HOW TO DESIGN AN OVERLAY STRUCTURE.

The size of the object program load module can be decreased
significantly if it is edited as an overlay program. Routines used to
start and finish the object program, as well as diagnostic routines and
cardnumber tables, are not needed during execution and they can be put
in a segment parallel to the object code.

In order to get an overlay, the parameter OVLY must be specified to the
linkage editor and the structure of overlays is defined by control
cards:

```
        // EXEC   SIMCL,..., PARM.LKED='MAP,LET,OVLY'
        //SIM.SYSIN  DD *
              <program>

        /*
        //LKED.SYSIN  DD *
           OVERLAY   X   TRANSIENT SEGMENT
           INSERT (ZYQERROR,ZYQCOM,ZYQINIT,ZYQTERM,ZYQCNT)
           INSERT (ZYQMAP,ZYQMAPTR,ZYQDUMP)
           OVERLAY   X   OBJECT CODE SEGMENT
           INSERT ZYQMAIN
        /*
```

For each external procedure, the card

```
        INSERT  EP#
```

can be put in the transient segment (where EP is the name of the
procedure truncated to 7 characters, and

```
        INSERT  EP$
```

can be put in the object code segment.