

# **CONNECT:Direct User Guide**

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## SECTION 1. PURPOSE

This document was created to assist CONNECT:Direct (C:D) users and administrators with the task of communicating with the Social Security Administration (SSA) for various Office of Child Support Enforcement (OCSE) applications. When communicating via C:D, several steps must be completed. This document identifies the various steps and respective instructions. Below is a description of each section of this attachment:

**Section 2. CONNECT:Direct (C:D) Checklist:** The Checklist provides a summary of actions that States and federal agencies should take. This should be used as a general reminder of all the action items as well as a tool for verifying that steps were completed successfully.

**Section 3. C:D General Information:** This section provides a list of tasks for completing the configuration and testing of C:D processes, the SSA system/application layout, and C:D contacts.

**Section 4. Updating NETMAP:** This section provides instructions on how to update NETMAP. Sample job control language (JCL) has been provided to assist with the update. NETMAP entries are required for the C:D locations to identify and locate one another.

**Section 5. Updating VTAM:** This section provides instructions on how to update VTAM. VTAM is required for the C:D locations to communicate.

**Section 6. Completing DATA TRANSFER REQUEST Form:** This section provides the DATA TRANSFER REQUEST form and instructions. Each State or federal agency must complete this form to setup C:D processes with SSA. A form must be completed for each data set that is to be transferred between a State or federal agency and SSA.

**Section 7. Submitting C:D Processes:** This section provides samples of the JCL, C:D process, and instructions. Due to SSA's implementation of C:D, States and federal agencies DO NOT issue the COPY command. Instead, they issue a submit request in which SSA will issue the COPY statement.

**Section 8. Updating Point of Entry (POE) Security:** This provides instructions on how to update C:D's Point of Entry (POE) security. POE allows C:D sites to register the userid and node of users submitting C:D processes to them. This allows C:D to verify only authorized users and nodes to send C:D requests. POE also converts the incoming userid to a valid internal system id that has the authority to read or write a data set.

**Section 9. Setting Triggers:** This section provides instructions on how to initiate C:D triggers. Triggers can be the execution of a program or activation of messages, and they can be set for various reasons.

**Section 10. Viewing C:D Statistics:** This section provides instructions on how to view the statistics of a completed C:D file transfer process. Information on the file transferred, number of bytes transmitted, and nodes used during the transmission is detailed here.

## SECTION 2. CONNECT:Direct (C:D) CHECKLIST

Provided below is a list that States and federal agencies should reference when creating and testing C:D processes.

1. Verify entries.
  - ▶ Consult the sample JCL to ensure that the entries have been made correctly.
  - ▶ You only have to create a VTAM and NETMAP entry for both SSA machines once. You DO NOT do this for each C:D process, just ONCE for each machine you will be communicating with.
2. Complete DATA REQUEST FORM.
  - ▶ Provide C:D requestor's name, telephone number, fax number, and email address.
  - ▶ Provide the USERID(s) you will be using when submitting the C:D process. NOTE: These userids must be registered with SSA.
  - ▶ When sending a file to SSA, complete the **FILE CREATION** section:
    - ✓ **SITE NAME** – this is your C:D node name. It is generally NDM.SGA.xxx, where xxx is S and the state code.
    - ✓ **DATA SET NAME** – this is the file that resides on your machine that will be sent to SSA.
    - ✓ **NOTE:** If MVS, each node must be 8 characters or less.  
If UNIX, the name must contain the path/filename.  
If NT, the name must contain the path/filename.
    - ✓ **SIZE IN BYTES** – the estimated TOTAL size of the file to be sent to SSA.
  - ▶ When receiving a file from SSA, complete the **FILE DESTINATION** section:
    - ✓ **SITE NAME** – this is your C:D node name. It is generally NDM.SGA.xxx, where xxx is S plus the state code.
    - ✓ **DATA SET NAME** – this is the file that will be sent to you from SSA.
    - ✓ **NOTE:** If MVS, each node must be 8 characters or less.  
If UNIX, the name must contain the path/filename.  
If NT, the name must contain the path/filename.
  - ▶ **SPECIAL INSTRUCTIONS** – this should be completed if the file is to be read from or written to a special DISK PACK or UNIT, triggers need to be created, or if there are any other special considerations needed for transferring data.
3. Create JCL.
  - ▶ Ensure that you specify the correct version of NETMAP to the DDNAME – DMNETMAP. If you are running two versions of C:D, you may point to the incorrect version.
  - ▶ &RUNDATE – MUST be in YYMMDD format.

**NOTE:** This is a non-Y2K date because no date calculations are done, and it is an IBM standard. IBM data set naming conventions are as follows: all nodes must be 8 characters or less and if the node contains numerics, it must begin with an alpha character. SSA uses R in front of the date

provided to create a data set name of xxxxxxx.Ryymmdd. If a date of 19990514 was submitted, it would result in a data set name of xxxxxxx.R19990514. R19990514 is an invalid node because it exceeds 8 characters.

4. Create C:D Process.
  - ▶ PNODE – this must be your C:D node name.
  - ▶ SNODE – this must be either NDM.SSA.MISF or NDM.SSA.NCC depending on the application.
  - ▶ DSN – this must be your filename. Ensure that **Snn**, is S plus the state abbreviation or the 3 position agency code.
  - ▶ &MEMBER – verify that you are submitting the correct process using Table 1.

Table 1 – C:D Inbound Processes

<b>&amp;MEMBER</b>	<b>OCSE Application</b>
FCRIN	Federal Case Registry Updates
FPLICASI	Federal Parent Locator Service Updates
FPLSIN	Used by federal agencies for FPLS Locates
QWIN	Quarterly Wage Submissions
TAXLOCI	Federal Offset Address Updates
TAXUPDI	Federal Offset Update
TAXPPDI	Used by Dept of State (DOS) for Passport Denial
TNNREQI	1099 Updates
UIIN	Unemployment Insurance Submissions
W4IN	New Hire Submissions

5. Update C:D Point of Entry (POE) Table.
  - ▶ Ensure that three entries per SSA node have been made. One to read the file from the State/federal agency node, one to read the file from the SSA node, and one to write the file to the State/federal agency node.
  - ▶ Ensure the userid used has the appropriate security authorization to read or write the file(s). You will need to contact your security administrator for the authorization.
6. Test C:D Processes.
  - ▶ Ensure POE is complete.
  - ▶ Ensure VTAM and NETMAP entries are complete.
  - ▶ Ensure the file is the correct format and size.
  - ▶ If the file has a header recorder and that header record contains a BATCH NUMBER, set the batch number to 999999 for testing.
  - ▶ Submit the C:D process then:

- ✓ Check the completion of the process by viewing the C:D/NDM statistics. If there are any errors, resolve them and resubmit.
- ✓ If the submission was successful, contact the Data Transmission Team (DTT) to verify the SSA process was initiated.
- ✓ If triggers were to be executed, verify they ran successfully. If there are problems with the triggers, contact the DTT.
- ▶ Verify the receipt of test file(s)
  - ✓ Check that the file is on your system.
  - ✓ If triggers were to be executed, verify they ran successfully. If there are problems with the triggers, contact the DTT.
  - ✓ If the file was never transferred, contact the DTT.

**SECTION 3. C:D GENERAL INFORMATION**

Transmissions between SSA and other Connect:Direct (C:D) sites are enabled for the C:D security feature “secure+”. This will encrypt the data to meet NIST standards.

When establishing a C:D procedure with SSA, several steps or procedures are taken. Table 2 lists the procedures and responsible entity:

Table 2 – C:D Tasks and Responsibilities

Performed By	Task
DTT	Send SSA Data Transfer Request to State/federal agency
State/federal agency/ DTT	Verify Netmap entry
State/ federal agency / DTT	Verify VTAM entry
State/ federal agency	Complete and return the Data Transfer Request 4/98 form
DTT	Review Data Transfer Request form and forward to SSA
DTT	Provide JCL and sample C:D process to State / federal agency
State/ federal agency	Setup JCL and C:D process
SSA	Code C:D Process
SSA	Register State / federal agency C:D userid
State/ federal agency / SSA	Update C:D Point Of Entry (POE) Table with SSA userid
State/ federal agency	Create Test File
State/ federal agency / SSA	Send Test File and resolve all issues until test is successful
DTT	Verify Receipt of Test Files
State/ federal agency / DTT	Move into production

SSA has two systems that can receive C:D transmissions. Table 3 lists the OCSE applications and the SSA systems on which they run.

Table 3 – SSA Systems and OCSE Applications

System	Applications
NCC (PPF1)	NDNH (QW, UI, W4), FCR,/ FIDM
MISF (PPF3)	FPLS, Federal Offset (FO), 1099

If you have any questions concerning C:D file transmissions or need assistance, please contact one of the following people:

Abe Klugman, (410) 965-5635, [aklugman@acf.hhs.gov](mailto:aklugman@acf.hhs.gov),  
Gary Sullivan, (410) 966-0931, [gasullivan@acf.hhs.gov](mailto:gasullivan@acf.hhs.gov), or  
Natalie Frank, (410) 966-4737, [nfrank@acf.hhs.gov](mailto:nfrank@acf.hhs.gov)

#### SECTION 4. UPDATING NETMAP

A Netmap entry is required for the C:D nodes to communicate. Each C:D site registers the node of the other C:D sites with which it will be communicating. If there is no Netmap entry for SSA, it should be added. Both SSA systems need to be defined, so C:D will know which locations to send data to and receive data from. Below are the instructions for adding Netmap entries in C:D tables.

##### Modifications to Node Name and NETMAP

```
//JOBSEND JOB (OCSE,XYX),'NDNHXMIT',CLASS=E,MSGCLASS=T,NOTIFY=xyz
/*
//DMBATCH EXEC PGM=DMBATCH,REGION=1M,PARM=(YYSLYNN)
//STEPLIB DD DISP=SHR,DSN=SYS3.NDM.STAND.LOADLIB
//DMNETMAP DD DISP=SHR,DSN=SYS3.NDM.STAND.NETMAP
//DMPUBLIB DD DISP=SHR,DSN=SYS3.NDM.STAND.PROCESS.LIB
//DMMSGFIL DD DISP=SHR,DSN=SYS3.NDM.STAND.MSG
//DMPRINT DD SYSOUT=*
//SYSPRINT DD SYSOUT=*
//NDMCMDS DD SYSOUT=*
//SYSUDUMP DD SYSOUT=*
//SYSIN DD *
SIGNON
UPDATE NETMAP WHERE ( NETINPUT=filename(membername))
SIGNOFF
/*
//
```

In another file, perhaps SYS3.NDM.STAND.PROCESS.LIB, create a member that contains:

```
$$INSERT ADJACENT.NODE=(PARSESS=(10 2) (NDM.SSA.NCC NDMNCC, , SNA) )
$$INSERT ADJACENT.NODE=(PARSESS=(10 2) (NDM.SSA.MISF NDMMISF, , SNA) )
```

Be sure the (membername) in the JCL matches the member you created that contains the \$\$INSERT command.

## **SECTION 5. UPDATING VTAM**

If there is no VTAM entry for SSA, it should be added. Both SSA systems need to be defined, so C:D will know which locations to send data to and receive data from. Below are the instructions for adding VTAM entries in the VTAM library.

### **VTAM Instructions:**

The VTAM System maintenance person should modify the VTAMLST. The VTAMLST library contains a member, CDRSC that helps VTAM find the SSA C:D node. It should currently have the following line:

```
NDM70 CDRSC
```

Please add a line after "NDM70 CDRSC" as follows:

```
NDMMISF CDRSC
```

Deactivate and reactivate the CDRSC entry. This will activate NDMMISF in the same CDRSC member and will routine to NDMMISF as a second node to the same VTAM location. (NOTE: You are using the same CDRSC definition for NDM.SSA.NCC and NDM.SSA.MISF.)

**SECTION 6. COMPLETING DATA TRANSFER REQUEST FORM**

In order to create C:D processes, the following form must be completed by each State and federal agency. Instructions for completing the form are located on the next page. **NOTE:** This form must be completed for each data set that will be transmitted between the user and SSA.

**DATA TRANSFER REQUEST  
04/98**

TO: DCOPC/BSPIB/UIT  
FROM:  
DATE:

Requestor's Name	Phone Number	Fax	Email

REASON FOR REQUEST: NEW FILE \_\_\_\_\_ CHANGE \_\_\_\_\_ DELETE \_\_\_\_\_  
ONE TIME ONLY \_\_\_\_\_ TESTING \_\_\_\_\_

DATA FLOW: INCOMING DATA \_\_\_\_\_ OUTGOING DATA \_\_\_\_\_  
IMPLEMENTATION DATE (Allow a 3 week lead time): \_\_\_\_\_

DATA TRANSFER METHOD:  
Connect:Direct \_\_\_\_\_ BDTU \_\_\_\_\_ VISN \_\_\_\_\_  
\*\* AFTS \_\_\_\_\_ EDI \_\_\_\_\_ Other \_\_\_\_\_

External Connect:Direct users submitting this request must provide their BatchID/UserID and the name and phone number of the ID owner.

BatchID/UserID \_\_\_\_\_  
Owner Name \_\_\_\_\_ Owner Phone Number \_\_\_\_\_

**FILE CREATION**

COMPLEX: PPF1 \_\_\_\_\_ MISF \_\_\_\_\_  
SITE NAME \_\_\_\_\_  
DATA SET NAME \_\_\_\_\_  
SIZE IN BYTES \_\_\_\_\_  
CREATING JOB NAME (if SSA application) \_\_\_\_\_

**FILE DESTINATION**

COMPLEX: PPF1 \_\_\_\_\_ MISF \_\_\_\_\_  
SITE NAME \_\_\_\_\_  
SERVER ADDRESS: Ring Number \_\_\_\_\_ Device Number \_\_\_\_\_  
DATA SET NAME \_\_\_\_\_

Will the receipt of this data set trigger a Control-M job? Please provide details in Special Instructions.

SPECIAL INSTRUCTIONS (include special device types, addresses, job triggers, etc. )

\*\* AFTS FILEWATCHER control information:

## DATA TRANSFER REQUEST FORM INSTRUCTIONS

Provide the information as indicated below in the appropriate blanks on the form.

### Requestor Information:

Name: Provide the name of the person requesting the action.

Phone Number: Provide the telephone number of the person requesting the action.

Fax Number: Provide the fax number of the person requesting the action.

Email: Provide the requestor's SSA component or agency equivalent or email address.

**Reason for the Request:** Check the appropriate response. This should be NEW FILE or CHANGE only.

**Data Flow:** Indicate whether the file is incoming or outgoing. Incoming is a file sent from a user to SSA. Outgoing is a file sent from SSA to a user.

**Implementation Date:** Provide the expected date that the files are to be used in the Production environment. *Please allow a 3 week lead time. Lead-time is needed for setup and testing (when applicable).*

**Data Transfer Method:** Indicate which file transfer product will be used to move data to/from SSA - select **CONNECT:Direct**. SSA recommends the Point of Entry access method to allow proper security access to the Data Center. External users who are submitting the request form **must** include and identify the BatchID or UserID that will be used to submit their processes. Provide the name, telephone and fax number of the ID owner for contact purposes.

### File Creation:

**Complex:** Provide the complex where the file is generated. If the request is from an external user (i.e., State agency, federal agency, or outside user), that user must provide the site name.

**Site Name:** If the request is from an external user (i.e., State agency, federal agency, or outside user), that user must provide the site name. This is the user's C:D Node Name.

**Data Set Name:** Provide the exact data set name being transferred.

**File Size in Bytes:** Provide the TOTAL file size in bytes - not the record length of the file. This number should be the estimated total amount of space the file will require.

**Creating Job Name:** If the requestor is an internal user, the name of the C:D process must be provided. External users need only provide their site name or C:D Node Name.

**File Destination:**

**Complex:** Provide the complex receiving the file. If the receiving site is outside SSA, provide the site name and/or server address.

**Site Name:** If the receiving site is outside SSA, provide the site name and/or server address. This is the user's C:D Node Name.

**Server Address:** If the receiving site is outside SSA, provide the site name and/or server address. The Server Address must include the ring number and device number.

Ring Number: Provide the ring number of the file server receiving the file.

Device Name: Provide the device number.

NOTE: These items are not mandatory.

**Data Set Name:** Provide the exact data set name that the receiving site will receive.

**Special Instructions:** Explain any special transmission or handling requirements (e.g., job or task triggers, special device address or name, DMBATCH use, etc.).

**AFTS FileWatcher Control Information:** If the AFTS file is using the FileWatcher utility, provide the necessary parameters for all statements needed for the file. The Scheduling Analyst Team (SAT) will code the statements for the rule file.

## SECTION 7. SUBMITTING C:D PROCESSES

The JCL and C:D process below are needed for States and federal agencies to submit C:D processes. You may use the following sample JCL to build the job for transmitting OCSE data files to the SSA Data Center. Substitute your own values for the CONNECT:Direct dataset names. As this is a sample, other information may require modification to conform to your data center environment.

```
//JOBSEND JOB (OCSE,XYX),'NDNHXMIT',CLASS=E,MSGCLASS=T,NOTIFY=xyz
/*
//DMBATCH EXEC PGM=DMBATCH,REGION=1M,PARM=(YYSLYNN)
//STEPLIB DD DISP=SHR,DSN=SYS3.NDM.STAND.LOADLIB
//DMNETMAP DD DISP=SHR,DSN=SYS3.NDM.STAND.NETMAP
//DMPUBLIB DD DISP=SHR,DSN=SYS3.NDM.STAND.PROCESS.LIB
//DMMSGFIL DD DISP=SHR,DSN=SYS3.NDM.STAND.MSG
//DMPRINT DD SYSOUT=*
//SYSPRINT DD SYSOUT=*
//NDMCMDS DD SYSOUT=*
//SYSUDUMP DD SYSOUT=*
//SYSIN DD *
SIGNON
SUBMIT PROC=SENDSSA NOTIFY=xyz &RUNDATE=YYMMDD
SIGNOFF
/*
//
```

Place the following process, SENDSSA, into the PDS library referenced by the above DMPUBLIB DD statement.

NOTE: Substitute your agency or State C:D Node name where the nnn appears. For FCR and National Directory of New Hire (NDNH), substitute SNODE=NDM.SSA.MISF with SNODE=NDM.SSA.NCC.

```
SENDSSA PROCESS PNODE=NDM.SGA.nnn SNODE=NDM.SSA.MISF
*
STEP1 SUBMIT DSN=NDMNCC.nnn.PROCESS.LIB(xxxxxxx) -
SUBNODE=SNODE -
&RDATE=&RUNDATE
```

NOTE: nnn – is the S + the two-position state abbreviation (i.e., SAL, SIL, STN) OR the three position federal agency code (i.e., DOD, FBI, SEC). xxxxxxxx is the C:D process that resides on SSA's machine that you want submitted (see Table 1).

**SECTION 8. UPDATING POINT OF ENTRY (POE) SECURITY**

The following entry should be made by the States/federal agencies to allow C:D's POE security to be used. POE entries can be made online or via batch. Five entries should be added to the OCSE/SSA applications using C:D. These entries should be made in addition to the entries in the table to employ POE Security.

Table 4 identifies the entries that should be added to the POE table.

Table 4 – POE Entries

USERID	C:D NODE	Purpose
NDMSxx	Your own C:D Node	Read access to the file that will be copied to SSA
NDMSxx	NDM.SSA.NCC	Read access to the file that will be copied to SSA
NDMTRLR	NDM.SSA.NCC	Write access to the file that will be copied from SSA
NDMSxx	NDM.SSA.MISF	Read access to the file that will be copied to SSA
NDMTRLR	NDM.SSA.MISF	Write access to the file that will be copied from SSA

Where Sxx is S plus the two character State abbreviation or replace with the three position federal agency abbreviation.

Using the sample C:D JCL below, substitute “NDM.SGA.Sss” with the your C:D Nodename. For stateuserid, password substitute the userid/password to be used by the State/agency when submitting the C:D job. You may use a read stateuserid,password for the first entry and a write/create capable stateuserid,password for the second.

```
//JOBSEND JOB (OCSE,XYX),'NDNHXMIT',CLASS=E,MSGCLASS=T,NOTIFY=xyz
/*
//DMBATCH EXEC PGM=DMBATCH,REGION=1M,PARM=(YYSLYNN)
//STEPLIB DD DISP=SHR,DSN=SYS3.NDM.STAND.LOADLIB
//DMNETMAP DD DISP=SHR,DSN=SYS3.NDM.STAND.NETMAP
//DMPUBLIB DD DISP=SHR,DSN=SYS3.NDM.STAND.PROCESS.LIB
//DMMSGFIL DD DISP=SHR,DSN=SYS3.NDM.STAND.MSG
//DMPRINT DD SYSOUT=*
//SYSPRINT DD SYSOUT=*
//NDMCMDS DD SYSOUT=*
//SYSUDUMP DD SYSOUT=*
//SYSIN DD *
SIGNON
INSERT USER NAME='SSA DATA CENTER-READ' -
USERID=(NDM.SGA.Sss,NDMSss) SECURITY=(stateuserid,password)
INSERT USER NAME='SSA DATA CENTER-WRIT' -
```

```
        USERID=(NDM.SSA.NCC,NDMTRLR) SECURITY=(stateuserid,password)
SIGNOFF
/*
//
```

The INSERT/UPDATE/SELECT/DELETE USER RECORD screen can be used to add the POE entries online as well as verify the entries added via the JCL above.

- 1) Go to the NDM Panels
- 2) Select: ADM
- 3) Select: IU

The following screen will appear:

```

XX.XXX.XXXXXX      INSERT/UPDATE/SELECT/DELETE USER RECORD      HH:MM
CMD = =>

FUNCTION          =>      ('I' - INS, 'U' - UPD, 'S' - SEL, 'D' - DEL)
ENTER USER INFORMATION:      NAME: => _____
  USER ID => _____
  USERNODE => _____      PHONE: => _____
  PASSWORD => _____
  SEC ID => _____
  SEC PASS => _____
  MAX SIGNON ATTEMPS => _____      PASSTICKET DATA => ( _____ , _____ )

DEFINE USER FUNCTIONS: (RESPOND WITH 'Y' - YES OR 'N' - NO)
INSERT USER      => ___ FLUSH PROCESS      => ___ SELECT NETMAP      => ___
DELETE USER      => ___ SELECT PROCESS      => ___ UPDATE NETMAP      => ___
SELECT USER      => ___ SUBMIT FUNCTION      => ___ MODALS FUNCTION      => ___
UPDATE USER      => ___ RUNJOB FUNCTION      => ___ RUNTASK FUNCTION      => ___
COPY FUNCTION     => ___ CONTROL TRACING      => ___ INSERT TYPE      => ___
CHANGE PROCESS   => ___ STOP C:D      => ___ DELETE TYPE      => ___
DELETE PROCESS   => ___ SQL INSERT      => ___ UPDATE TYPE      => ___
SQL CREATE       => ___ SQL DROP      => ___ SQL GRANT      => ___
STAT COMMAND     => ___ GEN.DEL.PROCESS      => ___ GEN.FLS.PROCESS      => ___
GEN.SEL.PROCESS  => ___ GEN.SEL.STATISTICS => ___ RESET SIGNON      => NO_
GEN.CHG.PROCESS => ___ EVENT COMMAND      => ___ ALLOW MIXED CASE? => NO_
    
```

- 4) Function: S or I
- 5) User ID: xxxxxxxx (Refer to the chart above.)
- 6) User Node: xxx.xxx.xxx (Refer to the chart above.)
- 7) Secondary ID: xxxxxxxx (Should be the userid that NDMSxx is translated to for READ or WRITE purposes.)

**SECTION 9. SETTING TRIGGERS**

Triggers may be used during the C:D process. Triggers initiate a program, issue messages, or alert the user when the file has been copied to SSA or the file has been written to the user. Below are four examples:

1. Notification of C:D failure. This will notify the submitter that the C:D job failed. This means that the State/federal agency submitting the C:D JCL had an error and could not connect to SSA. This could be due to JCL problems, data set problems, or security issues. View the NDM statistics to determine the exact cause of the problem.

```
*/ ***** */
*/ PROCESS: DU400201 */
*/ CALLED BY: JU4002 */
*/ FUNCTION: TRANSMIT NEW HIRE DATA TO NDNH (NATIONAL) */
*/ INPUT: DWDUINHP.NDM.NHW4SEND.U4001.RYYMMDD */
*/ OUTPUT: OLBG.BTO.W4.AA.RYYMMDD */
*/ SHOUTS TO: (ONLY IF BAD RETURN CODE FROM TRANSMISSION) */
*/ ***** */
*/
DU014002 PROC SNODE=NDM.SSA.NCC -
          PNODE=NDM.SSA.AAA
*/ ***** */
*/ STEP01 TRIGGERS TRANSMISSION OF FILE TO NDNH */
*/ ***** */
STEP01 SUBMIT DSN=NDMNCC.SAA.PROCESS.LIB(W4IN) -
          SUBNODE=SNODE -
          &RDATE=&RUNDATE
*/ ***** */
*/ STEP02 GENERATES A SHOUT MESSAGE TO NOTIFY IF BAD */
*/ RETURN CODE FROM THE NDM SEND PROCESS */
*/ ***** */
STEP02 IF(STEP01 NE 0)THEN
NOTIFY1 RUN TASK (PGM=DMNOTFY2,PARM=(FAIL, -
          'BAD RC ON NDM FILE TRANSMISSION - SEE JU4002 ', -
          JX3047,JX5009,JX4006,JX4013,JX4016,JX3061)) PNODE
EIF
*/ ***** */
```

2. Notification of Copy failure. This will notify the submitter that the C:D job connected with SSA successfully but SSA was unable to copy the file. This means that the State/federal agency submitting the C:D JCL had an error due to data set problems or security issues. View the NDM statistics to determine the exact cause of the problem.

Below is an example of code from Colorado. The code notifies the user if the FCR process ran successfully or failed. This code was written by Craig Carson and simplified to use the JCL notify process only.

```
//E57FCRB JOB(IHX,201,82,1),CCARSON,MSGCLASS=0,NOTIFY=$ET57
//*MAIN CLASS=3
/*
//STEP2 EXEC DTNAT2D2,SOUT=X
//SYSIN DD *
EACSESB,ET57
PASSWORD
ELDRCG
//ABEND1 EXEC PGM=CBLABEND,PARM=010,COND=(0,EQ,STEP2.STEP1)
```

```
-----
* PROGRAM NAME: ELDRCG - RETURN BAD COMPETION CODE IF FCR DID NOT RUN
* PROGRAMMER: C. CARSON
* DATE WRITTEN: 04/12/99
* REMARKS:
* THIS PROGRAM WILL RUN IF THE CONNECT DIRECT JOB FROM THE FCR
* PROCESS DID NOT RUN CORRECTLY.
*
* THIS PROGRAM WILL RUN FOR AN ABEND CODE IN THE JCL.
*****
* V02
*****
TERMINATE 0010
*
END
```

This program will notify the user with a termination code of 10.

3. Notification of Copy completion. This will notify the submitter that the C:D job connected with SSA successfully and the file was copied successfully. View the NDM statistics to see the detail information of the copy.

The JCL for the good return code is the same except that I execute program ELDRCG2:

```
* PROGRAM NAME: ELDRCG2 - FORCE GOOD COMPLETION CODE IF FCR RAN GOOD
* PROGRAMMER: C. CARSON
* DATE WRITTEN: 04/12/99
* REMARKS:
* THIS PROGRAM WILL RUN IF THE CONNECT DIRECT PROCESS FROM THE FCR
* PROCESS RAN CORRECTLY.
*
*****
* V02
*****
WRITE 'JOB RAN GOOD'
*
END
```

This program will notify the use with a “JOB RAN GOOD” message.

4. Execution of a user program. This will initiate the user’s program once the file has been copied from SSA.

```
STEPRJ RUN TASK (DSN=SHS000.ACSES.PROCESS.LIB(CA7IRPT)) SNODE
```

**SECTION 10. VIEWING C:D STATISTICS**

Viewing the results of a C:D transfer is important to ensure that the file was copied successfully. The following instructions may be used to view the results of a C:D (NDM) File Transfer. Table 5 lists all the processes that OCSE/SSA can and will execute. Use these names when looking for the transfer statistics.

Table 5 – OCSE/SSA C:D Processes

<b>Process</b>	<b>Description</b>
FCR1099	Output to States for 1099 Responses
FCRIN	Updates from the States to the FCR
FCROUT	Output to States for Errors/Responses/Acknowledgements
FPLICASI	Input from States to FPLS
FPLLOCO	Output to States on FPLS Locates
FPLREJO	Output to States on FPLS Rejects
FPLSIN	Input from External Sources to FPLS on Locates
FPLSOUT	Output to External Sources on FPLS Locate Requests
QWIN	Input from States on Quarterly Wage (QW)
QWOUT	Output to States on Quarterly Wage (QW) Errors
TAXADRO	Output to States on Obligor's Address
TAXCERTO	Output to States on Annual Certifications
TAXCOLO	Output to States on Monthly Collections
TAXCRPTO	Output to States for the Collection Report
TAXLOCI	Pre Offsets Contact Address from States
TAXPPDI	Input from DOS on Rejected Passport Denial Records
TAXPPDO	Output to DOS for Passport Denial Reporting
TAXREJO	Output to States on Annual/Update rejections
TAXRRPTO	Output to States for the Reject Report
TAXUNACO	Output to States on Unaccountables
TAXUPDI	Updates from States on Tax information
TNNREQI	Monthly requests from the States to 1099
TNNRESPO	Output to States on Monthly Responses
UIIN	Input from States on Unemployment Insurance (UI)
UIOUT	Output to States on Unemployment Insurance (UI) Errors
W4IN	Input from States on New Hires (W4)
W4OUT	Output to States on New Hire (W4) Errors

Viewing the results ONLINE:

- 1) Go to the NDM Panels.
- 2) Select N.
- 3) Select SS.

The following screen will appear:

<b>NDM.SSA.NCC</b>	<b>SELECT STATISTICS</b>
<b>CMD ==&gt;</b>	<b>13:28 10.23.1998 1998.296</b>
<b>PROCESS NUMBERS:</b>	<b>CMD: SUM</b>
<b>==&gt; _____ ==&gt; _____</b>	<b>==&gt; _____ ==&gt; _____</b>
<b>PROCESS NAMES:</b>	
<b>==&gt; _____ ==&gt; _____</b>	<b>==&gt; _____ ==&gt; _____</b>
<b>START DATE ==&gt; TODAY _____</b>	
<b>START TIME ==&gt; _____ (HH:MM:SSXM)</b>	
<b>STOP DATE ==&gt; _____</b>	
<b>STOP TIME ==&gt; _____ (HH:MM:SSXM)</b>	
<b>CONDITION CODE: ==&gt; _____</b>	
<b>EXCLUDE ( MEMBER RECS ==&gt; Y WTO RECS ==&gt; Y WTO RECS ==&gt; N )</b>	
<b>CHANGE EXTENDED OPTS: ==&gt; N</b>	
<b>F1=HELP F2=SPLIT F3=END F4=RETURN F5=RFIND F6=RCHANGE</b>	
<b>F7=UP F8=DOWN F9=SWAP F10=LEFT F11=RIGHT F12=RETRIEVE</b>	

- 4) Enter the process name from the above list or process number.

5) The following screen will appear:

```
Statistics - By Process
-----STATISTICS SUMMARY----- Row 1 to 6 of 406
  FUNCTION PNAME  PNUMBER  --SUBMITTER.NODE--OTHER.NODE----
  USERID
  MSGID  RTNCD  END DATE / TIME  P|SNODE
-----
COPY  W4IN  63,716  NDM.SGA.SNM  NDM.SGA.SNM
NDMSNM
SCPA000I 00000000 02/25/1999 00:13:11 SNODE
* RUN-TASK W4IN  63,716  NDM.SGA.SNM  NDM.SGA.SNM
NDMSNM
SRTA005I 00000008 02/25/1999 00:13:11 PNODE
RUN-TASK W4IN  63,716  NDM.SGA.SNM  NDM.SGA.SNM
NDMSNM
SRTA000I 00000000 02/25/1999 00:13:13 PNODE
PROC-END W4IN  63,716  NDM.SGA.SNM  NDM.SGA.SNM
NDMSNM
==>                                SCROLL ==> CSR
```

Place an 'S' to the left of the COPY function to display the statistics. The following information will be displayed:

```
Statistics - Results of the copy process
NDM.SSA.NCC          COPY          14:24
CMD ==>
Copy step successful.

Process Name : W4IN    Submitter : NDM.SGA.SIL
Userid : NDMSIL
Process Number : 59,024  Other Node: NDM.SGA.SIL  P!Snode : SNODE
Starting Time : 12:18:11 Date : 02/22/1999 Sending Node : SNODE
Ending Time : 12:21:45 Date : 02/22/1999 RC : 00000000
Step Name : STEP1  Rusize : 4,096  MSGID : SCPA000I
      *CKPTED* *COMPRESSED*

          SENDING STATS
Dataset Name : AIDP.C6011265.NHIR.G0335V00
Block count : 175  Records : 0  RUs : 325
I/O Bytes : 5,594,985  VTAM bytes: 1,328,516
Members : 0  Aliases : 0  Comp% 76.3%
Members ↯Sent : 0  Aliases ↯Sent : 0

          Receiving STATS
Dataset Name : OLBG.NDO.SIL.W4IN.FPLS.R990222
Block count : 175  Records : 0  RUs : 325
I/O Bytes : 5,594,985  VTAM bytes: 1,328,516
Members : 0  Aliases : 0  Comp% 76.3%
1st 8 volumes : PR1005
```

### Batch

To view the results of C:D processing in Batch Mode, run a C:D Batch exactly as you did for the SUBMIT Process, but substitute the following control cards:

```
SEL STAT WHERE (
    PNAME = ( PROCNAME W4IN QWIN UIIN ) -
    STARTT = ( TODAY ) ) TABLE
```

An alternate set of cards might be:

```
SEL STAT WHERE (
    PNAME= ( PROCNAME W4IN W4OUT QWIN QWOUT UIIN UIOUT -
    FCRIN FCROUT FCR1099 ) -
    STARTT= ( TODAY ) ) TABLE
```

OR

```
SIGNON
SEL STAT WHERE (
    PNAME= (TAX*,TNN*,FPL*) -
    STARTT=(08/23/1999,13:22:00) -
    STOPT=(TU,10:22:00) -
    CCODE=(NE,0) -
) -
PR
SIGNOFF
```

The output will be different but you will be able to determine the results of the C:D processing. Use any C:D process names from Table 5.