemonic  
operator\_names  
display\_pli\_text  
lang\_util\_  
util\_xfer\_vector  
mst  
compile\_formats  
gen\_pli\_symbol  
compile\_link  
name\_assign  
gen\_pli\_linkage  
initialize\_ext\_static  
initialize\_int\_static  
assign\_storage  
generate\_definition  
macro\_table  
instruction\_info  
pli\_signal\_catcher  
bound\_lang\_util\_.bind

11/24/75 0919.7

bound\_semant\_ replaced in LANG

replaced: semantic\_translator  
context\_processor  
expression\_semantics  
lookup  
propagate\_bit  
simplify\_offset  
operator\_semantics  
function  
match\_arguments  
compare\_declaration  
check\_star\_extents  
subscriber  
offset\_adder  
builtin  
pl1\_data  
do\_semantics  
alloc\_semantics  
expand\_assign  
expand\_infix  
expand\_prefix  
expand\_primitive  
simplify\_expression  
make\_non\_quick  
io\_data\_list\_semantics  
io\_semantics  
defined\_reference  
declare  
validate  
declare\_structure  
expand\_initial  
v2pl1\_semant\_  
prepare\_symbol\_table  
generic\_selector  
fill\_refer  
semant\_xfer\_vector  
bound\_semant\_.bind

11/24/75 0919.7 bound\_cg\_ replaced in LANG

added: get\_single\_ref

replaced: code\_generator  
cg\_stat  
make\_mod  
get\_variable  
compile\_entry  
compile\_block  
compile\_statement  
compile\_tree  
aq\_man  
assign\_info  
assign\_op  
adjust\_ref\_count

store  
load  
save\_value  
generate\_constant  
arith\_op  
arith\_data  
fixed\_to\_float  
Jump\_op  
compile\_exp  
opcode\_info  
inline\_operation  
length\_op  
check\_o\_and\_s  
prepare\_operand  
eval\_exp  
copy\_temp  
get\_reference  
c\_a  
call\_op  
store\_bit\_address  
stack\_temp  
compare\_ptrs  
set\_indicators  
string\_op  
string\_temp  
long\_op  
load\_size  
cat\_op  
xr\_man  
m\_a  
base\_man  
expmac  
need\_temp  
power\_of\_two  
constant\_zero  
expmac\_test  
state\_man  
min\_max  
complex\_stuff  
pointer\_builtins  
base\_to\_core  
move\_data  
make\_both\_addressable  
exp\_op  
link\_vector  
ctl\_char  
io\_op  
e\_v  
get\_imaginary  
decimal\_op  
convert\_chars  
cg\_error  
cg\_

bound\_cg\_.bind

11/24/75 0919.7 bound\_plio2\_ replaced in LANG

replaced: plio2\_open\_  
plio2\_recio\_  
plio2\_put\_util\_  
plio2\_ldo\_  
plio2\_pve\_  
put\_data\_block\_all\_  
plio2\_ldi\_

11/24/75 0919.7 bound\_alm\_ replaced in LANG

replaced: alm  
eb\_data\_  
oplook\_  
decevl\_  
getbit\_  
lstman\_  
merge\_  
pakbit\_  
pass1\_  
pass2\_  
postp1\_  
postp2\_  
pulnk\_  
pusmb\_  
putout\_  
putxt\_  
varevl\_  
make\_alm\_object\_map\_  
new\_ssthehr\_

11/24/75 0919.7 objinfo.incl.pl1 replaced in INCL

11/24/75 0919.7 symbol.incl.pl1 replaced in INCL

11/24/75 0919.7 semant.incl.pl1 replaced in INCL

11/24/75 0919.7 reloc\_lower.incl.pl1 added to INCL

11/24/75 0919.7 plio2\_psr.incl.pl1 replaced in INCL

11/24/75 0919.7 pl1\_version.incl.pl1 replaced in INCL

11/24/75 0919.7 op\_codes.incl.pl1 replaced in INCL

11/24/75 0919.7 language\_utility.incl.pl1 replaced in INCL

11/24/75 0919.7 cgsystem.incl.pl1 replaced in INCL

11/24/75 0919.7 pl1\_new.info replaced in INFO

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MCR: 1347: A number of components of bound\_misc\_metering\_ have been replaced and added in the tools library. The new versions install metering tools for the priority scheduler.

11/24/75 1110.5 bound\_misc\_metering\_ replaced in TOOLS

added: define\_work\_classes  
set\_work\_class  
work\_class\_meters

replaced: traffic\_control\_meters  
traffic\_control\_queue  
gen\_sst\_card  
bound\_misc\_metering\_.bind

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MCR: 1385: The component compare\_ascii of bound\_misc\_commands\_ has been replaced in the sss library. The new version fixes the bug that caused compare\_ascii to incorrectly report a change that occurred near or at the end of a segment.

11/24/75 1412.0 bound\_misc\_commands\_ replaced in SSS

replaced: compare\_ascii

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MCR: 1449: The component reconfigure\_rcp of bound\_reconfigure\_ has been replaced in the tools library. The new version removes redundant (add/delete) device messages.

11/24/75 1421.6 bound\_reconfigure\_ replaced in TOOLS

replaced: reconfigure\_rcp

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MCR: 1390, 1402: The component rdisk\_ has been added to the sss library. This adds the removable disk facility to Multics.

11/24/75 1427.2 rdisk\_ added to SSS

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11/24/75 1446.3 fortran\_version\_ replaced in UNB

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MCR: 1371: Several system exec\_coms that were released with MR3.0 have been installed in the tools library.

11/24/75 1551.3 admin.ec replaced in TOOLS

11/24/75 1551.3 acct\_start\_up.ec replaced in TOOLS  
11/24/75 1551.3 biller.ec replaced in TOOLS  
11/24/75 1551.3 make\_sys\_seg.ec added to TOOLS  
11/24/75 1551.3 master.ec replaced in TOOLS  
11/24/75 1551.3 system\_start\_up.ec replaced in TOOLS

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MCR: none: The component retrieval\_request has been added to the am library. This adds the retrieval request capability. Please type "help retrieval\_request".

11/25/75 1147.5 retrieval\_request added to AM  
11/25/75 1147.5 retrieval\_request.info added to IIS

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MCR 1122: A new command, print\_relocation\_info, was added to TOOLS to print object segment's relocation information.

11/26/75 1019.6 print\_relocation\_info added to TOOLS

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MCR's 1134, 1134, 1270: The segment bound\_qedx\_ was replaced in SSS fixing bugs in qedx, upgrading programs to use EIS, making the regular expression matching module available externally, and fixing qedx to access all of a 256k segment.

11/26/75 1053.1 bound\_qedx\_ replaced in SSS  
replaced: edx\_util\_  
get\_addr\_  
search\_file\_  
qedx  
bound\_qedx\_.bind