

14. CONNECTION

Cfr. Common Base definition, section 6.2.

The driver connecting an object will be called a connector driver.

The connector driver must contain a pointer to the driver of the block statically enclosing the connected object. cdrp is used to hold this pointer. This information is required when a procedure in the connected object is called.

The actual connection is performed by the subroutine connect. cdrp is found in DISPLAY[bl].MDP where bl is the level of the block containing the declaration of C, or if C is connected, i.e. local to a connected class D, the level is that of the block connecting D.

A connection has no prototype.

The end of a connection is through EBL (end block).

```
procedure CONNECT (p,bl);  
  ref (object) p; integer bl;  
  begin  
    CD := new driver (p,CD,none,CD,none,false,CD.level+1);  
    CD.con := true;  
    CD.cdrp := DISPLAY[bl].MDP;  
    DDISPLAY[CD.level] :- CD;  
    DISPLAY[CD.level] :- p  
  end CONNECT;
```

Note:

bl is required. Since p need not have a master driver, bl cannot be found in the prototype because the class containing p may be terminated.