

APPENDIX F

RJE Sending and Receiving

General Information

In each instance, ACCT account number was previously assigned
PPPP password for the account
DPSTT is your district number prefixed by "DPS"
TT is your district number
GG is = GQ for Student or is = GU for Staff or is = EU for Finance formats,
FFFFFF is the file number defined in Appendix S
YEAR is the current fiscal year (i.e., 8788)
SURVEY is the survey for which the data is being transmitted for STUDENT and STAFF formats (i.e., 2 = Fall). Leave blank for FINANCE formats. See note below.
NNN is the node name (e.g. NWR, NER)
YY is the remote id for your RJE terminal emulator. (The person who set up the emulator will know this number. Use 0 (zero) if your site is a JES2 or PNET node, or just specify NNN.)
LLL is the record length defined in Appendix S
BBBBB is the blocksize defined in Appendix S
SPACE= '(TRK,(X,1),RLSE)' where X is the number of records submitted/
the number of records per track (see table below). Round up the final result.

If it was necessary to create multiple transmission units for any of your files, the segment numbers must be appended to the dataset name. To do this you must add the segment number to the SURVEY parameter. For instance, if there is only one transmission, code SURVEY=2. If there are multiple transmission units, code SURVEY='2.SEG01' for the first job submission, SURVEY='2.SEG02' for the second transmission and so forth until all transmission units have been transferred. Do not forget to type the quote. You may transfer up to 15 segments for each of the files.

If the transmission is a resend of the same file, (that is, the resubmission of a file that is catalogued at NWRDC,) add ,DISP=SHR (see Appendix G.6).

See Appendix S for Reporting Format record length, blocksize and space information.

*

*

Note: //jobname JOB statements use the following syntax:

//aaaaRJE JOB (aaaa,,3,9999),'programmer name',TIME=(min,sec)

Where aaaa is the account number you were previously given, 3 represents the number of lines (in units of 1,000) of anticipated printed output, and 9999 represents the number of cards to be punched. Use the following as a guideline for computing a TIME estimate:

#records * LRECL
----- = CPU seconds

300,000

*

*

1. For DOS/VSE/POWER (version 2, with PNET)

* This is an example of a transmit job:

*

```
* $$ JOB JNM=jobname,XDEST=NWR,LDEST=NNN.RYY,PWD=PPPP
//jobname JOB (ACCT) (valid NWRDC JOB card and account)
//PROCLIB DD DSN=DPS.DISTRICT.PROCLIB,DISP=SHR
//XMITSTEP EXEC RJEXMIT,PROJ=GG,FNUM=FFFFFF,DNUM=TT,
// YEAR=8788,SURVEY=2,
// SPACE='(TRK,(X,1),RLSE)'
//INPUT DD *
```

(input data)

```
/*
* $$ EOJ
```

Note: Replace RJEXMIT with RJE160RL for formats that are larger than 80 bytes. FIRNU001 must have been used to preprocess the file prior to transmission.

* This is an example of a receive job: *

For Error Records larger than 80 bytes use the following:

```
* $$ JOB JNM=jobname,XDEST=NWR,LDEST=NNN.RYY,PWD=PPPP
//jobname JOB (ACCT)                (valid NWRDC JOB card and account)
//PROCLIB DD DSN=DPS.DISTRICT.PROCLIB,DISP=SHR
//*
//*  JOB EXECUTED AT NWRDC TO RECEIVE  CHAR DATA
//*
//  EXEC NWRRJE80,PROJ=GQ,YEAR=8788,SURVEY=2,DNUM=TT,
//  FNUM=F60786,LRECL=160
//SEGMENT.INPUT DD *
T FIX 0160
/*
* $$ EOJ
```

This procedure uses FIRNU001 to segment the 160 character records into 80 character units. Once the records arrive on your punch queue they must be rejoined into 160 character records. Use FIRNU002 to accomplish this. See Appendix K for instructions on use of FIRNU002. Remember that FIRNU002 may be obtained from DPS.DISTRICT.SOURCE.Yyyyyy(FIRNU002).

For all error files 80 bytes or less and all error listings use the following:

```
* $$ JOB JNM=jobname,XDEST=NWR,LDEST=NNN.RYY,PWD=PPPP
//jobname JOB (ACCT)                (valid NWRDC JOB card and account)
/*JOBPARM CARDS = 99999
//PROCLIB DD DSN=DPS.DISTRICT.PROCLIB,DISP=SHR
//*
//*  JOB EXECUTED AT NWRDC TO SEND LE 80 CHAR DATA
//*                               OR 133 CHAR LISTINGS TO THE DISTRICTS
//  EXEC NWRRJE,PROJ=GG,YEAR=8788,SURVEY=2,DNUM=TT,
//  FNUM=FFFFFF
/*
* $$ EOJ
```

NOTE: For any report add the listing parameter ,PUNCH='SYSOUT=A' following FNUM=FFFFFF parameter. Remember to type the comma and the quotes.

2. For RJE Workstation Emulators

Sites using either the SNA or BSC RJE emulation programs, for example Burroughs, Honeywell, IBM PC, TANDY, etc., should follow the emulation program's instructions for host job submission to submit the following job.

NOTE: If your district connects to the PNET nodes at NFC (NEFEC) or Lee, refer to Appendix G.1.

```
*****  
* This is an example of a transmit job: *  
*****
```

```
//jobname JOB (ACCT)           (valid NWRDC JOB card and account)  
/*ROUTE XEQ NWR                (route execution to NWRDC)  
/*PASSWORD PPPP                (valid password for NWRDC account)  
/*ROUTE PRINT NNN.RYY          (route print back to DIST)  
//PROCLIB DD DSN=DPS.DISTRICT.PROCLIB,DISP=SHR  
//XMITSTEP EXEC RJEXMIT,PROJ=GG,FNUM=FFFFFF,DNUM=TT,  
//      YEAR=8788,SURVEY=2,  
//      SPACE='(TRK,(X,1),RLSE)'  
//INPUT DD *
```

(input data)

```
/*
```

NOTE: Replace RJEXMIT with RJE160RL for files larger than 80 bytes. FIRNU001 must have been used to preprocess the file prior to transmission.

```
*****  
* This is an example of a receive job: *  
*****
```

For files larger than 80 bytes use the following:

```
//jobname JOB (ACCT)           (valid NWRDC JOB card and account)  
/*ROUTE XEQ NWR                (route execution to NWRDC)  
/*PASSWORD PPPP                (valid password for NWRDC account)  
/*ROUTE PRINT NNN.RYY          (route print back to DIST)  
/*ROUTE PUNCH NNN.RYY          (route punch back to DIST)  
/*JOBPARM CARDS=99999          (max cards to be punched)  
/*
```

```

/*      JOB EXECUTED AT NWRDC TO RECEIVE CHAR DATA
/*
//PROCLIB DD DSN=DPS.DISTRICT.PROCLIB,DISP=SHR
//      EXEC NWRRJE80,PROJ=GQ,YEAR=8788,SURVEY=2,DNUM=TT,
//      FNUM=F60786,LRECL=160
//SEGMENT.INPUT DD *
T FIX 0160
/*

```

This procedure uses FIRNU001 to segment the 160 character format records into 80 character units. Once the records arrive on your punch queue they must be rejoined into 160 character records. Use FIRNU002 to accomplish this. See Appendix K for instructions on use of FIRNU002. Remember that FIRNU002 may be obtained from DPS.DISTRICT.SOURCEY8990(FIRNU002).

For all error files 80 bytes or less and all error listings use the following:

```

//jobname JOB (ACCT)          (valid NWRDC JOB card and account)
/*ROUTE XEQ NWR              (route execution to NWRDC)
/*PASSWORD PPPP              (valid password for NWRDC account)
/*ROUTE PRINT NNN.RYY        (route print back to DIST)
/*ROUTE PUNCH NNN.RYY        (route punch back to DIST)
/*JOBPARM CARDS=99999        (max cards to be punched)
/*

```

```

/*      JOB EXECUTED AT NWRDC TO SEND LE 80 CHAR DATA
/*                                OR 133 CHAR LISTINGS TO THE DISTRICTS
//PROCLIB DD DSN=DPS.DISTRICT.PROCLIB,DISP=SHR
//      EXEC NWRRJE,PROJ=GG,YEAR=8788,SURVEY=2,DNUM=TT,
//      FNUM=FFFFFF
/*

```

NOTE:For any report add the listing parameter ,PUNCH='SYSOUT=A' following FNUM=FFFFFF parameter. Remember to type the comma and the quotes.

3. For OS/MVS/JES2 origination site:

```

*****
* This is an example of a transmit job: *
*****

```

```

//jobname JOB (ACCT)          (valid NWRDC JOB card and account)
/*ROUTE XEQ NWR              (route execution to NWRDC)
/*PASSWORD PPPP              (valid password for NWRDC account)

```

```

/*ROUTE PRINT NNN.RYY      (route print back to DIST)
//PROCLIB DD DSN=DPS.DISTRICT.PROCLIB,DISP=SHR
//XMITSTEP EXEC RJEXMIT,PROJ=GG,FNUM=FFFFFF,DNUM=TT,
//      YEAR=8788,SURVEY=2,
//      SPACE='(TRK,(X,1),RLSE)'
//INPUT DD *

```

(input data)

```
/*
```

NOTE: Replace RJEXMIT with RJE160RL for formats larger than 80 bytes. FIRNU001 must have been used to preprocess the file prior to transmission.

```
*****
```

```
* This is an example of a receive job: *
```

```
*****
```

For records larger than 80 bytes use the following:

```

//jobname JOB (ACCT)          (valid NWRDC JOB card and account)
/*ROUTE XEQ NWR              (route execution to NWRDC)
/*PASSWORD PPPP             (valid password for NWRDC account)
/*ROUTE PRINT NNN.RYY      (route print back to DIST)
/*ROUTE PUNCH NNN.RYY     (route punch back to DIST)
/*
/*      JOB EXECUTED AT NWRDC TO RECEIVE CHAR DATA
/*
//PROCLIB DD DSN=DPS.DISTRICT.PROCLIB,DISP=SHR
//      EXEC NWRRJE80,PROJ=GQ,YEAR=8788,SURVEY=2,DNUM=TT,
//      FNUM=F60786,LRECL=160
//SEGMENT.INPUT DD *
T FIX 0160
/*

```

This procedure uses FIRNU001 to segment the 160 character records into 80 character units. Once the records arrive on your punch queue they must be rejoined into 160 character records. Use FIRNU002 to accomplish this. See Appendix K for instructions on use of FIRNU002. Remember that FIRNU002 may be obtained from DPS.DISTRICT.SOURCE.Yyyyy(FIRNU002).

For all error files 80 bytes or less and all error listings use the following:

```

//jobname JOB (ACCT)          (valid NWRDC JOB card and account)
/*ROUTE XEQ NWR              (route execution to NWRDC)

```

```

/*PASSWORD PPPP                (valid password for NWRDC account)
/*ROUTE PRINT NNN.RYY          (route print back to DIST)
/*ROUTE PUNCH NNN.RYY         (route punch back to DIST)
/*
/*      JOB EXECUTED AT NWRDC TO SEND LE 80 CHAR DATA
/*                                OR 133 CHAR LISTINGS TO THE DISTRICTS
//PROCLIB DD DSN=DPS.DISTRICT.PROCLIB,DISP=SHR
//      EXEC NWRRJE,PROJ=GG,YEAR=8788,SURVEY=2,DNUM=TT,
//      FNUM=FFFFFF
/*

```

NOTE: For any report add the listing parameter ,PUNCH='SYSOUT=A' following FNUM=FFFFFF parameter. Remember to type the comma and the quotes.

4. Sample Print out for Successful Completion of RJE File Transfer

```

IEF236I  ALLOC. FOR GQ4RJE CATSTEP XMIT
IEF237I  JES2  ALLOCATED TO SYSPRINT
IEF237I  DMY   ALLOCATED TO SYSIN
IEF237I  B0E   ALLOCATED TO SYSUT2
IEF237I  D07   ALLOCATED TO SYS01082
IEF237I  B0E   ALLOCATED TO SYSUT1
IEF1421  GQ4RJE CATSTEP XMIT - STEP WAS EXECUTED - COND CODE 0000
IEF285I      JES2.JOB02393.SO0101                SYSOUT
IEF285I      DPS01.GQ.F60777.Y85862            CATALOGED
IEF285I      VOL SER NOS= DPSR85.
IEF285I      SYS1.DPSR81.USERCAT                KEPT
IEF285I      VOL SER NOS= DPSR81.
IEF285I      D01.GQ.F60777.SUEB                KEPT
IEF285I      VOL SER NOS= DPSR85.
IEF373I  STEP /CATSTEP / START 86261.1206
IEF374I  STEP /CATSTEP / STOP 86261.1206 CPU
          OMIN 00.05SEC SRB OMIN 00.01S

```

5. RESEND Examples

RESEND for DOS/VSE/POWER (version 2, with PNET)

```

* $$ JOB JNM=jobname,XDEST=NWR,LDEST=NNN.RYY,PWD=PPPP
//jobname JOB (ACCT)                (valid NWRDC JOB card and account)
//PROCLIB DD DSN=DPS.DISTRICT.PROCLIB,DISP=SHR
//XMITSTEP EXEC RJEXMIT,PROJ=GG,FNUM=FFFFFF,DNUM=TT,

```

```
//          YEAR=8788,SURVEY=2,  
//          SPACE='(TRK,(X,1),RLSE)',DISP=SHR  
//INPUT DD *
```

(input data)

```
/*  
* $$ EOJ
```

RESEND for OS/MVS/JES2 origination:

```
//jobname JOB (ACCT)          (valid NWRDC JOB card and account)  
/*ROUTE PRINT NNN.RYY       (route print back to DIST)  
/*ROUTE PUNCH NNN.RYY       (route punch back to DIST)  
/*ROUTE XEQ NWR              (execution occurs at NWRDC)  
/*PASSWORD PPPP             (valid password for the NWRDC acct) )  
//PROCLIB DD DSN=DPS.DISTRICT.PROCLIB,DISP=SHR  
//XMITSTEP EXEC RJEXMIT,PROJ=GG,FNUM=FFFFFF,DNUM=TT,  
//          YEAR=8788,SURVEY=2,  
//          SPACE='(TRK,(X,1),RLSE)',DISP=SHR  
//INPUT DD *
```

(input data)

```
/*
```

NOTE: Replace RJEXMIT with RJE160RL for files larger than 80 bytes.
FIRNU001 must have been used to preprocess the file prior to transmission.

6. Merging Multiple Transmission Units Into a Single File

If your file was segmented into multiple transmission units it is necessary to merge these units back into a single file. A procedure has been provided to assist in accomplishing this task.

PLEASE NOTE: It is necessary to use the same job setup that was used to transmit your data. Change only the execute line(s) to execute FNMERGE and omit the //INPUT DD * line.

Example of a non DOS/VSE/POWER site

```
//ACCTMGCRS JOB (ACCT,,,10),'Your Name',TIME=(,30),MSGCLASS=A  
/*ROUTE XEQ NWR
```

```
/*PASSWORD PPPP
/*ROUTE PRINT NNN.RYY
//PROCLIB DD DSN=DPS.DISTRICT.PROCLIB,DISP=SHR
//MERGE1 EXEC FNMERGE,PROJ=GG,DNUM=TT,FNUM=FFFFFF,
//      YEAR=8788,SURVEY=2,LRECL=LLL,BLKSZ=BBBBB,
//      SPACE='(TRK,(NNN,N),RLSE)',SEG1=,SEG2=
//
```

Note: The SPACE parameter must be large enough to contain the merged output. SEG1 - SEG15 are the segments you are merging.

Please note: All segments requested must be present and must be requested in sequence. EXAMPLE: For a three segment transmission SEG1=,SEG2=,SEG3= is valid but SEG1=,SEG2=,SEG4= is not valid. For more than nine segments, begin the tenth segment in column 12 of the next line:

```
SEG1=,SEG2=,SEG3=,SEG4=,SEG5=,SEG6=,SEG7=,SEG8=,SEG9,
SEG10=,SEG11=,SEG12=,SEG13=,SEG14=,SEG15=
```

Fifteen is the maximum number of segments permitted.