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.