4.9 Functions similar to deadline scheduling

JES2 features two functions that are similar to JES3 deadline scheduling. The first function is a way to hold a job until a specific time. The other function is a way to move up a job's position in the execution queue over time so that it runs before a certain time.

4.9.1 HOLDUNTL on SCHEDULE JCL statement

HOLDUNTIL= indicates a date and time (or an amount of time that the job is held) when the job can be released from hold status.

You specify a date and time when a job can be released, as shown in Example 4-34. The job is released on 16:30 on Jun. 12 2019 in this example.

Example 4-34   Sample JCL to specify HOLDUNTIL for specific date and time

```
//JOBZ  JOB CLASS=A,MSGCLASS=H,MSGLEVEL=(1,1),NOTIFY=&SYSUID
//       REGION=0M
//SCHED SCHEDULE HOLDUNTL=('16:30','2019/163')
//STEP01  EXEC PGM=IEBGENER
//SYSPRINT DD SYSOUT=*
//SYSUT1   DD DSN=SYS1.PARMLIB(JES3IN00),DISP=SHR
//SYSUT2   DD DUMMY
//SYSIN    DD DUMMY
/*
```

Another option is to specify how long the job must be held, as shown in Example 4-35. The job is released after 30 minutes from the job submission in this example.

Example 4-35   Sample JCL to specify HOLDUNTIL for specific period

```
//JOBZ  JOB CLASS=A,MSGCLASS=H,MSGLEVEL=(1,1),NOTIFY=&SYSUID,
//       REGION=0M
//SCHED SCHEDULE HOLDUNTL='+00:30'
//STEP01  EXEC PGM=IEBGENER
//SYSPRINT DD SYSOUT=*
//SYSUT1   DD DSN=SYS1.PARMLIB(JES3IN00),DISP=SHR
//SYSUT2   DD DUMMY
//SYSIN    DD DUMMY
/*
```

Until a job is released, $DJ shows the status as shown in Example 4-36.

Example 4-36   Sample display for the job before release

```
$DJ9498
$HASP890 JOB(JOBZ) 551
$HASP890 JOB(JOBZ)      STATUS=(AWAITING EXECUTION),CLASS=A,
$HASP890                PRIORITY=8,SYSAFF=(ANY),HOLD=(JOB,
$HASP890                HOLDUNTL)
```