#### Appendix J

#### CATALOGUED PROCEDURES

The following pages contain the catalogued procedures used in 2.4. Small changes may have to be made in order to comply with the standards of a particular installation.

### Catalogued procedure SIMC

```
//SIMC
           EXEC PGM=SIMULA, REGION=86K
//SIM
//SYSPRINT DD
                SY SOUT = A
//SYSUT1 DD
               UNIT=SYSDA, SPACE=(2000,(20,20))
               UNIT=(SYSDA, SEP=SYSUT1), SPACE=(2000, (20,20))
//SYSUT2
//SYSUT3
               UNIT=(SYSDA, SEP=(SYSUT1, SYSUT2)), SPACE=(2000, (20,10))
//SYSUT4
               UNIT=(SYSDA, SEP=(SYSUT1, SYSUT2)), SPACE=(1032, 256),
          DD
// DCB=DSORG=DA
//SYSGD
          DD DSN=&&LOADSET,DISP=(MOD,PASS),UNIT=(SYSDA,SEP=SYSUT1),
// SPACE=(16aa,(3a,3a)),DCB=BLKSIZE=16aa
// PEND
```

## Catalogued procedure SIMCL

```
//SIMCL
           PROC PROG=GO, LIB='&GOSET', EXLIB=SIMLIB, LDISP=MOD
//SIM
           EXEC PGM=SIMULA, REGION=86K
//SYSPRINT DD
               SY SOUT = A
//SYSUT1 DD
               UNIT=SYSDA, SPACE=(2000,(20,20))
//SYSUT2 DD
               UNIT=(SYSDA, SEP=SYSUT1), SPACE=(2000, (20,20))
//SYSUT3 DD
               UNIT=(SYSDA, SEP=(SYSUT1, SYSUT2)), SPACE=(2000, (20,10))
//SYSUT4
               UNIT=(SYSDA, SEP=(SYSUT1, SYSUT2)), SPACE=(1032, 256),
// DCB=DSORG=DA
           DD DSN=&&LOADSET,DISP=(MDD,PASS),UNIT=(SYSDA,SEP=SYSUT1),
//SYSGO
// SPACE=(16aa,(3a,3a)),DCB=BLKSIZE=16aa
           EXEC PGM=IEWL, PARM= *MAP, LIST, LET *, COND= (4, LT, SIM),
//LKED
// REGION=104K
//SYSPRINT DD
              SYSOUT=A
//SYSLIB DD
               DSN=&EXLIB, DISP=SHR
           DD
                DSN=SIMLIB.DISP=SHR
//SYSUT1
               UNIT = SYSDA, SPACE = (1000, 100)
//SYSLMOD DD
                DSN=&LIB.(&PROG), DISP=(&LDISP, PASS), UNIT=SYSDA,
// SPACE=(1@24.(4@@.5@.1))
//SYSLIN DD
                DSN=&&LOADSET,DISP=(OLD,PASS)
          DD
                DDNAME=SYSIN
11
// PEND
```

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```
Catalogued procedure SIMCLG
//SIMCLG
           PROC EXLIB=SIMLIB
//SIM
            EXEC PGM=SIMULA, REGION=86K
                SYSOUT=A
//SYSPRINT DD
//SYSUT1
                UNIT=SYSDA, SPACE= (2000, (20,20))
           DD
                UNIT=(SYSDA, SEP=SYSUT1), SPACE=(2000, (20,20))
//SYSUT2
                UNIT=(SYSDA, SEP=(SYSUT1, SYSUT2)), SPACE=(2000, (20,10))
//SYSUT3
//SYSUT4
                UNIT=(SYSDA, SEP=(SYSUT1, SYSUT2)), SPACE=(1032, 256),
// DCB=DSORG=DA
//SYSGO
                DSN=&&LOADSET,DISP=(MOD,PASS),UNIT=(SYSDA,SEP=SYSUT1),
// SPACE=(16aa,(3a,3a)),DCB=BLKSIZE=16aa
//LKED
            EXEC PGM=IEWL, PARM='MAP, LIST, LET', COND=(4, LT, SIM),
// REGION=104K
//SYSPRINT DD
                SYSOUT=A
//SYSLIB
           DD
                DSN=&EXLIB, DISP=SHR
                DSN=SIMLIB.DISP=SHR
//SYSUT1
                UNIT=SYSDA.SPACE=(1000.100)
//SYSLMOD DD
                DSN=&&GOSET(GO),DISP=(MOD,PASS),UNIT=SYSDA,
// SPACE=(1024,(400,50,1))
                DSN=&&LOADSET,DISP=(OLD,PASS)
//SYSLIN
          DD
                DDNAME=SYSIN
//
//GO
            EXEC PGM=*.LKED.SYSLMOD,COND=((4,LT,SIM),(4,LT,LKED))
//SYSOUT
           DD SYSOUT=A
// PEND
Catalogued procedure SIMG
//SIMG
           PROC PROG=GO.LIB='&&GOSET'
            EXEC PGM=&PROG
//GO
//STEPLIB DD
                DSN=&LIB,DISP=(OLD,PASS)
//SYSOUT
           DD
                SYSOUT=A
// PEND
Catalogued procedure SIMCG
//SIMCG
           PROC EXLIB=SIMLIB, GOPARM=
//SIM
           EXEC PGM=SIMULA, REGION=86K
//SYSPRINT DD
                SYSOUT=A
//SYSUT1 DD
                UNIT=SYSDA, SPACE=(2000,(20,20))
//SYSUT2
                UNIT=(SYSDA, SEP=SYSUT1), SPACE=(2000,(20,20))
//SYSUT3
                UNIT=(SYSDA,SEP=(SYSUT1,SYSUT2)),SPACE=(2000,(20,10))
//SYSUT4
                UNIT=(SYSDA, SEP=(SYSUT1, SYSUT2)), SPACE=(1@32, 256),
           DD
// DCB=DSORG=DA
//SYSGO
           DD DSN=&&LOADSET,DISP=(MOD,PASS),UNIT=(SYSDA,SEP=SYSUT1),
// SPACE=(1600,(30,30)),DCB=BLKSIZE=1600
//G0
           EXEC PGM=LOADER, PARM= MAP, PRINT, LET, EP=ZYQENT/&GOPARM,
// COND=(4.LT.SIM)
//SYSLIN DD
                DSN=&&LOADSET,DISP=(OLD,PASS)
//SYSLIB
                DSN=&EXLIB, DISP=SHR
           DD
           DD
                DSN=SIMLIB.DISP=SHR
//SYSLOUT DD
                SYSOUT=A
//SYSOUT
           DD
                SYSOUT=A
// PEND
```

# Catalogued procedure SIM

```
//SIM
           PROC P=,CP=,LP=,RP=,GP=
//GO
           EXEC PGM=SIMCNT,COND=EVEN,
11
                 PARM= *&P/&CP/&LP/TIME = 1000, &RP/&GP *
//STEPLIB DD
                 DSN=simlib,DISP=SHR
//SYSPRINT DD
                 SYSOUT =A
//SYSUT1 DD
                 UNIT=SYSDA, SPACE=(2048, (20,20))
                 UNIT=SYSDA, SPACE = (2048, (20,20))
//SYSUT2
          DD
//SYSUT3
                 UNIT=SYSDA, SPACE=(1632, (30,15))
//SYSUT4
           DD
                 UNIT=SYSDA, SPACE=(1032,256), DCB=DSORG=DA
//SYSGD
                 UNIT=SYSDA, SPACE=(1600, (100,50)),
           DD
                 DCB=(LRECL=80, RECFM=FB, BLKSIZE=1600)
```