

TO: MIB DISTRIBUTION  
 FROM: Peter B. Kelley  
 DATE: October 1, 1976  
 SUBJECT: ONLINE INSTALLATION CHANGES

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 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 September 27, 1976.

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MCR # : Explanation briefly summarizing the modification.

DATE SEGMENT NAME LIBRARY

COMPONENT changes (if any)

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The PL/1 and FORTRAN compilers were modified today fixing bugs and improving performance. Please type "help pl1\_new" and "help pl1.changes" for further information.

09/27/76 0855.4 pl1\_error\_messages\_ replaced in LANG  
 09/27/76 0855.4 pl1\_version\_ replaced in LANG  
 09/27/76 0855.4 fortran\_version\_ replaced in UNB  
 09/27/76 0855.4 fortran\_error\_messages\_ replaced in UNB  
 09/27/76 0855.4 bound\_cg\_ replaced in LANG

replaced: cg\_stat  
 state\_man  
 copy\_temp  
 need\_temp  
 get\_reference  
 store\_bit\_address  
 opcode\_info  
 assign\_info  
 adjust\_ref\_count  
 c\_a  
 stack\_temp

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compile\_block  
load  
store  
call\_op  
compile\_statement  
prepare\_operand  
m\_a  
base\_man  
compile\_tree  
expmac  
compile\_exp  
assign\_op  
link\_vector  
jump\_op  
set\_indicators  
eval\_exp  
aq\_man  
base\_to\_core  
pointer\_builtins  
compile\_entry  
code\_generator  
make\_mod  
arith\_data  
arith\_op  
make\_both\_addressable  
move\_data  
xr\_man  
generate\_constant  
power\_of\_two  
compare\_ptrs  
long\_op  
load\_size  
optimize\_if  
ctl\_char  
cg\_  
e\_v  
string\_op  
get\_variable  
save\_value  
fixed\_to\_float  
inline\_operation  
length\_op  
check\_o\_and\_s  
get\_single\_ref  
string\_temp  
cat\_op  
constant\_zero  
expmac\_test  
min\_max  
complex\_stuff

exp\_op  
io\_op  
get\_imaginary  
decimal\_op  
convert\_chars  
cg\_error  
bound\_cg\_.bind

09/27/76 0855.4 bound\_display\_ replaced in TOOLS

replaced: display\_exp  
display\_symbol

09/27/76 0855.4 bound\_fortran\_ replaced in UNB

replaced: fortran  
fortran\_parse  
statement\_recognizer  
flex  
cardlex  
fortran\_if\_parse  
fortran\_assign\_parse  
fortran\_expression\_parse  
fortran\_reference\_parse  
dcl  
fortran\_subscripter  
builtin\_function  
fortran\_reserve  
replace\_parameters  
fortran\_operator\_semantics  
fortran\_crse\_parse  
go\_to\_parse  
fortran\_do\_parse  
fortran\_io\_parse  
make\_format  
fortran\_format\_parse  
fortran\_subroutine\_parse  
declaration\_parse  
type  
initial\_attribute  
prologue\_entry  
stmt\_func\_parse  
set\_parameters  
fortran\_symbol\_print  
fortran\_io\_op

09/27/76 0855.4 bound\_lang\_util\_ replaced in LANG

replaced: lang\_util\_  
pl1\_get

create\_reference  
create\_token  
bindec  
create\_identifier  
create\_list  
create\_statement  
create\_operator  
create\_symbol  
copy\_expression  
create\_label  
free\_node  
create\_cross\_reference  
declare\_constant  
get\_size  
create\_storage  
share\_expression  
declare\_temporary  
convert  
declare\_descriptor  
compare\_expression  
token\_to\_binary  
create\_bound  
create\_array  
get\_array\_size  
pli\_signal\_catcher  
create\_block  
gen\_pli\_symbol  
macro\_table  
instruction\_info  
operator\_names  
name\_assign  
generate\_definition  
compile\_link  
gen\_pli\_linkage  
assign\_storage  
initialize\_ext\_static  
initialize\_int\_static  
util\_xfer\_vector  
declare\_pointer  
sym\_sort\_alphabetic  
binoct  
pli\_print  
display\_pli\_text  
display\_text  
op\_mnemonic  
error\_  
reserve  
pli\_stat\_  
tree\_manager  
merge\_attributes

create\_context  
mst  
optimizer  
create\_default  
refer\_extent  
declare\_picture  
declare\_picture\_temp  
declare\_integer  
decbin  
parse\_error  
decode\_node\_id  
pl1\_error\_print  
binary\_to\_octal\_string  
error  
display\_pl1\_map  
compile\_formats  
bound\_lang\_util\_.bind

09/27/76 0855.4

bound\_parse\_ replaced in LANG

replaced:

lex  
v2pl1  
parse\_xfer\_vector  
data  
reference\_parse  
procedure\_parse  
expression\_parse  
statement\_type  
statement\_parse  
declare\_label  
do\_parse  
if\_parse  
context  
parse  
declare\_parse  
process\_entry  
attribute\_parse  
descriptor\_parse  
on\_parse  
pl1\_symbol\_print  
evaluate  
default\_parse  
io\_statement\_parse  
format\_list\_parse  
data\_list\_parse  
bound\_parse\_.bind

09/27/76 0855.4

bound\_plio2\_ replaced in LANG

replaced:

plio2\_open\_

09/27/76 0855.4 bound\_semant\_ replaced in LANG

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

09/27/76 0855.4 attribute\_table.incl.pl1 replaced in INCL

09/27/76 0855.4 compare\_alias.incl.pl1 replaced in INCL

09/27/76 0855.4 condition\_name.incl.pl1 added to INCL

09/27/76 0855.4 label\_array\_element.incl.pl1 added to INCL

09/27/76 0855.4 language\_utility.incl.pl1 replaced in INCL

09/27/76 0855.4 op\_codes.incl.pl1 replaced in INCL  
09/27/76 0855.4 pl1\_version.incl.pl1 replaced in INCL  
09/27/76 0855.4 string\_overlay.incl.pl1 added to INCL  
09/27/76 0855.4 format\_tables.incl.pl1 replaced in INCL  
09/27/76 0855.4 pl1\_new\_features.info replaced in INFO

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MCR 1932: ms\_salvager\_ was changed to save a copy of every I/O Daemon queue it salvages before salvaging in an effort to track bugs.

09/29/76 1425.1 bound\_mseg\_ replaced in SSS  
replaced: mseg\_  
ms\_salvager\_

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MCR's 1742, 1789, 1935, 2162: The component abs\_io\_ of bound\_full\_cp\_ (SSS) was modified to implement "&q", "&r", and "&ec\_dir" features. The "&command\_line off" for absentee segments has been re-implemented. Also a bug was fixed in exec\_com which caused a syntax error when a control line in an exec\_com contains trailing blanks.

09/30/76 1513.0 bound\_full\_cp\_ replaced in SSS  
replaced: abs\_io\_

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MCR 2131: The segment bound\_trace\_ (SSS) was replaced to fix bugs and to make trace's handling of "-io\_switch" control argument consistent.

09/30/76 1537.5 bound\_trace\_ replaced in SSS  
replaced: trace  
trace\_  
trace\_catch\_  
get\_entry\_ptr\_

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MCR 2152: fst\_process\_overseer\_ of bound\_fast\_ (UNB) was modified to prevent the "e" request from edm while in the FAST subsystem.

09/30/76 1542.0 bound\_fast\_ replaced in UNB

replaced:     fst\_process\_overseer\_

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No MCR:   The component fortran\_format\_parse of bound\_fortran\_  
(UNB) was replaced to fix a bug in Fortran "v" formats.

10/01/76  1415.5     bound\_fortran\_ replaced in UNB

replaced:     fortran\_format\_parse