EDI Complete

ANSI X12 Tutorial Guide

for Gentran:Server® for iSeries®

Release 3.5

Sterling Commerce
An IBM Company

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Preface

Before You Begin

Welcome to Gentran:Server®, the EDI software that makes it easy to manage the data exchange between you and your trading partners.

The ANSI X12 Tutorial enables you to accomplish an end-to-end translation scenario with hands-on experience in partner setup, mapping, and translation processing. Step-by-step instructions are provided to guide you through the setup, and the Gentran:Server online Help will give you additional information at any step in the process.

In this exercise, you are provided with a case scenario in which you will assume the role of a manufacturer who is setting up EDI documents with a fictitious trading partner.

Install Sample Library

If the sample tutorial library has not already been installed, it must be installed before proceeding. If you are unsure if the sample library has been installed, check for the existence of the default library name G3X5SAMP.

To install the sample library, load the Gentran:Server for iSeries Release 3.5 CD-ROM into a CD-ROM device or download the G3X5SAMP Save File from the ESD Portal (which is included with the product download). You must be signed on as QSECOFR or have security privileges.

On the command line, enter **DWNSAMP** and press **F4** to prompt. The command is illustrated below.

```
                        Download Sample Library (DWNSAMP)

 Type choices, press Enter.

 Device . . . . . . . . . . . . .    OPT01          Name, *SAVF
 Sample Tutorial Library  . . . .    G3X5SAMP       Name
 Run Interactively? . . . . . . .    *NO            *YES, *NO
 Library for Save Files . . . . .    _____          Character value

                           Additional Parameters

 Auxiliary Storage Pool . . . . .    *SAVASP        *SAVASP, 1, 2, 3, 4, 5, 6...
 End of tape option . . . . . . .    *UNLOAD        *UNLOAD, *REWIND, *LEAVE
 Validate Volume ID?  . . . . . .    *YES           *YES, *NO




                                                                          Bottom
 F3=Exit   F4=Prompt   F5=Refresh   F12=Cancel   F13=How to use this display
 F24=More keys   _____
```

Specify the device name where the CD is loaded (in this example, **OPT01**) or enter *SAVF if restoring from Save Files. Optionally, change the library name (in this example, **G3X5SAMP**). Press **F10** for additional parameters, if restoring from a Save file, specify the library name where the Save file resides. Press **Enter** to run the installation.

Environment Control Setup

When the installation is complete, create user profiles in Gentran:Server by accessing Environment Control (type **GO GENMAIN** and select option **6**) with the sample library listed first in the library list.

To use the tutorial data, the user's library list should include the following libraries when accessing Gentran:

- QTEMP
- QGPL
- G3X5SAMP
- G3X5DTA
- G3X5PGM

SEE the "Environment Control" chapter in the *User Guide* for more information on creating user profiles in Gentran.

Overview

Before starting this translation tutorial, you need the following information about the case scenario:

- You will assume the role of a tea leaf supplier called "Mycompany, Inc."

- Your trading partner is a tea bag manufacturer called "Sweet Tea."

- Your partner wants to send X12 purchase orders (850) and receive invoices (810) using the standards version 004010.

- Sample EDI data from your partner has been provided.

- Application files and data have been provided.

- Separate inbound and outbound instructions have been provided to step you through the process.

At this time, you should select the direction (inbound or outbound) for translation.

You can choose to complete both the inbound and outbound translations. If so, we recommend you start with the inbound scenario.

1 Inbound Overview

In this inbound exercise, you will set up your Gentran:Server system to receive purchase orders from Sweet Tea. In this task, you will accomplish the following:

➢ View the sample inbound EDI data.

➢ Set up a trading partner.

➢ Create an application definition that tells Gentran:Server how to interface with your application.

➢ Create a transaction map that will give Gentran:Server the necessary instructions for the data translation between the EDI data and your sample application.

➢ Process inbound EDI data for translation and view the resulting reports.

This exercise is not intended to show you all the Gentran:Server features, but to show you how it is possible to set up the system and get it running quickly. That is why you will sometimes be asked to fill in only required fields on panels.

Assumptions

In this scenario, assume the following information is going to be sent by your trading partner (Sweet Tea) in the electronic purchase orders:

■ Purchase Order date

■ Purchase Order number

■ Ship To name

■ Quantity

■ Unit of measure

■ Unit price

■ Product UPC number

■ Vendor product ID

■ Total purchase order amount

■ Item count

The following is a sample of the paper purchase order received from your partner along with the EDI equivalent for each component. (You will be using ANSI X12 standard 004010 to translate the data.) In this exercise, you will be generating the application data during translation.

Interchange (ISA)

Group (GS)

Transaction (ST)

Sweet Tea, Inc **PURCHASE ORDER**

ORDER NO. 01120001

Date: 04/30/08

Issued To:

Mycompany, Inc
1600 Main Street
Columbus, OH 12345
(123) 555-5555

SHIP TO
SWEET TEA, INC.
P.O. Box 3547
Denver, CO 12345-0001
(456) 555-1234

BILL TO
SWEET TEA, INC.
P.O. Box 3547
Denver, CO 12345-0001
(456) 555-1234

SHIP VIA: UPS   TERMS   F.O.B

Header

BEG*00*NE*01120001**20031012?
N1*ST*XX**100?

Qty	Item #	Description	Unit Price	Total
10	PART-123	500 sheets deluxe filters	5.12	512.00
30	PART-456	50 lb Darjeeling tea leaves	5.50	165.00
5	PART-789	50 lb Earl Grey tea leaves	8.25	41.25

Detail

PO1**10*EA*5.12**PI*PART-123?
PO1**30*CA*5.50**PI*PART-456?
PO1**5*CA*8.25**PI*PART-789?

Purchase Order Total: $ 718.25
Total Qty Ordered: 45

Summary

CTT*3?

Transaction (SE)

Group (GE)

Interchange (IEA)

Signing on to the Gentran System

1. Sign on to the iSeries using your iSeries user ID. If you do not have a user ID, see your System Administrator before continuing.

2. To access Gentran, enter **GO GENMAIN** on the command line and press **Enter**.

3. A user profile should have been created for you in the Environment Control subsystem in Gentran. To verify that you have access, select option **1** (Work with Partners) on the GENMAIN menu.

4. If you do not have access, see your System Administrator to get a profile created in Environment Control. If you were able to access Work with Partners, press **F12** (Cancel) to return to GENMAIN.

✏ **NOTE**
Your library list should have the following libraries: QTEMP, QGPL, G3X5SAMP (tutorial library), G3X5DTA (data library), and G3X5PGM (program library). If you were unable to access the GENMAIN menu, see your System Administrator to help you set up your library list.

Where to go next: Go to Chapter 2, "Viewing the EDI Data," and follow the step-by-step instructions.

2 Viewing the EDI Data

In this Chapter

When setting up a new EDI document, it is helpful to begin with a sample of the EDI data that you will be sending or receiving.

Step 1: View the Inbound EDI Data

The inbound queue is the repository for data received from networks or direct communication partners. After a communications session is completed, any data received for the inbound queue is placed on the queue with a status of:

- RN (Received Normal)

  or

- RA (Received Abnormal)

After the data has been processed, the system changes the status to PI (Processed Inbound).

Data processed inbound from the queue remains on the queue until the queue is purged by the System Administrator or by the automatic purge function specified with the "Days to Purge" parameter on the Communication Profile panel. If you experience processing problems, you may change the status from **PI** to **RN**, and reprocess the data contained in the batches.

1. On the GENMAIN menu, type **4** (Communications Menu) on the command line, and press **Enter**.

```
GENMAIN          Gentran:Server for iSeries Release 3.5
                                                  System:  ISDDEV01
Select one of the following:

     1. Work with Partners
     2. Work with Application Definition
     3. Mapping Menu                      (GENMAP)
     4. Communications Menu               (GENCOM)
     5. Work with Standards
     6. Work with Environment Control

     8. Audit Menu                        (GENAUD)
     9. Message Center Menu               (GENMSG)
    10. Processing Menu                   (GENPRC)
    11. System Administration Menu        (GENSYS)
    12. Viewpoint Menu                    (GENVPT)
    13. Gentran File Tracking Menu        (GENFILETRK)
    14. Gentran:Server Search Index
                                                         More...
Selection or command
===> 4

F3=Exit   F4=Prompt   F9=Retrieve   F12=Cancel   F13=User Support
(C) COPYRIGHT Sterling Commerce Inc., 2008, ALL RIGHTS RESERVED.
```

2. From the GENCOM menu, type **5** (Work with Inbound Queue) on the command line, and press **Enter**.

```
GENCOM                 Gentran:Server Communications 3.5
                                                    System:   ISDDEV01
Select one of the following:

     1. Work with Communications
     2. Work with Session Scripts
     3. Work with Comm History File
     4. Work with Outbound Queue
     5. Work with Inbound Queue
     6. Work with Active Comm Jobs
     7. Work with Network Profiles
     8. Work with MQ Links

    10. Start a Comm Session                    (STRCOMSSN)
    11. Start a Comm Session with Trace         (STRCOMSSNT)
    12. End Active Comm Jobs                    (SHUTDOWN)
    13. Gentran Line Pools                      (GENLINP)
    14. Purge All Communication Files           (PRGALL)
                                                              More...
Selection or command
===> 5

F3=Exit   F4=Prompt   F9=Retrieve   F12=Cancel   F13=User Support
```

The data on the Work with Inbound Queue Control panel is sorted by Profile and descending Profile Sequence.

3. To view the detailed data, enter **5** in the Option field next to the selected batch, and press **Enter**.

```
EDIX407            Work with Inbound Queue Control        EDI 04/30/08
FMT01              pgmlib: G3X5PGM     dtalib: G3X5DTA          12:00:00

Position to Profile ID . . . . . .  _____  Profile Seq  9999999

Type option (and Information), press Enter.
  2=Revise  4=Delete  5=View  6=Print  22=PRCTRNIN  30=Extract Data
                     Profile                          Comm   Batch  Batch
Opt Profile  Sts    Seq #     Date       Time  Records Stamp  Seq #   ID

 __  CN3BSC   RN       6   04-30-08   15:16:30     7     10     11  EDIFACT
 5   CN3BSC   PI       5   04-30-08   11:09:17    12      9     10  POINB
 __  CN3BSC   H        3   04-30-08   14:13:34     7      2      3  Edifact
 __  CN3BSC   PI       2   04-30-08   17:35:37     6      2      2  SEMPOAP
 __  CN3BSC   PI       1   04-30-08   17:36:16    16      3      1  INVFILE
 __  EVAL     PI     162   04-30-08   11:16:36     6      8      9
 __  EVAL     PI     161   04-30-08   11:16:05     7      8      8
 __  EVAL     PI     160   04-30-08   11:11:49     6      7      7
 __  EVAL     PI     159   04-30-08   11:11:04     7      7      6
                                                              More...
Parameters or command
===>
F1=Help F3=Exit F12=Cancel F15=Sort F24=More Keys
```

The Inbound Queue Inquiry panel is shown. We have illustrated profile sequence 5 for profile CN3BSC with Batch ID of POINB.

4. To see the remaining data for each line number, press **F19** (to scroll Left) or **F20** (to scroll Right) when the data is displayed in character mode. Press **F2** (Hex) to view the data in Hex mode.

```
EDIX408                Inbound Queue Inquiry        EDI    04/30/08
                                                                 12:00:00
Comm Profile Id . . CN3BSC                 Line Number . . . . 000001
Profile Seq . . . . 000005                 Status. . . . . . . PI
Date Received . . . 3/20/96                Batch Seq Number. . 0000010
Time Received . . . 11:09
Batch-Id. . . . . . POINB



ISA*00*        *00*         *01*TPDUNSID    *01*123456789     *991012*
1*U*00400*000000001*0*T*#?GS*PO*TPDUNSID *123456789*19991012*1500*000000001*X
4010?ST*850*0001?BEG*00*NE*01120001**19991012?N1*ST*XX**100?PO1**10*EA*5.12**
PART-123?PO1**30*DA*10.0**PI*PART-456?PO1**5*CA*8.25**PI*PART-789?CTT*3?SE*8*
1?ST*850*0002?BEG*00*NE*01120030**19991017?N1*ST**3*200?PO1**20*BX*9.5**PI*PA
123?PO1**500*CA*22.79**PI*PART-4?CTT*2?SE*7*00002?GE*2*000000001?IEA*1*0000000
ISA*00*        *00*         *01*TPDUNSID    *01*123456789     *991012*
1*U*00400*000000001*0*T*#?GS*PO*TPDUNSID *123456789*19991012*1500*000000001*X
4010?ST*850*000001?BEG*00*NE*01120001**19991012?N1*ST***100?PO1**10*EA*5.12**
PART-123?PO1**30*DA*10.0**PI*PART-456?PO1**5*CA*8.25**PI*PART-789?CTT*3?SE*8*
                                                              More...
F1=Help  F2=Hex  F5=Refresh  F12=Cancel  F17=Next Rcd
F19=Left  F20=Right  F21=Prt Dta
```

5. Press **F12** (Cancel) to return to the Work with Inbound Queue Control panel.

Step 2:   Reset the Status

Reset the batch status to RN (Received Normal) to prepare the sample data for processing later in the tutorial. Gentran:Server will then treat the data as if it were just received during a communications session.

1. Enter **2** in the Option field next to the batch with status PI for the CN3BSC profile (batch ID POINB) and press **Enter**.

2. Enter **RN** in the Change Status To field in the pop-up window and press **Enter**.

3. Press **F12** (Cancel) until you return to the GENMAIN menu.

```
EDIX407              Work with Inbound Queue Control          EDI 04/30/08
FMT01                pgmlib: G3X5PGM    dtalib: G3X5DTA            12:00:00

Position to Profile ID . . . . . . _____ Profile Seq  9999999

Type option (and Information), press Enter.
  2=Revise  4=Delete  5=View  6=Print  22=PRCTRNIN  30=Extract Data
                    Profile                           Comm   Batch  Batch
Opt Profile  Sts   Seq #    Date       Time   Records  Stamp  Seq #   ID

 __ CN3BSC    RN       6  04-30-08   15:16:30      7     10      11 EDIFACT
 2  CN3BSC    PI       5  04-30-08   11:09:17     12      9      10 POINB
 __ CN3BSC    H        3  04-30-08   14:13:34      7      2       3 Edifact
 __ CN3BSC    PI       2  04-30-08   17:35:37      6      2       2 SEMPOAP
 __ CN3BSC    PI       1  04-30-08   17:36:16     16      3       1 INVFILE
 __ EVAL      PI     162  04-30-08   11:16:36      6      8       9
 __ EVAL      PI     161  04-30-08   11:16:05      7      8       8
 __ EVAL      PI     160  04-30-08   11:11:49      6      7       7
 __ EVAL      PI     159  04-30-08   11:11:04      7      7       6
                                                                More...
Parameters or command
===> _____
F1=Help F3=Exit F12=Cancel F15=Sort F24=More Keys
```

You have now viewed EDI data that would have been received during a communications session.

Where to go next: Go to Chapter 3, "Setting Up a Partner," and follow the step-by-step instructions.

3   Setting Up a Partner

> ✍ **NOTE**
>
> If you have already set up the 'Sweet Tea' partner during the outbound ANSI tutorial, skip this chapter and go to Chapter 4, "Setting Up an Inbound Application Definition."

In this Chapter

In this chapter, you will set up your trading partner, Sweet Tea, by performing the following tasks:

➢ Create a Partner ID

➢ Add Partner Groups

➢ Add Partner Transactions

➢ Update Name and Address Information

➢ Add Partner Cross References

What is a Partner?

In EDI, anyone to whom you transfer electronic documents is called your 'trading partner.' Trading partners may include your customers or vendors. You can think of the trading partner subsystem as a Rolodex that holds all the information about your trading partner(s).

If you mail a document to your trading partner, you need to know the destination address and where that information is stored. The same type of information is needed by Gentran:Server when the document is sent electronically. Gentran:Server requires that you define a unique 'profile' for each partner with whom you exchange EDI documents. Setting up a 'partner profile' identifies key characteristics of your EDI environment and your partner's environment associated with how the mail is sent and where it is sent.

Most of the information you will be setting up for the partner will be used to generate the envelopes illustrated in the sample invoice in Chapter 1, "Inbound Overview."

Step 1: Create the Partner ID

The trading partner ID and partner qualifier form a unique identifier for the partner profile. You may use any alphanumeric value for the partner ID. Typically, most users choose an easily recognizable reference, such as a company name.

1. Select option **1** (Work with Partners) on the GENMAIN menu and press **Enter** to access the Work with Partners subsystem.

```
GENMAIN                 Gentran:Server for iSeries Release 3.5
                                                          System:   ISDDEV01
Select one of the following:

     1. Work with Partners
     2. Work with Application Definition
     3. Mapping Menu                       (GENMAP)
     4. Communications Menu                (GENCOM)
     5. Work with Standards
     6. Work with Environment Control

     8. Audit Menu                         (GENAUD)
     9. Message Center Menu                (GENMSG)
    10. Processing Menu                    (GENPRC)
    11. System Administration Menu         (GENSYS)
    12. Viewpoint Menu                     (GENVPT)
    13. Gentran File Tracking Menu         (GENFILETRK)
    14. Gentran:Server Search Index
                                                               More...
Selection or command
===> 1

F3=Exit   F4=Prompt   F9=Retrieve   F12=Cancel   F13=User Support
```

2. On the Work with Partners panel, enter **1** in the Option field on the key entry line.

3. Enter the partner ID **SWEET TEA** in the Partner ID field on the key entry line and press **Enter**. If SWEET TEA already exists, add your initials to the partner ID.

```
EDIX005                    Work with Partners              EDI 04/30/08
FMT01            pgmlib: G3X5PGM    dtalib: G3X5DTA            12:00:00

Position to Partner ID . . . . . .                          Qual

Type option (and Information), press Enter.
  1=Create  2=Revise  3=Copy  4=Delete  5=View  6=Print  7=Rename  11=Groups

Opt Partner ID              Qual Partner Name
1   SWEET TEA
    !GENTRAN-RESERVED-PARTNER-ID-1      Global Reserved Partner
    AAA WAREHOUSE CO 11      01   Arnold/Allen/Atwell Warehouse
    BG-PARTNER                   Example of a BG Partner
    COFFEE                       COFFEE DIST (INB ORDER-OUT INVOIC)
    COFFEE DIST                  COFFEE DIST - Tutorial Partner
    C13579                       International Parts & Service
    C24680                       C24680
    ICS-PARTNER                  Example of an ICS Partner
    INSPARTNER                   INSPARTNER
                                                          More...
Parameters or command
===>
F1=Help  F3=Exit  F12=Cancel  F15=Sort  F23=More Options  F24=More Keys
```

The Partner Control panel is displayed.

4. Enter **ISA** in the Interchange Header Option field. Optionally, you can press **F4** (Prompt) to select from a list of values.

5. Enter **CN3BSC** in the Comm Profile ID field and press **Enter**. Optionally, you can press **F4** to prompt the list.

```
EDIX012                    Partner Control                EDI 04/30/08
FMT01                                                        12:00:00

Partner ID . . . . . . . . . . .  SWEET TEA
Partner Qualifier. . . . . . . .
Partner Name . . . . . . . . . .  *** Name Not On File ***
Division . . . . . . . . . . . .  000
Interchange Header Option. . . . . ISA
Last Incoming Sequence Number. . .
GS Sender ID Qualifier . . . . . .  N
GS Receiver ID Qualifier . . . . .  N
Expect a TA1, AC1, or UCI. . . . .  N
Acknowledge Interchange. . . . . .  N
Acknowledge Group or Trans . . . .  T
Acknowledge Errors . . . . . . . .  N
Purge Acknowledged . . . . . . . .  N
Purge Reported . . . . . . . . . .  N
Purge Older Than Days. . . . . . .
Last Incoming BG Password . . . .           Set 209 Errors . . .  N
Comm Profile ID. . . . . . . . . .  CN3BSC       Group Profile ID . .  N
Last Incoming UNB/STX Seq. No. . .              Update Allowed . . .  Y

F1=Help  F4=Prompt  F10=Update  F12=Cancel  F24=More Keys
```

6. On the next panel, enter **01** in the Sender ID Qual field.

7. Enter **MYDUNS** in the Sender ID field.

8. Enter **01** in the Receiver ID Qual field.

9. Enter **TPDUNSID** in the Receiver ID field.

10. Enter **U** in the Control Standards ID field.

11. Enter **00400** in the Version field.

```
EDIX012                     Partner Control                 EDI 04/30/08
FMT05                                                            12:00:00

Partner ID . . . . . . . . . . .  SWEET TEA
Partner Qualifier. . . . . . . .
Partner Name . . . . . . . . . .  *** Name Not On File ***

Outbound envelope information for ISA segment
Authorization Qual . . . . .  ISA01 00   Authorization. . ISA02 _____
Security Code Qual . . . . .  ISA03 00   Security Code. . ISA04 _____
Sender ID Qual . . . . . . .  ISA05 01   Sender ID. . . . ISA06 MYDUNS
Receiver ID Qual . . . . . .  ISA07 01   Receiver ID. . . ISA08 TPDUNSID
Control Standards ID . . . . .ISA11 U or Hex E4
Version. . . . . . . . . . .  ISA12 00400
Use. . . . . . . . . . . . . . . D
Control Number . . . . . . .  ISA13 000000002
Ack Requested. . . . . . . .  ISA14 0  (1=Yes,0=No)
Subelement Separator . . . .  ISA16 > or Hex 6E
Element Separator. . . . . . . . . * or Hex 5C
Segment Terminator . . . . . . . . _ or Hex 15


F1=Help  F4=Prompt  F10=Update  F12=Cancel  F24=More Keys
```

12. Leave the values shown in the Control Number, Ack Requested, Subelement Separator, Element Separator and Segment Terminator fields.

13. Press **F10** (Update) to create the partner and to return to the Work with Partners panel.

Step 2: Add Partner Groups

When the partner was created in the previous task, a default partner group record !!!DFT was also created. You can customize the group default values to replace the generic values. During this task, you will create three groups for this partner: IN (outbound invoices), PO (inbound purchase orders), and FA (functional acknowledgments). This is primarily required to generate the outbound group envelope that is required by the standards.

First, create the functional group ID 'IN.'

1. Enter **11** in the Option field beside the partner you created in the last step (Sweet Tea) on the Work with Partners panel and press **Enter**.

```
EDIX005                    Work with Partners              EDI 04/30/08
FMT01              pgmlib: G3X5PGM    dtalib: G3X5DTA           12:00:00

Position to Partner ID . . . . . .  _____ Qual ____

Type option (and Information), press Enter.
  1=Create  2=Revise  3=Copy  4=Delete  5=View  6=Print  7=Rename  11=Groups

Opt Partner ID                  Qual Partner Name

 __  ISA-PARTNER                     Example of an ISA Partner
 __  MODEL                           MODEL (to set up new partners)
 __  MYCOMPANY                       MYCOMPANY (for inbound splitting)
 __  STX-PARTNER                     Example of a STX Partner
 11  SWEET TEA                       SWEET TEA
 __  SWEET TEA MZ                    SWEET TEA MZ
 __  TDMTEST                         TDMTEST
 __  TPCOMPANY                       Trading Partner Example Company
 __  TRADANET                        TRADANET
                                                              More...
Parameters or command
===>
F1=Help  F3=Exit  F12=Cancel  F15=Sort  F23=More Options  F24=More Keys
```

2. Enter **1** in the Option field on the key entry line.

3. Enter the functional group code **IN** in the Group ID field and press **Enter**. Optionally, you can press **F4** (Prompt) to see a list of groups as defined by the standards.

```
EDIX030                 Work with Partner Groups           EDI 04/30/08
FMT01              pgmlib: G3X5PGM    dtalib: G3X5DTA           12:00:00

Position to Group ID . . . . .  _____  For SWEET TEA

Type option (and Information), press Enter.
  1=Create  2=Revise  3=Copy  4=Delete  5=View  11=Transactions

Opt Group ID
 1  IN____
 __  !!!DFT




                                                              Bottom
Parameters or command
===>
F1=Help  F3=Exit  F12=Cancel  F15=Sort  F24=More Keys
```

Next, enter the functional group information for IN:

4. Enter the Standard Version **004010** in the Compliance Version field. Optionally, you can press **F4** (Prompt) to choose from a list of versions.

5. Enter **Y** in the Send Group Outbound field. Enter **Y** in the Specific Group Ack field if you want to generate a Group ID. Otherwise, enter **N**, and then press **Enter**.

```
EDIX031                       Partner Group                EDI 04/30/08
FMT01                                                          12:00:00

Partner ID . . . . . . . . . . . .  SWEET TEA
Partner Qualifier. . . . . . . . .
Partner Name . . . . . . . . . . .  SWEET TEA
Group ID . . . . . . . . . . . . .  IN

Compliance Version . . . . . . . .  004010____
Compliance Version Use . . . . . .  _
Accept Group Inbound . . . . . . .  Y
Send Group Outbound. . . . . . . .  N
Group Ack Trans. . . . . . . . . .  _____
Expect an AK1, B5 or UCF . . . . .  _
Last Incoming Control Number . . .  _____
Comm Profile ID. . . . . . . . . .  *INT____
Specific Group Ack . . . . . . . .  Y




F1=Help  F4=Prompt  F10=Update  F12=Cancel  F24=More Keys
```

Enter outbound group information for 'IN':

6.   Enter **MYDUNS** in the
     Applications Senders Code
     field.

7.   Enter **TPDUNSID** in the
     Applications Receivers
     Code field.

8.   Enter **0** (zero) in the Control
     Number field, and press the
     Field Exit key, which will
     zero-fill the field.
     Alternatively, you can enter
     all zeros in the field.

```
EDIX031                    Partner Group              EDI 04/30/08
FMT04                                                     12:00:00

Partner ID . . . . . . . . . . . .  SWEET TEA
Partner Qualifier. . . . . . . . .
Partner Name . . . . . . . . . .  SWEET TEA - tutorial partner
Group ID . . . . . . . . . . . .  IN

Outbound envelope information for GS segment
Functional Group ID. . . . . . GS01 IN
Applications Senders Code. . . GS02 MYDUNS
Applications Receivers Code. . GS03 TPDUNSID
Control Number . . . . . . . . GS06 000000000
Responsible Agency Code. . . . GS07 X
Version. . . . . . . . . . . . GS08
Transaction Segment ID . . . . . .
Transaction Control Number . . . .



F1=Help  F4=Prompt  F10=Update  F12=Cancel  F24=More Keys
```

9.   Enter **X** in the Responsible Agency Code field.

10. You can leave the Version (GS08) field blank and the compliance version from the first screen
     will be used.

11. Press **F10 (Update)** to create the group ID and to return to the Work with Partner Groups
     panel.

Next, create the PO group by using the Copy feature.

12. Enter **3** in the Option field
     next to group ID IN, and
     press **Enter**.

```
EDIX030                 Work with Partner Groups        EDI 04/30/08
FMT01          pgmlib: G3X5PGM     dtalib: G3X5DTA        12:00:00

Position to Group ID . . . . . _____   For SWEET TEA

Type option (and Information), press Enter.
  1=Create  2=Revise  3=Copy  4=Delete  5=View  11=Transactions

Opt Group ID

 __    !!!DFT
 3     IN




                                                          Bottom
Parameters or command
===>
F1=Help  F3=Exit  F12=Cancel  F15=Sort  F24=More Keys
Create Operation Successful.
```

13. When the Copy To window
     is displayed, enter the
     functional group ID **PO** in
     the Copy To field and press
     Enter.

```
EDIX030                 Work with Partner Groups        EDI 04/30/08
FMT01          pgmlib: G3X5PGM     dtalib: G3X5DTA        12:00:00

Position to Group ID . . . . . _____   For SWEET TEA

Type option (and Information), press Enter.
  1=Create  2=Revise  3=Copy  4=Delete  5=View  11=Transactions

Opt Group ID

 __    !!!DFT
 3     IN
       Copy To
       PO
       F3=Exit    F12=Cancel


Parameters or command
===>
F1=Help  F3=Exit  F12=Cancel  F15=Sort  F24=More Keys
Create Operation Successful.
```

14. On the Partner Group panel, enter **Y** in the Accept Group Inbound field and **N** in the Send Group Outbound field.

15. Press **F10** (Update) to complete the copy and return to the Work with Partner Groups panel.

```
EDIX031                    Partner Group              EDI 04/30/08
FMT01                                                    12:00:00

Partner ID . . . . . . . . . . . .  SWEET TEA
Partner Qualifier. . . . . . . . .
Partner Name . . . . . . . . . . .  SWEET TEA
Group ID . . . . . . . . . . . . .  PO

Compliance Version . . . . . . . .  004010
Compliance Version Use . . . . . .  _
Accept Group Inbound . . . . . . .  Y
Send Group Outbound. . . . . . . .  N
Group Ack Trans. . . . . . . . . .  _____
Expect an AK1, B5 or UCF . . . . .  _
Last Incoming Control Number . . .  _____
Comm Profile ID. . . . . . . . . .  *INT
Specific Group Ack . . . . . . . .  Y




F1=Help  F4=Prompt  F10=Update  F12=Cancel  F24=More Keys
```

Next, create the FA Group (Acknowledgements) by using the Copy feature again.

16. Enter **3** in the Option field next to Group ID 'IN' and press **Enter**.

```
EDIX030               Work with Partner Groups          EDI 04/30/08
FMT01              pgmlib: G3X5PGM    dtalib: G3X5DTA       12:00:00

Position to Group ID . . . . . _____   For SWEET TEA

Type option (and Information), press Enter.
  1=Create  2=Revise  3=Copy  4=Delete  5=View  11=Transactions

Opt Group ID

 __   !!!DFT
 3    IN
 __   PO




                                                          Bottom
Parameters or command
===>
F1=Help  F3=Exit  F12=Cancel  F15=Sort  F24=More Keys
Create Operation Successful.
```

17. In the pop-up window, enter **FA** in the Copy To field and press **Enter**.

```
EDIX030               Work with Partner Groups          EDI 04/30/08
FMT01              pgmlib: G3X5PGM    dtalib: G3X5DTA       12:00:00

Position to Group ID . . . . . _____   For SWEET TEA

Type option (and Information), press Enter.
  1=Create  2=Revise  3=Copy  4=Delete  5=View  11=Transactions

Opt Group ID

 __   !!!DFT
 3    IN

      Copy To
      FA____
      F3=Exit  F12=Cancel



Parameters or command
===>
F1=Help  F3=Exit  F12=Cancel  F15=Sort  F24=More Keys
Revise Operation Successful.
```

18. On the Partner Group panel, enter **Y** in the Accept Group Inbound field and leave the **Y** in the Send Group Outbound field.

19. Press **F10** (Update) to advance to the next panel.

20. Press **F10** (Update) again to complete the copy and return to the Work with Partner Groups panel.

```
EDIX031                         Partner Group                    EDI 04/30/08
FMT01                                                                12:00:00

Partner ID . . . . . . . . . . . .  SWEET TEA
Partner Qualifier. . . . . . . . .
Partner Name . . . . . . . . . . .  SWEET TEA
Group ID . . . . . . . . . . . . .  FA

Compliance Version . . . . . . . .  004010
Compliance Version Use . . . . . .  _
Accept Group Inbound . . . . . . .  Y
Send Group Outbound. . . . . . . .  Y
Group Ack Trans. . . . . . . . . .  _____
Expect an AK1, B5 or UCF . . . . .  _
Last Incoming Control Number . . .  _____
Comm Profile ID. . . . . . . . . .  *INT
Specific Group Ack. . . . . . . .   Y




F1=Help  F4=Prompt  F10=Update  F12=Cancel  F24=More Keys
```

Step 3:   Add Partner Transactions

When the new partner was initially created, a default partner transaction record '!!!DFT' was also created. You can customize the transaction default values to replace the generic values provided. During this task, you will create three transactions for this partner: 810 (invoices), 850 (purchase orders), and 997 (acknowledgments).

First, create transaction ID 810 (invoices).

1.   On the Work with Partner Groups panel, enter **11** in the Option field on the key entry line and press **Enter**.

```
EDIX030                 Work with Partner Groups           EDI 04/30/08
FMT01               pgmlib: G3X5PGM    dtalib: G3X5DTA           12:00:00

Position to Group ID . . . . .  _____  For SWEET TEA

Type option (and Information), press Enter.
  1=Create  2=Revise  3=Copy  4=Delete  5=View  11=Transactions

Opt Group ID
11  _____
__   !!!DFT
__   FA
__   IN
__   PO




                                                               Bottom
Parameters or command
===>
F1=Help  F3=Exit  F12=Cancel  F15=Sort  F24=More Keys
Create Operation Successful.
```

2.   On the Work with Partner Transactions panel, enter **1** in the Option field on the key entry line.

3.   Enter **810** in the Tran ID field and press **Enter**.

```
EDIX040              Work with Partner Transactions          EDI 04/30/08
FMT01               pgmlib: G3X5PGM    dtalib: G3X5DTA           12:00:00

Position to Tran ID _____ For SWEET TEA

Type option (and Information), press Enter.
  1=Create  2=Revise  3=Copy  4=Delete  5=View

Opt Tran ID In Map    Out Map
1   810  ____
__   !!!DFT




                                                               Bottom
Parameters or command
===>
F1=Help  F3=Exit  F12=Cancel  F15=Sort  F24=More Keys
```

To enter the transaction set information for transaction ID '810':

4. Enter **Y** in the Send Transaction Outbound field. Enter **N** in the Specific Trans Ack field. Otherwise, enter **Y**, if you want to generate a function acknowledgment for this Transaction ID and then press **Enter**.

```
EDIX041                   Partner Transaction              EDI  04/30/08
FMT01                                                           12:00:00

Partner ID . . . . . . . . . . .  SWEET TEA
Partner Qualifier. . . . . . . . .
Partner Name . . . . . . . . . . .  SWEET TEA
Transaction ID . . . . . . . . . .  810


Test or Production . . . . . . . .  _
Transaction Map ID Inbound . . . .  _____
Transaction Map ID Outbound. . . .  _____
Accept Transaction Inbound . . . .  _
Send Transaction Outbound. . . . .  Y
Validate Codes Inbound . . . . . .  _
Validate Codes Outbound. . . . . .  _
Expect an AK2, A2, or UCM. . . . .  _
Transaction Acknowledgement Type .  _____
Acknowledgment Overdue in  . . . .  ____ Hours  __ Minutes
Specific Trans Ack . . . . . . . .  N


F1=Help  F8=Next  F12=Cancel  F24=More Keys
```

5. On the second Partner Transaction panel, enter **0** (zero) in the Control Number field, and press the **Field Exit** key to zero-fill the field. (If you are not sure which key is Field Exit, see your emulation software manual or PC support personnel for assistance.) Alternatively, you can enter all zeros in the field.

```
EDIX041                   Partner Transaction              EDI  04/30/08
FMT04                                                           12:00:00

Partner ID . . . . . . . . . . .  SWEET TEA
Partner Qualifier. . . . . . . . .
Partner Name . . . . . . . . . . .  SWEET TEA - tutorial partner
Transaction ID . . . . . . . . . .  810

Outbound envelope information for ST segment
Transaction Set Identifier . . ST01 810
Control Number . . . . . . . . ST02 000000000
Version. . . . . . . . . . . . . .  _____






F1=Help  F4=Prompt  F7=Back  F10=Update  F12=Cancel  F24=More Keys
```

6. Press **F10** (Update) to create the transaction and to return to the Work with Partner Transactions panel.

Next, create the 850 transaction using the Copy feature.

7. Enter **3** in the Option field next to transaction ID 810 and press **Enter**.

8. In the pop-up window, enter **850** in the Copy To field and press **Enter** to complete the copy.

```
EDIX040              Work with Partner Transactions        EDI 04/30/08
FMT01          pgmlib: G3X5PGM     dtalib: G3X5DTA            12:00:00

Position to Tran ID _____  For SWEET TEA

Type option (and Information), press Enter.
  1=Create  2=Revise  3=Copy  4=Delete  5=View

Opt Tran ID In Map     Out Map
 __  !!!DFT
 3_  810
     Copy To
     850_
     F3=Exit  F12=Cancel


                                                              Bottom
Parameters or command
===>
F1=Help  F3=Exit  F12=Cancel  F15=Sort  F24=More Keys
Create Operation Successful.
```

Next, change some of the values copied from the 810 transaction set.

9. Enter **Y** in the Accept
    Transaction Inbound and **N**
    in the Send Transaction
    Outbound fields.

10. Press **Enter** or F8 to access
    the second panel.

11. Press **F10** (Update) to create
    the transaction and return to
    the Work with Partner
    Transactions panel.

```
EDIX041                     Partner Transaction          EDI  04/30/08
FMT01                                                         12:00:00

Partner ID . . . . . . . . . . . . .  SWEET TEA
Partner Qualifier. . . . . . . . .
Partner Name . . . . . . . . . . .   SWEET TEA
Transaction ID . . . . . . . . . .   850


Test or Production . . . . . . . .    _
Transaction Map ID Inbound . . . .    _____
Transaction Map ID Outbound. . . .    _____
Accept Transaction Inbound . . . .    Y
Send Transaction Outbound. . . . .    N
Validate Codes Inbound . . . . . .    _
Validate Codes Outbound. . . . . .    _
Expect an AK2, A2, or UCM. . . . .    _
Transaction Acknowledgement Type .    _____
Acknowledgment Overdue in. . . . .    ____  Hours  __  Minutes
Specific Trans Ack . . . . . . . .    N


F1=Help  F8=Next  F12=Cancel  F24=More Keys
```

Next, create the 997 transaction (functional acknowledgements) using the Copy feature.

12. Enter **3** in the Option field
    next to Transaction ID 810
    and press **Enter**.

13. In the pop-up window, enter
    997 in the Copy To field
    and press **Enter**.

```
EDIX040                 Work with Partner Transactions     EDI 04/30/08
FMT01               pgmlib: G3X5PGM     dtalib: G3X5DTA        12:00:00

Position to Tran ID _____  For SWEET TEA

Type option (and Information), press Enter.
  1=Create  2=Revise  3=Copy  4=Delete  5=View

Opt Tran ID In Map    Out Map

  __   !!!DFT
  3    810

       Copy To
       997
       F3=Exit  F12=Cancel


                                                              Bottom
Parameters or command
===>
F1=Help  F3=Exit  F12=Cancel  F15=Sort  F24=More Keys
Create Operation Successful.
```

14. Enter **Y** in the Accept Transaction Inbound field and keep the **Y** in the Send Transaction Outbound field.

15. Press **Enter** or **F8** to access the second panel.

```
EDIX041                    Partner Transaction              EDI  04/30/08
FMT01                                                            12:00:00

Partner ID . . . . . . . . . . . .  SWEET TEA
Partner Qualifier. . . . . . . . .
Partner Name . . . . . . . . . .  SWEET TEA
Transaction ID . . . . . . . . . .  997


Test or Production . . . . . . . .  _
Transaction Map ID Inbound . . . .  _____
Transaction Map ID Outbound. . . .  _____
Accept Transaction Inbound . . . .  Y
Send Transaction Outbound. . . . .  Y
Validate Codes Inbound . . . . . .  _
Validate Codes Outbound. . . . . .  _
Expect an AK2, A2, or UCM. . . . .  _
Transaction Acknowledgement Type .  _____
Acknowledgment Overdue in. . . . .  ___ Hours __ Minutes
Specific Trans Ack . . . . . . . .  N



F1=Help  F8=Next  F12=Cancel  F24=More Keys
```

16. Enter **0** in the Control Number (ST02) field (if it is not all zeros already) and press the **Field Exit** key to zero-fill.

17. Press **F10** (Update) to create the transaction and return to the Work with Partner Transactions panel.

18. Press **F12** (Cancel) until you return to the Work with Partners panel.

```
EDIX041                    Partner Transaction              EDI  04/30/08
FMT04                                                            12:00:00

Partner ID . . . . . . . . . . . .  SWEET TEA
Partner Qualifier. . . . . . . . .
Partner Name . . . . . . . . . .  SWEET TEA
Transaction ID . . . . . . . . . .  997

Outbound envelope information for ST segment
Transaction Set Identifier . . ST01 997
Control Number . . . . . . . . ST02 000000000
Version. . . . . . . . . . . . . .  _____






F1=Help  F4=Prompt  F7=Back  F10=Update  F12=Cancel  F24=More Keys
```

Step 4:   Update Name and Address Information

This is an optional step because the name defaults to the Partner ID, but you may want to use a more descriptive partner ID.

1. On the Work with Partners panel, enter **13** in the Option field beside the SWEET TEA partner and press **Enter**.

```
EDIX005                        Work with Partners                   EDI 04/30/08
FMT01                   pgmlib: G3X5PGM    dtalib: G3X5DTA              12:00:00

Position to Partner ID . . . . . .  SWEET TEA                        Qual ____

Type option (and Information), press Enter.
  12=Transactions  13=Name & Address  14=User Defined  15=Data Sep.

Opt Partner ID                     Qual Partner Name

__  _____            _____
13  SWEET TEA                                SWEET TEA
    SWEET TEA MZ                             SWEET TEA MZ
__  TDMTEST                                  TDMTEST
__  TPCOMPANY                                Trading Partner Example Company
__  TRADANET                                 TRADANET
__  UNA-PARTNER                              Example of a UNA Partner
__  VENDOR-1                                 TUTORIAL - XYZ Computer Company
__  VENDOR-2                                 TUTORIAL - Bulk Paper Company
__  VENDOR-3                                 TUTORIAL - Two Way Communications
                                                                        More...
Parameters or command
===> _____
F1=Help  F3=Exit  F12=Cancel  F15=Sort  F23=More Options  F24=More Keys
```

2. Modify the description to indicate this is a tutorial partner. Press **F10** (Update) to update and return to the Work with Partners panel.

```
EDIX035                       Partner Name & Address                 EDI 04/30/08
FMT01                                                                    12:00:00

Partner ID . . . . . . . . . . . .  SWEET TEA
Qual Name. . . . . . . . . . . .

Name . . . . . . . . . . . . . .  SWEET TEA_____
Address. . . . . . . . . . . . .  _____
                                  _____
                                  _____
                                  _____
City . . . . . . . . . . . . . .  _____
State. . . . . . . . . . . . . .  _____
Zip. . . . . . . . . . . . . . .  _____  -  _____
Country Code . . . . . . . . . .  __
Contact. . . . . . . . . . . . .  _____
Phone. . . . . . . . . . . . . .  ( ___ ) ___ - _____ x _____
International Dial Code. . . . . .  000
Fax. . . . . . . . . . . . . . .  ( ___ ) ___ - _____  Dial Code. . . . 000
E-mail Address . . . . . . . . .  _____

F1=Help  F10=Update  F12=Cancel  F24=More Keys
```

Step 5: Add Partner Cross References

Cross-reference entries are used to help Gentran:Server find the partner ID in the partner file. These identifiers may be different from the application partner ID and EDI data. In this exercise, you will be adding several cross reference values for your partner (Sweet Tea).

1. On the Work with Partners panel, enter **17** in the Option field beside SWEET TEA and press **Enter**.

```
EDIX005                    Work with Partners              EDI 04/30/08
FMT01              pgmlib: G3X5PGM   dtalib: G3X5DTA          12:00:00

Position to Partner ID . . . . . .  SWEET TEA_____  Qual _____

Type option (and Information), press Enter.
  1=Create  2=Revise  3=Copy  4=Delete  5=View  6=Print  7=Rename  11=Groups

Opt Partner ID              Qual Partner Name

17  SWEET TEA_____        SWEET TEA - tutorial partner
__  SWEET TEA MZ                  SWEET TEA MZ
__  TDMTEST                       TDMTEST
__  TPCOMPANY                     Trading Partner Example Company
__  TRADANET                      TRADANET
__  UNA-PARTNER                   Example of a UNA Partner
__  VENDOR-1                      TUTORIAL - XYZ Computer Company
__  VENDOR-2                      TUTORIAL - Bulk Paper Company
__  VENDOR-3                      TUTORIAL - Two Way Communications
                                                               More...
Parameters or command
===>
F1=Help  F3=Exit  F12=Cancel  F15=Sort  F23=More Options  F24=More Keys
```

2. Enter **TPDUNSID** in the X-Ref field on the first line for the outbound GS partner resolution.

3. Enter **TPDUNSID** in the X-Ref field on the second line and **01** in the Qual field for the outbound ISA partner resolution.

```
EDIX008                 Partner Cross Reference            EDI 04/30/08
CTL01                                                         12:00:00

Partner ID . . . . . . . . . . . .  SWEET TEA
Qualifier. . . . . . . . . . . .
Partner Name . . . . . . . . . .  SWEET TEA - Tutorial partner
Postion to X-Ref . . . . . . . . .  _____

Type option, press Enter.
  4=Delete

Opt X-Ref                      Qual
__  TPDUNSID_____
__  TPDUNSID_____   01
__  VDR#55555_____
__  _____       __
__  _____       __
__  _____       __
__  _____       __
__  _____       __
__  _____       __
                                                               More...
F1=Help  F4=Prompt  F5=Refresh  F10=Update  F12=Cancel  F24=More Keys
```

4. Enter **VDR#55555** in the X-Ref field on the third line for the outbound application partner resolution. (VDR#55555 is how the partner is defined in the application.)

✍ NOTE

Typically, the same EDI identifiers are used for inbound and outbound EDI data. This exercise illustrates that you can set up more cross references if your business requires it.

5. Press **Enter** to add the new cross references.

6. Press **F12** (Cancel) until you return to the GENMAIN menu.

You have now completed the partner setup – congratulations!

Where to go next: Go to Chapter 4, "Setting Up an Inbound Application Definition," and follow the step-by-step instructions.

4 Setting Up an Inbound Application Definition

In this Chapter

In this chapter, you will accomplish the following:

➢ Access the Application Definition Subsystem

➢ Define the Application ID

➢ Customize Application Records/Files

➢ Customize Detail Application Fields

What is an Application Definition?

The application definition contains all the information about files, records, and fields used for a specific application document, such as an invoice or purchase order. It defines the application interface file format used for translation. The file definitions that exist on the iSeries are pulled into Gentran:Server, stored under a single identifier (application ID), and called the application definition.

The application definition is then used to create a link between the application files and the transaction definition (which is the EDI format). This link is established by identifying how the application data fields are related to the EDI elements. The term "element" is similar to the term "field."

The goal of this chapter is to build an application definition for your company's inbound purchase order data. The logical file and associated physical files have been provided for you.

Step 1: Access the Application Definition Subsystem

To access the Application
Definition subsystem, select 2
(Work with Application
Definition) on the GENMAIN
menu and press **Enter**.

The system displays the Work
with Application Definition
panel.

```
GENMAIN                 Gentran:Server for iSeries Release 3.5
                                                      System:   ISDDEV01
Select one of the following:

     1. Work with Partners
     2. Work with Application Definition
     3. Mapping Menu                         (GENMAP)
     4. Communications Menu                  (GENCOM)
     5. Work with Standards
     6. Work with Environment Control

     8. Audit Menu                           (GENAUD)
     9. Message Center Menu                  (GENMSG)
    10. Processing Menu                      (GENPRC)
    11. System Administration Menu           (GENSYS)
    12. Viewpoint Menu                       (GENVPT)
    13. Gentran File Tracking Menu           (GENFILETRK)
    14. Gentran:Server Search Index
                                                            More...
Selection or command
===> 2

F3=Exit   F4=Prompt   F9=Retrieve   F12=Cancel   F13=User Support
(C) COPYRIGHT Sterling Commerce Inc., 2008, ALL RIGHTS RESERVED.
```

Step 2:   Define the Application ID

The Work with Application Definition panel provides you with the option to create a new
application definition. Typically, most users choose a name that identifies the type of document
that is being received. To define an application ID for the sample purchase order, complete the
following steps.

1.   Enter **1** (Create) in the
     Option field.

2.   Enter **POINB** (if POINB
     already exists, add your
     initials to the end to make it
     unique) in the Appl(ication)
     ID field.

3.   Enter **R** in the S/R
     (Send/Receive) field and
     press **Enter**.

```
EDIX550                Work with Application Definition        EDI 04/30/08
FMT01                  pgmlib: G3X5PGM    dtalib: G3X5DTA          12:00:00

Position to Application ID . . . .             S/R

Type option (and Information), press Enter.
  1=Create  2=Revise  3=Copy  4=Delete  5=View  6=Print  11=Rec/Files

Opt Appl ID    S/R Description                 File Type        Group User
1   POINB      R
    BINARYOUT  S   BINARY OUT SAMPLE           External Phys.  PI    MKK
    INVFILE    R   Invoice Inbound             Internal Phys.  IN    EDI
    INVOIC     S   Edifact Invoice       Y2K External Lgl.  INVOIC EDI
    INVOICOUT  S   Tutorial EDIFACT Invoice outb External Lgl.  INVOIC EDI
    INVOUT     S   Tutorial X12 Invoice Outbound External Lgl.  IN    EDI
    INVOUTL    S   Invoice Outbound (lgl)  Y2K External Lgl.  IN    EDI
    INVOUTP    S   Invoice Outbound (Phys)  Y2K External Phys.  IN    EDI
    INVOUTPEDI S   INVOICE OUTBOUND - PHYSICAL External Phys.  IN    EDI
    ORDERS     R   Edifact Orders Inbound      External Lgl.  ORDERS CSG
                                                            More...
Parameters or command
===>
F1=Help  F3=Exit  F12=Cancel  F15=Sort  F23=More Options  F24=More Keys
```

On the Application Definition panel, specify the characteristics of the application definition.

4. Enter **Tutorial X12 PO Inbound** in the Description field.

5. Enter **PO** on the first line of the Functional Groups field (as defined by the standards for a purchase order).

6. Enter **L** in the File Type field (indicates that the application file is an externally defined multi-format logical file). Optionally, you can press **F4** (Prompt) for a list of file types.

```
EDIX552                   Application Definition              EDI 04/30/08
FMT01                                                            12:00:00
Application ID . . . . . . . . . .  POINB
Send or Receive. . . . . . . . . .  R

Division . . . . . . . . . . . . .  000
Description. . . . . . . . . . . .  Tutorial x12 PO Inbound
Functional Groups. . . . . . . . .  PO
                                    ___
                                    ___
                                    ___
File Type. . . . . . . . . . . . .  L
EDI Split File . . . . . . . . . .  00001
EDI Sub-Split File . . . . . . . .  ___
Record Type Start Position . . . .  ___
Length . . . . . . . . . . . . . .  ___
Application File . . . . . . . . .  POLGL

Update Allowed . . . . . . . . . .  Y

F1=Help  F4=Prompt  F10=Update  F12=Cancel  F21=Prt App  F24=More Keys
```

7. Enter **00001** in the EDI Split File field (or enter **1** and press **Field Exit** to zero-fill).

8. Enter **POLGL** in the Application File field. (This logical file has been provided for you.)

9. Press **F10** (Update) to create the application definition and return to the Work with Application Definition panel.

Gentran:Server retrieves the files and fields from the multi-format logical file. The message DDS was retrieved for the Application's Files and Fields is displayed at the bottom of the panel.

Step 3: Customize Application Records/Files

1. To access the Application
    Records/Files panel, enter
    11 (Rec/Files) in the Option
    field next to the application
    ID you just created (POINB)
    and press **Enter**.

```
EDIX550              Work with Application Definition       EDI 04/30/08
FMT01                pgmlib: G3X5PGM    dtalib: G3X5DTA          12:00:00

Position to Application ID . . . .  POINB      S/R R

Type option (and Information), press Enter.
  1=Create  2=Revise  3=Copy  4=Delete  5=View  6=Print  11=Rec/Files

Opt Appl ID    S/R Description                  File Type      Group User

11  POINB       R  Tutorial x12 PO Inbound       External Lgl.  PO    EDI
    SEMINAPPL   S  Class Tutorial: Outb. Invoice External Lgl.  IN    CSG
    SEMPOAPPL   R  Class Tutorial: Inb. PO   Y2K External Lgl.  PO    EDI
    SEMPOEDI    R  SEM CLASS: PO INB(subsplit #1) External Lgl.  PO    EDI
    TCOMINV8P   S  Tradacoms Invoice 8 (Physical) External Phys. !!!DFT CV
    TCOMORD8P   R  Tradacoms Orders 8 (Physical)  External Phys. !!!DFT CSG



                                                                Bottom
Parameters or command
===>
F1=Help  F3=Exit  F12=Cancel  F15=Sort  F23=More Options  F24=More Keys
```

The next step is to modify the file information in the application definition. Here, you will
customize the retrieved file definitions to meet your own requirements.

2. Change the A (Area) Field
    for sequence 20 to **D** for
    Detail.

3. Enter **8000** in the Loop ID
    field for sequence 20 and
    press **Enter** to update.

```
EDIX553                 Application Records/Files           EDI 04/30/08
CTL01                                                            12:00:00

Application ID . . . . . . . . . .  POINB
Send or Receive. . . . . . . . . .  R
Description. . . . . . . . . . . .  Tutorial x12 PO Inbound

Position to Sequence Number. . . .  ____

Type option, press Enter.
  3=Copy  4=Delete  11=Fields  12=Re-retrieve DDS

                     Loop  Max                            Last Update
Opt Seq Rec/File  A  ID    Use M W Description            Date    User
    10  POHEADER  H         1  M Y Training Class: PO Header  04/30/08 EDI
    20  PODETAIL  D  8000   1  M Y Training Class:  PO Detail 04/30/08 EDI
    __  _____  _  ____   _  _ _ _____
    __  _____  _  ____   _  _ _ _____
    __  _____  _  ____   _  _ _ _____
    __  _____  _  ____   _  _ _ _____
    __  _____  _  ____   _  _ _ _____
                                                           More...
F1=Help  F4=Prompt  F10=Update  F12=Cancel  F24=More Keys
```

Step 4: Customize Header Application Fields

Enter **11** (Fields) in the Option field next to the header file (POHEADER), and press **Enter**. The Application Fields panel is displayed.

In this exercise, you will make modifications to the field definition for each file in the application. The fields retrieved from the DDS are displayed on the panel.

```
EDIX553                   Application Records/Files              EDI 04/30/08
CTL01                                                                12:00:00

Application ID . . . . . . . . . .   POINB
Send or Receive. . . . . . . . . .   R
Description. . . . . . . . . . . .   Tutorial x12 PO Inbound

Position to Sequence Number. . . .   ____

Type option, press Enter.
  3=Copy  4=Delete  11=Fields  12=Re-retrieve DDS

                        Loop   Max                                 Last Update
Opt Seq Rec/File   A ID       Use M W Description                  Date    User
11   10 POHEADER   H        1   M Y Training Class: PO Header     04/30/08 EDI
     20 PODETAIL   D 8000   1   M Y Training Class:  PO Detail    04/30/08 EDI
___  __ _____  _ ____  __ __ _____
___  __ _____  _ ____  __ __ _____
___  __ _____  _ ____  __ __ _____
___  __ _____  _ ____  __ __ _____
___  __ _____  _ ____  __ __ _____
                                                                    More...
F1=Help  F4=Prompt  F10=Update  F12=Cancel  F24=More Keys
```

The sample application stores the purchase order date in YYYYMMDD format, and the EDI date could be either YYYYMMDD or YYMMDD format. Also, a default value for Customer Number is required. To accomplish these tasks, make the changes listed below.

```
EDIX554                      Application Fields                  EDI 04/30/08
CTL01                                                                12:00:00

Application ID . . . . . . . . . .   POINB
Send or Receive. . . . . . . . . .   R
Record/File Sequence Number. . . .   10
Description. . . . . . . . . . . .   Training Class: PO Header
Record/File. . . . . . . . . . . .   POHEADER

Position to Sequence Number. . . .   ____

Type option, press Enter.
  3=Copy  4=Delete

Opt Seq Field Name     Ty Start Len M Description          Field Value
     5 F010.CUSTNUM    AN    1    8 M CUSTOMER NUMBER      SENDER-ID
    10 F010.PODATE     CY    9    8 M PO DATE YYMD
    15 F010.PONUM      AN   17   10 M PO NUMBER
    20 F010.TYPCODE    AN   27    2 M TYPE CODE
    25 F010.TOTAMT     S2   29    9 M TOT AMT
    30 F010.SHIPTONAME AN   38   25 M SHIPTO NAME
                                                                     More...
F1=Help  F4=Prompt  F10=Update  F12=Cancel  F13=Services  F24=More Keys
```

1. Enter **SENDER-ID** in the Field Value field for sequence 5 (Customer Number).

2. Enter **CY** in the Ty(pe) field for sequence 10 (PO Date) to automatically convert the purchase order date to YYYYMMDD format.

3. Press **F17** (Next Rcd) to update POHEADER and advance to the PODETAIL record.

Step 5: Customize Detail Application Fields

Make the following changes to the PODETAIL record:

1. Enter **SENDER-ID** in the Field Value field for sequence 5 (Customer Number).

```
EDIX554                     Application Fields              EDI 04/30/08
CTL01                                                          12:00:00

Application ID . . . . . . . . . .  POINB
Send or Receive. . . . . . . . . .  R
Record/File Sequence Number. . . .   20
Description. . . . . . . . . . . .  Training Class:  PO Detail
Record/File. . . . . . . . . . . .  PODETAIL

Position to Sequence Number. . . .  _____

Type option, press Enter.
  3=Copy  4=Delete

Opt Seq Field Name      Ty Start Len M Description          Field Value
     5 F020.CUSTNUM     AN    1    8 M CUSTOMER NUMBER      SENDER-ID
    10 F020.PODATE      CY    9    8 M PO DATE              CONSTANT-02
    15 F020.ITEMNUM     AN   17   10 M PRODUCT CODE
    20 F020.UOM         AN   27    7 M UNIT OF MEASURE
    25 F020.UNITPR      P2   34    2 M UNIT PRICE
    30 F020.PONUM       AN   36   10 M PO NUMBER            CONSTANT-01
                                                                More...
F1=Help  F4=Prompt  F10=Update  F12=Cancel  F13=Services  F24=More Keys
```

2. Change the Ty(pe) field for sequence 10 to **CY** for F020.PODATE and type **CONSTANT-02** in the Field Value field.

3. Enter **CONSTANT-01** in the Field Value field for sequence 30 (PO Number) and press **Enter** to update.

4. Press **F12** (Cancel) until you return to the GENMAIN menu.

Where to go next: Go to Chapter 5, "Creating an Inbound Transaction Map," and follow the step-by-step instructions.

Chapter

5 Creating an Inbound Transaction Map

In this Chapter

In this chapter, you will perform the following tasks to create a transaction map for a purchase order.

➢ Access the Transaction Mapping Subsystem

➢ Create and Define a New Transaction ID

➢ Copy Segments from Standards

➢ Map the Segments

➢ Create Subfield Mapping and Conditions for Some Segments

➢ View the Code Translation Table

What is a Transaction Map?

Transaction Mapping is the process of creating a map. A map contains all the information about the EDI segments and elements that are used for a specific document, such as the invoice or purchase order. It defines the transaction format that is used for translation. The segments and elements are pulled into your map and stored under a single identifier called the transaction ID or map name.

The map is then used to create a link with the application definition. The link is established by identifying how the transaction elements are related to the application fields.

Step 1: Access the Transaction Mapping Subsystem

1. To access the Transaction Mapping subsystem, select option **3** (Mapping Menu) on the GENMAIN menu, as shown at right, and press **Enter**.

```
GENMAIN                Gentran:Server for iSeries Release 3.5
                                                    System:   ISDDEV01
Select one of the following:

     1. Work with Partners
     2. Work with Application Definition
     3. Mapping Menu                           (GENMAP)
     4. Communications Menu                    (GENCOM)
     5. Work with Standards
     6. Work with Environment Control

     8. Audit Menu                             (GENAUD)
     9. Message Center Menu                    (GENMSG)
    10. Processing Menu                        (GENPRC)
    11. System Administration Menu             (GENSYS)
    12. Viewpoint Menu                         (GENVPT)
    13. Gentran File Tracking Menu             (GENFILETRK)
    14. Gentran:Server Search Index
                                                          More...
Selection or command
===>  3

F3=Exit   F4=Prompt   F9=Retrieve   F12=Cancel   F13=User Support
```

2. From the GENMAP menu, enter **2** (Work with Transaction Mapping) on the command line and press **Enter**.

```
GENMAP                  Gentran:Server Mapping 3.5
                                                    System:   ISDDEV01
Select one of the following:

     1. Work with Application Definition
     2. Work with Transaction Mapping
     3. Work with Extended Mapping
     4. Work with Tables
     5. Work with Sub-Splits

    10. Print Application Definition           (PRTAPP)
    11. Print Mapping Files                    (PRTMAP)
    12. Print Translation Tables               (PRTTRNTBL)
    13. Application Synchronization            (APPSYNCH)
    14. Mapping Synchronization                (MAPSYNCH)
    15. Map Version Compare and Conversion     (VERCNVT)
    16. Copy Applications                      (APPCPY)
    17. Copy Transaction Maps                  (TRNCPY)
                                                          More...
Selection or command
===>  2

F3=Exit   F4=Prompt   F9=Retrieve   F12=Cancel   F13=User Support
(C) COPYRIGHT Sterling Commerce Inc., 2008, ALL RIGHTS RESERVED.
```

Step 2:   Create a Transaction ID

The Work with Transaction Mapping panel provides an option for creating a new transaction ID. Typically, most users choose a name that identifies the transaction, version, and optionally, a partner-specific identifier.

To create a map for this example, complete the following instructions:

1. Enter **1** (Create) in the Option field on the key entry line.

2. Enter **850INB** (if 850INB already exists, add your initials to the end to make it unique) in the Tran(saction) ID field.

3. Enter **R** in the S/R (Send/Receive) field and press **Enter**.

```
EDIX500                Work with Transaction Mapping          EDI 04/30/08
FMT01                 pgmlib: G3X5PGM    dtalib: G3X5DTA            12:00:00

Position to Transaction ID . . . .  _____   S/R _

Type option (and Information), press Enter.
  1=Create  2=Revise  3=Copy  4=Delete  5=View  6=Print  11=Segments

Opt Tran ID    S/R Appl ID    Description                  User  Typ
1   850INB      R
__  ANSI2040IN  R  INVFILE    ANSI 002040 INBOUND INVOICES  CSG   G
__  ANSI2040PO  S  POFILE     ANSI 002040 OUTBOUND POS      CSG   G
__  BINARYOUT   S  BINARYOUT  BINARY OUT SAMPLE             MKK   G
__  INVOIC      S  INVOIC     Edifact OB Invoice D:94B      SEC   P
__  INVOICOUT   S  INVOICOUT  Tutorial EDIFACT Invoice D:94B EDI  P
__  ORDERS      R  ORDERS     Edifact Inb Orders D:94B      CSG   P
__  ORDERSINB   R  ORDERSINB  Tutorial ORDERS Inbound D:94B EDI   G
__  POMAP4010   R  SEMPOAPPL  Purchase Order Inbound 004010 EDI   P
__  SEMINMAP1   S  SEMINAPPL  SEMINAR 810 OUTBOUND MAP 2040 CSG   P
                                                             More...
Parameters or command
===> _____
F1=Help  P6=More/Less  F12=Cancel  F15=Sort  F23=More Options  F24=More Keys
```

Step 3:   Define a New Transaction ID

The Transaction Map Definition panel is used to specify the characteristics of your Transaction ID.

1. Enter **Tutorial PO Inbound 004010** in the Description field.

```
EDIX503                   Transaction Map Definition            EDI 04/30/08
FMT01                                                               12:00:00

Transaction ID . . . . . . . . . .  850INB
Send or Receive. . . . . . . . . .  R

Division . . . . . . . . . . . . .  000
Description. . . . . . . . . . . .  Tutorial PO Inbound 004010
Standards Version. . . . . . . . .  004010
Transaction Set. . . . . . . . . .  850
Transaction Set Release. . . . . .  0
Transaction Status . . . . . . . .  T
Use Code . . . . . . . . . . . . .  G
Envelope Type. . . . . . . . . . .  X
Application ID . . . . . . . . . .  POINB
Application Selection Field Values

Update Allowed . . . . . . . . . .  Y



F1=Help  F4=Prompt  F10=Update  F12=Cancel  F13=Services  F24=More Keys
```

2. Enter **004010** in the Standards Version field.

3. Enter **850** in the Transaction Set field.

4. Leave the **0** in the Transaction Set Release field as is. (This is for TRADACOMS standards only.)

5. Enter **T** in the Transaction Status field for 'Test.'

6. Enter **G** in the Use Code field for 'General.'

7. Enter **X** in the Envelope Type field for 'X12.'

8. On the Application ID field, press **F4** (Prompt).

9. In the pop-up window displayed, enter **1** in the field next to POINB (or the actual application ID that you created in the last chapter) and press **Ente**r.

10. Make sure the Update Allowed flag is set to **Y**, and press **F10** (Update) to update the panel and return to the Work with Transaction Mapping panel.

Step 4:   Access the Copy Segments from Standards Panel

The next step is to copy the segments from the standards into your map.

1. Enter **12** (Copy Segments) in the Option field next to your map (850INB) and press **Enter**.

```
EDIX500                Work with Transaction Mapping           EDI 04/30/08
FMT01              pgmlib: G3X5PGM     dtalib: G3X5DTA              12:00:00

Position to Transaction ID . . . .   850INB     S/R R

Type option (and Information), press Enter.
  1=Create  2=Revise  3=Copy  4=Delete  5=View  6=Print  11=Segments

Opt Tran ID    S/R Appl ID    Description                 User Typ

12  850INB      R  POINB      Tutorial PO Inbound 004010   EDI   G
    880SU31     S  INVOUTL    Outb Invoice (880) U3/1      EDI   G




                                                               Bottom
Parameters or command
===>
F1=Help  P6=More/Less  F12=Cancel  F15=Sort  F23=More Options  F24=More Keys
```

Quite often, the segments that need to be included in your map are requested by your trading partner. The table below lists the segments that are required for this sample purchase order map.

As you select the segments from the panels, verify that the Area and Seq# for each segment matches the one given in the table below, because many segments occur more than once in a transaction. For example, you will see two sets of N1 through N4 segments as you go through the panels: one in the H (Header) area, and one in the D (Detail) area.

Important
Be sure to choose the N1, N3, and N4 that are in the Header area to avoid mapping problems later on.

Segment	Area	Seq #	Comments
BEG	H	1	Mandatory – will already have **3** in the Option field.
N1	H	41	Enter **3** in the Option field.
N3	H	43	Enter **3** in the Option field.
N4	H	44	Enter **3** in the Option field.
PO1	D	76	Mandatory – will already have **3** in the Option field.
PID	D	86	Enter **3** in the Option field.
CTT	S	193	Enter **3** in the Option field.

2. Enter **3** (Copy) in the Option field next to each segment listed in the preceding table. The first panel is illustrated in the figure at right.

3. Press **Page Up/Page Down** to select additional segments to be copied. All mandatory segments will already have a **3** in the Option field.

4. When you have finished selecting the segments, press **Enter** to copy them into your map.

```
EDIX502                  Copy Segments from Standard              EDI 04/30/08
CTL01                                                                12:00:00

Transaction ID . . . . . . . . . .  850INB
Send or Receive. . . . . . . . . .  R
Standard . . . . . . . . . . . . .  004010
Transaction Set. . . . . . . . . .  850


Type option, press Enter.
  3=Copy

Opt   Seq      Seg Man    Max Loop    Max
      No  Area Id  Cd     Use  Id     Loop Description
  3    1   H   BEG  M      1                BEGINNING SEGMENT FOR PURCHASE ORDE
       2   H   CUR  O      1                CURRENCY
       3   H   REF  O    999999              REFERENCE IDENTIFICATION
       4   H   PER  O      3                ADMINISTRATIVE COMMUNICATIONS CONTA
       5   H   TAX  O    999999              TAX REFERENCE
       6   H   FOB  O    999999              F.O.B. RELATED INSTRUCTIONS
       7   H   CTP  O    999999              PRICING INFORMATION
                                                                      More...
F1=Help  F10=Update  F12=Cancel  F13=Services
```

5. Press **F12** (Cancel) to return to the Work with Transaction Mapping panel.

Step 5:   Access the Element Mapping Inbound Panel

Now that you have the segments in your map, you are ready to begin the element mapping ("point-to-point").

```
EDIX500                  Work with Transaction Mapping           EDI 04/30/08
FMT01                      pgmlib: G3X5PGM    dtalib: G3X5DTA            12:00:00

Position to Transaction ID . . . .  850INB      S/R R

Type option (and Information), press Enter.
  1=Create  2=Revise  3=Copy  4=Delete  5=View  6=Print  11=Segments

Opt Tran ID   S/R Appl ID   Description                 User Typ

11  850INB     R  POINB     Tutorial PO Inbound 004010  EDI  G
    880SU31    S  INVOUTL   Outb Invoice (880) U3/1     EDI  G




                                                                     Bottom
Parameters or command
===>
F1=Help  P6=More/Less  F12=Cancel  F15=Sort  F23=More Options  F24=More Keys
```

1. On the Work with Transaction Mapping panel, enter **11** (Segments) in the Option field next to your map (850INB) and press **Enter**.

2. Enter **11** (Elem Map) in the Option field next to the BEG segment and press **Enter**. Alternatively, you could use Option **14** (Split Screen Map) to perform mapping using the Split Screen Mapping feature.

```
EDIX504                    Transaction Map Segments              EDI 04/30/08
CTL01                                                                12:00:00

Transaction ID . . . . . . . . . .  850INB
Send or Receive. . . . . . . . . .  R
Transaction Set. . . . . . . . . .  850
Standard . . . . . . . . . . . . .  004010

Position to Sequence Number. . . .  ____

Type option, press Enter.
  3=Copy  4=Delete  11=Elem Map  12=Ext Map  13=Loop-end  14=Split Screen Map

Opt   Seq A Seg M    Max Loop   Max  Description              User      W
      No  C Id  C    Use Id     Loop                          Exit      F
11    100 H BEG  M     1                 BEGINNING SEGMENT FOR PURCH _____ _
      4100 H N1   O     1 4000     200 NAME                                    _
      4300 H N3   O     2 4000         ADDRESS INFORMATION                     _
      4400 H N4   O 999999 4000         GEOGRAPHIC LOCATION                    _
      7600 D PO1  M     1 8000  100000 BASELINE ITEM DATA                      _
      8600 D PID  O     1 8150    1000 PRODUCT/ITEM DESCRIPTION                _
                                                                    More...
F1=Help  F4=Prompt  F10=Update  F12=Cancel  F13=Services  F24=More Keys
```

Step 6:   Map the BEG Segment

Application fields can be entered in the Mapping Target field or selected from a list of available fields. The panel below shows how to use option '1' (Appl Fields) to select an application field from a pop-up window.

1. Enter **1** in the Option field next to element 2 (Purchase Order Type Code), and press **Enter**. A window that contains values to select from is displayed.

```
EDIX514                    Element Mapping Inbound              04/30/08
Tran ID. . . . . . . . . . . . . .  850INB      S/R. . . . . . . . R
Seg ID . . . . . . . . . . . . . .  BEG BEGINNING SEGMENT FOR PURCHASE
Seg Seq. . . . . . . . . . . . . .     100     Mapping Number . . .  0
Area Code. . . . . . . . . . .  H  Field          Op Field/Constant
Cond . . . . . . . . . . . . . .           _        _
Type option, press Enter.
1=Appl Fields  11=Ext Map  12=Subfield  13=Codes
       Mapping            Ele Sub X M  T                       Ele  Ele C
Opt Target Field    Table ID   No. Ele M C  P Description      Seq  ID R
 __  _____  _____       1      M ID TRANSACTION SET PURPOS  10  353
 1   _____  _____       2      M ID PURCHASE ORDER TYPE CO  20   92
 __  _____  _____       3      M AN PURCHASE ORDER NUMBER   30  324
 __  _____  _____       4      O AN RELEASE NUMBER          40  328
 __  _____  _____       5      M DT DATE                    50  373
 __  _____  _____       6      O AN CONTRACT NUMBER         60  367
 __  _____  _____       7      O ID ACKNOWLEDGMENT TYPE     70  587
 __  _____  _____       8      O ID INVOICE TYPE CODE       80 1019
 __  _____  _____       9      O ID CONTRACT TYPE CODE      90 1166
 __  _____  _____      10      O ID PURCHASE CATEGORY      100 1232
 __  _____  _____      11      O ID SECURITY LEVEL CODE    110  786
                                                                More...
F1=Help  F4=Prompt  F10=Update  F12=Cancel  F19=Apply Global  F24=More Keys
```

2. Enter **1** (select) in the Option field next to F010.TYPCODE and press **Enter** to populate the Mapping Target field.

```
EDIX514                    Element Mapping Inbound              04/30/08
Tran ID. . . . . . . . . . . . . .  850INB      S/R. . . . . . . . R
Seg ID . . . . . . . . . . . . . .  BEG BEGINNING SEGMENT FOR PURCHASE
Seg Seq. . . . . . . . . . . . . .     100     Mapping Number . . .  0
Area Code. . . . . . . . . . .  H  Field          Op Field/Constant
Cond . . . . . . . . . . . . . .           _        _
Type option, press Enter.
1=Appl Fields  11=Ext Map  12=Subfield  13=Codes
       Mapping            Ele Sub X M  T                       Ele  Ele C
Opt Target Field    Table ID   No. Ele M C  P Description      Seq  ID R
 __
 1     Description. . . . . . . . . . .    PURCHASE ORDER TYPE CO
         1=Select
 __     Opt Rec Type   No  Field Name    Typ Len Cde Description
 __     __  POHEADER    5  F010.CUSTNUM   AN   8  M  CUSTOMER NUMBER
 __     __  POHEADER   10  F010.PODATE    CY   8  M  PO DATE YYMD
 __     __  POHEADER   15  F010.PONUM     AN  10  M  PO NUMBER
 __     1   POHEADER   20  F010.TYPCODE   AN   2  M  TYPE CODE
 __     __  POHEADER   25  F010.TOTAMT    S2   9  M  TOT AMT
 __                                                          More...
 __     F1=Help  F3=Exit  F12=Cancel
F1=
```

Step 7:   Map the PO Number and PO Date

In this step, you will map the remaining elements in the BEG segment.

1. Perform the same instructions as used in the previous step to select the application fields to map to Purchase Order Number and Purchase Order date (elements 3 and 5). The figure at right shows how the panel should look after you have mapped the elements.

```
EDIX514                   Element Mapping Inbound              04/30/08
Tran ID. . . . . . . . . . . . .  850INB      S/R. . . . . . . . . R
Seg ID . . . . . . . . . . . . .  BEG BEGINNING SEGMENT FOR PURCHASE
Seg Seq. . . . . . . . . . . . .     100      Mapping Number . . .  0
Area Code. . . . . . . . . . .  H  Field         Op Field/Constant
Cond . . . . . . . . . . . . . .  _____      _
Type option, press Enter.
1=Appl Fields  11=Ext Map  12=Subfield  13=Codes
       Mapping              Ele Sub X M  T                      Ele  Ele C
Opt Target Field  Table ID   No. Ele M C  P Description         Seq   ID R
                              1        M ID TRANSACTION SET PURPOS 10  353
    F010.TYPCODE  _____      2        M ID PURCHASE ORDER TYPE CO 20   92
    F010.PONUM    _____      3        M AN PURCHASE ORDER NUMBER  30  324
    _____        _____      4        O AN RELEASE NUMBER         40  328
    F010.PODATE   _____      5        M DT DATE                   50  373
    _____        _____      6        O AN CONTRACT NUMBER        60  367
    _____        _____      7        O ID ACKNOWLEDGMENT TYPE    70  587
    _____        _____      8        O ID INVOICE TYPE CODE      80 1019
    _____        _____      9        O ID CONTRACT TYPE CODE     90 1166
    _____        _____     10        O ID PURCHASE CATEGORY     100 1232
    _____        _____     11        O ID SECURITY LEVEL CODE   110  786
                                                                 More...
F1=Help  F4=Prompt  F10=Update  F12=Cancel  F19=Apply Global  F24=More Keys
```

2. Next, complete extended mapping for the PO Number. On the Element Mapping Inbound panel, enter **11** next to element 3, as shown in the figure at right, and press **Enter.**

```
EDIX514                   Element Mapping Inbound              04/30/08
Tran ID. . . . . . . . . . . . .  850INB      S/R. . . . . . . . . R
Seg ID . . . . . . . . . . . . .  BEG BEGINNING SEGMENT FOR PURCHASE
Seg Seq. . . . . . . . . . . . .     100      Mapping Number . . .  0
Area Code. . . . . . . . . . .  H  Field         Op Field/Constant
Cond . . . . . . . . . . . . . .  _____      _
Type option, press Enter.
1=Appl Fields  11=Ext Map  12=Subfield  13=Codes
       Mapping              Ele Sub X M  T                      Ele  Ele C
Opt Target Field  Table ID   No. Ele M C  P Description         Seq   ID R
                              1        M ID TRANSACTION SET PURPOS 10  353
    F010.TYPCODE  _____      2        M ID PURCHASE ORDER TYPE CO 20   92
11  F010.PONUM    _____      3        M AN PURCHASE ORDER NUMBER  30  324
    _____        _____      4        O AN RELEASE NUMBER         40  328
    F010.PODATE   _____      5        M DT DATE                   50  373
    _____        _____      6        O AN CONTRACT NUMBER        60  367
    _____        _____      7        O ID ACKNOWLEDGMENT TYPE    70  587
    _____        _____      8        O ID INVOICE TYPE CODE      80 1019
    _____        _____      9        O ID CONTRACT TYPE CODE     90 1166
    _____        _____     10        O ID PURCHASE CATEGORY     100 1232
    _____        _____     11        O ID SECURITY LEVEL CODE   110  786
                                                                 More...
F1=Help  F4=Prompt  F10=Update  F12=Cancel  F19=Apply Global  F24=More Keys
```

3. On the Work with Extended Mapping panel, enter **2** in the Option field next to element 3 and press **Enter**.

```
EDIX506               Work with Extended Mapping          EDI 04/30/08
FMT01           pgmlib: G3X5PGM    dtalib: G3X5DTA            12:00:00

Position to Segment Seq. . . . . .   100  30  For 850INB      R

Type option (and Information), press Enter.
  1=Create  2=Revise  3=Copy  4=Delete  5=View
     Seg      Ele                      A  Seg
Opt  Seq      Seq    Map Constant/Field C  ID      Description

2    100       30     0  F010.PONUM    H  BEG     PURCHASE ORDER NUMBER
     100       40     0                H  BEG     RELEASE NUMBER
     100       50     0  F010.PODATE   H  BEG     DATE
     100       60     0                H  BEG     CONTRACT NUMBER
     100       70     0                H  BEG     ACKNOWLEDGMENT TYPE
     100       80     0                H  BEG     INVOICE TYPE CODE
     100       90     0                H  BEG     CONTRACT TYPE CODE
     100      100     0                H  BEG     PURCHASE CATEGORY
     100      110     0                H  BEG     SECURITY LEVEL CODE
                                                           More...
Parameters or command
===> _____
F1=Help  F3=Exit  F12=Cancel  F15=Sort  F24=More Keys
```

4. Enter **01** in the Save in Constant # field on the Extended Inbound Mapping panel. This enables you to save the purchase order for repeated mapping.

5. Press **F17** (Next Rcd) twice to update and advance to Element 50.

```
EDIX513                    Extended Inbound Mapping              EDI 04/30/08
FMT01                                                               12:00:00
Segment ID . . . . . . . . . . . .  BEG      Transaction ID . . .  850INB
Area Code. . . . . . . . . . . . .  H        Send or Receive. . .  R
Element Number . . . . . . . . . .  30       Element ID . . . . .  0324
Segment Sequence . . . . . . . . .  100      Mapping Number . . .  0

                            Mapping of Data Element
Application Target Field . . . . .  F010.PONUM
Target Field = _____
  Or           Value         Op Value           Op Value
Target Field = _____ __ _____ __ _____
   If          _____ __ _____
    And/Or      _____ __ _____ Round Element. . . .    #DEC
Table ID . . . . . . . . . . . . .  _____   Type of Table. . . .
Add to Hash Total #. . . . . . . .  __        Length (Minimum) . .    1
Save in Constant # . . . . . . . .  01        Length (Maximum) . .    22
Add 1 to Accumulator # . . . . . .  __        Group Req Cd . . . .
User Exit Routine. . . . . . . . .            Related. . . . . . .  N
Mandatory Code . . . . . . . . . .  M         Type . . . . . . . .  AN
Element Group. . . . . . . . . . .            Type . . . . . . . .
Segment Description. . . . . . . .  BEGINNING SEGMENT FOR PURCHASE
Element Description. . . . . . . .  PURCHASE ORDER NUMBER
F1=Help  F2=More/Less  F10=Update  F14=Notes  F19=Appl  F24=More Keys
```

6. Enter **02** in the Save in Constant # field on the Extended Inbound Mapping panel. This enables you to save the PO date for repeated mapping.

7. Press **F10** (Update) to update this element and to return to the Work with Extended Mapping panel.

8. Press **F12** (Cancel) to return to the Element Mapping Inbound panel.

```
EDIX513                    Extended Inbound Mapping              EDI 04/30/08
FMT01                                                               12:00:00
Segment ID . . . . . . . . . . . .  BEG      Transaction ID . . .  850INB
Area Code. . . . . . . . . . . . .  H        Send or Receive. . .  R
Element Number . . . . . . . . . .  50       Element ID . . . . .  0373
Segment Sequence . . . . . . . . .  100      Mapping Number . . .  0

                            Mapping of Data Element
Application Target Field . . . . .  F010.PODATE
Target Field = _____
              Value          Op Value           Op Value
Target Field = _____ __ _____ __ _____
   If          _____ __ _____
    And/Or      _____ __ _____ Round Element. . . .    #DEC
Table ID . . . . . . . . . . . . .  _____   Type of Table. . . .
Add to Hash Total #. . . . . . . .  __        Length (Minimum) . .    8
Save in Constant # . . . . . . . .  02        Length (Maximum) . .    8
Add 1 to Accumulator # . . . . . .  __        Group Req Cd . . . .
User Exit Routine. . . . . . . . .            Related. . . . . . .  N
Mandatory Code . . . . . . . . . .  M         Type . . . . . . . .  DT
Element Group. . . . . . . . . . .            Type . . . . . . . .
Segment Description. . . . . . . .  BEGINNING SEGMENT FOR PURCHASE
Element Description. . . . . . . .  DATE
F1=Help  F2=More/Less  F10=Update  F14=Notes  F19=Appl  F24=More Keys
```

9. Press **F17** (Next Rcd) to update the panel and to advance to the next segment (N1).

Step 8: Map the N1 Segment

First, you will add a condition to the map for this segment. The condition will cause the map to use only those instances of the N1 (Name) that are labeled as Ship To information. In the EDI data, these are marked with the code 'ST.'

1. In the Cond field at the top, enter **N1/10/4100**.

```
EDIX514                    Element Mapping Inbound                04/30/08
Tran ID. . . . . . . . . . . . .  850INB      S/R. . . . . . . . . R
Seg ID . . . . . . . . . . . . .  N1  NAME
Seg Seq. . . . . . . . . . . . .   4100      Mapping Number . . .  0
Area Code. . . . . . . . . .  H  Field            Op Field/Constant
Cond . . . . . . . . . . . . . .   N1/10/4100    EQ 'ST'
Type option, press Enter.
1=Appl Fields  11=Ext Map  12=Subfield  13=Codes
      Mapping             Ele Sub X M  T                           Ele  Ele C
Opt Target Field    Table ID  No. Ele M C  P Description            Seq  ID R
___ _____ _____        1     C M AN ENTITY IDENTIFIER CODE 10   98
___ _____ _____        2     C C AN NAME                   20   93 Y
___ _____ _____        3     C C ID IDENTIFICATION CODE QU 30   66 Y
___ _____ _____        4     C C AN IDENTIFICATION CODE    40   67
___ _____ _____        5     C O ID ENTITY RELATIONSHIP CO 50  706
___ _____ _____        6     C O AN ENTITY IDENTIFIER CODE 60   98



                                                                     Bottom
F1=Help  F4=Prompt  F10=Update  F12=Cancel  F19=Apply Global  F24=More Keys
```

2. Use the **Tab** key to move the cursor to the Op field.

3. Enter **EQ** in the Op field.

4. The cursor automatically advances to the Field/Constant field. Enter **'ST'** (Shipto), enclosed in single quotes.

You now have a condition that reads: If element 10 (Entity Identifier Code) is equal to 'ST,' use the data; otherwise, ignore it.

5. Press **F19** (Apply Global).

6. Leave the default map number **0** and press **Enter**. This applies the If-condition to all the elements in the segment and flags the Ext Map column with a 'C' for conditions.

```
EDIX514                    Element Mapping Inbound                04/30/08
Tran ID. . . . . . . . . . . . .  850INB      S/R. . . . . . . . . R
Seg ID . . . . . . . . . . . . .  N1  NAME
Seg Seq. . . . . . . . . . . . .   4100      Mapping Number . . .  0
Area Code. . . . . . . . . .  H  Field            Op Field/Constant
Cond . . . . . . . . . . . . . .   N1/10/4100    EQ 'ST'
Type option, press Enter.
1=Appl Fields  11=Ext Map  12=Subfield  13=Codes
      Mapping             Ele Sub X M  T                           Ele  Ele C
Opt Target Field    Table ID  No. Ele M C  P Description            Seq  ID R
                                 1     C M AN ENTITY IDENTIFIER CODE 10   98
                                                                          93 Y
   Apply to Map                                                           66 Y
   _0                                                                     67
   F3=Exit  F12=Cancel                                                    06
                                                                          98




                                                                     Bottom
F1=Help  F4=Prompt  F10=Update  F12=Cancel  F19=Apply Global  F24=More Keys
```

7. Enter **F010.SHIPTONAME** in the Mapping Target field next to element 2 (Name) or use Option **1** to select the field from the list.

8. Press **F17** (Next Rcd) to advance to the next segment (N3).

```
EDIX514                    Element Mapping Inbound                04/30/08
Tran ID. . . . . . . . . . . . .  850INB      S/R. . . . . . . . . R
Seg ID . . . . . . . . . . . . .  N1  NAME
Seg Seq. . . . . . . . . . . . .   4100      Mapping Number . . .  0
Area Code. . . . . . . . . .  H  Field            Op Field/Constant
Cond . . . . . . . . . . . . . .   N1/10/4100    EQ 'ST'
Type option, press Enter.
1=Appl Fields  11=Ext Map  12=Subfield  13=Codes
      Mapping             Ele Sub X M  T                           Ele  Ele C
Opt Target Field    Table ID  No. Ele M C  P Description            Seq  ID R
___                              1     C M AN ENTITY IDENTIFIER CODE 10   98
___ F010.SHIPTONAME              2     C C AN NAME                   20   93 Y
___ _____ _____        3     C C ID IDENTIFICATION CODE QU 30   66 Y
___ _____ _____        4     C C AN IDENTIFICATION CODE    40   67
___ _____ _____        5     C O ID ENTITY RELATIONSHIP CO 50  706
___ _____ _____        6     C O AN ENTITY IDENTIFIER CODE 60   98




                                                                     Bottom
F1=Help  F4=Prompt  F10=Update  F12=Cancel  F19=Apply Global  F24=More Keys
```

Step 9:   Map the N3 Segment

Only Ship To address
information is needed for this
example, so use the same
conditional statement here that
was used on the N1 segment.

```
EDIX514                    Element Mapping Inbound              04/30/08
Tran ID. . . . . . . . . . . . . .  850INB      S/R. . . . . . . . . R
Seg ID . . . . . . . . . . . . . .  N3  ADDRESS INFORMATION
Seg Seq. . . . . . . . . . . . . .   4300     Mapping Number . . .  0
Area Code. . . . . . . . . . .  H  Field          Op Field/Constant
Cond . . . . . . . . . . . . . . .  N1/10/4100     EQ 'ST'
Type option, press Enter.
1=Appl Fields  11=Ext Map  12=Subfield  13=Codes
     Mapping                Ele Sub X M  T                      Ele  Ele C
Opt  Target Field    Table ID   No. Ele M C   P Description      Seq   ID R

     Apply to Map
     0
     F3=Exit  F12=Cancel




                                                             Bottom
F1=Help  F4=Prompt  F10=Update  F12=Cancel  F19=Apply Global  F24=More Keys
```

1. In the Cond field, enter
    N1/10/4100.

2. Use the **Tab** key to move
    the cursor to the Op field.

3. Enter **EQ** in the Op field.

4. The cursor automatically
    advances to the Field/Constant field. Enter **'ST'** (enclosed in single quotes) in this field.

5. Press **F19** (Apply Global).

6. Leave the default map number **0** and press **Enter.**

7. Enter **F010.SHIPTOADD1**
    in the Mapping Target field
    for element 1 or use option
    1 to select the field from the
    list.

8. Enter **F010.SHIPTOADD2**
    in the Mapping Target field
    for element 2 or use option
    1 to select the field from the
    list.

9. Press **F17** (Next Rcd) to
    update the panel and to
    advance to the next segment.

```
EDIX514                    Element Mapping Inbound              04/30/08
Tran ID. . . . . . . . . . . . . .  850INB      S/R. . . . . . . . . R
Seg ID . . . . . . . . . . . . . .  N3  ADDRESS INFORMATION
Seg Seq. . . . . . . . . . . . . .   4300     Mapping Number . . .  0
Area Code. . . . . . . . . . .  H  Field          Op Field/Constant
Cond . . . . . . . . . . . . . . .  N1/10/4100     EQ 'ST'
Type option, press Enter.
1=Appl Fields  11=Ext Map  12=Subfield  13=Codes
     Mapping                Ele Sub X M  T                      Ele  Ele C
Opt  Target Field    Table ID   No. Ele M C   P Description      Seq   ID R
     F010.SHIPTOADD1           1       C M AN ADDRESS INFORMATION  10  166
     F010.SHIPTOADD2           2       C O AN ADDRESS INFORMATION  20  166




                                                             Bottom
F1=Help  F4=Prompt  F10=Update  F12=Cancel  F19=Apply Global  F24=More Keys
```

Step 10: Apply Conditions to the N4 Segment

Only Ship To city and state information is needed for this example, so use the same conditional statement here that was used on the N1 segment.

```
EDIX514                  Element Mapping Inbound              04/30/08
Tran ID. . . . . . . . . . . . . . 850INB    S/R. . . . . . . . . R
Seg ID . . . . . . . . . . . . . . N4  GEOGRAPHIC LOCATION
Seg Seq. . . . . . . . . . . . . . 4400    Mapping Number . . .  0
Area Code. . . . . . . . . . . H  Field              Op Field/Constant
Cond . . . . . . . . . . . . . . . N1/10/4100    EQ 'ST'
Type option, press Enter.
1=Appl Fields  11=Ext Map  12=Subfield  13=Codes
     Mapping                 Ele Sub X M  T                    Ele  Ele C
Opt Target Field    Table ID  No. Ele M C  P Description        Seq  ID R
__  F010.SHIPTOCITY _____   1    C O AN CITY NAME           10   19
__  F010.SHIPTOST   _____   2    C O ID STATE OR PROVINCE CODE 20 156
__  F010.SHIPTOZIP  _____   3    C O ID POSTAL CODE         30  116
__
__      Apply to Map
__        0
__      F3=Exit  F12=Cancel
__
__
__
                                                               Bottom
F1=Help  F4=Prompt  F10=Update  F12=Cancel  F19=Apply Global  F24=More Keys
```

1. In the Cond field, enter **N1/10/4100**.

2. Use the **Tab** key to move the cursor to the Op field.

3. Enter **EQ** in the Op field.

4. The cursor automatically advances to the Field/Constant field. Enter **'ST'** (enclosed in single quotes) in this field.

5. Press **F19** (Apply Global).

6. Leave the default map number **0** and press **Enter.**

Step 11: Map the N4 Segment

1. Enter **F010.SHIPTOCITY** in the Mapping Target field for element 1 or use Option **1** to select the field from the list.

2. Enter **F010.SHIPTOST** in the Mapping Target field for element 2.

3. Enter **F010.SHIPTOZIP** in the Mapping Target field for element 3.

4. Press **F17** (Next Rcd) to update the panel and advance to the next segment.

```
EDIX514                    Element Mapping Inbound                04/30/08
Tran ID. . . . . . . . . . . . .  850INB      S/R. . . . . . . . . R
Seg ID . . . . . . . . . . . . .  N4  GEOGRAPHIC LOCATION
Seg Seq. . . . . . . . . . . . .   4400       Mapping Number . . .  0
Area Code. . . . . . . . . . .  H  Field        Op Field/Constant
Cond . . . . . . . . . . . . . .  N1/10/4100    EQ 'ST'
Type option, press Enter.
1=Appl Fields  11=Ext Map  12=Subfield  13=Codes
     Mapping                Ele Sub X M  T                        Ele  Ele C
Opt Target Field   Table ID  No. Ele M C  P Description           Seq   ID R
 __  F010.SHIPTOCITY _____   1       C O  AN CITY NAME           10   19
 __  F010.SHIPTOST   _____   2       C O  ID STATE OR PROVINCE CODE 20  156
 __  F010.SHIPTOZIP  _____   3       C O  ID POSTAL CODE         30  116
 __  _____  _____   4       C O  ID COUNTRY CODE        40   26
 __  _____  _____   5       C C  ID LOCATION QUALIFIER  50  309
 __  _____  _____   6       C O  AN LOCATION IDENTIFIER 60  310 Y




                                                              Bottom
F1=Help  F4=Prompt  F10=Update  F12=Cancel  F19=Apply Global  F24=More Keys
```

Step 12: Map the PO1 Segment

1. Enter **F020.QTYORD** in the
    Mapping Target field for
    element 2. Or use option **1**
    to select the field from the
    list.

2. Enter **F020.UOM** in the
    Mapping Target field for
    element 3.

3. Enter **SEMCODE** in the
    Table ID for element 3 (or
    press **F4** to see a list of
    tables from which to
    choose).

```
EDIX514                 Element Mapping Inbound            04/30/08
Tran ID. . . . . . . . . . . . . .  850INB     S/R. . . . . . . . . R
Seg ID . . . . . . . . . . . . . .  PO1 BASELINE ITEM DATA
Seg Seq. . . . . . . . . . . . . .  7600      Mapping Number . . .  0
Area Code. . . . . . . . . .  D  Field          Op Field/Constant
Cond . . . . . . . . . . . . . .  _____ __ _____
Type option, press Enter.
1=Appl Fields  11=Ext Map  12=Subfield  13=Codes
     Mapping              Ele Sub X M  T                       Ele  Ele C
Opt Target Field   Table ID  No. Ele M C  P Description        Seq   ID R
 __                           1      O  AN ASSIGNED IDENTIFICATIO 10  350
 __ F020.QTYORD   _____   2      C  R  QUANTITY ORDERED      20  330
 __ F020.UOM      SEMCODE     3      O  ID UNIT OR BASIS FOR MEAS 30  355 Y
 __ F020.UNITPR   _____   4      C  R  UNIT PRICE            40  212
 __ _____     _____   5      O  ID BASIS OF UNIT PRICE CO 50  639 Y
 __ _____     _____   6      C  ID PRODUCT/SERVICE ID QUA 60  235 Y
 __ F020.ITEMNUM  SEMDATA     7    C C  AN PRODUCT/SERVICE ID     70  234
 __ _____     _____   8      C  ID PRODUCT/SERVICE ID QUA 80  235 Y
 __ _____     _____   9      C  AN PRODUCT/SERVICE ID     90  234
 __ _____     _____  10      C  ID PRODUCT/SERVICE ID QUA 100 235 Y
 __ _____     _____  11      C  AN PRODUCT/SERVICE ID     110 234
                                                              More...
F1=Help  F4=Prompt  F10=Update  F12=Cancel  F19=Apply Global  F24=More Keys
```

4. Enter **F020.UNITPR** in the Mapping Target field for element 4.

5. Enter **F020.ITEMNUM** in the Mapping Target and **SEMDATA** in the Table ID for element 7.

6. Press **Enter** to update.

Step 13: Add Extended Maps for Element Sequence 70 of the PO1 Segment

1. Enter **11** in the option field for element sequence 70 and press **Enter**.

```
EDIX514                   Element Mapping Inbound              04/30/08
Tran ID. . . . . . . . . . . . . . 850INB      S/R. . . . . . . . . R
Seg ID . . . . . . . . . . . . . . PO1 BASELINE ITEM DATA
Seg Seq. . . . . . . . . . . . . .    7600      Mapping Number . . .  0
Area Code. . . . . . . . . . .   D  Field          Op Field/Constant
Cond . . . . . . . . . . . . . . .  _____    __ _____
Type option, press Enter.
1=Appl Fields  11=Ext Map  12=Subfield  13=Codes
      Mapping              Ele Sub X M T                    Ele  Ele C
Opt Target Field    Table ID  No. Ele M C  P Description    Seq  ID  R
                                  1      O AN ASSIGNED IDENTIFICATIO 10 350
    F020.QTYORD              2      C R  QUANTITY ORDERED    20  330
    F020.UOM       SEMCODE   3      O ID UNIT OR BASIS FOR MEAS 30 355 Y
    F020.UNITPR             4      C R  UNIT PRICE          40  212
                           5      O ID BASIS OF UNIT PRICE CO 50 639 Y
                           6      C ID PRODUCT/SERVICE ID QUA 60 235 Y
11  F020.ITEMNUM   SEMDATA  7   C C AN PRODUCT/SERVICE ID    70  234
                           8      C ID PRODUCT/SERVICE ID QUA 80 235 Y
                           9      C AN PRODUCT/SERVICE ID    90  234
                          10      C ID PRODUCT/SERVICE ID QUA 100 235 Y
                          11      C AN PRODUCT/SERVICE ID   110  234
                                                              More...
F1=Help  F4=Prompt  F10=Update  F12=Cancel  F19=Apply Global  F24=More Keys
```
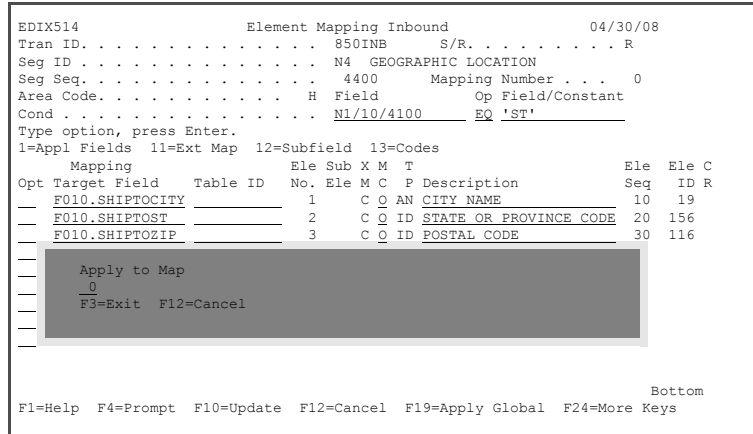
2. On the Extended Mapping panel, enter **2** in the option field for element sequence70 and press **Enter**.

```
EDIX513                 Extended Inbound Mapping          EDI 04/30/08
FMT01                                                         12:00:00
Segment ID . . . . . . . . . . . .  PO1      Transaction ID . . . 850INB
Area Code. . . . . . . . . . . .   D      Send or Receive. . . R
Element Number . . . . . . . . . .   70      Element ID . . . . . 0234
Segment Sequence . . . . . . . . .  7600     Mapping Number . . .   0
                        Mapping of Data Element
Application Target Field . . . . . F020.ITEMNUM
Target Field = _____
  Or       Value       Op Value        Op Value
Target Field = _____ __ _____ __ _____
   If        PO1/060/7600___ EQ 'PI'_____
   And/Or O  PO1/060/7600___ EQ 'CB'_____   Round Element. . .   #DEC
Table ID . . . . . . . . . . . . .  _____    Type of Table. . .
Add to Hash Total #. . . . . . . .  __           Length (Minimum) .   1
Save in Constant # . . . . . . . .  __           Length (Maximum) .  30
Add 1 to Accumulator # . . . . . .  __           Group Req Cd . . .
User Exit Routine. . . . . . . . .  _____      Related. . . . . .  N
Mandatory Code . . . . . . . . . .  C            Type . . . . . . .  AN
Element Group. . . . . . . . . . .               Type . . . . . . .
Segment Description. . . . . . . .  BASELINE ITEM DATA
Element Description. . . . . . . .  PRODUCT/SERVICE ID
F1=Help  F2=More/Less  F10=Update  F14=Notes  F19=Appl  F24=More Keys
```

3. On the If condition line, enter **PO1/60/7600** in the first value field.

4. **Tab** to the OP field and enter **EQ** (for equal).

5. In the Value field, enter **'PI'** (enclosed in single quotes to indicate a literal value).

6. **Tab** to the And/Or line and enter **O** (uppercase letter o) to create an Or condition.

```
EDIX513                 Extended Inbound Mapping          EDI 04/30/08
FMT01                                                         12:00:00
Segment ID . . . . . . . . . . . .  PO1      Mapping Number . . . .0
Area Code. . . . . . . . . . . .   D      Transaction ID . . . 850INB
Element Number . . . . . . . . . .   70      Send or Receive. . . R
Segment Sequence . . . . . . . . .  7600     Element ID . . . . . 0234

                        Mapping of Data Element
Application Target Field . . . . . F020.ITEMNUM
             Value       Op Value        Op Value
Target Field = _____
   If       PO1/60/7600  EQ 'PI'
   And/Or O  PO1/60/7600  EQ 'CB'
Table ID . . . . . . . . . . . . .  SEMDATA   Type of Table. . . .  DATA
Add to Hash Total #. . . . . . . .  __       Length (Minimum) . .   1
Save in Constant # . . . . . . . .  __       Length (Maximum) . .  48
Add 1 to Accumulator # . . . . . .  __       Group Req Cd . . . .
User Exit Routine. . . . . . . . .  _____  Related. . . . . . .  N
Mandatory Code . . . . . . . . . .  C        Type . . . . . . . .  AN
Element Group. . . . . . . . . . .            Type . . . . . . . .
Segment Description. . . . . . . .  BASELINE ITEM DATA
Element Description. . . . . . . .  PRODUCT/SERVICE ID
F1=Help  F2=More/Less  F4=Prompt  F10=Update  F19=Appl  F24=More Keys
```

7. Enter **PO1/60/7600** in the first value field.

8. **Tab** to Op field and enter **EQ**.

9. In the second value field, enter **'CB'** (enclosed in single quotes).
This mapping enables you to map to the item number field if the EDI qualifier is either 'PI' or 'CB.' Often, partners use different codes that mean the same thing to your application.

10. Press **F10** (Update) to update the extended map and return to the Work with Extended Mapping panel.

11. Enter **3** (Copy) in the Option field for element sequence 70, map 0, and press **Enter**.Enter **1** in the Copy To field in the pop-up window and press **Enter** to add extended map #1.

```
EDIX506                Work with Extended Mapping          EDI 04/30/08
FMT01              pgmlib: G3X5PGM    dtalib: G3X5DTA            12:00:00

Position to Segment Seq. . . . . .   7600  70  For 850INB     R

Type option (and Information), press Enter.
 1=Create  2=Revise  3=Copy  4=Delete  5=View
     Seg        Ele                    A  Seg
Opt  Seq        Seq     Map Constant/Field  C  ID     Description

3    7600       70       0  F020.ITEMNUM    D  PO1    PRODUCT/SERVICE ID

    Copy To                                                           IF
    1
    F3=Exit  F12=Cancel                                               IF

                                                                      IF

    7600       140      0                   D  PO1    PRODUCT/SERVICE ID QUALIF
                                                                    More...
Parameters or command
===>
F1=Help  P6=More/Less  F12=Cancel  F15=Sort  F24=More Keys
Revise Operation Successful.
```

12. Enter **2** in the Option field for element sequence 70, map 1, and press **Enter**.

```
EDIX506                Work with Extended Mapping          EDI 04/30/08
FMT01              pgmlib: G3X5PGM    dtalib: G3X5DTA            12:00:00

Position to Segment Seq. . . . . .   7600  70  For 850INB     R

Type option (and Information), press Enter.
 1=Create  2=Revise  3=Copy  4=Delete  5=View
     Seg        Ele                    A  Seg
Opt  Seq        Seq     Map Constant/Field  C  ID     Description

     7600       70       0  F020.ITEMNUM    D  PO1    PRODUCT/SERVICE ID
2    7600       70       1  F020.ITEMNUM    D  PO1    PRODUCT/SERVICE ID
     7600       80       0                  D  PO1    PRODUCT/SERVICE ID QUALIF
     7600       90       0                  D  PO1    PRODUCT/SERVICE ID
     7600      100       0                  D  PO1    PRODUCT/SERVICE ID QUALIF
     7600      110       0                  D  PO1    PRODUCT/SERVICE ID
     7600      120       0                  D  PO1    PRODUCT/SERVICE ID QUALIF
     7600      130       0                  D  PO1    PRODUCT/SERVICE ID
     7600      140       0                  D  PO1    PRODUCT/SERVICE ID QUALIF
                                                                    More...
Parameters or command
===>
F1=Help  F3=Exit  F12=Cancel  F15=Sort  F24=More Keys
```

13. On the Extended Inbound Mapping panel, change the second value field on the If line to **'VN'**. Optionally, you can press **F20** (Codes) on the Value field to choose from a list of available codes.

```
EDIX513                Extended Inbound Mapping            EDI 04/30/08
FMT01                                                          12:00:00
Segment ID . . . . . . . . . . . . PO1       Transaction ID . . . 850INB
Area Code. . . . . . . . . . . . . D         Send or Receive. . . R
Element Number . . . . . . . . . . 70        Element ID . . . . . 0234
Segment Sequence . . . . . . . . . 7600      Mapping Number . . . 1
                        Mapping of Data Element
Application Target Field . . . . . F020.ITEMNUM
Target Field =
    Or      Value      Op Value       Op Value
Target Field =
    If      PO1/060/7600   EQ 'VN'
     And/Or _                                Round Element. . .   #DEC
Table ID . . . . . . . . . . . . .           Type of Table. . .
Add to Hash Total #. . . . . . . .  __       Length (Minimum).    1
Save in Constant # . . . . . . . .  __       Length (Maximum).    30
Add 1 to Accumulator # . . . . . .  __       Group Req Cd . . .
User Exit Routine. . . . . . . . .           Related. . . . . .   N
Mandatory Code . . . . . . . . . .  C        Type . . . . . . .   AN
Element Group. . . . . . . . . . .           Type . . . . . . .
Segment Description. . . . . . . . BASELINE ITEM DATA
Element Description. . . . . . . . PRODUCT/SERVICE ID
F1=Help  F2=More/Less  F10=Update  F14=Notes  F19=Appl  F24=More Keys
```

14. Blank out all values on the And/Or line.

15. Blank out the Table ID field.

16. Press **F10** (Update) to add the extended map and return to the Work with Extended Mapping panel.

17. Press **F12** (Cancel) to return to the Element Mapping Inbound panel.

18. Press **F17** (Next Rcd) to advance to the next segment (PID).

Step 14: Map the PID Segment

1. On the Element Mapping Inbound panel, enter **F020.DESC** in the Mapping Target field for element 5 (Description) or use option **1** to select the field from the list.

2. Press **Enter**.

3. Press **F12** (Cancel) until you return to the Work with Transaction Mapping panel.

```
EDIX514                 Element Mapping Inbound              04/30/08
Tran ID. . . . . . . . . . . . . .  850INB     S/R. . . . . . . . . R
Seg ID . . . . . . . . . . . . . .  PID PRODUCT/ITEM DESCRIPTION
Seg Seq. . . . . . . . . . . . . .  8600     Mapping Number . . .  0
Area Code. . . . . . . . . .  D  Field          Op Field/Constant
Cond . . . . . . . . . . . . . . .  _____  __  _____
Type option, press Enter.
1=Appl Fields  11=Ext Map  12=Subfield  13=Codes
      Mapping              Ele Sub X M  T                       Ele  Ele C
Opt Target Field   Table ID  No. Ele M C  P Description          Seq   ID R
___  _____  _____   1       M ID ITEM DESCRIPTION TYPE  10  349
___  _____  _____   2       O ID PRODUCT/PROCESS CHARAC 20  750
___  _____  _____   3       C ID AGENCY QUALIFIER CODE  30  559
___  _____  _____   4       C AN PRODUCT DESCRIPTION CO 40  751 Y
___  F020.DESC    _____   5       C AN DESCRIPTION            50  352 Y
___  _____  _____   6       O ID SURFACE/LAYER/POSITION 60  752
___  _____  _____   7       O AN SOURCE SUBQUALIFIER    70  822 Y
___  _____  _____   8       O ID YES/NO CONDITION OR RE 80 1073 Y
___  _____  _____   9       O ID LANGUAGE CODE          90  819 Y


                                                           Bottom
F1=Help  F4=Prompt  F10=Update  F12=Cancel  F19=Apply Global  F24=More Keys
```

> ✎ **NOTE**
>
> Even though there is a CTT segment in the Summary section, there is nothing we need to map into our application.

Step 15: View the Code Translation Table

Gentran:Server allows you to create tables that will be used during inbound and outbound processing to translate between your application code values and EDI standard code values. Let us now look at the contents of the SEMCODE table.

1. On the Work with Transaction Mapping panel, enter **13** (Tables) in the Option field on the key entry line and press **Enter**.

```
EDIX500              Work with Transaction Mapping        EDI 04/30/08
FMT01               pgmlib: G3X5PGM    dtalib: G3X5DTA          12:00:00

Position to Transaction ID . . . .          S/R

Type option (and Information), press Enter.
  1=Create  2=Revise  3=Copy  4=Delete  5=View  6=Print  11=Segments

Opt Tran ID   S/R Appl ID   Description               User Typ
13
    SEMPO4010   R  SEMPOAPPL  Purch. Order Inb. 004010    EDI   P
    TCOMINV8P   S  TCOMINV8P  Tradacoms Invoice 8         CV    P
    TCOMORD8P   R  TCOMORD8P  Tradacoms Orders 8          CV    P
    810OUT      S  INVOUT     Tutorial Invoice Outbound 4010 EDI P
    810S41EDI   S  INVOUTPEDI Outbound Invoice 004010 (demo) EDI P
    810S41TPC1  S  INVOUTP    OUTBOUND INVOICE 004010 (demo) EDI P
    810S41TPC2  S  INVOUTL    Invoice Outbound 4010 (to TP2) EDI P
    850INB      R  POINB      Tutorial PO Inbound 004010  EDI   G
    880SU31     S  INVOUTL    Outb Invoice (880) U3/1     EDI   G
                                                              Bottom
Parameters or command
===>
F1=Help  P6=More/Less  F12=Cancel  F15=Sort  F23=More Options  F24=More Keys
```

2. Enter **12** in the Option field next to SEMCODE and press **Enter**.

```
EDIX580                   Work with Tables              EDI 04/30/08
FMT01               pgmlib: G3X5PGM    dtalib: G3X5DTA          12:00:00

Position to Table ID . . . . . . .    _____

Type option (and Information), press Enter.
  1=Create  2=Revise  3=Copy  4=Delete  5=View  6=Print  11=Copy Std Codes

Opt Table ID   Type Description                   Partner ID

    ANACONVERT  D   CONVERT WAREHOUSE TO ANA NUMBERS
    DUNS        D   INTERNAL VENDOR TO DUNS CONVERSION
    DUNS1       D   INTERNAL VENDOR TO DUNS CONVERSION
    REMIT       V   REMITTANCE TYPE NAME QUALIFIER
    REMIT1      V   REMITTANCE TYPE NAME QUALIFIER
12  SEMCODE     C   UNIT OF MEASURE TABLE
    SEMDATA     D   ITEM NUMBER TRANSLATION TABLE
    SEMDATA     D   ITEM NUMBER TRANSLATION TABLE    C13579
    SEMDATA     D   ITEM NUMBER TRANSLATION TABLE    C24680
                                                              More...
Parameters or command
===>
F1=Help  F3=Exit  F12=Cancel  F15=Sort  F23=More Options  F24=More Keys
```

3. Once you have reviewed the values on the Code Translation panel, press **F12** (Cancel) until you return to the GENMAIN menu.

```
EDIX583                   Code Translation             EDI 04/30/08
CTL01                                                         12:00:00

Table ID . . . . . . . . . . . . .  SEMCODE
Position to STD Code . . . . . . .   _____

Type option, press Enter.
  4=Delete

Opt Standard    Application Standard Code Description
    Code          Code
    BX          BX       BOX OF GOODS
    BX 1        BOXES    BOX OF GOODS
    BX 2        BOX      ANOTHER BOX OF GOODS
    CA          CASE     CASE LOT
    DZ          DOZEN    DOZEN
    EA          EA       EACH
    EA 1        EACH     EACH



                                                              More...
F1=Help  F5=Refresh  F10=Update  F12=Cancel  F21=Prt Table  F24=More Keys
```

Where to go next: Go to Chapter 6, "Inbound Processing," and follow the step-by-step instructions.

6 Inbound Processing

In this Chapter

In this chapter, you will accomplish the following:

➢ Access the Processing Subsystem

➢ Perform Inbound Processing

➢ Access the Message Center

➢ Display Message Center Details for Job

➢ Access Spooled Files for Job (Inbound Processing Reports)

➢ Access the Audit Subsystem

➢ Search for a Document

➢ View Unwrapped EDI Data for a Partner

➢ Access EDI Monitor Reports

➢ Print EDI Monitor Reports

What is Processing?

Processing, which is also called 'translation processing,' is the work Gentran:Server does to convert the format of the data transmitted between you and your trading partners. The best way to explain processing is to divide it into the inbound and outbound components.

Outbound Processing prepares your application output data for transmission to your trading partner. First, the data is translated into the proper EDI standard for your trading partner. The system then performs compliance checking.

Inbound Processing converts the EDI standard documents received from your trading partners into the proper input format for your applications. The system first performs 'compliance checking,' which verifies whether the data you received conforms to the EDI standard that your trading partner has agreed to use. The data is then converted into the application format that you specified in the Transaction Mapping subsystem.

Step 1: Access the Processing Subsystem

1. To access the Processing subsystem, select option **10** (Processing menu) on the GENMAIN menu and press **Enter**. Alternatively, you can access the Processing subsystem is to enter **GO GENPRC** on the command line and press **Enter**.

   The system displays the Gentran:Server Processing menu (GENPRC).

```
GENMAIN              Gentran:Server for iSeries Release 3.5
                                              System:    ISDDEV01
Select one of the following:

     1. Work with Partners
     2. Work with Application Definition
     3. Mapping Menu                        (GENMAP)
     4. Communications Menu                 (GENCOM)
     5. Work with Standards
     6. Work with Environment Control

     8. Audit Menu                          (GENAUD)
     9. Message Center Menu                 (GENMSG)
    10. Processing Menu                     (GENPRC)
    11. System Administration Menu          (GENSYS)
    12. Viewpoint Menu                      (GENVPT)
    13. Gentran File Tracking Menu          (GENFILETRK)
    14. Gentran:Server Search Index
                                                        More...
Selection or command
===> 10

F3=Exit   F4=Prompt   F9=Retrieve   F12=Cancel   F13=User Support
(C) COPYRIGHT Sterling Commerce Inc., 2008, ALL RIGHTS RESERVED.
```

2. To run inbound processing (PRCTRNIN), select **2** (Process Inbound Files) on the GENPRC menu and press **Enter**.

```
GENPRC               Gentran:Server Processing 3.5
                                              System:    ISDDEV01
Select one of the following:

     1. Process Outbound Files              (PRCTRNOUT)
     2. Process Inbound Files               (PRCTRNIN)
     3. Add Data to Queues                  (ADD)
     4. Extract Data from Queues            (EXTRACT)
     5. Inbound Split File Status Inquiry
     6. Standards Selective Download        (DWNSTD)
     7. Standards Selective Delete          (DLTSTD)
     8. Remove Gentran Work Members         (RMVGENMBR)
     9. Purge VAT Report Database           (PRGVAT)
    10. Retrieve VAT Report Database        (RTVVAT)
    11. Print VAT Reports                   (PRTVAT)
    12. TRADACOMS Standards Selective Download  (DWNSTDTC)
    13. Replace Characters                  (RPLCHARS)


Selection or command
===> 2

F3=Exit   F4=Prompt   F9=Retrieve   F12=Cancel   F13=User Support
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```

Step 2: Perform Inbound Processing

1. Enter **CN3BSC** in the Comm Profile ID field.

2. Enter the name of the application definition you created earlier (POINB) in the Application ID field and press **Enter** to submit the processing to batch.

3. Press **F12** (Cancel) until you return to the GENMAIN menu.

```
                 Process Transactions Inbound (PRCTRNIN)

Type choices, press Enter.

Comm Profile ID (Editor) . . . .   CN3BSC         *NONE, *ALL, Comm Profile Id
            + for more values
Application ID  (Mapper) . . . .   POINB          *NONE, *ALL, Application Id
            + for more values
Mapper Debug Report? . . . . . .   *NO            *YES, *NO
Clear Temporary Files? . . . . .   *YES           *YES, *NO
Acknowledgment Reports:
  Print Report?  . . . . . . . .   *NO            *YES, *NO
  Split File . . . . . . . . . .   00000          00000-00080, SLIDE
  Sub-Split File . . . . . . . .   00             00-80
Application File Member  . . . .   *FIRST         *FIRST, *UNIQUE
Replace Data in App. Files?  . .   *YES           *YES, *NO
Run Interactively? . . . . . . .   *NO            *YES, *NO




                                                                    Bottom
F3=Exit   F4=Prompt   F5=Refresh   F10=Additional parameters   F12=Cancel
F13=How to use this display        F24=More keys
```

Step 3:   Access the Message Center

1. To access the Message Center subsystem, select option **9** (Message Center menu) on the GENMAIN menu. Alternatively, you can directly access it by entering **GO GENMSG** on the command line.

```
GENMAIN              Gentran:Server for iSeries Release 3.5
                                                     System:   ISDDEV01
Select one of the following:

    1. Work with Partners
    2. Work with Application Definition
    3. Mapping Menu                        (GENMAP)
    4. Communications Menu                 (GENCOM)
    5. Work with Standards
    6. Work with Environment Control

    8. Audit Menu                          (GENAUD)
    9. Message Center Menu                 (GENMSG)
   10. Processing Menu                     (GENPRC)
   11. System Administration Menu          (GENSYS)
   12. Viewpoint Menu                      (GENVPT)
   13. Gentran File Tracking Menu          (GENFILETRK)
   14. Gentran:Server Search Index
                                                         More...
Selection or command
===> 9

F3=Exit   F4=Prompt   F9=Retrieve   F12=Cancel   F13=User Support
```

2. To access entries logged in the Message Center, select option **2** (Work with Message Center) from GENMSG.

```
GENMSG               Gentran:Server Message Center 3.5
                                                     System:   ISDDEV01
Select one of the following:

    1. Message Center Search Utility       (SLTMSG)
    2. Work with Message Center
    3. Message Center Configuration
    4. Print Message Center Entries Report  (PRTMSGCTR)
    5. Print Message Center Job Detail     (PRTMSGDTL)
    6. Purge Message Center Files          (PRGMSGCTR)
    7. Retrieve Message Center Files       (RTVMSGCTR)

   90. Sign off




Selection or command
===> 2

F3=Exit   F4=Prompt   F9=Retrieve   F12=Cancel   F13=User Support
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```

Step 4:   Display Message Center Details for Job

Jobs are shown in descending date/time sequence, so the PRCTRNIN job shown at the top of the list should be the job you just submitted.

1. Press **F6** (More/Less) to display the second line that shows the STS (Status) for the job. Once it shows **Complete**, the job is done. You may need to press **F5** to refresh until it has completed.

```
EDIX600                   Work with Message Center            EDI  04/30/08
FMT01              pgmlib: G3X5PGM    dtalib: G3X5DTA               12:00:00
                                                                   All Jobs
Position to  Date             Time
Type option (and Information), press Enter.
  4=Delete  5=Spooled Files  6=Print  7=Work Job  11=Job Detail

Opt Process                                Generation             Job
    Name         Cd Message                Date      Time  Job Name  Number
__  PRCTRNIN     00 Completed Normal  04-30-08   17:08:44 PRCTRNIN   173238
      User CB       Cmd Name PRCTRNIN    Sts Complete   Msg Seq#      180
__  PRCTRNIN     00 Completed Normal  04-30-08   17:50:49 PRCTRNIN   172087
      User CB       Cmd Name PRCTRNIN    Sts Complete   Msg Seq#      179
__  EXTRACT      00 Completed Normal  04-30-08   12:26:03 QPADEV0005 171898
      User TDM      Cmd Name EXTRACT     Sts Complete   Msg Seq#      178
__  EXTRACT      00 Completed Normal  04-30-08   12:25:59 QPADEV0005 171898
      User TDM      Cmd Name EXTRACT     Sts Complete   Msg Seq#      177
__  EXTRACT      00 Completed Normal  04-30-08   12:25:56 QPADEV0005 171898
      User TDM      Cmd Name EXTRACT     Sts Complete   Msg Seq#      176
                                                               More...
Parameters or command
===>
F1=Help  F6=More/Less  F12=Cancel  F15=Sort  F23=More Options  F24=More Keys
```

2. To access job detail, enter **11** beside the PRCTRNIN job at the top of the list and press **Enter**.

```
EDIX600                   Work with Message Center            EDI  04/30/08
FMT01              pgmlib: G3X5PGM    dtalib: G3X5DTA               12:00:00
                                                                   All Jobs
Position to  Date             Time
Type option (and Information), press Enter.
  4=Delete  5=Spooled Files  6=Print  7=Work Job  11=Job Detail

Opt Process                                Generation             Job
    Name         Cd Message                Date      Time  Job Name  Number
11  PRCTRNIN     04 Map None/Edt Info 04-30-08   15:58:48 QPADEV0005 171846
      User TDM      Cmd Name PRCTRNIN    Sts Complete   Msg Seq#      145
__  PRCTRNIN     12 Map None/Edt Susp 04-30-08   15:45:25 PRCTRNIN   171856
      User TDM      Cmd Name PRCTRNIN    Sts Complete   Msg Seq#      144
__  PRCTRNIN     04 Map None/Edt Info 04-30-08   15:32:27 QPADEV0005 171846
      User TDM      Cmd Name PRCTRNIN    Sts Complete   Msg Seq#      143
__  PRCTRNIN     04 Map None/Edt Info 04-30-08   15:29:11 QPADEV0005 171846
      User TDM      Cmd Name PRCTRNIN    Sts Complete   Msg Seq#      142
__  ADD          00 Completed Normal  04-30-08   15:16:29 QPADEV0005 171846
      User TDM      Cmd Name ADD         Sts Complete   Msg Seq#      141
                                                               More...
Parameters or command
===>
F1=Help  F6=More/Less  F12=Cancel  F15=Sort  F23=More Options  F24=More Keys
```

3. You can display detail information for errors by entering **5** beside an entry and pressing **Enter**.

```
EDIX601                 Message Center Job Inquiry           EDI  04/30/08
FMT01                                                             12:00:00

Process Name . . . . .  PRCTRNIN        Job Name . . . . .  QPADEV0005
Created Date . . . . .  04-30-08        Job Number . . . .  171846
Created Time . . . . .  15:58:48        User . . . . . . .  TDM
Return Code  . . . . .  04              Msg Seq# . . . . .       145
Type option (and Information), press Enter.
  5=Display  11=Audit  12=SLTAUD  13=EDI Monitor
                               Message
Opt Program   Cd Appl    Nbr Description
__  EBDI001   04          62 MISSING INDICATED MANDATORY ELEMENT.
__  EBDI001   04         706 MISSING INDICATED MANDATORY GROUP ELEMENT
5   EBDI002   04          62 MISSING INDICATED MANDATORY ELEMENT.
__  EDCL634   00             Paging auto-notify enabled; a failure occurred




                                                                Bottom
F1=Help  F3=Exit  F5=Refresh  F12=Cancel  F19=Spool File  F21=Print
```

4. Press **F12** (Cancel) until you return to the Work with Message Center panel.

```
EDIX601                 Message Center Job Inquiry             EDI  04/30/08
FMT02                                                               17:15:29
                            Program Information
From Program Name. . . EBDI002              User Return Code . . . . . . . 04
Message Number . . . .   62                 Gentran Return Code. . . . . . 04
Description  MISSING INDICATED MANDATORY ELEMENT.

                            Partner Information
Interchange Partner. . TDMTEST                       Qual
Interchange Control# . 000005                 S/R. . . . . . . . S
Group Partner. . . . . TDMTEST                       Qual
Group Cntl#. . . . . . 000005               Functional Group .
Trans Cntl#. . . . . . 00000000000005       Transaction Set. . CONTRL
Doc Info . . . . . . .
Version. . . . . . . . D  94B

                  Mapper/Editor/Communications Information
Segment/Element ID . . UCM  / 002           Record Number. . .       5
Additional Info. . . . SUBELEMENT- 4        Member Name. . . . M10372I
Application Name . . .                       Map Name . . . . .
Comm Profile ID. . . . CN3BSC               Batch Seq. . . . .     247

F1=Help  F12=Cancel  F16=Prev Rcd  F17=Next Rcd  F19=Spool File  F21=Print
```

Step 5:   Access Spooled Files for Job (Inbound Processing Reports)

You can directly access spooled files (reports) for the processing job from the Message Center or from the command line using the WRKSPLF command.

1. From the Message Center, enter **5** beside the PRCTRNIN job you ran and press **Enter**.

```
EDIX600                   Work with Message Center           EDI  04/30/08
FMT01            pgmlib: G3X5PGM    dtalib: G3X5DTA               12:00:00
                                                                 All Jobs
Position to  Date _____  Time _____
Type option (and Information), press Enter.
  4=Delete  5=Spooled Files  6=Print  7=Work Job  11=Job Detail

Opt Process                              Generation           Job
    Name           Cd Message          Date     Time  Job Name  Number
 ___ EXTRACT        00 Completed Normal  04-30-08 12:24:15 QPADEV0005 171898
 ___ EXTRACT        00 Completed Normal  04-30-08 12:22:30 QPADEV0005 171898
 ___ EXTRACT        00 Completed Normal  04-30-08 12:21:11 QPADEV0005 171898
 ___ PRCTRNIN       04 Map None/Edt Info 04-30-08 16:07:47 QPADEV0005 171846
 ___ PRCTRNIN       04 Map None/Edt Info 04-30-08 16:05:05 QPADEV0005 171846
 ___ PRCTRNIN       04 Map None/Edt Info 04-30-08 15:58:48 QPADEV0005 171846
 ___ PRCTRNIN       12 Map None/Edt Susp 04-30-08 15:45:25 PRCTRNIN   171856
  5_ PRCTRNIN       04 Map None/Edt Info 04-30-08 15:32:27 QPADEV0005 171846
 ___ PRCTRNIN       04 Map None/Edt Info 04-30-08 15:29:11 QPADEV0005 171846
 ___ ADD            00 Completed Normal  04-30-08 15:16:29 QPADEV0005 171846
                                                                 More...
Parameters or command
===>
F1=Help  F6=More/Less  F12=Cancel  F15=Sort  F23=More Options  F24=More Keys
```

2. To display a report, enter **5** beside a spooled file and press **Enter**.

```
                        Work with Job Spooled Files

Job:   QPADEV0005   User:  TDM         Number:   171846

Type options, press Enter.
  1=Send   2=Change   3=Hold   4=Delete   5=Display   6=Release   7=Messages
  8=Attributes        9=Work with printing status

                    Device or              Total   Current
Opt  File           Queue      User Data  Status  Pages    Page    Copies
 _   QPDZDTALOG     PRTHOLD               RDY       1                1
  5_ QPRINT         QPRINT     EBDI001    RDY       2                1
 _   QPRINT         QPRINT     EBDI002    RDY       1                1
 _   QPRINT         QPRINT     EBDI001    RDY       2                1
 _   QPRINT         QPRINT     EBDI002    RDY       1                1
 _   QPRINT         QPRINT     EBDI001    RDY       2                1
 _   QPRINT         QPRINT     EBDI011A   RDY       1                1
 _   QPRINT         QPRINT     EBDI002    RDY       1                1
 _   QPRINT         QPRINT     EBDI001    RDY       2                1
                                                                 More...
Parameters for options 1, 2, 3 or command
===>
F3=Exit  F10=View 3  F11=View 2  F12=Cancel  F22=Printers  F24=More keys
```

3. Press **F12** until you return to the GENMAIN menu.

```
                        Display Spooled File
File . . . . . :   QPRINT                    Page/Line   1/2
Control . . . . .                            Columns    1 - 78
Find . . . . . .
*...+....1....+....2....+....3....+....4....+....5....+....6....+....7....+...
 EBDI001   RUN 04/02/08   TIME 15:29:22      EDITOR INBOUND PROCESSING
 ERROR RECORD SEG ELT/COMP
 NUMBR NUMBER ID NBR   INFORMATION        ERROR MESSAGE
 INTERCHANGE  = TDMTEST                -        TYPE = UNB   C
           1 UNB              PARTNER DIRECTED OUTPUT   ID=MEDUNS
           1 UNB              PARTNER ACKNOWLEDGE       ID=TDMTEST
           1 UNB              ACKNOWLEDGEMENT INFO      INT=N    GROUP
           1 UNB              PARTNER VERIFICATION      ID=TDMTEST
 GROUP       = TDMTEST                 -        TYPE = !!!DFT C
           2 UNH              GROUP DIRECTED OUTPUT     ID=MEDUNS
           2 UNH              GROUP VERIFICATION        ID=TDMTEST
 TRANSACTION =                                  TYPE = ORDERS C
   62      2 UNH   2/ 4       MISSING INDICATED MANDATORY ELEMENT.
           2 UNH              TRANS DIRECTED OUTPUT     ID=MEDUNS
           2 UNH              TRANSACTION VERIFICATION  ID=TDMTEST
           2 UNH      CONTRL  TRANSACTION GENERATE      ID=TDMTEST
                                                                 More...
F3=Exit  F12=Cancel  F19=Left  F20=Right  F24=More keys
```

✎ NOTE

If you were unable to access reports, your environment profile might be set up to route reports to an active writer (hence, the reports would have already been printed). The reports can alternatively be accessed from the Work with Message Center panel using option **14** (EDI Monitor).

Step 6:   Access the Audit Subsystem

To access the Audit subsystem, select option **8** (Audit menu) on the GENMAIN menu and press **Enter**. Alternatively, you can access the Audit file from the Message Center. This example illustrates the selection from the main menu.

```
GENMAIN                 Gentran:Server for iSeries Release 3.5
                                                          System:    ISDDEV01
Select one of the following:

    1. Work with Partners
    2. Work with Application Definition
    3. Mapping Menu                       (GENMAP)
    4. Communications Menu                (GENCOM)
    5. Work with Standards
    6. Work with Environment Control

    8. Audit Menu                         (GENAUD)
    9. Message Center Menu                (GENMSG)
   10. Processing Menu                    (GENPRC)
   11. System Administration Menu         (GENSYS)
   12. Viewpoint Menu                     (GENVPT)
   13. Gentran File Tracking Menu         (GENFILETRK)
   14. Gentran:Server Search Index
                                                            More...
Selection or command
===> 8

F3=Exit   F4=Prompt   F9=Retrieve   F12=Cancel   F13=User Support
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```

The Audit subsystem enables you to see inbound and outbound documents that have been translated and determine if they have been acknowledged.

The first option, Audit Search Utility, is extremely useful for locating specific documents such as one particular invoice or all documents that have not been acknowledged or all purchase orders for a specific partner on a given date. The data must still reside in the communications queues to be selected for matching criteria.

```
GENAUD                    Gentran:Server Audit 3.5
                                                          System:    ISDDEV01
Select one of the following:

    1. Audit Search Utility              (SLTAUD)
    2. Work with Audit Interchange Status
    3. Work with Audit Group Status
    4. Work with Audit Transaction Status
    5. Print Audit Report                (PRTAUD)
    6. Print Network Status Report       (PRTNETSTS)
    7. Print Overdue Acknowledgments     (PRTOVRACK)

   10. Purge Audit File                  (PRGAUD)
   11. Purge Audit using Partner File Options  (AUDITPURGE)
   12. Purge Network Status File         (PRGNET)

   15. Retrieve Audit File               (RTVAUD)
   16. Retrieve Network Status File      (RTVNET)
                                                            More...
Selection or command
===>

F3=Exit   F4=Prompt   F9=Retrieve   F12=Cancel   F13=User Support
```

Options 2 through 4 on the Audit menu allow you to access all documents at a specific level according to the EDI standards (Interchange, Group or Transaction).

Step 7: Search for a Document

1. On the Audit menu, select option **1** (Audit Search Utility) and press **Enter**.

```
GENAUD                        Gentran:Server Audit 3.5
                                                    System:   ISDDEV01
Select one of the following:

     1. Audit Search Utility               (SLTAUD)
     2. Work with Audit Interchange Status
     3. Work with Audit Group Status
     4. Work with Audit Transaction Status
     5. Print Audit Report                 (PRTAUD)
     6. Print Network Status Report        (PRTNETSTS)
     7. Print Overdue Acknowledgments      (PRTOVRACK)

    10. Purge Audit File                   (PRGAUD)
    11. Purge Audit using Partner File Options  (AUDITPURGE)
    12. Purge Network Status File          (PRGNET)

    15. Retrieve Audit File                (RTVAUD)
    16. Retrieve Network Status File       (RTVNET)
                                                              More...
Selection or command
===> 1

F3=Exit   F4=Prompt   F9=Retrieve   F12=Cancel   F13=User Support
```

The Select Audit Records (SLTAUD) panel is displayed. In this example, you will search for an inbound document containing a specific purchase order number.

```
                    Select Audit Records (SLTAUD)

Type choices, press Enter.

Direction . . . . . . . . . . .   *IN          *IN, *OUT
Audit Level . . . . . . . . . .   *TRAN        *TRAN, *GROUP, *INT
Partner ID beginning with . . .   *ALL
Doc Info (eg PO#) containing . .   011200
Transaction ID beginning with .   *ALL         *ALL, value
Group ID beginning with . . . .   *ALL         *ALL, value
Acknowledgment status . . . . .   *ALL         *ALL, *UNACK, *ACK, *ERROR...
                + for more values
Older than or equal to . . . . .  *ALL         *ALL, age in days
From Date . . . . . . . . . . .   *BEGIN       *BEGIN, *CURRENT, Date
To Date . . . . . . . . . . . .   *END         *END, *CURRENT, Date
Output . . . . . . . . . . . . .  *            *, *OUTFILE, *PRINT



                                                              Bottom
F3=Exit   F4=Prompt   F5=Refresh   F10=Additional parameters   F12=Cancel
F13=How to use this display       F24=More keys
```

2. Enter ***IN** in the direction field (for Inbound).

3. Enter **011200** in the Doc Info field (for the PO number) and press **Enter**.

The Work with Selected Audit Records panel displays the results of the search. From this Work with panel, you can choose from various options to work with the documents that matched your selection criteria.

You can print the results, look at the actual EDI data, branch to the Audit entry and manually acknowledge or see the EDI data in an unwrapped view.

You may also choose to requeue the document with the ability to edit or modify the data so it can be processed again. This is useful if your partner sent bad data that needs to be corrected before being processed.

4. Enter **12** (EDI Data) in the option field next to any entry for Sweet Tea and press Enter.

```
EDIX259             Work with Selected Audit Records        04/30/08
FMT01            pgmlib: G3X5PGM   dtalib: G3X5DTA          12:00:00
              Direction: INBOUND    Audit Level: TRANSACTION

Type option (and Information), press Enter.
  6=Print EDI  11=Partner  12=EDI Data  13=Comm Queue  14=Audit  31=Requeue
                              Tran                            Comm
Opt Partner ID              Date     ID    Doc Info     Ack Profile Sts

 __   C13579              04-30-08   850   01120001      E  CN3BSC   PI
 __   C13579              04-30-08   850   01120030      E  CN3BSC   PI
 12   SWEET TEA           04-30-08   850   01120001      A  CN3BSC   PI
 __   SWEET TEA           04-30-08   850   01120030      E  CN3BSC   PI
 __   SWEET TEA           04-30-08   850   01120001      E  CN3BSC   PI
 __   123456789   C13579 04-30-08   850   01120001      A  CN3BSC   PI
 __   123456789   C13579 04-30-08   850   01120030      A  CN3BSC   PI



                                                            Bottom
Parameters or command
===>
F3=Exit  F6=Fold/Unfold  F9=Retrieve  F12=Cancel  F21=Print Results
```

The EDI data is displayed on the Inbound Queue Inquiry panel.

5. Press **F12** (cancel) until you return to the Audit menu.

```
EDIX408                   Inbound Queue Inquiry       EDI   04/30/08
                                                            12:00:00
Comm Profile Id . . CN3BSC             Line Number . . . . 000001
Profile Seq . . . . 000005             Status. . . . . . . PI
Date Received . . . 04-30-08           Batch Seq Number. . 0000010
Time Received . . . 11:09
Batch-Id. . . . . . POINB



ISA*00*       *00*        *01*TPDUNSID    *01*123456789    *991012*
1*U*00400*000000001*0*T*#?GS*PO*TPDUNSID *123456789*19991012*1500*000000001*X
4010?ST*850*0001?BEG*00*NE*01120001**19991012?N1*ST*XX**100?PO1**10*EA*5.12**
PART-123?PO1**30*DA*10.0**PI*PART-456?PO1**5*CA*8.25**PI*PART-789?CTT*3?SE*8*
1?ST*850*0002?BEG*00*NE*01120030**19991017?N1*ST**3*200?PO1**20*BX*9.5**PI*PA
123?PO1**500*CA*22.79**PI*PART-4?CTT*2?SE*7*0002?GE*2*000000001?IEA*1*0000000
ISA*00*       *00*        *01*TPDUNSID    *01*123456789    *991012*
1*U*00400*000000001*0*T*#?GS*PO*TPDUNSID *123456789*19991012*1500*000000001*X
4010?ST*850*000001?BEG*00*NE*01120001**19991012?N1*ST***100?PO1**10*EA*5.12**
PART-123?PO1**30*DA*10.0**PI*PART-456?PO1**5*CA*8.25**PI*PART-789?CTT*3?SE*8*
                                                            More...
F1=Help  F2=Hex  F5=Refresh  F12=Cancel  F17=Next Rcd
F19=Left  F20=Right  F21=Prt Dta
```

Step 8:   View Unwrapped EDI Data for a Partner

You can search for Partner data using the Audit Search Utility or by using one of the other three audit options on the menu. This example illustrates using the Work with Audit Interchange panel to access the partner's document to show the data in an unwrapped view

1. Select option **2** from the Audit menu to display the Work with Audit Interchange Status panel and press **Enter**.

```
GENAUD                        Gentran:Server Audit 3.5
                                                       System:   ISDDEV01
Select one of the following:

     1. Audit Search Utility              (SLTAUD)
     2. Work with Audit Interchange Status
     3. Work with Audit Group Status
     4. Work with Audit Transaction Status
     5. Print Audit Report                (PRTAUD)
     6. Print Network Status Report       (PRTNETSTS)
     7. Print Overdue Acknowledgments     (PRTOVRACK)

    10. Purge Audit File                  (PRGAUD)
    11. Purge Audit using Partner File Options  (AUDITPURGE)
    12. Purge Network Status File         (PRGNET)

    15. Retrieve Audit File               (RTVAUD)
    16. Retrieve Network Status File      (RTVNET)
                                                              More...
Selection or command
===> 2

F3=Exit   F4=Prompt   F9=Retrieve   F12=Cancel   F13=User Support
```
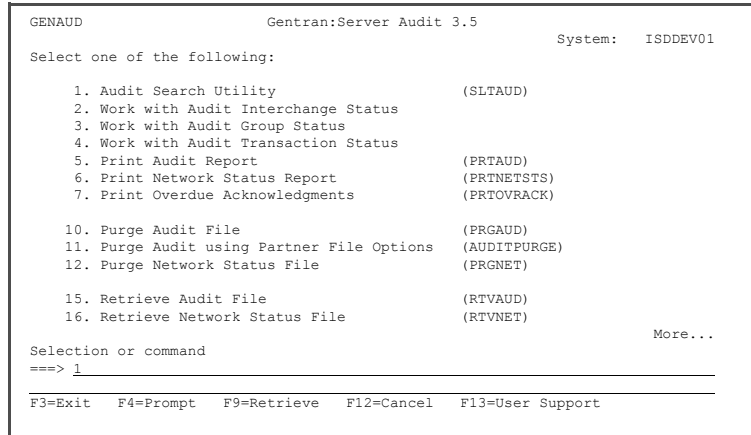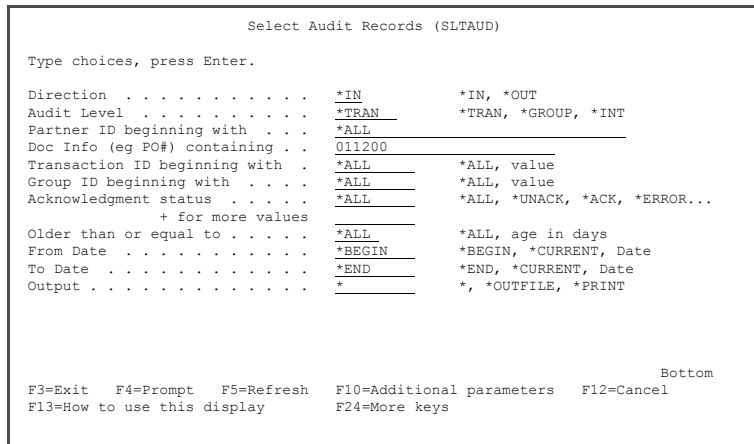
2. View the data for the partner you set up earlier, by entering **5** in the Option field next to Sweet Tea. Make sure you select the entry that has an **R** in the S/R (Send/Receive) column.

3. Press **Enter**.

```
EDIX251            Work with Audit Interchange Status      EDI  04/30/08
FMT01              pgmlib: G3X5PGM    dtalib: G3X5DTA            12:00:00

Position to Partner _____ Qual ____  Created _____

Type option (and Information), press Enter.
  4=Delete  5=View  6=Print EDI  12=Groups  13=Acknowledge  30=Print Audit
                                            S          Status     Created
Opt Interchange Partner        Qual R Control #       A/N/C   Date    Time

___   STERLING SFW   VENDOR-1        S 000000034     / /   04-30-08 08:00
___   SWEET TEA                      S 000000001     / /Q  04-30-08 14:28
___   SWEET TEA                      S 000000002     / /Q  04-30-08 14:28
5     SWEET TEA                      R 000000001     / /PI 04-30-08 14:27
___   TDMTEST                        S 234567        / /Q  04-30-08 16:08
___   TDMTEST                        S 000006        / /Q  04-30-08 16:05
___   TDMTEST                        S 000005        / /Q  04-30-08 15:59
___   TDMTEST                        R 00000000000005 A/ /RN 04-30-08 15:58
___   TPCOMPANY                      S 000000066     / /Q  04-30-08 14:22
                                                              More...
Parameters or command
===>
F1=Help  F3=Exit  F12=Cancel  F15=Sort  F23=More Options  F24=More Keys
```

The EDI data is displayed, as shown in the figure at right.

4. To see segment-level data, position the cursor on the desired segment and press Enter.

For now, move your cursor to the **BEG** line and press Enter.

```
EDIX451                EDI Interchange Inquiry        EDI    04/30/08
                                                              12:00:00
Interchange ID. . . . . SWEET TEA
Interchange Name. . . . SWEET TEA - tutorial partner      S/R.   R
Interchange Cntl# . . . 000000001     Batch/Prof Seq# . . .   10 / 5
Number of Groups. . .   000001        Ack Date/Time . . . .
Qual. . . . . . . . .                 Overdue Ack Date/Time
Acknowledge Stat. . . .               Char. Count . . . . . 00000000480
Batch ID. . . . . . . . POINB

ISA*00*        *00*        *01*TPDUNSID     *01*123456789     *991012*
1501*U*00400*000000001*0*T*#?
GS*PO*TPDUNSID *123456789*19991012*1500*000000001*X*004010?
ST*850*0001?
BEG*00*NE*01120001**19991012?
N1*ST*XX**100?
PO1**10*EA*5.12**PI*PART-123?
PO1**30*DA*10.0**PI*PART-456?
PO1**5*CA*8.25**PI*PART-789?
CTT*3?
                                                              More...
Enter=Segment  F1=Help  F11=More Inq  F12=Cancel  F21=Prt Dta  F22=Requeue
```

The data elements and their EDI Standard definitions are displayed in sequential order with the actual EDI data contained in the element (only the first 31 bytes are shown).

5. To view additional information about a data element, enter **1** in the Option field next to the selected element, and press **Enter**.

```
EDIX454                      Segment Inquiry              EDI    04/30/08
                                                                 12:00:00


Segment ID. . . . BEG   Transaction Code:  850
Version ID. . . . 004010

Type option, press Enter.
  1=Select
A  Seq  Ele  Description                   Element Data
_   01   00   TRANSACTION SET PURPOSE CODE   00
_   02   00   PURCHASE ORDER TYPE CODE      NE
1   03   00   PURCHASE ORDER NUMBER         01120001
_   05   00   DATE                          19991012

_

_

_

_
                                                              Bottom
F1=Help  F12=Cancel
```

The Data Element Definition panel (EDIX455) provides expanded information about individual data elements. This information is retrieved from the EDI Standards file.

6. Press **F12** (Cancel) once to return to the Segment Inquiry (EDIX454) panel.

```
EDIX455                  Data Element Definition          EDI    04/30/08
                                                                 12:00:00



Version ID. . . . . . . . . . 004010
Data Element ID . . . . . . . . 324
Description . . . . . . . . . . PURCHASE ORDER NUMBER

Element Type. . . . . . . . . . AN
Minimum Length. . . . . . . . . 01
Maximum Length. . . . . . . . . 022
Cobol Name. . . . . . . . . . . PURCHASE-ORDER-NUMBER
Composite Code Definition . . .





F1=Help  F12=Cancel
```

7. To view the definition for the description of code values for the individual data element, enter 2 in the selected element and press **Enter**.

```
EDIX454                      Segment Inquiry              EDI    04/30/08
                                                                 12:00:00


Segment ID. . . . BEG   Transaction Code:  850
Version ID. . . . 004010

Type option, press Enter.
  1=Select  2=View Codes
A  Seq  Ele  Description                   Element Data
2   01   01   TRANSACTION SET PURPOSE CODE   00
_   02   00   PURCHASE ORDER TYPE CODE      NE
_   03   00   PURCHASE ORDER NUMBER         01120001
_   05   00   DATE                          1991012

_

_

_
                                                              Bottom
F1=Help  F12=Cancel
```

The Data Code Element
Code Definition (EDIX456)
panel is displayed.

8. Press **F12** (Cancel) until you
   return to the GENMAIN
   menu.

```
EDIX456                 Data Element Code Definition              EDI 04/30/08
CTL01                                                                 12:00:00

Version ID . . . . . . . . . . .  004010
Data Element ID. . . . . . . . .  0353

Minimum Length . . . . . . . . .     2
Maximum Length . . . . . . . . .     2
Element Data . . . . . . . . . .  00

Position to Code . . . . . . . .  _____

Composite/
Code          Description
_ CN_____  COMPLETION NOTIFICATION_____
_ CO_____  CORRECTED_____
_ EX_____  FINAL LOADING CONFIGURATION_____
_ GR_____  GRANTED_____
_ PR_____  PROPOSED LOADING CONFIGURATION_____
_ RH_____  RELEASE HOLD_____
_ RV_____  REVISED LOADING CONFIGURATION_____
                                                                   More...
F1=Help  F4=Prompt  F5=Refresh  F12=Cancel
```

Step 9:   Access EDI Monitor Reports

There are several ways to review the reports after processing has completed. Reports can be accessed from the Message Center (access spooled files), directly from the iSeries output queues (WRKSPLF), and from the EDI Monitor within Gentran.

The EDI Monitor stores a copy of the Processing reports if the global parameter is set up to do so. This can be a good way to access a report that is no longer on the iSeries system.

✍ **NOTE**

The EDI Monitor can also be directly accessed for the job from the Message Center.

To access the EDI Monitor function:

1. Select option **11** (Gentran:Server System Administration) on the GENMAIN menu and press **Enter**.

```
GENMAIN               Gentran:Server for iSeries Release 3.5
                                                    System:   ISDDEV01
Select one of the following:

      1. Work with Partners
      2. Work with Application Definition
      3. Mapping Menu                       (GENMAP)
      4. Communications Menu                (GENCOM)
      5. Work with Standards
      6. Work with Environment Control

      8. Audit Menu                         (GENAUD)
      9. Message Center Menu                (GENMSG)
     10. Processing Menu                    (GENPRC)
     11. System Administration Menu         (GENSYS)
     12. Viewpoint Menu                     (GENVPT)
     13. Gentran File Tracking Menu         (GENFILETRK)
     14. Gentran:Server Search Index

                                                          More...
Selection or command
===> 11

F3=Exit   F4=Prompt   F9=Retrieve   F12=Cancel   F13=User Support
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```

2. Select option **3** (Work with EDI Monitor) on the GENSYS menu and press **Enter**.

```
GENSYS            Gentran:Server System Administration 3.5
                                                    System:   ISDDEV01
Select one of the following:

      1. Global Parameters
      2. Work with Job Scheduler
      3. Work with EDI Monitor
      4. Work with Network Command Interface
      5. Work with Batch Error Message File
      6. Set TELEKOM Network Processing Parameters   (SETTELEKOM)
      7. Display Current Point Release               (PTR)

     10. System Configuration Menu                   (GENSYSCFG)

     90. Sign off




Selection or command
===> 3

F3=Exit   F4=Prompt   F9=Retrieve   F12=Cancel   F13=User Support
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```

To view a report:

3. Enter **5** (View) in the Option field next to the process name EBDI01 and press **Enter**.

```
EDIX310                    Work with EDI Monitor                EDI 04/30/08
FMT01             pgmlib: G3X5PGM    dtalib: G3X5DTA                 12:00:00

Position to Generation Date. . . .           Generation Time. . . .

Type option (and Information), press Enter.
  5=View  6=Print

           Generation     Process      Job             Address
Opt     Date       Time   Name   Status Number    Control    Detail
    04-30-08    16:08:01 EBDI02    I   0171846       607      4260
5   04-30-08    16:07:51 EBDI01    I   0171846       606      4212
    04-30-08    16:05:18 EBDI02    I   0171846       605      4178
    04-30-08    16:05:08 EBDI01    I   0171846       604      4130
    04-30-08    15:59:01 EBDI02    I   0171846       603      4096
    04-30-08    15:58:51 EBDI01    I   0171846       602      4051
    04-30-08    15:45:32 EBDI02    I   0171856       601      4030
    04-30-08    15:45:27 EBDI01    I   0171856       600      3982
    04-30-08    15:32:44 EBDI02    I   0171846       599      3948
                                                                     More...
Parameters or command
===>
F1=Help  F3=Exit  F12=Cancel  F15=Sort  F24=More Keys
```

The EDI Monitor Inquiry panel is shown at right. The job number and process name shown at the top of the panel are the key fields identifying this report in the EDI Monitor file.

You can page through the report or scroll the report to the right or left to display lines that are longer than 76 characters. A plus symbol (+) indicator appears at the end of a line that contains additional data.

```
EDIX311                    EDI Monitor Inquiry                  EDI 04/30/08
CTL01                                                              12:00:00

Job Number . . . . . . . . . . . 0171846
Process Name . . . . . . . . . . EBDI01


 EBDI001    RUN 04-30-08     TIME 16:07:50     EDITOR INBOUND PROCESSING+
 ERROR RECORD SEG ELT/COMP                                              +
 NUMBR NUMBER ID  NBR    INFORMATION        ERROR MESSAGE               +
                                                                        +
 INTERCHANGE = TDMTEST                    -           TYPE = UNB        +
           1 UNB              PARTNER DIRECTED OUTPUT  ID=MEDUNS        +
           1 UNB              PARTNER ACKNOWLEDGE      ID=TDMTEST       +
           1 UNB               ACKNOWLEDGEMENT INFO    INT=N     GROU+
           1 UNB              PARTNER VERIFICATION     ID=TDMTEST       +
 GROUP       = TDMTEST                    -           TYPE = !!!DFT +
           2 UNH              GROUP DIRECTED OUTPUT    ID=MEDUNS        +
           2 UNH              GROUP VERIFICATION       ID=TDMTEST       +
 TRANSACTION =                                        TYPE = ORDERS +
                                                                  More...

F1=Help  F12=Cancel  F19=Left  F20=Right  F24=More Keys
```

4. When you are finished viewing the report, press **F12** (Cancel) to return to the Work with EDI Monitor panel.

Step 10: Print EDI Monitor Reports

All Inbound and Outbound batch processing reports can be printed from the EDI Monitor.

1. To print reports, enter **6** in the Option field next to the selected report(s), and press **Enter**.

2. The system copies the report file to a spool file in the user's default output queue, as defined in the user's Gentran:Server profile. Reports are not deleted from the EDI Monitor file when they are printed, so they can be printed again.

```
EDIX310                    Work with EDI Monitor                EDI 04/30/08
FMT01              pgmlib: G3X5PGM    dtalib: G3X5DTA               12:00:00

Position to Generation Date. . . . _____  Generation Time. . . . _____

Type option (and Information), press Enter.
  5=View   6=Print

             Generation      Process        Job          Address
Opt    Date         Time     Name   Status Number   Control   Detail
6_   04-30-08    16:08:01 EBDI02    I   0171846      607       4260
6_   04-30-08    16:07:51 EBDI01    I   0171846      606       4212
6_   04-30-08    16:05:18 EBDI02    I   0171846      605       4178
__   04-30-08    16:05:08 EBDI01    I   0171846      604       4130
__   04-30-08    15:59:01 EBDI02    I   0171846      603       4096
__   04-30-08    15:58:51 EBDI01    I   0171846      602       4051
__   04-30-08    15:45:32 EBDI02    I   0171856      601       4030
__   04-30-08    15:45:27 EBDI01    I   0171856      600       3982
__   04-30-08    15:32:44 EBDI02    I   0171846      599       3948
                                                                    More...
Parameters or command
===> _____
F1=Help  F3=Exit  F12=Cancel  F15=Sort  F24=More Keys
```

You have now completed the inbound portion of the ANSI tutorial. Press **F12** (Cancel) until you return to the GENMAIN menu.

Where to go next: You can go on to Chapter 7, "Outbound Overview," to continue with the outbound portion of the tutorial (if you have not already done so), or you can sign off the system (Option 90 on the GENMAIN menu)

7 Outbound Overview

In this outbound exercise, you will set up your Gentran:Server system to send invoices to Sweet Tea. In this exercise, you will accomplish the following:

➢ Set up a trading partner.

➢ Create an application definition that tells Gentran:Server how to interface with your application.

➢ Create a transaction map that will give Gentran:Server the necessary pointers for the data translation between your application and EDI data.

➢ Perform outbound data processing and view the resulting reports generated.

This exercise is not intended to show you all of the Gentran:Server features, but to show you how it is possible to set the system up and get it running quickly. That is why you will sometimes be asked to only fill in required fields on panels.

Assumptions

In this case scenario, assume the following information is being requested by your partner (Sweet Tea) for inclusion on the electronic invoices:

- Invoice Date
- Invoice Number
- Purchase Order date
- Purchase Order number
- Remit To name and address
- Ship To name
- Quantity Invoiced
- Unit of Measure
- Unit price
- Product UPC number
- Vendor product ID
- Total invoice amount
- Item count

The following is a sample of the paper invoice sent by your company along with the EDI equivalents for each component. (You will be using ANSI X12 standard 004010 for your data.) In this exercise, you will be generating the EDI data during translation.

Interchange (ISA)

Group (GS)

Transaction (ST)

INVOICE

Inv #: INV123	PO No: PO123
Inv Date: 04/30/08	PO Date: 04/30/08
Bill To:	Ship To:
SWEET TEA, INC.	SWEET TEA, INC.
P.O. Box 3547	P.O. Box 3547
Denver, CO 12345-0001	Denver, CO 12345-0001
(456) 555-1234	(456) 555-1234
Bill of Lading:	Terms
Pro #: 2% 10 Net 30	

Comments: Remit to corporate billing office
Thank you

Remit To: Corporate Billing Office
Mycompany, Inc.
123 Candy Drive
P.O. Box 1234
Dublin, OH 43017-0760
(123) 555-5555

Header

```
BIG*20080430*INV123*20080430*PO123?
NTE*GEN*REMIT TO CORPORATE BILLING OFFICE?
NTE*GEN*THANK YOU?
N1*RE*CORPORATE BILLING OFFICE?
N3*123 CANDY DR.*P. O. BOX 1234?
N4*DUBLIN*OH*430170760?
N1*ST*TP DIV 1*92*940?
```

Qty	Item #	Description	Unit Price	Total
150	403599	1000 sheets filter paper	1.10	165.00
5	800401	100 lb tea leaves	10.20	51.00

Detail

```
IT1*1*150*EA*1.1**UP*8810932U3230*VP*403599?
IT1*2*5*EA*10.2**UP*123456789AXY*VP*800401?
```

Routing:UPS

Invoice Total: $ 216.00
Total Qty Shipped: 155

Summary

```
TDS*21600?
CTT*2*155?
```

Transaction (SE)

Group (GE)

Interchange (IEA)

Signing On to the Gentran System

If you are already signed on to the system and accessing the tutorial library, continue with Chapter 8.

1. Sign on to the iSeries using your iSeries user ID. If you do not have a user ID, see your System Administrator before continuing.

2. To access Gentran, enter **GO GENMAIN** on the command line and press **Enter**.

3. A user profile should have been created for you in the Environment Control subsystem in Gentran. To verify that you have access, select option **1** (Work with Partners) on the GENMAIN menu.

4. If you do not have access, see your System Administrator to get a profile created in Environment Control. If you were able to access Work with Partners, press **F12** (Cancel) to return to GENMAIN.

✍ NOTE

Your library list should have the following libraries: QTEMP, QGPL, G3X5SAMP (tutorial library), G3X5DTA (data library), G3X5PGM (program library). If you were unable to access the GENMAIN menu, see your System Administrator to help you set up your library list.

Where to go next: Go to Chapter 8, "Setting up a Partner," and follow the step-by-step instructions.

Chapter

8 Setting Up a Partner

In this Chapter

In this chapter, you will perform the following tasks to set up your trading partner, Sweet Tea:

➢ Creating a Partner ID

➢ Adding Partner Groups

➢ Adding Partner Transactions

➢ Updating Name and Address Information

➢ Adding Partner Cross References

What is a Partner?

In EDI, anyone to whom you transfer documents is called your 'trading partner.' Trading partners may include your customers or vendors. You can think of the trading partner subsystem as a Rolodex that holds all the information about your trading partner(s).

If you mail a document to your trading partner, you need to know the destination address and where that information is stored. The same type of information is needed by Gentran:Server when the document is sent electronically. Gentran:Server requires that you define a unique 'profile' for each partner with whom you exchange EDI documents. Setting up a 'partner profile' identifies key characteristics of your EDI environment and your partner's environment associated with how the mail is sent and where it is sent.

Most of the information you will be setting up for the partner will be used to generate the envelopes illustrated in the sample invoice in Chapter 7, "Outbound Overview."

Step 1: Create the Partner ID

The trading partner ID and partner qualifier form a unique identifier for the partner profile. You may use any alphanumeric value for the partner ID. Typically, users choose an easily recognizable reference, such as a company name.

1. Select option **1** (Work with Partners) on the GENMAIN menu and press **Enter** to access the Work with Partners subsystem.

```
GENMAIN              Gentran:Server for iSeries Release 3.5
                                                    System:   ISDDEV01
Select one of the following:

     1. Work with Partners
     2. Work with Application Definition
     3. Mapping Menu                     (GENMAP)
     4. Communications Menu              (GENCOM)
     5. Work with Standards
     6. Work with Environment Control

     8. Audit Menu                       (GENAUD)
     9. Message Center Menu              (GENMSG)
    10. Processing Menu                  (GENPRC)
    11. System Administration Menu       (GENSYS)
    12. Viewpoint Menu                   (GENVPT)
    13. Gentran File Tracking Menu       (GENFILETRK)
    14. Gentran:Server Search Index
                                                              More...
Selection or command
===> 1


F3=Exit   F4=Prompt   F9=Retrieve   F12=Cancel   F13=User Support
```

2. On the Work with Partners panel, enter **1** in the Option field on the key entry line.

3. Enter the partner ID **SWEET TEA** in the Partner ID field on the key entry line. If SWEET TEA already exists, add your initials to the partner ID.

4. Press **Enter**.

   The Partner Control panel is displayed.

```
EDIX005                  Work with Partners              EDI 04/30/08
FMT01            pgmlib: G3X5PGM    dtalib: G3X5DTA           12:00:00

Position to Partner ID . . . . . .  _____  Qual _____

Type option (and Information), press Enter.
  1=Create  2=Revise  3=Copy  4=Delete  5=View  6=Print  7=Rename  11=Groups

Opt Partner ID              Qual Partner Name
1_  SWEET TEA               ____
__  !GENTRAN-RESERVED-PARTNER-ID-1    Global Reserved Partner
__  AAA WAREHOUSE CO 11      01  Arnold/Allen/Atwell Warehouse
__  BG-PARTNER                    Example of a BG Partner
__  COFFEE                        COFFEE DIST (INB ORDER-OUT INVOIC)
__  COFFEE DIST                   COFFEE DIST - Tutorial Partner
__  C13579                        International Parts & Service
__  C24680                        C24680
__  ICS-PARTNER                   Example of an ICS Partner
__  INSPARTNER                    INSPARTNER
                                                             More...
Parameters or command
===>
F1=Help  F3=Exit  F12=Cancel  F15=Sort  F23=More Options  F24=More Keys
```

5. Enter **ISA** in the Interchange Header Option field. Optionally, you can press **F4** (Prompt) to select from a list of values.

6. Enter **CN3BSC** in the Comm Profile ID field. Optionally, you can press **F4** to prompt the list.

7. Press **Enter** to advance to the next panel.

```
EDIX012                  Partner Control               EDI 04/30/08
FMT01                                                       12:00:00

Partner ID . . . . . . . . . . .  SWEET TEA
Partner Qualifier. . . . . . . .
Partner Name . . . . . . . . . .  *** NAME NOT ON FILE ***
Division . . . . . . . . . . . .  000
Interchange Header Option. . . .  ISA
Last Incoming Sequence Number. . .
GS Sender ID Qualifier . . . . .  N
GS Receiver ID Qualifier . . . .  N
Expect a TA1, AC1, or UCI. . . .  N
Acknowledge Interchange. . . . .  N
Acknowledge Group or Trans . . .  T
Acknowledge Errors . . . . . . .  N
Purge Acknowledged . . . . . . .  N
Purge Reported . . . . . . . . .  N
Purge Older Than Days. . . . . .  ___
Last Incoming BG Password . . . .            Set 209 Errors . . . N
Comm Profile ID. . . . . . . . .  CN3BSC     Group Profile ID . . N
Last Incoming UNB/STX Seq. No. . .            Update Allowed . . . Y


F1=Help  F4=Prompt  F10=Update  F12=Cancel  F24=More Keys
```

8. Enter **01** in the Sender ID Qual field.

9. Enter **MYDUNS** in the Sender ID field.

10. Enter **01** in the Receiver ID Qual field.

11. Enter **TPDUNSID** in the Receiver ID field.

12. Enter **U** in the Control Standards ID field.

13. Enter **00400** in the Version field.

```
EDIX012                      Partner Control                    EDI 04/30/08
FMT05                                                              12:00:00

Partner ID . . . . . . . . . . . .  SWEET TEA
Partner Qualifier. . . . . . . . .
Partner Name . . . . . . . . . . .  *** NAME NOT ON FILE ***

Outbound envelope information for ISA segment
Authorization Qual . . . . .  ISA01 00  Authorization. . ISA02
Security Code Qual . . . . .  ISA03 00  Security Code. . ISA04
Sender ID Qual . . . . . . .  ISA05 01  Sender ID. . . . ISA06 MYDUNS
Receiver ID Qual . . . . . .  ISA07 01  Receiver ID. . . ISA08 TPDUNSID
Control Standards ID . . . . .ISA11 U or Hex E4
Version. . . . . . . . . . .  ISA12 00400
Use. . . . . . . . . . . . . .  D
Control Number . . . . . . .  ISA13 000000002
Ack Requested. . . . . . . .  ISA14 0 (1=Yes,0=No)
Subelement Separator . . . .  ISA16 > or Hex 6E
Element Separator. . . . . . . . .  * or Hex 5C
Segment Terminator . . . . . . . .    or Hex 15



F1=Help  F4=Prompt  F10=Update  F12=Cancel  F24=More Keys
```

14. Leave the values shown in the Control Number, Ack Requested, Subelement Separator, Element Separator and Segment Terminator fields.

15. Press **F10** (Update) to create the partner and to return to the Work with Partners panel.

Step 2:   Add Partner Groups

When the partner was created in the previous task, a default partner group record !!!DFT was also created. You can customize the group default values to replace the generic values. During this task, you will create three groups for this partner: IN (outbound invoices), PO (inbound purchase orders), and FA (functional acknowledgments). This is primarily required to generate the outbound group envelope that is required by the standards.

First, create the functional group ID 'IN.'

1. Enter **11** in the Option field beside the partner you created in the last step (Sweet Tea) on the Work with Partners panel and press **Enter**.

```
EDIX005                    Work with Partners              EDI 04/30/08
FMT01              pgmlib: G3X5PGM     dtalib: G3X5DTA        12:00:00

Position to Partner ID . . . . . . _____  Qual _____

Type option (and Information), press Enter.
  1=Create  2=Revise  3=Copy  4=Delete  5=View  6=Print  7=Rename  11=Groups

Opt Partner ID                 Qual Partner Name
 __  ISA-PARTNER                    Example of an ISA Partner
 __  MODEL                          MODEL (to set up new partners)
 __  MYCOMPANY                      MYCOMPANY (for inbound splitting)
 __  STX-PARTNER                    Example of a STX Partner
 11  SWEET TEA                      SWEET TEA - tutorial partner
 __  SWEET TEA MZ                   SWEET TEA MZ
 __  TDMTEST                        TDMTEST
 __  TPCOMPANY                      Trading Partner Example Company
 __  TRADANET                       TRADANET
                                                              More...
Parameters or command
===>
F1=Help  F3=Exit  F12=Cancel  F15=Sort  F23=More Options  F24=More Keys
```

2. Enter **1** in the Option field on the key entry line.

3. Enter the functional group code **IN** in the Group ID field and press **Enter**. Optionally, you can press **F4** (Prompt) to see a list of groups as defined by the standards.

```
EDIX030                 Work with Partner Groups           EDI 04/30/08
FMT01              pgmlib: G3X5PGM     dtalib: G3X5DTA        12:00:00

Position to Group ID . . . . . _____  For SWEET TEA

Type option (and Information), press Enter.
  1=Create  2=Revise  3=Copy  4=Delete  5=View  11=Transactions

Opt Group ID
 1   IN_____
 __  !!!DFT




                                                              Bottom
Parameters or command
===>
F1=Help  F3=Exit  F12=Cancel  F15=Sort  F24=More Keys
```

Next, enter the functional group information for IN.

```
EDIX031                    Partner Group              EDI 04/30/08
FMT01                                                 12:00:00

Partner ID . . . . . . . . . . .  SWEET TEA
Partner Qualifier. . . . . . . . .
Partner Name . . . . . . . . . .  SWEET TEA - tutorial partner
Group ID . . . . . . . . . . . .  IN

Compliance Version . . . . . . . . 004010
Compliance Version Use . . . . . .
Accept Group Inbound . . . . . . .
Send Group Outbound. . . . . . . . Y
Group Ack Trans. . . . . . . . . .
Expect an AK1, B5 or UCF . . . . .
Last Incoming Control Number . . .
Comm Profile ID. . . . . . . . . . *INT
Acknowledge Specific Group . . . . Y




F1=Help  F4=Prompt  F10=Update  F12=Cancel  F24=More Keys
```

4. Enter the Standard Version **004010** in the Compliance Version field. Optionally, you can press **F4** (Prompt) to choose from a list of versions.

5. Enter **Y** in the Send Group Outbound field.

6. Enter **Y** in the Acknowledge Specific Group field to generate a functional acknowledgement for this group. Otherwise, enter **N**, and then press **Enter** to advance to the next panel.

Enter outbound group information for 'IN.'

```
EDIX031                    Partner Group              EDI 04/30/08
FMT04                                                 12:00:00

Partner ID . . . . . . . . . . .  SWEET TEA
Partner Qualifier. . . . . . . . .
Partner Name . . . . . . . . . .  SWEET TEA - tutorial partner
Group ID . . . . . . . . . . . .  IN

Outbound envelope information for GS segment
Functional Group ID. . . . . . GS01 IN
Applications Senders Code. . . GS02 MYDUNS
Applications Receivers Code. . GS03 TPDUNSID
Control Number . . . . . . . . GS06 000000000
Responsible Agency Code. . . . GS07 X
Version. . . . . . . . . . . . GS08
Transaction Segment ID . . . . . .
Transaction Control Number . . . .



F1=Help  F4=Prompt  F10=Update  F12=Cancel  F24=More Keys
```

7. Enter **MYDUNS** in the Applications Senders Code field.

8. Enter **TPDUNSID** in the Applications Receivers Code field.

9. Enter **0** (zero) in the Control Number field and press the **Field Exit** key to zero-fill the field. Alternatively, you can enter all zeros in the field.

10. Enter **X** in the Responsible Agency Code field.

11. You can leave the version (GS08) field blank and the compliance version from the first screen will be used.

12. Press **F10 (Update)** to create the group ID and to return to the Work with Partner Groups panel.

Next, you will create the PO group by using the Copy feature.

13. Enter **3** in the Option field
next to Group ID 'IN' and
press **Enter**.

```
EDIX030                  Work with Partner Groups            EDI 04/30/08
FMT01              pgmlib: G3X5PGM      dtalib: G3X5DTA           12:00:00

Position to Group ID . . . . .  _____  For SWEET TEA

Type option (and Information), press Enter.
  1=Create  2=Revise  3=Copy  4=Delete  5=View  11=Transactions

Opt Group ID

 __   !!!DFT
 3    IN




                                                                  Bottom
Parameters or command
===>  _____
F1=Help  F3=Exit  F12=Cancel  F15=Sort  F24=More Keys
Create Operation Successful.
```

14. In the Copy To pop-up
window, enter the functional
group ID **PO** in the Copy To
field and press **Enter**.

```
EDIX030                  Work with Partner Groups            EDI 04/30/08
FMT01              pgmlib: G3X5PGM      dtalib: G3X5DTA           12:00:00

Position to Group ID . . . . .  _____  For SWEET TEA

Type option (and Information), press Enter.
  1=Create  2=Revise  3=Copy  4=Delete  5=View  11=Transactions

Opt Group ID

 __   !!!DFT
      ┌──────────────────────────────────────────────┐
 3    │ IN                                             │
      │                                                │
      │  Copy To                                       │
      │  PO____                                        │
      │  F3=Exit  F12=Cancel                           │
      └──────────────────────────────────────────────┘
                                                                  om
Parameters or command
===>  _____
F1=Help  F3=Exit  F12=Cancel  F15=Sort  F24=More Keys
Create Operation Successful.
```

15. On the Partner Group panel,
enter **Y** in the Accept Group
Inbound field and **N** in the
Send Group Outbound field.

16. Press **F10** (Update) to
complete the copy and
return to the Work with
Partner Groups panel.

```
EDIX031                     Partner Group                   EDI 04/30/08
FMT01                                                            12:00:00

Partner ID . . . . . . . . . . .  SWEET TEA
Partner Qualifier. . . . . . . .
Partner Name . . . . . . . . . .  SWEET TEA
Group ID . . . . . . . . . . . .  PO

Compliance Version . . . . . . .  004010
Compliance Version Use . . . . .  _
Accept Group Inbound . . . . . .  Y
Send Group Outbound. . . . . . .  N
Group Ack Trans. . . . . . . . .  _____
Expect an AK1, B5 or UCF . . . .  _
Last Incoming Control Number . .
Comm Profile ID. . . . . . . . .  *INT
Specific Group Ack . . . . . . .  Y




F1=Help  F4=Prompt  F10=Update  F12=Cancel  F24=More Keys
```

Next, you will create the FA Group (Acknowledgements) using the Copy feature again.

17. Enter **3** in the Option field next to Group ID 'IN' and press **Enter**.

```
EDIX030                    Work with Partner Groups              EDI 04/30/08
FMT01                  pgmlib: G3X5PGM     dtalib: G3X5DTA          12:00:00

Position to Group ID . . . . .  _____  For SWEET TEA

Type option (and Information), press Enter.
  1=Create  2=Revise  3=Copy  4=Delete  5=View  11=Transactions

Opt Group ID

 __   !!!DFT
 3    IN
 __   PO




                                                                    Bottom
Parameters or command
===>  _____
F1=Help  F3=Exit  F12=Cancel  F15=Sort  F24=More Keys
```

18. In the pop-up window, enter **FA** in the Copy To field and press **Enter**.

```
EDIX030                    Work with Partner Groups              EDI 04/30/08
FMT01                  pgmlib: G3X5PGM     dtalib: G3X5DTA          12:00:00

Position to Group ID . . . . .  _____  For SWEET TEA

Type option (and Information), press Enter.
  1=Create  2=Revise  3=Copy  4=Delete  5=View  11=Transactions

Opt Group ID

 __   !!!DFT
 3    IN
 __   PO

      Copy To
      FA____
      F3=Exit  F12=Cancel

                                                                    Bottom
Parameters or command
===>  _____
F1=Help  F3=Exit  F12=Cancel  F15=Sort  F24=More Keys
```

19. On the Partner Group panel, enter **Y** in the Accept Group Inbound field and leave the **Y** in the Send Group Outbound field

20. Press **F10** (Update) to advance to the next panel.

21. Press **F10** (Update) again to complete the copy and return to the Work with Partner Groups panel.

```
EDIX031                         Partner Group                   EDI 04/30/08
FMT01                                                              12:00:00

Partner ID . . . . . . . . . . . .  SWEET TEA
Partner Qualifier. . . . . . . . .
Partner Name . . . . . . . . . .  SWEET TEA
Group ID . . . . . . . . . . . .  FA

Compliance Version . . . . . . . .  004010
Compliance Version Use . . . . . .  _
Accept Group Inbound . . . . . . .  Y
Send Group Outbound. . . . . . . .  Y
Group Ack Trans. . . . . . . . . .  _____
Expect an AK1, B5 or UCF . . . . .  _
Last Incoming Control Number . . .  _____
Comm Profile ID. . . . . . . . . .  *INT
Specific Group Ack . . . . . . . .  Y




F1=Help  F4=Prompt  F10=Update  F12=Cancel  F24=More Keys
```

Step 3:   Add Partner Transactions

When the new partner was initially created, a default partner transaction record '!!!DFT' was also created. You can customize the transaction default values to replace the generic values provided. During this task, you will create three transactions for this partner: 810 (invoices), 850 (purchase orders), and 997 (acknowledgments).

First, create transaction ID 810 (invoices).

1. On the Work with Partner Groups panel, enter **11** in the Option field on the key entry line and press **Enter**.

```
EDIX030                 Work with Partner Groups           EDI 04/30/08
FMT01               pgmlib: G3X5PGM    dtalib: G3X5DTA          12:00:00

Position to Group ID . . . . .  _____  For SWEET TEA

Type option (and Information), press Enter.
  1=Create  2=Revise  3=Copy  4=Delete  5=View  11=Transactions

Opt Group ID
11  _____
__   !!!DFT
__   FA
__   IN
__   PO




                                                             Bottom
Parameters or command
===>
F1=Help  F3=Exit  F12=Cancel  F15=Sort  F24=More Keys
Create Operation Successful.
```

2. On the Work with Partner Transactions panel, enter **1** in the Option field on the key entry line.

3. Enter **810** in the Tran ID field and press **Enter**.

```
EDIX040               Work with Partner Transactions        EDI 04/30/08
FMT01               pgmlib: G3X5PGM    dtalib: G3X5DTA          12:00:00

Position to Tran ID _____  For SWEET TEA

Type option (and Information), press Enter.
  1=Create  2=Revise  3=Copy  4=Delete  5=View

Opt Tran ID In Map    Out Map
1   810  _____
__   !!!DFT






                                                             Bottom
Parameters or command
===>
F1=Help  F3=Exit  F12=Cancel  F15=Sort  F24=More Keys
```

Enter the transaction set information for transaction ID '810':

4. Enter **Y** in the Send
    Transaction Outbound field.

5. Enter N in the Acknowledge
    Specific Trans field and
    press **Enter** to advance to
    the second Partner
    Transaction panel.

```
EDIX041                    Partner Transaction              EDI  04/30/08
FMT01                                                             12:00:00

Partner ID . . . . . . . . . . .   SWEET TEA
Partner Qualifier. . . . . . . .
Partner Name . . . . . . . . . .   SWEET TEA
Transaction ID . . . . . . . . .   810


Test or Production . . . . . . . .   _
Transaction Map ID Inbound . . . .   _____
Transaction Map ID Outbound. . . .   _____
Accept Transaction Inbound . . . .   _
Send Transaction Outbound. . . . .   Y
Validate Codes Inbound . . . . . .   _
Validate Codes Outbound. . . . . .   _
Expect an AK2, A2, or UCM. . . . .   _
Transaction Acknowledgement Type .   _____
Acknowledgment Overdue in. . . . .   ____ Hours __ Minutes
Acknowlede Specific Trans. . . . .   N


F1=Help  F8=Next  F12=Cancel  F24=More Keys
```

6. On the second Partner
    Transaction panel, enter **0**
    (zero) in the Control
    Number field and press the
    Field Exit key to zero-fill
    the field. (If you are not sure
    which key is Field Exit, see
    your emulation software
    manual or PC support
    personnel for assistance.)
    Alternatively, you can enter
    all zeros in the field.

```
EDIX041                    Partner Transaction              EDI  04/30/08
FMT04                                                             12:00:00

Partner ID . . . . . . . . . . .   SWEET TEA
Partner Qualifier. . . . . . . .
Partner Name . . . . . . . . . .   SWEET TEA
Transaction ID . . . . . . . . .   810

Outbound envelope information for ST segment
Transaction Set Identifier . . ST01 810
Control Number . . . . . . . . ST02 000000000
Version. . . . . . . . . . . .   _____
Impl. Convention Reference . . ST03 _____




F1=Help  F4=Prompt  F7=Back  F10=Update  F12=Cancel  F24=More Keys
```

7. Press **F10** (Update) to create
    the transaction and to return
    to the Work with Partner
    Transactions panel.

Next, create the 850 transaction using the Copy feature.

8. Enter **3** in the Option field
    next to transaction ID 810
    and press **Enter**.

9. In the pop-up window, enter
    850 in the Copy To field
    and press **Enter** to complete
    the copy.

```
EDIX040               Work with Partner Transactions        EDI  04/30/08
FMT01              pgmlib: G3X5PGM    dtalib: G3X5DTA            12:00:00

Position to Tran ID _____  For SWEET TEA

Type option (and Information), press Enter.
  1=Create  2=Revise  3=Copy  4=Delete  5=View

Opt Tran ID In Map    Out Map

 __   !!!DFT
 3    810

         Copy To
         850___
         F3=Exit  F12=Cancel


                                                                   Bottom
Parameters or command
===>
F1=Help  F3=Exit  F12=Cancel  F15=Sort  F24=More Keys
Create Operation Successful.
```

Next, change some of the values copied from the 810 transaction set.

10. Enter **Y** in the Accept
Transaction Inbound, **N** in
the Send Transaction
Outbound fields, and **N** in
the Acknowledge Specific
Trans Field.

11. Press **Enter** or **F8** to access
the second panel.

12. Press **F10** (Update) to create
the transaction and return to
the Work with Partner
Transactions panel.

```
EDIX041                    Partner Transaction              EDI  04/30/08
FMT01                                                            12:00:00

Partner ID . . . . . . . . . . . .  SWEET TEA
Partner Qualifier. . . . . . . . .
Partner Name . . . . . . . . . . .  SWEET TEA
Transaction ID . . . . . . . . . .  850


Test or Production . . . . . . . .  _
Transaction Map ID Inbound . . . .  _____
Transaction Map ID Outbound. . . .  _____
Accept Transaction Inbound . . . .  Y
Send Transaction Outbound. . . . .  N
Validate Codes Inbound . . . . . .  _
Validate Codes Outbound. . . . . .  _
Expect an AK2, A2, or UCM. . . . .  _
Transaction Acknowledgement Type .  _____
Acknowledgment Overdue in. . . . .  ____ Hours  __ Minutes
Acknowlede Specific Trans. . . . .  N


F1=Help  F8=Next  F12=Cancel  F24=More Keys
```

Next, create the 997 transaction (functional acknowledgements) using the Copy feature.

13. Enter **3** in the Option field next to Transaction ID 810 and press **Enter**.

14. In the pop-up window, enter
997 in the Copy To field
and press **Enter**.

15. Enter **Y** in the Accept
Transaction Inbound field
and keep the **Y** in the Send
Transaction Outbound field.

```
EDIX040                 Work with Partner Transactions       EDI 04/30/08
FMT01            pgmlib: G3X5PGM     dtalib: G3X5DTA              12:00:00

Position to Tran ID _____  For SWEET TEA

Type option (and Information), press Enter.
  1=Create  2=Revise  3=Copy  4=Delete  5=View

Opt Tran ID In Map     Out Map

 _      !!!DFT
 3      810

        Copy To
        997
        F3=Exit   F12=Cancel


                                                               Bottom
Parameters or command
===>  _____
F1=Help  F3=Exit  F12=Cancel  F15=Sort  F24=More Keys
Create Operation Successful.
```

16. Enter **Y** in the Acknowledge
    Specific Trans field to
    generate a functional
    acknowledgment for this
    Transaction ID. Otherwise,
    leave it as N.

```
EDIX041                    Partner Transaction              EDI  04/30/08
FMT01                                                            00:00:00

Partner ID . . . . . . . . . . . .  SWEET TEA
Partner Qualifier. . . . . . . . .
Partner Name . . . . . . . . . . .  SWEET TEA - tutorial partner
Transaction ID . . . . . . . . . .  997


Test or Production . . . . . . . .  _
Transaction Map ID Inbound . . . .  _____
Transaction Map ID Outbound. . . .  _____
Accept Transaction Inbound . . . .  Y
Send Transaction Outbound. . . . .  Y
Validate Codes Inbound . . . . . .  _
Validate Codes Outbound. . . . . .  _
Expect an AK2, A2, or UCM. . . . .  _
Transaction Acknowledgement Type .  _____
Acknowledgment Overdue in. . . . .  ___ Hours __ Minutes
Acknowlede Specific Trans. . . . .  N


F1=Help  F8=Next  F12=Cancel  F24=More Keys
```

17. Press **Enter** or **F8** to access
    the second panel.

18. Enter **0** in the Control
    Number (ST02) field, if not
    all zeros, and press **Field
    Exit** to zero-fill.

19. Press **F10** (Update) to create
    the transaction and return to
    the Work with Partner
    Transactions panel.

20. Press **F12** (Cancel) until you
    return to the Work with
    Partners panel.

```
EDIX041                    Partner Transaction              EDI  04/30/08
FMT04                                                            12:00:00

Partner ID . . . . . . . . . . . .  SWEET TEA
Partner Qualifier. . . . . . . . .
Partner Name . . . . . . . . . . .  SWEET TEA
Transaction ID . . . . . . . . . .  997

Outbound envelope information for ST segment
Transaction Set Identifier . . ST01 997
Control Number . . . . . . . . ST02 000000000
Version. . . . . . . . . . . . .     _____
Impl. Convention Reference . . ST03 _____






F1=Help  F4=Prompt  F7=Back  F10=Update  F12=Cancel  F24=More Keys
```

Step 4:   Update Name and Address Information

This is an optional step, since the name defaults to the Partner ID, but it can help identify the partner if a non-descriptive partner ID was used.

1. Enter **13** in the Option field beside the partner you created (SWEET TEA) on the Work with Partners panel and press **Enter**.

```
EDIX005                    Work with Partners              EDI 04/30/08
FMT01              pgmlib: G3X5PGM     dtalib: G3X5DTA           12:00:00

Position to Partner ID . . . . . .  SWEET TEA                    Qual _____

Type option (and Information), press Enter.
  1=Create  2=Revise  3=Copy  4=Delete  5=View  6=Print  7=Rename  11=Groups

Opt Partner ID                    Qual Partner Name

13  SWEET TEA                          SWEET TEA
    SWEET TEA MZ                       SWEET TEA MZ
    TDMTEST                            TDMTEST
    TPCOMPANY                          Trading Partner Example Company
    TRADANET                          TRADANET
    UNA-PARTNER                        Example of a UNA Partner
    VENDOR-1                           TUTORIAL - XYZ Computer Company
    VENDOR-2                           TUTORIAL - Bulk Paper Company
    VENDOR-3                           TUTORIAL - Two Way Communications
                                                                    More...
Parameters or command
===> _____
F1=Help  F3=Exit  F12=Cancel  F15=Sort  F23=More Options  F24=More Keys
```

2. Modify the description to indicate this is a tutorial partner. Press **F10** (Update) to update and return to the Work with Partners panel.

```
EDIX035                    Partner Name & Address           EDI 04/30/08
FMT01                                                            12:00:00

Partner ID . . . . . . . . . . . .  SWEET TEA
Qual Name. . . . . . . . . . . .

Name . . . . . . . . . . . . . .  SWEET TEA - tutorial partner
Address. . . . . . . . . . . . .



City . . . . . . . . . . . . . .
State. . . . . . . . . . . . . .  ____
Zip. . . . . . . . . . . . . . .  _____ - ____
Country Code . . . . . . . . . .  __
Contact. . . . . . . . . . . . .
Phone. . . . . . . . . . . . . .  (____) ____- _____ x _____
International Dial Code. . . . . .  000
Fax. . . . . . . . . . . . . . .  (____) ____- _____  Dial Code. . . . 000
E-mail Address . . . . . . . . .

F1=Help  F10=Update  F12=Cancel  F24=More Keys
```

Step 5:   Add Partner Cross References

Cross reference entries are used to help Gentran:Server find the partner ID in the partner file. These identifiers may be different from the application partner ID and EDI data. In this exercise, you will be adding several cross reference values for your partner (Sweet Tea).

1. On the Work with Partners panel, enter **17** in the Option field beside your partner (Sweet Tea) and press **Enter**.

```
EDIX005                    Work with Partners               EDI 04/30/08
FMT01              pgmlib: G3X5PGM    dtalib: G3X5DTA              12:00:00

Position to Partner ID . . . . . .  SWEET TEA                    Qual _____

Type option (and Information), press Enter.
  1=Create  2=Revise  3=Copy  4=Delete  5=View  6=Print  7=Rename  11=Groups

Opt Partner ID                 Qual Partner Name

17  SWEET TEA                       SWEET TEA - Tutorial partner
___ SWEET TEA MZ                    SWEET TEA MZ
___ TDMTEST                         TDMTEST
___ TPCOMPANY                       Trading Partner Example Company
___ TRADANET                        TRADANET
___ UNA-PARTNER                     Example of a UNA Partner
___ VENDOR-1                        TUTORIAL - XYZ Computer Company
___ VENDOR-2                        TUTORIAL - Bulk Paper Company
___ VENDOR-3                        TUTORIAL - Two Way Communications
                                                                   More...
Parameters or command
===> _____
F1=Help  F3=Exit  F12=Cancel  F15=Sort  F23=More Options  F24=More Keys
Revise Operation Successful
```

2. Enter **TPDUNSID** in the X-Ref field on the first line for the outbound GS partner resolution.

3. Enter **TPDUNSID** in the X-Ref field on the second line and **01** in the Qual field for the outbound ISA partner resolution.

```
EDIX008               Partner Cross Reference              EDI 04/30/08
CTL01                                                           12:00:00

Partner ID . . . . . . . . . . . .  SWEET TEA
Qualifier. . . . . . . . . . . .
Partner Name . . . . . . . . . .  SWEET TEA - tutorial partner
Postion to X-Ref . . . . . . . .  _____

Type option, press Enter.
  4=Delete

Opt X-Ref                        Qual
___ TPDUNSID                     ____
___ TPDUNSID                     01
___ VDR#55555                    ____
___ _____      ____
___ _____      ____
___ _____      ____
___ _____      ____
___ _____      ____
___ _____      ____
___ _____                More...
F1=Help  F4=Prompt  F5=Refresh  F10=Update  F12=Cancel  F24=More Keys
```

4. Enter **VDR#55555** in the X-Ref field on the third line for the outbound application partner resolution. (VDR#55555 is how the partner is defined in the application.)

> ✎ **NOTE**
> Typically, the same EDI identifiers are used for inbound and outbound EDI data. This exercise illustrated that you can set up more cross references if your business requires it.

5. Press **Enter** to add the new cross references.

6. Press **F12** (Cancel) until you return to the GENMAIN menu.

You have now completed the partner setup – congratulations!

Where to go next: Go to Chapter 9, "Setting up an Outbound Application Definition," and follow the step-by-step instructions.

Chapter

9 Setting Up an Outbound Application Definition

In this Chapter

In this chapter, you will accomplish the following:

➢ Access the Application Definition Subsystem

➢ Define the Application ID

➢ Revise the Application Files

➢ Revise Application Fields

➢ Update the Application Partner Reference

What is an Application Definition?

The application definition contains all the information about the files, records, and fields used for a specific application document, such as an Invoice or Purchase Order. It defines the application interface file format used for translation. The file definitions that exist on the iSeries are pulled into Gentran:Server, stored under a single identifier (Application ID), and called the application definition.

The application definition is then used to create a link between the application files and the transaction definition (which is the EDI format). This link is established by identifying how the application data fields are related to the EDI elements. The term "element" is similar to the term "field."

The goal of this chapter is to build an application definition for your company's outbound invoice data. The logical file and associated physical files have been provided for you.

Step 1: Access the Application Definition Subsystem

To access the Application Definition subsystem, select **2** (Work with Application Definition) on the GENMAIN menu, and press **Enter**.

The Work with Application Definition panel is displayed.

```
GENMAIN               Gentran:Server for iSeries Release 3.5
                                                    System:   ISDDEV01
Select one of the following:

     1. Work with Partners
     2. Work with Application Definition
     3. Mapping Menu                       (GENMAP)
     4. Communications Menu                (GENCOM)
     5. Work with Standards
     6. Work with Environment Control

     8. Audit Menu                         (GENAUD)
     9. Message Center Menu                (GENMSG)
    10. Processing Menu                    (GENPRC)
    11. System Administration Menu         (GENSYS)
    12. Viewpoint Menu                     (GENVPT)
    13. Gentran File Tracking Menu         (GENFILETRK)
    14. Gentran:Server Search Index
                                                          More...
Selection or command
===> 2

F3=Exit   F4=Prompt   F9=Retrieve   F12=Cancel   F13=User Support
```

Step 2:   Define the Application ID

For the application ID, most users choose a name that identifies the type of document being sent.

To define an Application ID for
the sample invoice:

```
EDIX550              Work with Application Definition          EDI 04/30/08
FMT01                pgmlib: G3X5PGM    dtalib: G3X5DTA                 12:00:00

Position to Application ID . . . . _____S/R _

Type option (and Information), press Enter.
  1=Create  2=Revise  3=Copy  4=Delete  5=View  6=Print  11=Rec/Files

Opt Appl ID   S/R Description                     File Type        Group User
1   INVOUT      S
    BINARYOUT   S  BINARY OUT SAMPLE              External Phys. PI    MKK
    INVFILE     R  Invoice Inbound               Internal Phys. IN    EDI
    INVOIC      S  Edifact Invoice          Y2K External Lgl.  INVOIC EDI
    INVOICOUT   S  Tutorial EDIFACT Invoice outb External Lgl.  INVOIC CB
    INVOUTL     S  Invoice Outbound (lgl)   Y2K External Lgl.  IN    EDI
    INVOUTP     S  Invoice Outbound (Phys)  Y2K External Phys. IN    EDI
    INVOUTPEDI  S  INVOICE OUTBOUND - PHYSICAL   External Phys. IN    CB
    ORDERS      R  Edifact Orders Inbound        External Lgl.  ORDERS CSG

                                                                   More...
Parameters or command
===> _
F1=Help  F3=Exit  F12=Cancel  F15=Sort  F23=More Options  F24=More Keys
```

1.   Enter **1** (Create) in the
     Option field on the key entry
     line.

2.   Enter **INVOUT** (if INVOUT
     already exists, add your
     initials to the end to make it
     unique) in the App ID field.

3.   Enter **S** in the S/R field and
     press **Enter** to go to the
     Application Definition
     panel.

Enter the following information for the application definition:

4.   On the Application
     Definition panel, enter
     **Tutorial X12
     Invoice Outbound** in
     the Description field.

```
EDIX552                  Application Definition             EDI 04/30/08
FMT01                                                             12:00:00

Application ID . . . . . . . . . .  INVOUT
Send or Receive. . . . . . . . . .  S

Division . . . . . . . . . . . . .  000
Description. . . . . . . . . . . .  Tutorial X12 Invoice Outbound
Functional Groups. . . . . . . . .  IN
                                    ____
                                    ____
                                    ____
File Type. . . . . . . . . . . . .  L
EDI Split File . . . . . . . . . .  ____
EDI Sub-Split File . . . . . . . .  ____
Record Type Start Position . . . .  ___
Length . . . . . . . . . . . . . .  ___
Application File . . . . . . . . .  WLEINV

Update Allowed . . . . . . . . . .  Y

F1=Help  F4=Prompt  F10=Update  F12=Cancel  F21=Prt App  F24=More Keys
```

5.   Enter **IN** on the first line of
     the Functional Groups field
     (as defined by the standards
     as the ID for an invoice).

6.   Enter **L** in the File Type
     field (indicates that the
     application file is an
     externally defined
     multi-format logical file). Optionally, press **F4** (Prompt) for a list of file types.

7.   Enter **WLEINV** in the Application File field (this logical file has been provided for you).

8.   Press **F10** (Update) to create the application definition and to return to the Work with
     Application Definition panel.

Gentran:Server automatically retrieves the files and fields from the multi-format logical file. The
message **DDS was retrieved for the Application Files and Fields** is displayed at the
bottom of the panel.

Step 3:   Revise the Application Files

The first step in revising the files for your application definition is to access the Application Records/Files panel.

1. On the Work with
    Application Definition
    panel, enter **11** (Rec/Files)
    in the Option field next to
    the application ID you just
    created (INVOUT) and
    press **Enter**.

```
EDIX550              Work with Application Definition        EDI 04/30/08
FMT01               pgmlib: G3X5PGM    dtalib: G3X5DTA            12:00:00

Position to Application ID . . . .   INVOUT     S/R S

Type option (and Information), press Enter.
  1=Create  2=Revise  3=Copy  4=Delete  5=View  6=Print  11=Rec/Files

Opt Appl ID   S/R Description                      File Type      Group User

11  INVOUT      S  Tutorial X12 Invoice Outbound  External Lgl.   IN    EDI
    INVOUTL     S  Invoice Outbound (lgl)     Y2K External Lgl.   IN    EDI
    INVOUTP     S  Invoice Outbound (Phys)    Y2K External Phys.  IN    EDI
    INVOUTPEDI  S  INVOICE OUTBOUND - PHYSICAL    External Phys.  IN    EDI
    ORDERS      R  Edifact Orders Inbound         External Lgl.   ORDERS CSG
    ORDERSINB   R  Tutorials EDIFACT Orders inb   External Lgl.   ORDERS EDI
    POFILE      S  Outbound Purchase Order        Internal Phys.  PO    EDI
    POFILE1     S  PURCHASE ORDER - OUTBOUND      Internal Phys.  PO    EDI
    POINB       R  Tutorial x12 PO Inbound        External Lgl.   PO    EDI
                                                                  More...
Parameters or command
===>
F1=Help  F3=Exit  F12=Cancel  F15=Sort  F23=More Options  F24=More Keys
Create Operation Successful.
```

Next, modify the file information in the application definition.

2. Change the value in the Max
    Use field to **100** for
    sequence 20.

3. Change the value in the
    A (Area) field for sequence
    30 to **D** for Detail.

4. Enter **6000** in the Loop ID
    field for sequence 30 and
    press **Enter** to update.

```
EDIX553                  Application Records/Files           EDI 04/30/08
CTL01                                                            12:00:00

Application ID . . . . . . . . . .  INVOUT
Send or Receive. . . . . . . . . .  S
Description. . . . . . . . . . . .  Tutorial X12 Invoice Outbound

Position to Sequence Number. . . .  ____

Type option, press Enter.
  3=Copy  4=Delete  11=Fields  12=Re-retrieve DDS

                         Loop  Max                               Last Update
Opt Seq Rec/File  A  ID  Use  M W Description                    Date    User
    10  WPEINVHDR H  ____    1 M _ EDI Invoice Header File       04-30-08 EDI
    20  WPEINVCMT H  ____  100 M _ EDI Invoice Header Comment fil 04-30-08 EDI
    30  WPEINVITM D  6000    1 M _ EDI Invoice Item Detail File   04-30-08 EDI
    __  ____      _  ____  ___ _ _ _____
    __  ____      _  ____  ___ _ _ _____
    __  ____      _  ____  ___ _ _ _____
    __  ____      _  ____  ___ _ _ _____
                                                                More...
F1=Help  F4=Prompt  F10=Update  F12=Cancel  F24=More Keys
```

✎ **NOTE**

You may change the descriptions for any of the files or leave the file descriptions
that were retrieved.

Step 4: Revise Application Fields

1. On the Application Records/Files panel, enter **11** (Fields) in the Option field next to the header file (WPEINVHDR) and press **Enter**.

```
EDIX553                  Application Records/Files              EDI 04/30/08
CTL01                                                           12:00:00

Application ID . . . . . . . . . .   INVOUT
Send or Receive. . . . . . . . . .   S
Description. . . . . . . . . . . .   Tutorial X12 Invoice Outbound

Position to Sequence Number. . . .   ____

Type option, press Enter.
  3=Copy   4=Delete   11=Fields   12=Re-retrieve DDS

                        Loop   Max                                Last Update
Opt Seq Rec/File  A  ID      Use M W Description                  Date    User
11  10  WPEINVHDR H  ____      1 M _ EDI Invoice Header File      04-30-08 EDI
    20  WPEINVCMT H  ____    100 M _ EDI Invoice Header Comment fil 04-30-08 EDI
    30  WPEINVITM D 6000      1 M _ EDI Invoice Item Detail File  04-30-08 EDI
    __  _____  _  ____  _____ _ _ _____
    __  _____  _  ____  _____ _ _ _____
    __  _____  _  ____  _____ _ _ _____
    __  _____  _  ____  _____ _ _ _____
                                                                    More...
F1=Help  F4=Prompt  F10=Update  F12=Cancel  F24=More Keys
```

The Application Fields panel is displayed. Our sample application stores the invoice date in YYYYMMDD format, but the EDI date can be in either YYYYMMDD or YYMMDD format. To accomplish this task, make the following changes:

2. Enter **CY** in the Ty (Type) field for sequence 20 to convert the invoice date from YYYYMMDD format.

3. Enter **CY** in the Ty (Type) field for sequence 30 to convert the purchase order date from YYYYMMDD format.

4. Press **Page Down** until you get to field seg 150. Enter **CY** in the Ty (Type) field for seg 150 to convert the ship date from YYYYMMDD format.

```
EDIX554                    Application Fields                   EDI 04/30/08
CTL01                                                           12:00:00

Application ID . . . . . . . . . .   INVOUT
Send or Receive. . . . . . . . . .   S
Record/File Sequence Number. . . .   10
Description. . . . . . . . . . . .   EDI Invoice Header File
Record/File. . . . . . . . . . . .   WPEINVHDR

Position to Sequence Number. . . .   ____

Type option, press Enter.
  3=Copy   4=Delete

Opt Seq Field Name     Ty Start Len M Description          Field Value
     5 F010.IHB2#      AN    1   9 M BILLTO ACCT#
    10 F010.IHINV#     AN   10  10 M INVOICE #
    15 F010.IHCRDB     AN   20   1 M CREDIT/DEBIT FLAG:C OR B
    20 F010.IHINDT     CY   21   8 M INVOICE DATE YYMD
    25 F010.IHPO#      AS   29  20 M PURCHASE ORDER #
    30 F010.IHPODT     CY   49   8 M PO DATE YYMD
                                                               More...
F1=Help  F4=Prompt  F10=Update  F12=Cancel  F13=Services  F24=More Keys
```

5. Press **F17** (Next Rcd) to update and advance to the next record for any other desired changes, or press F10 (Update) to update and return to the Application Records/Files panel. (Our example does not require any other changes.)

6. Press **F12** (Cancel) to return to the Work with Application Definition panel.

Step 5:   Update the Application Partner Reference

Updating the Application Partner Reference tells Gentran:Server what fields should be examined to determine the partner to whom the data is being sent.

1. On the Work with Application Definition panel, enter **13** in the Option field next to your application definition (INVOUT) and press **Enter**.

```
EDIX550              Work with Application Definition          EDI 04/30/08
FMT01              pgmlib: G3X5PGM    dtalib: G3X5DTA              12:00:00

Position to Application ID . . . .  INVOUT    S/R S

Type option (and Information), press Enter.
  1=Create  2=Revise  3=Copy  4=Delete  5=View  6=Print  11=Rec/Files

Opt Appl ID    S/R Description                 File Type      Group User

13  INVOUT     S   Tutorial X12 Invoice Outbound External Lgl.   IN    EDI
    INVOUTL    S   Invoice Outbound (lgl)    Y2K External Lgl.   IN    EDI
    INVOUTP    S   Invoice Outbound (Phys)   Y2K External Phys.  IN    EDI
    INVOUTPEDI S   INVOICE OUTBOUND - PHYSICAL   External Phys.  IN    EDI
    ORDERS     R   Edifact Orders Inbound        External Lgl.   ORDERS CSG
    ORDERSINB  R   Tutorials EDIFACT Orders inb  External Lgl.   ORDERS EDI
    POFILE     S   Outbound Purchase Order       Internal Phys.  PO    EDI
    POFILE1    S   PURCHASE ORDER - OUTBOUND     Internal Phys.  PO    EDI
    POINB      R   Tutorial x12 PO Inbound       External Lgl.   PO    EDI
                                                                   More...
Parameters or command
===>
 F1=Help  F3=Exit  F12=Cancel  F15=Sort  F23=More Options  F24=More Keys
```

2. Enter **F010.IHB2#** in the Application Partner Reference Field Name or press **F4** (Prompt) and select the field from the list.

```
EDIX559              Application Partner Reference           EDI 04/30/08
FMT01                                                           12:00:00

Application ID . . . . . . . . . .  INVOUT
Send or Receive. . . . . . . . . .  S

Application Partner Reference
Field Name . . . . . . . . . . . .  F010.IHB2#
Qual Field Name. . . . . . . . . .

Application Select
Field Name . . . . . . . . . . .




 F1=Help  F4=Prompt  F10=Update  F12=Cancel  F13=Services  F24=More Keys
```

3. Press **F10** (Update) to update and to return to the Work with Application Definition panel.

4. Press **F12** (Cancel) until you return to the GENMAIN menu.

You have now finished customizing the invoice application definition – congratulations!

Where to go next: Go to Chapter 10, "Creating an Outbound Transaction Map," and follow the step-by-step instructions.

Chapter

10 Creating an Outbound Transaction Map

In this Chapter

In this chapter, you will create a transaction map for an outbound invoice by performing the following tasks.

➢ Access the Transaction Mapping Subsystem

➢ Create and Define a New Transaction ID

➢ Copy Segments from Standards

➢ Map the Segments

➢ Create Subfield Mapping and Conditions for Some Segments

➢ View the Code Translation Table

➢ Update the Partner with the New Map

What is a Transaction Map?

Transaction mapping is the process of creating a map. A map contains all the information about the EDI segments and elements that are used for a specific document, such as the invoice or purchase order. It defines the transaction format that is used for translation. The segments and elements are pulled into your map and stored under a single identifier called the transaction ID or map name.

The map is then used to create a link with the application definition. The link is established by identifying how the transaction elements are related to the application fields.

Step 1: Access the Mapping Menu (GENMAP)

To access the Mapping Menu
(GENMAP), select option **3**
(Mapping Menu) on the
GENMAIN menu and press
Enter.

```
GENMAIN              Gentran:Server for iSeries Release 3.5
                                                   System:   ISDDEV01
Select one of the following:

    1. Work with Partners
    2. Work with Application Definition
    3. Mapping Menu                    (GENMAP)
    4. Communications Menu             (GENCOM)
    5. Work with Standards
    6. Work with Environment Control

    8. Audit Menu                      (GENAUD)
    9. Message Center Menu             (GENMSG)
   10. Processing Menu                 (GENPRC)
   11. System Administration Menu      (GENSYS)
   12. Viewpoint Menu                  (GENVPT)
   13. Gentran File Tracking Menu      (GENFILETRK)
   14. Gentran:Server Search Index
                                                        More...
Selection or command
===> 3

F3=Exit   F4=Prompt   F9=Retrieve   F12=Cancel   F13=User Support
(C) COPYRIGHT Sterling Commerce Inc., 2008, ALL RIGHTS RESERVED.
```

Step 2: Access the Transaction Mapping Subsystem

To access the Transaction
Mapping Subsystem, enter **2**
(Work with Transaction
Mapping) on the GENMAP
menu command line and press
Enter.

```
GENMAP                   Gentran:Server Mapping 3.5
                                                   System:   ISDDEV01
Select one of the following:

    1. Work with Application Definition
    2. Work with Transaction Mapping
    3. Work with Extended Mapping
    4. Work with Tables
    5. Work with Sub-Splits

   10. Print Application Definition       (PRTAPP)
   11. Print Mapping Files                (PRTMAP)
   12. Print Translation Tables           (PRTTRNTBL)
   13. Application Synchronization        (APPSYNCH)
   14. Mapping Synchronization            (MAPSYNCH)
   15. Map Version Compare and Conversion (VERCNVT)
   16. Copy Applications                  (APPCPY)
   17. Copy Transaction Maps              (TRNCPY)
                                                        More...
Selection or command
===> 2

F3=Exit   F4=Prompt   F9=Retrieve   F12=Cancel   F13=User Support
(C) COPYRIGHT Sterling Commerce Inc., 2008, ALL RIGHTS RESERVED.
```

Step 3:   Create a Transaction ID

The Work with Transaction Mapping panel provides you with the option for creating a new transaction ID. Typically, most users choose a name that identifies the transaction, version, and optionally, a partner-specific code.

To create a map for this example, complete the following instructions:

1. Enter **1** (Create) in the Option field.

2. Enter **810OUT** in the Tran(saction) ID field. If 810OUT already exists, add your initials to the end.

3. Enter **S** in the S/R (Send/Receive) field, and press **Enter**.

```
EDIX500               Work with Transaction Mapping          EDI 04/30/08
FMT01              pgmlib: G3X5PGM     dtalib: G3X5DTA            12:00:00

Position to Transaction ID . . . .  _____  S/R _

Type option (and Information), press Enter.
  1=Create  2=Revise  3=Copy  4=Delete  5=View  6=Print  11=Segments

Opt Tran ID   S/R Appl ID   Description                  User Typ
1_  810OUT     S
__  ANSI2040IN R  INVFILE    ANSI 002040 INBOUND INVOICES  CSG  G
__  ANSI2040PO S  POFILE     ANSI 002040 OUTBOUND POS      CSG  G
__  BINARYOUT  S  BINARYOUT  BINARY OUT SAMPLE             MKK  G
__  INVOIC     S  INVOIC     Edifact OB Invoice D:94B      SEC  P
__  INVOICOUT  S  INVOICOUT  Tutorial EDIFACT Invoice D:94B CB  P
__  ORDERS     R  ORDERS     Edifact Inb Orders D:94B      CSG  P
__  ORDERSINB  R  ORDERSINB  Tutorial ORDERS Inbound D:94B CB  G
__  POMAP4010  R  SEMPOAPPL  Purchase Order Inbound 004010 EDI  P
__  SEMINMAP1  S  SEMINAPPL  SEMINAR 810 OUTBOUND MAP 2040 CSG  P
                                                               More...
Parameters or command
===> _
F1=Help  P6=More/Less  F12=Cancel  F15=Sort  F23=More Options  F24=More Keys
```

Step 4:   Define a New Transaction ID

The Transaction Map Definition panel is used to specify the characteristics of your transaction ID.

1. Enter **Tutorial Invoice Outbound 4010** in the Description field.

2. Enter **004010** in the Standards Version field.

3. Enter **810** in the Transaction Set field.

4. Enter **T** in the Transaction Status field for 'Test.'

5. Enter **P** in the Use Code field for 'Partner-specific.'

```
EDIX503               Transaction Map Definition            EDI 04/30/08
FMT01                                                          12:00:00

Transaction ID . . . . . . . . . .  810OUT
Send or Receive. . . . . . . . . .  S

Division . . . . . . . . . . . . .  000
Description. . . . . . . . . . . .  Tutorial Invoice Outbound 4010
Standards Version. . . . . . . . .  004010
Transaction Set. . . . . . . . . .  810
Transaction Set Release. . . . . .  0
Transaction Status . . . . . . . .  T
Use Code . . . . . . . . . . . . .  P
Envelope Type. . . . . . . . . . .  X
Application ID . . . . . . . . . .  INVOUT
Application Selection Field Values

                                    _____  _____  _____

Update Allowed . . . . . . . . . .  Y



F1=Help  F4=Prompt  F10=Update  F12=Cancel  F13=Services  F24=More Keys
```

6. Enter **X** in the Envelope Type field for 'X12.'

7. Press **F4** (Prompt) on the Application ID field.

8. A pop-up window is displayed with a list of application IDs from which to choose. Enter **1** next to the application ID you created earlier (INVOUT) and press **Enter**.

9. Make sure the Update Allowed flag is set to **Y** and press **F10** (Update) to add the map.

Step 5:   Copy Segments from the Standards

The next step is to copy the segments from the standards into your map.

1. Enter '12' (Copy Segments) in the Option field next to 810OUT, and press **Enter**.

```
EDIX500                 Work with Transaction Mapping          EDI 04/30/08
FMT01              pgmlib: G3X5PGM     dtalib: G3X5DTA             12:00:00

Position to Transaction ID . . . .  810OUT     S/R S

Type option (and Information), press Enter.
  1=Create  2=Revise  3=Copy  4=Delete  5=View  6=Print  11=Segments

Opt Tran ID    S/R Appl ID    Description                User Typ

12  810OUT      S   INVOUT     Tutorial Invoice Outbound 4010 EDI   P
    810S41EDI   S   INVOUTPEDI Outbound Invoice 004010 (demo) EDI   P
    810S41TPC1  S   INVOUTP    OUTBOUND INVOICE 004010 (demo) EDI   P
    810S41TPC2  S   INVOUTL    Invoice Outbound 4010 (to TP2) EDI   P
    850INB      R   POINB      Tutorial PO Inbound 004010     EDI   G
    880SU31     S   INVOUTL    Outb Invoice (880) U3/1        EDI   G



                                                             Bottom
Parameters or command
===>
F1=Help P6=More/Less F12=Cancel F15=Sort F23=More Options F24=More Keys
Create Operation Successful.
```

Quite often, the segments that need to be included in your map are requested by your trading partner. The following table lists the segments that are required for this sample invoice map.

As you select the segments from the panels, verify that the Area and Seq# for each matches the one given in the table below, because many segments occur more than once in a transaction. For example, you will see two sets of N1 through N4 segments as you go through the panels: one in the H (Header) area, and one in the D (Detail) area.

Important:

Be sure to choose the N1, N3, and N4 in the Header area to avoid mapping problems later on.

Segment	Area	Seq#	Comments
BIG	H	1	Mandatory – will already have **3** in the Option field
NTE	H	2	Enter **3** in the Option field
REF	H	4	Enter **3** in the Option field.
N1	H	7	Enter **3** in the Option field
N3	H	9	Enter **3** in the Option field
N4	H	10	Enter **3** in the Option field
DTM	H	15	Enter **3** in the Option field
IT1	D	34	Enter **3** in the Option field
PID	D	43	Enter **3** in the Option field
TDS	S	80	Mandatory – will already have **3** in the Option field
CTT	S	88	Enter **3** in the Option field

2. Enter **3** (Copy) in the
    Option field next to each
    segment listed in the table
    on the preceding page. The
    first panel is illustrated in
    the figure at right.

3. Press **Page Up**/**Page Down**
    to select additional segments
    to be copied. All mandatory
    segments will have a **3**
    already in the Option field.

4. When you have finished
    selecting the segments,
    press **Enter** to copy them
    into your map.

```
EDIX502                Copy Segments from Standard              EDI 04/30/08
CTL01                                                              12:00:00

Transaction ID . . . . . . . . . .  810OUT
Send or Receive. . . . . . . . . .  S
Standard . . . . . . . . . . . . .  004010
Transaction Set. . . . . . . . . .  810


Type option, press Enter.
  3=Copy

Opt   Seq      Seg Man   Max Loop    Max
      No  Area Id  Cd    Use  Id    Loop Description
 3     1   H   BIG  M     1                BEGINNING SEGMENT FOR INVOICE
 3     2   H   NTE  O    100               NOTE/SPECIAL INSTRUCTION
       3   H   CUR  O     1                CURRENCY
 3     4   H   REF  O    12                REFERENCE IDENTIFICATION
       5   H   YNQ  O    10                YES/NO QUESTION
       6   H   PER  O     3                ADMINISTRATIVE COMMUNICATIONS CONTA
 3     7   H   N1   O     1 1000    200 NAME
                                                                   More...
F1=Help  F10=Update  F12=Cancel  F13=Services
```

5. Press **F12** (Cancel) to return to the Work with Transaction Mapping panel.

Step 6:   Modify Segment Information

The next several steps show how to change and copy segment information to properly align the segments. If you skip these steps, the segments might not be written (or not written as many times as you had expected) during translation. To align the segments in this sample invoice map, complete the following instructions:

1. On the Work with Transaction Mapping panel, enter **11** (Segments) in the Option field next to your map (810OUT) and press **Enter**.

```
EDIX500               Work with Transaction Mapping          EDI 04/30/08
FMT01              pgmlib: G3X5PGM     dtalib: G3X5DTA            12:00:00

Position to Transaction ID . . . .   810OUT     S/R S

Type option (and Information), press Enter.
  1=Create  2=Revise  3=Copy  4=Delete  5=View  6=Print  11=Segments

Opt Tran ID    S/R Appl ID    Description               User Typ

11  810OUT      S  INVOUT      Tutorial Invoice Outbound 4010 EDI   P
    810S41EDI   S  INVOUTPEDI  Outbound Invoice 004010 (demo) EDI   P
    810S41TPC1  S  INVOUTP     OUTBOUND INVOICE 004010 (demo) EDI   P
    810S41TPC2  S  INVOUTL     Invoice Outbound 4010 (to TP2) EDI   P
    850INB      R  POINB       Tutorial PO Inbound 004010     EDI   G
    880SU31     S  INVOUTL     Outb Invoice (880) U3/1        EDI   G


                                                          Bottom
Parameters or command
===>
F1=Help  P6=More/Less  F12=Cancel  F15=Sort  F23=More Options  F24=More Keys
```

2. For the REF segment at sequence 400, change the max use to **1** and change the description as shown.

3. For N1, blank out the Loop ID and the Max Loop fields and change the description as shown. Since we have 1 application record generating multiple EDI loops, we will set this up for manual looping.

```
EDIX504              Transaction Map Segments            EDI 04/30/08
CTL01                                                        12:00:00

Transaction ID . . . . . . . . . .  810OUT
Send or Receive. . . . . . . . . .  S
Transaction Set. . . . . . . . . .  810
Standard . . . . . . . . . . . . .  004010

Position to Sequence Number. . . .

Type option, press Enter.
  3=Copy  4=Delete  11=Elem Map  12=Ext Map  13=Loop-end  14=Split Screen Map

Opt  Seq A Seg M    Max Loop   Max Description            User       W
     No  C Id  C    Use Id     Loop                       Exit       F
     100 H BIG M      1                 BEGINNING SEGMENT FOR INVOI _____ Y
     200 H NTE O    100                 NOTE/SPECIAL INSTRUCTION    _____ Y
     400 H REF O      1                 Dept number                _____ Y
     700 H N1  O      1 1000            billto name                _____ Y
     900 H N3  O      2 1000            billto address             _____ Y
    1000 H N4  O      1 1000            billto city/state          _____ Y
                                                              More...
F1=Help  F4=Prompt  F10=Update  F12=Cancel  F13=Services  F24=More Keys
```

4. For N3, change the Max Use to **1**, blank out the Loop ID, and change the description as shown.

5. For N4, blank out the Loop ID field and change the description as shown.

6. Press **Page Down** and for the DTM segment at 1500, change the Max Use to **1** and change the description as shown.

7. For the PID segment at 4300, change the Loop ID to **6000** and blank out the max loop field.

8. Press **Enter** to update.

```
EDIX504                   Transaction Map Segments              EDI 04/30/08
CTL01                                                               12:00:00

Transaction ID . . . . . . . . . .  810OUT
Send or Receive. . . . . . . . . .  S
Transaction Set. . . . . . . . . .  810
Standard . . . . . . . . . . . . .  004010

Position to Sequence Number. . . .

Type option, press Enter.
  3=Copy  4=Delete  11=Elem Map  12=Ext Map  13=Loop-end  14=Split Screen Map

Opt   Seq A Seg M    Max Loop    Max  Description                 User      W
      No  C Id  C    Use Id      Loop                             Exit      F
___  4300 D PID O  ____1 6000_  _____  PRODUCT/ITEM DESCRIPTION   _____  Y
___  8000 S TDS M  ____1 ____   _____  TOTAL MONETARY VALUE SUMMAR _____ Y
___  8800 S CTT O  ____1 ____   _____  TRANSACTION TOTALS         _____  Y

__   ___  _ ___ _ _____ ____   _____  _____   _____  _
__   ___  _ ___ _ _____ ____   _____  _____   _____  _
                                                                  More...

F1=Help  F4=Prompt  F10=Update  F12=Cancel  F13=Services  F24=More Keys
```

✍ NOTE

You may change the descriptions to denote specific information, such as the Bill To and Ship To Name for the N1, as illustrated in the above figure, but it is not necessary for this exercise.

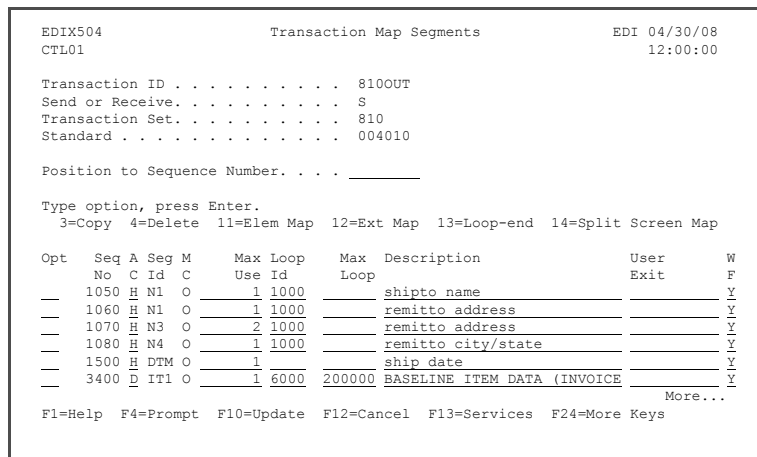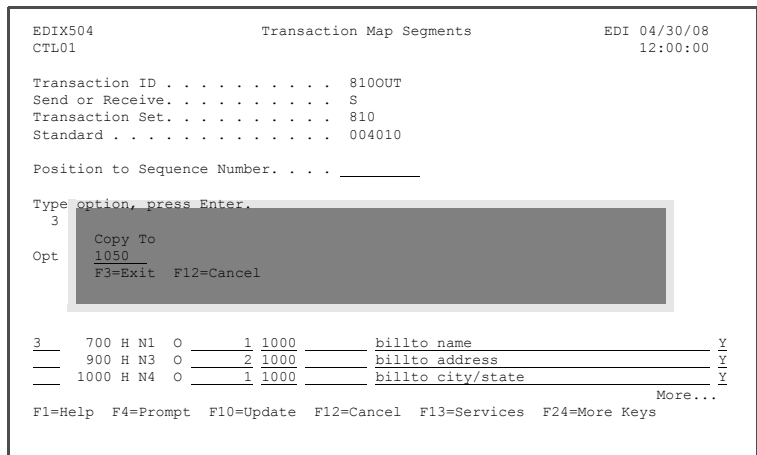## Step 7:   Copy Segments for Manual Loops

The next step in aligning the segments is to create manual loops by copying existing segments. In this example, the segments in the N1 loop from the Bill To loop need to be copied to create another occurrence for the Ship To name loop. The N1 loop for the Bill To information is at segment sequence 700 through 1000. The next segment sequence occurs at 1500. This allows another N1 segment to be copied somewhere between sequence 1000 and 1500. For this exercise, copy the segment to sequence 1050.

To create a manual loop for the sample invoice, complete the following instructions:

1. Select the segment to be copied (in this example it is the N1 segment at sequence 700) using option **3** and press **Enter**. This action displays a pop-up window.

```
EDIX504                    Transaction Map Segments           EDI 04/30/08
CTL01                                                           12:00:00

Transaction ID . . . . . . . . . .  810OUT
Send or Receive. . . . . . . . . .  S
Transaction Set. . . . . . . . . .  810
Standard . . . . . . . . . . . . .  004010

Position to Sequence Number. . . .  _____

Type option, press Enter.
   3
          Copy To
 Opt      1050
          F3=Exit   F12=Cancel



 3     700 H N1  O ____  1 1000 _____  billto name                  Y
 ___   900 H N3  O ____  2 1000 _____  billto address               Y
 ___  1000 H N4  O ____  1 1000 _____  billto city/state            Y
                                                                More...
 F1=Help  F4=Prompt  F10=Update  F12=Cancel  F13=Services  F24=More Keys
```

2. Enter **1050** on the Copy To line in the window and press **Enter**. This action redisplays the panel showing the copied segment ID **1050**.

3. Change the Description field for sequence 1050 to 'shipto name' and press **Enter**.

4. Repeat the Copy step to copy the following segments and update the descriptions:

- N1 at 700 to 1060

- N3 at 900 to 1070

- N4 at 1000 to 1080

Change the descriptions to indicate Remit To information for the segments at 1060 – 1080.

```
EDIX504                    Transaction Map Segments           EDI 04/30/08
CTL01                                                           12:00:00

Transaction ID . . . . . . . . . .  810OUT
Send or Receive. . . . . . . . . .  S
Transaction Set. . . . . . . . . .  810
Standard . . . . . . . . . . . . .  004010

Position to Sequence Number. . . .  _____

Type option, press Enter.
   3=Copy  4=Delete  11=Elem Map  12=Ext Map  13=Loop-end  14=Split Screen Map

Opt  Seq A Seg M    Max Loop   Max  Description            User      W
     No  C Id  C    Use Id     Loop                        Exit      F
     1050 H N1  O ____  1 1000       shipto name           _____    Y
___  1060 H N1  O ____  1 1000       remitto address       _____    Y
___  1070 H N3  O ____  2 1000       remitto address       _____    Y
___  1080 H N4  O ____  1 1000       remitto city/state    _____    Y
___  1500 H DTM O ____  1            ship date                       Y
___  3400 D IT1 O ____  1 6000 200000 BASELINE ITEM DATA (INVOICE   Y
                                                               More...
F1=Help  F4=Prompt  F10=Update  F12=Cancel  F13=Services  F24=More Keys
```

This tutorial illustrates calculating summary information within the map instead of having a summary application file. To do this, we will create a dummy segment.

5. Use option **3** to copy the TDS segment at 8000 to sequence **4350**.

```
EDIX504                   Transaction Map Segments              EDI 04/30/08
CTL01                                                              12:00:00

Transaction ID . . . . . . . . . .  810OUT
Send or Receive. . . . . . . . . .  S
Transaction Set. . . . . . . . . .  810
Standard . . . . . . . . . . . . .  004010

Position to Sequence Number. . . .  _____

   ┌──────────────────────────────────────────────────────┐
   │  Copy To                                         P     │
   │  4350                                                  │
   │  F3=Exit  F12=Cancel                             W     │
   │                                                  F     │
   │                                                  Y     │
   │                                                  N     │
   3__  8000 S TDS M _____1 ____ _____ TOTAL MONETARY VALUE SUMMAR      Y
   ___  8800 S CTT O _____1 ____ _____ TRANSACTION TOTALS               Y


                                                              More...
   F1=Help  F4=Prompt  F10=Update  F12=Cancel  F13=Services  F24=More Keys
```

6. On the TDS at 4350, change the area code (AC field) from S to **D** and add the Loop ID of **6000**. Change the description to indicate it is a dummy segment and change the WF (write flag) field to an **N**.

7. Press **Enter** to update.

```
EDIX504                   Transaction Map Segments              EDI 04/30/08
CTL01                                                              12:00:00

Transaction ID . . . . . . . . . .  810OUT
Send or Receive. . . . . . . . . .  S
Transaction Set. . . . . . . . . .  810
Standard . . . . . . . . . . . . .  004010

Position to Sequence Number. . . .

Type option, press Enter.
  3=Copy  4=Delete  11=Elem Map  12=Ext Map  13=Loop-end  14=Split Screen Map

Opt   Seq A Seg M   Max Loop   Max Description              User      W
      No  C Id  C   Use Id     Loop                         Exit      F
___   4300 D PID O _____1 6000 ____ PRODUCT/ITEM DESCRIPTION           Y
___   4350 D TDS M _____1 6000 ____ dummy seg (extended $ amt)         N
___   8000 S TDS M _____1      ____ TOTAL MONETARY VALUE SUMMAR        Y
___   8800 S CTT O _____1      ____ TRANSACTION TOTALS                 Y

___    __  _ ___ _ _____ ____ _____ _____
___    __  _ ___ _ _____ ____ _____ _____        More...
   F1=Help  F4=Prompt  F10=Update  F12=Cancel  F13=Services  F24=More Keys
```

Step 8:   Access the Element Mapping Outbound Panel

Now that the segments are
aligned to work with our
application definition, you need
to define what will be mapped to
each element.

For this tutorial, we will use the
Split Screen Mapping feature.
You could also perform mapping
using option **11**.

1. Enter **14** (Split Screen Map)
    in the Option field next to
    the BIG segment as shown
    on the panel.

2. Press **Enter.**

```
EDIX504                     Transaction Map Segments            EDI 04/30/08
CTL01                                                              12:00:00

Transaction ID . . . . . . . . . .  810OUT
Send or Receive. . . . . . . . . .  S
Transaction Set. . . . . . . . . .  810
Standard . . . . . . . . . . . . .  004010

Position to Sequence Number. . . .

Type option, press Enter.
  3=Copy  4=Delete  11=Elem Map  12=Ext Map  13=Loop-end  14=Split Screen Map

Opt   Seq A Seg M    Max Loop   Max  Description            User        W
      No  C Id  C    Use Id     Loop                        Exit        F
14    100 H BIG M     1   ____       BEGINNING SEGMENT FOR INVOI  ___   Y
 __   200 H NTE O    100  ____       NOTE/SPECIAL INSTRUCTION     ___   Y
 __   400 H REF O     1   ____       Dept number                 ___   Y
 __   700 H N1  O     1   1000       billto name                 ___   Y
 __   900 H N3  O     2   1000       billto address              ___   Y
 __  1000 H N4  O     1   1000       billto city/state           ___   Y
                                                                 More...
F1=Help  F4=Prompt  F10=Update  F12=Cancel  F13=Services  F24=More Keys
```

Step 9:   Map the BIG Segment

The split screen shows EDI elements in the bottom half and application fields in the top half. You will be modifying the bottom half only.

Application fields can be entered in the Target field or selected from the list in the top half of the screen. The panel below shows how to initiate mapping for an element.

1. Enter **1** in the Option field next to Element 1 (Invoice Date) and press **Enter**. Control is passed to the top portion of the screen so you can select the field.

```
EDIX526    CTL01    From Application Fields          04/30/08  12:00:00
Application: INVOUT      S/R: S        1=Select
Opt Rec Type   No  Field Name    Typ Len Cde Description
    WPEINVHDR    5 F010.IHB2#      AN   9  M  BILLTO ACCT#
    WPEINVHDR   10 F010.IHINV#     AN  10  M  INVOICE #
    WPEINVHDR   15 F010.IHCRDB     AN   1  M  CREDIT/DEBIT FLAG:C OR BLANK
    WPEINVHDR   20 F010.IHINDT     CY   8  M  INVOICE DATE YYMD
    WPEINVHDR   25 F010.IHPO#      AS  20  M  PURCHASE ORDER #
    WPEINVHDR   30 F010.IHPODT     CY   8  M  PO DATE YYMD
                                                            More...
_____
EDIX525    CTL01    To Transaction Element Mapping
Map: 810OUT     S/R: S               1=Select 11=Ext Map 12=Subfield 13=Codes
Seg ID: BIG BEGINNING SEGMENT FOR INVOICE        Seq.  100  Area: H
Opt Target Field    Table ID   Ele Sub X M Ty Description       Seq   ID C
1_  _____  _____       1     M  DT DATE               10   373
__  _____  _____       2     M  AN INVOICE NUMBER     20    76
__  _____  _____       3     O  DT DATE               30   373
__  _____  _____       4     O  AN PURCHASE ORDER NUMBER  40  324
__  _____  _____       5     O  AN RELEASE NUMBER     50   328
__  _____  _____       6     O  AN CHANGE ORDER SEQUENCE  60  327
                                                            More...
F1=Help  F10=Update  F12=Cancel  F16=Prev Rcd  F17=Next Rcd  F24=More Keys
```

2. Enter **1** (select) in the Option field next to F010.IHINDT and press **Enter** to populate the Target Field.

```
EDIX526    CTL01    From Application Fields          04/30/08  12:00:00
Application: INVOUT      S/R: S        1=Select
Opt Rec Type   No  Field Name    Typ Len Cde Description
__  WPEINVHDR    5 F010.IHB2#      AN   9  M  BILLTO ACCT#
__  WPEINVHDR   10 F010.IHINV#     AN  10  M  INVOICE #
__  WPEINVHDR   15 F010.IHCRDB     AN   1  M  CREDIT/DEBIT FLAG:C OR BLANK
1_  WPEINVHDR   20 F010.IHINDT     CY   8  M  INVOICE DATE YYMD
__  WPEINVHDR   25 F010.IHPO#      AS  20  M  PURCHASE ORDER #
__  WPEINVHDR   30 F010.IHPODT     CY   8  M  PO DATE YYMD
                                                            More...
_____
EDIX525    CTL01    To Transaction Element Mapping
Map: 810OUT     S/R: S               1=Select 11=Ext Map 12=Subfield 13=Codes
Seg ID: BIG BEGINNING SEGMENT FOR INVOICE        Seq.  100  Area: H
Opt Target Field    Table ID   Ele Sub X M Ty Description       Seq   ID C
1_  _____  _____       1     M  DT DATE               10   373
__  _____  _____       2     M  AN INVOICE NUMBER     20    76
__  _____  _____       3     O  DT DATE               30   373
__  _____  _____       4     O  AN PURCHASE ORDER NUMBER  40  324
__  _____  _____       5     O  AN RELEASE NUMBER     50   328
__  _____  _____       6     O  AN CHANGE ORDER SEQUENCE  60  327
                                                            More...
F1=Help  F10=Update  F12=Cancel  F16=Prev Rcd  F17=Next Rcd  F24=More Keys
```

3. Repeat the instructions used in steps 1 and 2 to select the application fields to map to Invoice Number, Purchase Order date, and Purchase Order number (Elements 2, 3, and 4).

    The figure at right shows how the panel should look once you have mapped these elements.

4. Press **F17** (Next Rcd) to update the panel and advance to the next segment (NTE).

```
EDIX526    CTL01    From Application Fields              04/30/08  12:00:00
Application: INVOUT       S/R: S       1=Select
Opt Rec Type   No  Field Name    Typ Len Cde Description
 __ WPEINVHDR   5 F010.IHB2#      AN   9  M  BILLTO ACCT#
 __ WPEINVHDR  10 F010.IHINV#     AN  10  M  INVOICE #
 __ WPEINVHDR  15 F010.IHCRDB     AN   1  M  CREDIT/DEBIT FLAG:C OR BLANK
 __ WPEINVHDR  20 F010.IHINDT     CY   8  M  INVOICE DATE YYMD
 __ WPEINVHDR  25 F010.IHPO#      AS  20  M  PURCHASE ORDER #
 __ WPEINVHDR  30 F010.IHPODT     CY   8  M  PO DATE YYMD
                                                              More...
_____
EDIX525    CTL01    To Transaction Element Mapping
Map: 810OUT     S/R: S              1=Select 11=Ext Map 12=Subfield 13=Codes
Seg ID: BIG BEGINNING SEGMENT FOR INVOICE      Seq.  100  Area: H
Opt Target Field    Table ID    Ele Sub X M Ty Description          Seq  ID C
 __ F010.IHINDT     _____     1       M DT DATE                   10  373
 __ F010.IHINV#     _____     2       M AN INVOICE NUMBER         20   76
 __ F010.IHPODT     _____     3       O DT DATE                   30  373
 __ F010.IHPO#      _____     4       O AN PURCHASE ORDER NUMBER  40  324
 __ _____        _____     5       O AN RELEASE NUMBER         50  328
 __ _____        _____     6       O AN CHANGE ORDER SEQUENCE  60  327
                                                              More...
F1=Help  F10=Update  F12=Cancel  F16=Prev Rcd  F17=Next Rcd  F24=More Keys
```

Step 10: Map the NTE Segment

To select an EDI code to map to Element 1, complete the following instructions:

1. Enter **13** (Codes) in the Option field next to Element 1 and press **Enter**.

   A pop-up window is displayed.

```
EDIX526    CTL01     From Application Fields          04/30/08  12:00:00
Application: INVOUT       S/R: S        1=Select
Opt
___  Position to Code Value . . . . . .  _____
___    1=Select
___      Code Value Description
___  __ EXT         EXTERIOR DESCRIPTION
___  __ FEE         FEE DESCRIPTION
___  __ FUT         FUTURE PLANS
     1  GEN         ENTIRE TRANSACTION SET
                                                            More...
EDI  F1=Help   F3=Exit   F12=Cancel
Map
Seg
Opt
13
___  _____   _____          M AN DESCRIPTION          20  352


                                                            Bottom
F1=Help  F10=Update  F12=Cancel  F16=Prev Rcd  F17=Next Rcd  F24=More Keys
```

2. Press **Page Up/Page Down** to find the code GEN. Enter **1** next to the code GEN and press **Enter** to select it. Optionally, you can just enter the EDI code, enclosed by single quotes, into the field.

3. Use option **1** to map F020.ICMSG to Element 2 or simply enter it in the field. Press **Enter** to update.

```
EDIX526    CTL01     From Application Fields          04/30/08  12:00:00
Application: INVOUT       S/R: S        1=Select
Opt Rec Type   No  Field Name     Typ Len Cde Description
    WPEINVHDR   5  F010.IHB2#      AN   9  M   BILLTO ACCT#
    WPEINVHDR  10  F010.IHINV#     AN  10  M   INVOICE #
    WPEINVHDR  15  F010.IHCRDB     AN   1  M   CREDIT/DEBIT FLAG:C OR BLANK
    WPEINVHDR  20  F010.IHINDT     CY   8  M   INVOICE DATE YYMD
    WPEINVHDR  25  F010.IHPO#      AS  20  M   PURCHASE ORDER #
    WPEINVHDR  30  F010.IHPODT     CY   8  M   PO DATE YYMD
                                                            More...
EDIX525    CTL01     To Transaction Element Mapping
Map: 810OUT     S/R: S            1=Select 11=Ext Map 12=Subfield 13=Codes
Seg ID: NTE NOTE/SPECIAL INSTRUCTION        Seq.  200  Area: H
Opt Target Field    Table ID   Ele Sub X M Ty Description          Seq   ID C
___  'GEN'          _____   1        O ID NOTE REFERENCE CODE   10  363
___  F020.ICMSG     _____   2        M AN DESCRIPTION           20  352


                                                            Bottom
F1=Help  F10=Update  F12=Cancel  F16=Prev Rcd  F17=Next Rcd  F24=More Keys
```

4. Enter **11** (Ext Map) in the Option field next to 'GEN' as shown on the panel at right, and press **Enter**.

   The Work with Extended Mapping panel is displayed.

```
EDIX526    CTL01     From Application Fields          04/30/08  12:00:00
Application: INVOUT       S/R: S        1=Select
Opt Rec Type   No  Field Name     Typ Len Cde Description
    WPEINVHDR   5  F010.IHB2#      AN   9  M   BILLTO ACCT#
    WPEINVHDR  10  F010.IHINV#     AN  10  M   INVOICE #
    WPEINVHDR  15  F010.IHCRDB     AN   1  M   CREDIT/DEBIT FLAG:C OR BLANK
    WPEINVHDR  20  F010.IHINDT     CY   8  M   INVOICE DATE YYMD
    WPEINVHDR  25  F010.IHPO#      AS  20  M   PURCHASE ORDER #
    WPEINVHDR  30  F010.IHPODT     CY   8  M   PO DATE YYMD
                                                            More...
EDIX525    CTL01     To Transaction Element Mapping
Map: 810OUT     S/R: S            1=Select 11=Ext Map 12=Subfield 13=Codes
Seg ID: NTE NOTE/SPECIAL INSTRUCTION        Seq.  200  Area: H
Opt Target Field    Table ID   Ele Sub X M Ty Description          Seq   ID C
11   'GEN'          _____   1        O ID NOTE REFERENCE CODE   10  363
___  F020.ICMSG     _____   2        M AN DESCRIPTION           20  352




                                                            Bottom
F1=Help  F10=Update  F12=Cancel  F16=Prev Rcd  F17=Next Rcd  F24=More Keys
```

5. Enter **2** (Revise) in the Option field next to the first extended map and press **Enter** to display the Extended Outbound Mapping panel.

```
EDIX506                Work with Extended Mapping              EDI 04/30/08
FMT01                  pgmlib: G3X5PGM    dtalib: G3X5DTA           12:00:00

Position to Segment Seq. . . . . .   200 10  For 810OUT    S

Type option (and Information), press Enter.
  1=Create  2=Revise  3=Copy  4=Delete  5=View
       Seg      Ele                        A  Seg
Opt    Seq      Seq   Map Constant/Field   C  ID      Description

2      200       10    0  'GEN'            H  NTE     NOTE REFERENCE CODE
       200       20    0  F020.ICMSG       H  NTE     DESCRIPTION
       400       10    0                   H  REF     REFERENCE IDENTIFICATI
       400       20    0                   H  REF     REFERENCE IDENTIFICATI
       400       30    0                   H  REF     DESCRIPTION
       400       40    0                   H  REF     REFERENCE IDENTIFICATION
       400       50    0                   H  REF     REFERENCE IDENTIFICATION
       400       60    0                   H  REF     REFERENCE IDENTIFICATION
       400       70    0                   H  REF     REFERENCE IDENTIFICATION
                                                                      More...
Parameters or command
===>
F1=Help  F3=Exit  F12=Cancel  F15=Sort  F24=More Keys
```

Next, specify an If-condition to prevent the code GEN from being written if there is no message. To add the If-condition, complete the following instructions:

6. Enter **F020.ICMSG** (or press **F19** (Appl) to select the field from a list) on the If-condition line under the Value field to identify the application field to be checked.

```
EDIX508                Extended Outbound Mapping             EDI 04/30/08
FMT01                                                             12:00:00
Segment ID . . . . . . . . . . . .  NTE        Transaction ID . . .  810OUT
Area Code. . . . . . . . . . . . .  H          Send or Receive. . .  S
Element Number . . . . . . . . . .  10         Element ID . . . . .  0363
Segment Sequence . . . . . . . . .  200        Mapping Number . . .  0
                            Mapping of Data Element
  Element = _____
    Or       Value          Op Value          Op Value
  Element = 'GEN'
    If       F020.ICMSG     GT ' '             __  _____
  And/Or     _____ __ _____  Round Element. . . .   #Dec
Table ID . . . . . . . . . . . . .             Type of Table. . . .
Add to Hash Total #. . . . . . . .   _         Length (Minimum) . .   3
Save in Constant # . . . . . . . .   _         Length (Maximum) . .   3
Add 1 to Accumulator # . . . . . .   _         Group Req Cd . . . .
User Exit Routine. . . . . . . . .   _         Related. . . . . . .   N
Mandatory Code . . . . . . . . . .   O         Type . . . . . . . .   ID
Element Group. . . . . . . . . . .             Type . . . . . . . .
Segment Description. . . . . . . .  NOTE/SPECIAL INSTRUCTION
Element Description. . . . . . . .  NOTE REFERENCE CODE

F1=Help  F2=More/Less  F10=Update  F14=Notes  F19=Appl  F24=More Keys
```

7. Enter **GT** (Greater Than) in the Op (Operator) field or press **F4** (Prompt) for a list of valid operators that can be used in the Operator field for the If-condition.

8. Enter ' ' (single quote, space, single quote) in the second value field on the If-condition line. This enables you to check for a BLANK field.

9. Press **F10** (Update) to update the panel. This action returns you to the previous panel and displays the message **Revise Operation Successful** at the bottom of the panel.

10. Press **F12** (Cancel) to return to the Split Screen Mapping panel. Notice the Y that appears in the X field for Element 1. This indicates that an Extended Mapping panel exists for this element.

11. Press **F17** (Next Rcd) to advance to the next segment (REF).

Step 11: Map the REF segment

1. Enter **'DP'** (enclosed in single quotes to indicate a literal value) in the Target field for Element 1 to indicate a department number.

```
EDIX526    CTL01    From Application Fields              04/30/08  12:00:00
Application: INVOUT      S/R: S      1=Select
Opt Rec Type   No  Field Name     Typ Len Cde Description
    WPEINVHDR   5  F010.IHB2#      AN   9  M  BILLTO ACCT#
    WPEINVHDR  10  F010.IHINV#     AN  10  M  INVOICE #
    WPEINVHDR  15  F010.IHCRDB     AN   1  M  CREDIT/DEBIT FLAG:C OR BLANK
    WPEINVHDR  20  F010.IHINDT     CY   8  M  INVOICE DATE YYMD
    WPEINVHDR  25  F010.IHPO#      AS  20  M  PURCHASE ORDER #
    WPEINVHDR  30  F010.IHPODT     CY   8  M  PO DATE YYMD
                                                                More...
_____
EDIX525    CTL01    To Transaction Element Mapping
Map: 810OUT    S/R: S                1=Select 11=Ext Map 12=Subfield 13=Codes
Seg ID: REF Dept number                      Seq.   400  Area: H
Opt Target Field     Table ID   Ele Sub X M Ty Description       Seq   ID C
11  'DP'                          1       M AN REFERENCE IDENTIFICATI 10  128
__  F010.IHSDPT                   2       C AN REFERENCE IDENTIFICATI 20  127 Y
__                                3       C AN DESCRIPTION            30  352
__                            4   1       M AN REFERENCE IDENTIFICATI 40  128
__                                2       M AN REFERENCE IDENTIFICATI 50  127
__                                3       C AN REFERENCE IDENTIFICATI 60  128
                                                                More...
F1=Help  F10=Update  F12=Cancel  F16=Prev Rcd  F17=Next Rcd  F24=More Keys
```

2. Enter **F010.IHSDPT** in Element 2 or use option **1** to select the field from the field list in the top half of the screen.

3. Enter **11** (Ext Map) in the Option field next to the 'DP' element and press **Enter**.

4. Enter **2** (Revise) in the Option field next to the first extended map and press **Enter** to display the Extended Outbound Mapping panel.

```
EDIX506                    Work with Extended Mapping            EDI 04/30/08
FMT01              pgmlib: G3X5PGM    dtalib: G3X5DTA                 12:00:00

Position to Segment Seq. . . . . .   400 10  For 810OUT     S

Type option (and Information), press Enter.
  1=Create  2=Revise  3=Copy  4=Delete  5=View
       Seg      Ele                   A  Seg
Opt    Seq      Seq   Map Constant/Field  C  ID     Description
2      400      10     0  'DP'            H  REF    REFERENCE IDENTIFICATI
__     400      20     0  F010.IHSDPT     H  REF    REFERENCE IDENTIFICATI
__     400      30     0                  H  REF    DESCRIPTION
__     400      40     0                  H  REF    REFERENCE IDENTIFICATION
__     400      50     0                  H  REF    REFERENCE IDENTIFICATION
__     400      60     0                  H  REF    REFERENCE IDENTIFICATION
__     400      70     0                  H  REF    REFERENCE IDENTIFICATION
__     400      80     0                  H  REF    REFERENCE IDENTIFICATION
__     400      90     0                  H  REF    REFERENCE IDENTIFICATION
                                                                More...
Parameters or command
===>
F1=Help  F3=Exit  F12=Cancel  F15=Sort  F24=More Keys
```

5. Enter **F010.IHSDPT** on the If-condition line under the value or use **F19** (Appl) to select the field from the list.

```
EDIX508                    Extended Outbound Mapping            EDI 04/30/08
FMT01                                                               12:00:00
Segment ID . . . . . . . . . . . .  REF       Transaction ID . . . 810OUT
Area Code. . . . . . . . . . . . .  H         Send or Receive. . .  S
Element Number . . . . . . . . . .  10        Element ID . . . . .  0128
Segment Sequence . . . . . . . . .  400       Mapping Number . . .  0
                        Mapping of Data Element
   Element = _____
    Or      Value       Op Value        Op Value
   Element = 'DP'
    If       F010.IHSDPT  GT  ' '         __ _____
    And/Or   __  _____                 Round Element. . . .  N #Dec 0
Table ID . . . . . . . . . . . . . _____  Type of Table. . . .
Add to Hash Total #. . . . . . . . __        Length (Minimum) . .  2
Save in Constant # . . . . . . . . __        Length (Maximum) . .  3
Add 1 to Accumulator # . . . . . . __        Group Req Cd . . . .
User Exit Routine. . . . . . . . .           Related. . . . . . .  N
Mandatory Code . . . . . . . . . . M         Type . . . . . . . .  AN
Element Group. . . . . . . . . . .           Type . . . . . . . .
Segment Description. . . . . . . .  Dept number
Element Description. . . . . . . .  REFERENCE IDENTIFICATI

F1=Help  F2=More/Less  F10=Update  F14=Notes  F19=Appl  F24=More Keys
```

6. Enter **GT** (Greater Than) in the Op field.

7. Enter **' '** (single quote, space, single quote) in the second value field on the If-condition line. This checks for a blank field.

8. Press **F10** (Update) to update and return to the Work with Extended Mapping panel.

9. Press **F12** (Cancel) to return to the Split Screen Mapping panel.

10. Press **F17** (Next Rcd) to advance to the next segment (Billto N1).

Step 12: Map the Billto N1 Segment

In this step, you will map the N1 segment for the Billto location.

1. Enter **'BT'** (with the single quotes) in the Target field for Element 1.

2. Enter **F010.IHB2NM** in the Target field for Element 2 or use option **1** to select the field from the list at the top.

3. Press **F17** (Next Rcd) to update and advance to the next segment (Billto N3).

```
EDIX526    CTL01     From Application Fields          04/30/08  12:00:00
Application: INVOUT      S/R: S       1=Select
Opt Rec Type   No  Field Name     Typ Len Cde Description
    WPEINVHDR   5 F010.IHB2#      AN   9  M  BILLTO ACCT#
    WPEINVHDR  10 F010.IHINV#     AN  10  M  INVOICE #
    WPEINVHDR  15 F010.IHCRDB     AN   1  M  CREDIT/DEBIT FLAG:C OR BLANK
    WPEINVHDR  20 F010.IHINDT     CY   8  M  INVOICE DATE YYMD
    WPEINVHDR  25 F010.IHPO#      AS  20  M  PURCHASE ORDER #
    WPEINVHDR  30 F010.IHPODT     CY   8  M  PO DATE YYMD
                                                                 More...
_____
EDIX525    CTL01     To Transaction Element Mapping
Map: 810OUT     S/R: S               1=Select 11=Ext Map 12=Subfield 13=Codes
Seg ID: N1  billto name                    Seq.  700  Area: H
Opt Target Field   Table ID   Ele Sub X M Ty Description          Seq   ID C
    'BT'                        1         M AN ENTITY IDENTIFIER CODE 10  98
    F010.IHB2NM                 2         C AN NAME                  20   93 Y
                                3         C ID IDENTIFICATION CODE QU 30  66 Y
                                4         C AN IDENTIFICATION CODE   40   67
                                5         O ID ENTITY RELATIONSHIP CO 50  706
                                6         O AN ENTITY IDENTIFIER CODE 60  98
                                                                      Bottom
F1=Help  F10=Update  F12=Cancel  F16=Prev Rcd  F17=Next Rcd  F24=More Keys
```

Step 13: Map the Billto N3 Segment

In this step, you will map the N3 segment for Billto address information.

1. Use Option **1** to select the F010.IHB2A1 field for Element 1 or enter the field name in the Target field.

2. Use Option **1** to select the F010.IHB2A2 field for Element 2 or enter the field name in the Target field.

3. Press **F17** (Next Rcd) to update and advance to the next segment (Billto N4).

```
EDIX526    CTL01     From Application Fields          04/30/08  12:00:00
Application: INVOUT      S/R: S       1=Select
Opt Rec Type   No  Field Name     Typ Len Cde Description
    WPEINVHDR   5 F010.IHB2#      AN   9  M  BILLTO ACCT#
    WPEINVHDR  10 F010.IHINV#     AN  10  M  INVOICE #
    WPEINVHDR  15 F010.IHCRDB     AN   1  M  CREDIT/DEBIT FLAG:C OR BLANK
    WPEINVHDR  20 F010.IHINDT     CY   8  M  INVOICE DATE YYMD
    WPEINVHDR  25 F010.IHPO#      AS  20  M  PURCHASE ORDER #
    WPEINVHDR  30 F010.IHPODT     CY   8  M  PO DATE YYMD
                                                                 More...
_____
EDIX525    CTL01     To Transaction Element Mapping
Map: 810OUT     S/R: S               1=Select 11=Ext Map 12=Subfield 13=Codes
Seg ID: N3  billto address                 Seq.  900  Area: H
Opt Target Field   Table ID   Ele Sub X M Ty Description          Seq   ID C
    F010.IHB2A1                 1         M AN ADDRESS INFORMATION   10  166
    F010.IHB2A2                 2         O AN ADDRESS INFORMATION   20  166




                                                                      Bottom
F1=Help  F10=Update  F12=Cancel  F16=Prev Rcd  F17=Next Rcd  F24=More Keys
```

Step 14: Map the Billto N4 Segment

In this step, you will map the N4 segment for Billto city and state information.

1. Use Option **1** to select the
    F010.IHB2CT field for
    Element 1 or enter the field
    name in the Target field.

2. Use Option **1** to select the
    F010.IHB2ST field for
    Element 2 or enter the field
    name in the Target field.

3. Use Option **1** to select the
    F010.IHB2ZP field for
    Element 3 or enter the field
    name in the Target field.

```
EDIX526    CTL01    From Application Fields          04/30/08  12:00:00
Application: INVOUT      S/R: S       1=Select
Opt Rec Type   No  Field Name    Typ Len Cde Description
    WPEINVHDR    5 F010.IHB2#      AN   9  M  BILLTO ACCT#
    WPEINVHDR   10 F010.IHINV#     AN  10  M  INVOICE #
    WPEINVHDR   15 F010.IHCRDB     AN   1  M  CREDIT/DEBIT FLAG:C OR BLANK
    WPEINVHDR   20 F010.IHINDT     CY   8  M  INVOICE DATE YYMD
    WPEINVHDR   25 F010.IHPO#      AS  20  M  PURCHASE ORDER #
    WPEINVHDR   30 F010.IHPODT     CY   8  M  PO DATE YYMD
                                                            More...
_____
EDIX525    CTL01    To Transaction Element Mapping
Map: 810OUT    S/R: S              1=Select 11=Ext Map 12=Subfield 13=Codes
Seg ID: N4  billto city/state            Seq. 1000  Area: H
Opt Target Field    Table ID   Ele Sub X M Ty Description       Seq   ID C
    F010.IHB2CT                 1         O AN CITY NAME          10   19
    F010.IHB2ST                 2         O ID STATE OR PROVINCE CODE 20 156
    F010.IHB2ZP                 3         O ID POSTAL CODE        30   116
                                4         O ID COUNTRY CODE       40   26
                                5         C ID LOCATION QUALIFIER 50   309
                                6         O AN LOCATION IDENTIFIER 60  310 Y
                                                            Bottom
F1=Help  F10=Update  F12=Cancel  F16=Prev Rcd  F17=Next Rcd  F24=More Keys
```

4. Press **F17** (Next Rcd) to
    update and advance to the next segment (Shipto N1).

Step 15: Map the Shipto N1 Segment

In this step, you will map the N1 segment for Shipto location.

1. Enter **'ST'** (with quotes) in
    the Target field for Element
    1 for Shipto.

2. Use Option **1** to select the
    F010.IHS2NM field for
    Element 2 or enter the field
    name in the Target field.

3. Enter **92** (with quotes) in
    the Target field for Element
    3 or use Option **13** (Codes)
    to select the 92 code from
    the list.

```
EDIX526    CTL01    From Application Fields          04/30/08  12:00:00
Application: INVOUT      S/R: S       1=Select
Opt Rec Type   No  Field Name    Typ Len Cde Description
    WPEINVHDR    5 F010.IHB2#      AN   9  M  BILLTO ACCT#
    WPEINVHDR   10 F010.IHINV#     AN  10  M  INVOICE #
    WPEINVHDR   15 F010.IHCRDB     AN   1  M  CREDIT/DEBIT FLAG:C OR BLANK
    WPEINVHDR   20 F010.IHINDT     CY   8  M  INVOICE DATE YYMD
    WPEINVHDR   25 F010.IHPO#      AS  20  M  PURCHASE ORDER #
    WPEINVHDR   30 F010.IHPODT     CY   8  M  PO DATE YYMD
                                                            More...
_____
EDIX525    CTL01    To Transaction Element Mapping
Map: 810OUT    S/R: S              1=Select 11=Ext Map 12=Subfield 13=Codes
Seg ID: N1  shipto name                  Seq. 1050  Area: H
Opt Target Field    Table ID   Ele Sub X M Ty Description       Seq   ID C
    'ST'                        1         M AN ENTITY IDENTIFIER CODE 10  98
    F010.IHS2NM                 2         C AN NAME              20   93 Y
    '92'                        3         C ID IDENTIFICATION CODE QU 30 66 Y
    F010.IHS2LC                 4         C AN IDENTIFICATION CODE 40   67
                                5         O ID ENTITY RELATIONSHIP CO 50 706
                                6         O AN ENTITY IDENTIFIER CODE 60  98
                                                            Bottom
F1=Help  F10=Update  F12=Cancel  F16=Prev Rcd  F17=Next Rcd  F24=More Keys
```

4. Use Option **1** to select the
    F010.IHS2LC field for Element 4 or enter the field name in the Target field.

5. Press **F17** (Next Rcd) to update and advance to the next segment (Remit To N1).

Step 16: Map the Remit To N1 Segment

In this step, you will map the N1 segment for the Remit To location.

To map the Remit To Name, complete the following instructions:

1. Enter **RE** (Remit to) in the Target field next to Element 1.

2. Use Option **1** to select the F010.IHR2NM field for Element 2 or enter the field name in the Target field.

3. Press **F17** (Next Rcd) to update and advance to the next segment (Remit To N3).

```
EDIX526    CTL01    From Application Fields           04/30/08  12:00:00
Application: INVOUT      S/R: S       1=Select
Opt Rec Type   No  Field Name     Typ Len Cde Description
    WPEINVHDR    5 F010.IHB2#      AN   9  M  BILLTO ACCT#
    WPEINVHDR   10 F010.IHINV#     AN  10  M  INVOICE #
    WPEINVHDR   15 F010.IHCRDB     AN   1  M  CREDIT/DEBIT FLAG:C OR BLANK
    WPEINVHDR   20 F010.IHINDT     CY   8  M  INVOICE DATE YYMD
    WPEINVHDR   25 F010.IHPO#      AS  20  M  PURCHASE ORDER #
    WPEINVHDR   30 F010.IHPODT     CY   8  M  PO DATE YYMD
                                                            More...
_____
EDIX525    CTL01    To Transaction Element Mapping
Map: 810OUT    S/R: S               1=Select 11=Ext Map 12=Subfield 13=Codes
Seg ID: N1  remitto address                  Seq. 1060  Area: H
Opt Target Field    Table ID   Ele Sub X M Ty Description        Seq   ID C
 __ 'RE'_____     _____     1      M AN ENTITY IDENTIFIER CODE 10   98
 __ F010.IHR2NM     _____     2      C AN NAME                20   93 Y
 __ _____       _____     3      C ID IDENTIFICATION CODE QU 30  66 Y
 __ _____       _____     4      C AN IDENTIFICATION CODE   40   67
 __ _____       _____     5      O ID ENTITY RELATIONSHIP CO 50  706
 __ _____       _____     6      O AN ENTITY IDENTIFIER CODE 60   98
                                                            Bottom
F1=Help  F10=Update  F12=Cancel  F16=Prev Rcd  F17=Next Rcd  F24=More Keys
```

Step 17: Map the Remit To N3 Segment

In this step, you will map the N3 segment for the Remit To address.

1. Use Option **1** to select the F010.IHR2A1 field for Element 1 or enter the field name in the Target field.

2. Press **F17** (Next Rcd) to update and advance to the next segment (Remit To N4).

```
EDIX526    CTL01    From Application Fields           04/30/08  12:00:00
Application: INVOUT      S/R: S       1=Select
Opt Rec Type   No  Field Name     Typ Len Cde Description
    WPEINVHDR    5 F010.IHB2#      AN   9  M  BILLTO ACCT#
    WPEINVHDR   10 F010.IHINV#     AN  10  M  INVOICE #
    WPEINVHDR   15 F010.IHCRDB     AN   1  M  CREDIT/DEBIT FLAG:C OR BLANK
    WPEINVHDR   20 F010.IHINDT     CY   8  M  INVOICE DATE YYMD
    WPEINVHDR   25 F010.IHPO#      AS  20  M  PURCHASE ORDER #
    WPEINVHDR   30 F010.IHPODT     CY   8  M  PO DATE YYMD
                                                            More...
_____
EDIX525    CTL01    To Transaction Element Mapping
Map: 810OUT    S/R: S               1=Select 11=Ext Map 12=Subfield 13=Codes
Seg ID: N3  remitto address                  Seq. 1070  Area: H
Opt Target Field    Table ID   Ele Sub X M Ty Description        Seq   ID C
 __ F010.IHR2A1     _____     1      M AN ADDRESS INFORMATION   10  166
 __ _____       _____     2      O AN ADDRESS INFORMATION   20  166



                                                            Bottom
F1=Help  F10=Update  F12=Cancel  F16=Prev Rcd  F17=Next Rcd  F24=More Keys
```

Step 18: Subfield the N4 Segment for Remit To

The postal code for the Remit To location consists of two fields: a five-character zip code and a four-character extension. These two fields can be concatenated by using subfield mapping, which allows the user to break a single element into multiple "sub-elements." An application field, constant, or literal value can be moved into each "sub-element."

1. Enter **12** in the Option field next to Element 3 (Postal Code) and press **Enter**.

```
EDIX526    CTL01    From Application Fields            04/30/08  12:00:00
Application: INVOUT      S/R: S      1=Select
Opt Rec Type   No  Field Name    Typ Len Cde Description
    WPEINVHDR   5 F010.IHB2#      AN  9  M  BILLTO ACCT#
    WPEINVHDR  10 F010.IHINV#     AN 10  M  INVOICE #
    WPEINVHDR  15 F010.IHCRDB     AN  1  M  CREDIT/DEBIT FLAG:C OR BLANK
    WPEINVHDR  20 F010.IHINDT     CY  8  M  INVOICE DATE YYMD
    WPEINVHDR  25 F010.IHPO#      AS 20  M  PURCHASE ORDER #
    WPEINVHDR  30 F010.IHPODT     CY  8  M  PO DATE YYMD
                                                            More...
_____
EDIX525    CTL01    To Transaction Element Mapping
Map: 810OUT    S/R: S           1=Select 11=Ext Map 12=Subfield 13=Codes
Seg ID: N4  remitto city/state           Seq. 1080  Area: H
Opt Target Field    Table ID   Ele Sub X M Ty Description        Seq   ID C
___ _____ _____     1       O AN CITY NAME           10   19
___ _____ _____     2       O ID STATE OR PROVINCE CODE 20 156
12  _____ _____     3       O SF POSTAL CODE         30  116
___ _____ _____     4       O AN COUNTRY CODE        40   26
___ _____ _____     5       O AN LOCATION QUALIFIER  50  309
___ _____ _____     6       O ID LOCATION IDENTIFIER 60  310
                                                            More...
 F1=Help  F10=Update  F12=Cancel  F16=Prev Rcd  F17=Next Rcd  F24=More Keys
```

2. Enter **31** in the first Seq No field.

3. Enter **1** in the From field.

4. Enter **5** in the To field.

5. Enter **O** (uppercase letter 'O') in the MC (Mandatory/Optional) field.

6. Enter **AN** in the Type field.

7. Enter **ZIP 5** in the Description field.

8. Repeat steps 2 – 7 for sub-element 32 with the values shown in the figure.

```
EDIX507                      Subfield                  EDI 04/30/08
CTL01                                                     12:00:00

Transaction ID . . . . . . . . . . 810OUT     Segment ID . . . . . N4
Send or Receive. . . . . . . . . . S          Element ID . . . . . 0116
Segment Sequence . . . . . . . . . 1080       Element Type . . . . ID
Element Sequence . . . . . . . . . 30         Minimum Length . . .  3
Mandatory Code . . . . . . . . . . O          Maximum Length . . . 15
Segment Description. . . . . . . . remitto city/state
Element Description. . . . . . . . POSTAL CODE

Type option, press Enter.
  4=Delete

Opt   Seq Positions M Type Description
      No  From  To  C
 __   31   1    5 O AN   ZIP 5
 __   32   6    9 O AN   ZIP+4
 __   __   __   __ __ __
 __   __   __   __ __ __
 __   __   __   __ __ __
                                                          More...
 F1=Help  F4=Prompt  F5=Refresh  F10=Update  F12=Cancel
```

9. Press **F10** (Update) to add the two sub-elements to the map and to return to the Split Screen Mapping panel.

Step 19: Map the Remit To N4 segment

1. Enter **F010.IHR2CT** in the Target field for Element 1 or use option **1** to select the field.

```
EDIX526    CTL01    From Application Fields          04/30/08  12:00:00
Application: INVOUT      S/R: S      1=Select
Opt Rec Type   No  Field Name     Typ Len Cde Description
    WPEINVHDR    5 F010.IHB2#      AN   9  M  BILLTO ACCT#
    WPEINVHDR   10 F010.IHINV#     AN  10  M  INVOICE #
    WPEINVHDR   15 F010.IHCRDB     AN   1  M  CREDIT/DEBIT FLAG:C OR BLANK
    WPEINVHDR   20 F010.IHINDT     CY   8  M  INVOICE DATE YYMD
    WPEINVHDR   25 F010.IHPO#      AS  20  M  PURCHASE ORDER #
    WPEINVHDR   30 F010.IHPODT     CY   8  M  PO DATE YYMD
                                                            More...
_____
EDIX525    CTL01    To Transaction Element Mapping
Map: 810OUT    S/R: S              1=Select 11=Ext Map 12=Subfield 13=Codes
Seg ID: N4  remitto city/state              Seq.  1080  Area: H
Opt Target Field    Table ID   Ele Sub X M Ty Description        Seq   ID C
___ F010.IHR2CT     _____    1        O AN CITY NAME          10   19
___ F010.IHR2ST     _____    2        O ID STATE OR PROVINCE CODE 20 156
                                3        O SF POSTAL CODE        30  116
___ F010.IHR2ZP     _____             O AN ZIP 5             31
___ F010.IHR2Z4     _____             O AN ZIP+4             32
___                             4        O ID COUNTRY CODE       40   26
                                                            More...
F1=Help F10=Update F12=Cancel F16=Prev Rcd  F17=Next Rcd  F24=More Keys
Update Operation Successful
```

2. Enter **F010.IHR2ST** in the Target field for Element 2 or use option **1** to select the field.

3. Enter **F010.IHR2ZP** in the Target field for Element Sequence 31 or use option **1** to select the field.

4. **Enter F010.IHR2Z4** in the Target field for Element Sequence 32 or use option **1** to select the field.

5. Press **F17** (Next Rcd) to update and advance to the next segment (DTM).

Step 20: Map the DTM Segment

In this step, you will map the DTM segment for the Ship To date.

1. Enter the value **'011'** (in single quotes) in the Target field for Element 1.

```
EDIX526    CTL01    From Application Fields          04/30/08  12:00:00
Application: INVOUT      S/R: S      1=Select
Opt Rec Type   No  Field Name     Typ Len Cde Description
    WPEINVHDR    5 F010.IHB2#      AN   9  M  BILLTO ACCT#
    WPEINVHDR   10 F010.IHINV#     AN  10  M  INVOICE #
    WPEINVHDR   15 F010.IHCRDB     AN   1  M  CREDIT/DEBIT FLAG:C OR BLANK
    WPEINVHDR   20 F010.IHINDT     CY   8  M  INVOICE DATE YYMD
    WPEINVHDR   25 F010.IHPO#      AS  20  M  PURCHASE ORDER #
    WPEINVHDR   30 F010.IHPODT     CY   8  M  PO DATE YYMD
                                                            More...
_____
EDIX525    CTL01    To Transaction Element Mapping
Map: 810OUT    S/R: S              1=Select 11=Ext Map 12=Subfield 13=Codes
Seg ID: DTM ship date                       Seq.  1500  Area: H
Opt Target Field    Table ID   Ele Sub X M Ty Description        Seq   ID C
___ '011'           _____    1        M AN DATE/TIME QUALIFIER 10  374
___ F010.IHSHDT     _____    2        C DT DATE              20  373 Y
___                             3        C AN TIME              30  337
___                             4        O ID TIME CODE         40  623 Y
___                             5        C ID DATE TIME PERIOD FORMA 50 1250 Y
___                             6        C AN DATE TIME PERIOD   60 1251
                                                            Bottom
F1=Help  F10=Update  F12=Cancel  F16=Prev Rcd  F17=Next Rcd  F24=More Keys
```

2. Enter **F010.IHSHDT** in the Target field for Element 2 or use option **1** to select the field.

3. Press **F17** (Next Rcd) to update the panel and to advance to the next segment (element 10 in the IT1 segment).

Step 21: Map Element Sequence 10 of the IT1 Segment

Segment IT1 is the first segment in the detail loop. It contains the information that needs to be mapped for the line item segment. This segment will be mapped from the extended mapping panel.

First, you will need to set up the map to count the number of line items. This is accomplished by using one of the reserved 'accumulator' formulas.

1. Enter **11** in the Option field next to Element 1 and press **Enter**.

```
EDIX526    CTL01    From Application Fields          04/30/08   12:00:00
Application: INVOUT      S/R: S        1=Select
Opt Rec Type   No  Field Name    Typ Len Cde Description
    WPEINVITM   5 F030.IDB2#      AN   9  M  BILLTO ACCT#
    WPEINVITM  10 F030.IDINV#     AN  10  M  INVOICE#
    WPEINVITM  15 F030.IDITEM     AN   6  M  ITEM # (OUR ITM)
    WPEINVITM  20 F030.IDQTY      P0   5  M  QTY SHIPPED
    WPEINVITM  25 F030.IDUPRI     P0   7  M  UNIT PRICE
    WPEINVITM  30 F030.IDUOM      AN   4  M  UNIT OF MEASURE
                                                              More...
_____
EDIX525    CTL01    To Transaction Element Mapping
Map: 810OUT    S/R: S            1=Select 11=Ext Map 12=Subfield 13=Codes
Seg ID: IT1 BASELINE ITEM DATA (INVOICE)        Seq. 3400  Area: D
Opt Target Field    Table ID   Ele Sub X M Ty Description          Seq   ID C
11  _____  _____      1       O AN ASSIGNED IDENTIFICATIO   10  350
    _____  _____      2       C R  QUANTITY INVOICED        20  358 Y
    _____  _____      3       C ID UNIT OR BASIS FOR MEAS   30  355
    _____  _____      4       C R  UNIT PRICE               40  212
    _____  _____      5       O ID BASIS OF UNIT PRICE CO   50  639
    _____  _____      6       C ID PRODUCT/SERVICE ID QUA   60  235 Y
                                                              More...
F1=Help  F10=Update  F12=Cancel  F16=Prev Rcd  F17=Next Rcd  F24=More Keys
```

2. Enter **2** (Revise) in the option field next to the Element Seq 10 and press **Enter**.

```
EDIX506                  Work with Extended Mapping          EDI 04/30/08
FMT01              pgmlib: G3X5PGM     dtalib: G3X5DTA              12:00:00

Position to Segment Seq. . . . . .  3400 10  For 810OUT     S

Type option (and Information), press Enter.
 1=Create  2=Revise  3=Copy  4=Delete  5=View
      Seg       Ele                      A Seg
Opt   Seq       Seq    Map Constant/Field C ID      Description

2    3400       10      0                 D IT1  ASSIGNED IDENTIFICATION
     3400       20      0                 D IT1  QUANTITY INVOICED
     3400       30      0                 D IT1  UNIT OR BASIS FOR MEASURE
     3400       40      0                 D IT1  UNIT PRICE
     3400       50      0                 D IT1  BASIS OF UNIT PRICE CODE
     3400       60      0                 D IT1  PRODUCT/SERVICE ID QUALIF
     3400       70      0                 D IT1  PRODUCT/SERVICE ID
     3400       80      0                 D IT1  PRODUCT/SERVICE ID QUALIF
     3400       90      0                 D IT1  PRODUCT/SERVICE ID
                                                              More...
Parameters or command
===>_____
F1=Help  F3=Exit  F12=Cancel  F15=Sort  F24=More Keys
```

3. On the Extended Outbound Mapping panel, enter **ACCUMULATOR-01** as the Value on the Element line.

4. Enter **01** in the "Add 1 to Accumulator #" field. This will add 1 to the accumulator 01 and then map the accumulator 01 value into Element 10.

5. Press **F17** (Next Rcd) to update the record and to advance to element 20 in the IT1 segment.

```
EDIX508                Extended Outbound Mapping          EDI 04/30/08
FMT01                                                         12:00:00
Segment ID . . . . . . . . . . . . IT1      Transaction ID . . 810OUT
Area Code. . . . . . . . . . . . D          Send or Receive. . . S
Element Number . . . . . . . . .  10        Element ID . . . . . 0350
Segment Sequence . . . . . . . .  3400      Mapping Number. . . . 0
                         Mapping of Data Element
   Element = _____
     Or      Value      Op Value         Op Value
   Element = ACCUMULATOR-01  __ _____      __ _____
    If
    And/Or  _____  _____      Round Element. . . . N #Dec 0
Table ID . . . . . . . . . . . .     __      Type of Table. . . .
Add to Hash Total #. . . . . . . .    __     Length (Minimum) . .  1
Save in Constant # . . . . . . . .    __     Length (Maximum) . .  20
Add 1 to Accumulator # . . . . . .    01     Group Req Cd . . . .
User Exit Routine. . . . . . . .             Related. . . . . . . N
Mandatory Code . . . . . . . . .     O       Type . . . . . . . . AN
Element Group. . . . . . . . . .             Type . . . . . . . .
Segment Description. . . . . . . . BASELINE ITEM DATA (INVOICE)
Element Description. . . . . . . . ASSIGNED IDENTIFICATION

F1=Help  F2=More/Less  F10=Update  F14=Notes  F19=Appl  F24=More Keys
```

Step 22: Map Element 20 of the IT1 Segment

In this step, you will map element 20 of the IT1 segment.

1. In the Element = field, press **F19** (Appl) to select from a list of application fields.

2. Enter **1** next to F030.IDQTY and press **Enter** to select.

```
EDIX508                    Extended Outbound Mapping            XX  04/30/08
FMT01                                                               12:00:00
Segment ID . . . . . . . . . . . .  IT1        Transaction ID . . .  810OUT
Area Code. . . . . . . . . . . . .  D          Send or Receive. . .  S
Element Number . . . . . . . . . .  20         Element ID . . . . .  0358
Segment Sequence . . . . . . . . .  3400       Mapping Number. . . .  0
                            Mapping of Data Element
           Value            Op Value          Op Value
  Element = _____     __ _____    __ _____
  If
   An    Description. . . . . . . . . . .  QUANTITY INVOICED
 Table     1=Select
 Add t     Rec Type   No. Field Name     Ty Len M Description
 Save   __ WPEINVITM    5 F030.IDB2#      AN   9 M BILLTO ACCT#
 Add 1  __ WPEINVITM   10 F030.IDINV#     AN  10 M INVOICE#
 User   __ WPEINVITM   15 F030.IDITEM     AN   6 M ITEM # (OUR ITM)
 Manda  1  WPEINVITM   20 F030.IDQTY      P0   5 M QTY SHIPPED
 Eleme                                                         More...
 Segme     F1=Help  F3=Exit  F12=Cancel
 Eleme

 F1=He
```
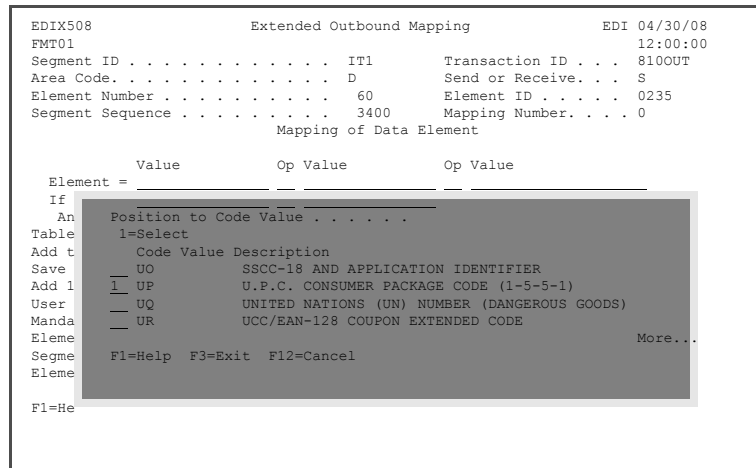
3. Enter **01** in the "Add to Hash Total #" field.

4. Press **F17** (Next Rcd) to update and advance to element 30 in the IT1 segment.

```
EDIX508                    Extended Outbound Mapping           EDI 04/30/08
FMT01                                                              12:00:00
Segment ID . . . . . . . . . . . .  IT1        Transaction ID . . .  810OUT
Area Code. . . . . . . . . . . . .  D          Send or Receive. . .  S
Element Number . . . . . . . . . .  20         Element ID . . . . .  0358
Segment Sequence . . . . . . . . .  3400       Mapping Number . . .  0
                            Mapping of Data Element
  Element = _____
   Or     Value          Op Value          Op Value
  Element = F030.IDQTY_____  __ _____    __ _____
  If            _____  __ _____
   And/Or _ _____  __ _____      Round Element. . . .  N #DEC 0
 Table ID . . . . . . . . . . . . .           Type of Table. . . .
 Add to Hash Total #. . . . . . . .  01       Length (Minimum) . .   1
 Save in Constant # . . . . . . . .  __       Length (Maximum) . .  10
 Add 1 to Accumulator # . . . . . .  __       Group Req Cd . . . .
 User Exit Routine. . . . . . . . .           Related. . . . . . .  Y
 Mandatory Code . . . . . . . . . .  C        Type . . . . . . . .  R
 Element Group. . . . . . . . . . .           Type . . . . . . . .
 Segment Description. . . . . . . .  BASELINE ITEM DATA (INVOICE)
 Element Description. . . . . . . .  QUANTITY INVOICED

 F1=Help  F2=More/Less  F10=Update  F14=Notes  F19=Appl  F24=More Keys
```

Step 23: Map Element 30 of the IT1 Segment

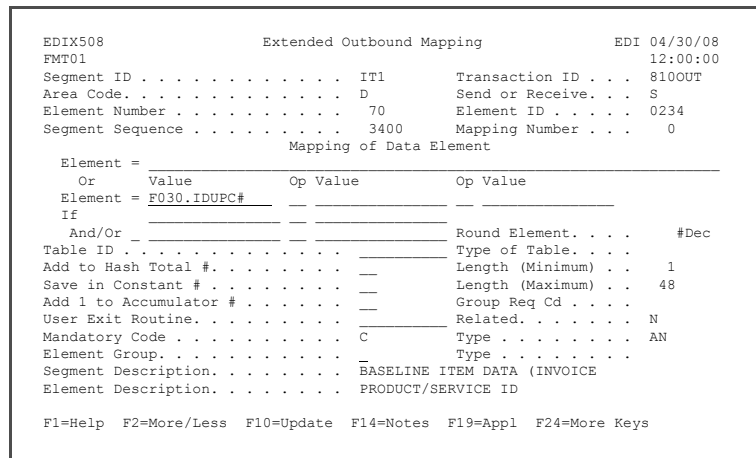In this step, you will map element 30 of the IT1 segment.

1. Enter **F030.IDUOM** in the Element field or use **F19** to select the field from the list.

    A truncation warning message is displayed when you press Enter or select the field from the **F19** window. Press **Enter** to acknowledge and bypass the message. This is the reason a table is being used: to convert the application code to the EDI code.

```
EDIX508                    Extended Outbound Mapping              EDI 04/30/08
FMT01                                                                 12:00:00
Segment ID . . . . . . . . . . . .  IT1        Transaction ID . . .  810OUT
Area Code. . . . . . . . . . . . .  D          Send or Receive. . .  S
Element Number . . . . . . . . . .   30        Element ID . . . . .  0355
Segment Sequence . . . . . . . . .  3400       Mapping Number . . .  0
                            Mapping of Data Element
     Element = _____
      Or      Value        Op Value          Op Value
     Element = F030.IDUOM____  __  _____  __  _____
      If      _____  __  _____
      And/Or  _____  __  _____      Round Element. . . .    #Dec
    Table ID . . . . . . . . . . . .  UNITMEAS  Type of Table. . . .  CODE
    Add to Hash Total #. . . . . . .   __       Length (Minimum) . .   2
    Save in Constant # . . . . . . .   __       Length (Maximum) . .   2
    Add 1 to Accumulator # . . . . .   __       Group Req Cd . . . .
    User Exit Routine. . . . . . . .            Related. . . . . . .  N
    Mandatory Code . . . . . . . . .   C        Type . . . . . . . .  ID
    Element Group. . . . . . . . . .            Type . . . . . . . .
    Segment Description. . . . . . .  BASELINE ITEM DATA (INVOICE)
    Element Description. . . . . . .  UNIT OR BASIS FOR MEASUREMENT CODE

    F1=Help  F2=More/Less  F10=Update  F14=Notes  F19=Appl  F24=More Keys
```

2. On the Table ID field, press **F4** (Prompt) to see the list of available tables.

3. Enter **1** in the field next to UNITMEAS and press **Enter** to select the table.

4. Press **F17** (Next Rcd) to update the record and advance to element 40 in the IT1 segment.

Step 24: Map Element 40 of the IT1 Segment

In this step, you will map element 40 of the IT1 segment.

1. Enter **F030.IDUPRI** in the Element field or use **F19** to select the field from the list.

2. Press **F17** (Next Rcd) to update the record and to advance to the next element in the IT1 segment.

3. Press **F17** (Next Rcd) to go to Element 60.

```
EDIX508                    Extended Outbound Mapping              EDI 04/30/08
FMT01                                                                 12:00:00
Segment ID . . . . . . . . . . . .  IT1        Transaction ID . . .  810OUT
Area Code. . . . . . . . . . . . .  D          Send or Receive. . .  S
Element Number . . . . . . . . . .   40        Element ID . . . . .  0212
Segment Sequence . . . . . . . . .  3400       Mapping Number. . .   0
                            Mapping of Data Element
     Element = _____
      Or      Value        Op Value          Op Value
     Element = F030.IDUPRI___  __  _____  __  _____
      If      _____  __  _____
      And/Or  _____  __  _____      Round Element. . . .   N #Dec 0
    Table ID . . . . . . . . . . . .  _____  Type of Table. . . .
    Add to Hash Total #. . . . . . .   __       Length (Minimum) . .   1
    Save in Constant # . . . . . . .   __       Length (Maximum) . .  17
    Add 1 to Accumulator # . . . . .   __       Group Req Cd . . . .
    User Exit Routine. . . . . . . .            Related. . . . . . .  N
    Mandatory Code . . . . . . . . .   C        Type . . . . . . . .  R
    Element Group. . . . . . . . . .            Type . . . . . . . .
    Segment Description. . . . . . .  BASELINE ITEM DATA (INVOICE)
    Element Description. . . . . . .  UNIT PRICE

    F1=Help  F2=More/Less  F10=Update  F14=Notes  F19=Appl  F24=More Keys
```

Step 25: Map Element 60 of the IT1 Segment

In this step, you will map element 60 of the IT1 segment.

1. On the Element = field, press **F20** (Codes).

2. Enter **1** next to the code UP and press **Enter** to select it. Optionally, you can enter **UP** in the Element field.

3. Press **F17** (Next Rcd) to update the record and to advance to element 70 in the IT1 segment.

```
EDIX508                   Extended Outbound Mapping              EDI 04/30/08
FMT01                                                                12:00:00
Segment ID . . . . . . . . . . . .  IT1        Transaction ID . . .  810OUT
Area Code. . . . . . . . . . . .    D          Send or Receive. . .  S
Element Number . . . . . . . . . .    60       Element ID . . . . .  0235
Segment Sequence . . . . . . . . .  3400       Mapping Number. . . . 0
                               Mapping of Data Element

           Value            Op Value           Op Value
  Element = _____  __ _____  __ _____
  If       _____
  An    Position to Code Value . . . . . .
Table      1=Select
Add t       Code Value Description
Save   __   UO       SSCC-18 AND APPLICATION IDENTIFIER
Add 1  1_   UP       U.P.C. CONSUMER PACKAGE CODE (1-5-5-1)
User   __   UQ       UNITED NATIONS (UN) NUMBER (DANGEROUS GOODS)
Manda  __   UR       UCC/EAN-128 COUPON EXTENDED CODE
Eleme                                                               More...
Segme    F1=Help  F3=Exit  F12=Cancel
Eleme

F1=He
```

Step 26: Map Element 70 of the IT1 Segment

In this step, you will map element 70 of the IT1 segment.

1. Enter **F030.IDUPC#** in the Element field or use **F19** to select the field from the list.

2. Press **F17** (Next Rcd) to update the record and to advance to element 80 in the IT1 segment.

```
EDIX508                   Extended Outbound Mapping              EDI 04/30/08
FMT01                                                                12:00:00
Segment ID . . . . . . . . . . . .  IT1        Transaction ID . . .  810OUT
Area Code. . . . . . . . . . . .    D          Send or Receive. . .  S
Element Number . . . . . . . . . .    70       Element ID . . . . .  0234
Segment Sequence . . . . . . . . .  3400       Mapping Number . . .    0
                               Mapping of Data Element
  Element = _____
    Or      Value           Op Value           Op Value
  Element = F030.IDUPC#_____  __ _____  __ _____
  If        _____  __ _____
   And/Or _ _____  __ _____   Round Element. . . .     #Dec
Table ID . . . . . . . . . . . . .  _____ Type of Table. . . .
Add to Hash Total #. . . . . . . .  __         Length (Minimum) . .    1
Save in Constant # . . . . . . . .  __         Length (Maximum) . .   48
Add 1 to Accumulator # . . . . . .  __         Group Req Cd . . . .
User Exit Routine. . . . . . . . .  _____ Related. . . . . . .   N
Mandatory Code . . . . . . . . . .  C          Type . . . . . . . .  AN
Element Group. . . . . . . . . . .  _          Type . . . . . . . .
Segment Description. . . . . . . .  BASELINE ITEM DATA (INVOICE
Element Description. . . . . . . .  PRODUCT/SERVICE ID

 F1=Help  F2=More/Less  F10=Update  F14=Notes  F19=Appl  F24=More Keys
```

Step 27: Map Element 80 of the IT1 Segment

In this step, you will map element 80 of the IT1 segment.

1. Enter **'VP'** (enclosed in single quotes) in the Element field or press **F20** to select the code from the list.

2. Press **F17** (Next Rcd) to update the record and to advance to element 90 in the IT1 segment.

```
EDIX508                    Extended Outbound Mapping              EDI 04/30/08
FMT01                                                                 12:00:00
Segment ID . . . . . . . . . . . . IT1        Transaction ID . . .  810OUT
Area Code. . . . . . . . . . . . D            Send or Receive. . .  S
Element Number . . . . . . . . .  80          Element ID . . . . .  0235
Segment Sequence . . . . . . . .  3400        Mapping Number. . . .  0
                            Mapping of Data Element
     Element = _____
     Or        Value          Op Value           Op Value
     Element = 'VP'_____   __ _____    __ _____
     If                        __ _____
      And/Or  _ _____  __ _____   Round Element. . . .     #Dec
Table ID . . . . . . . . . . . . . _____      Type of Table. . . .
 Add to Hash Total #. . . . . . . . __            Length (Minimum) . .   2
 Save in Constant # . . . . . . . .  __           Length (Maximum) . .   2
 Add 1 to Accumulator # . . . . . .  __           Group Req Cd . . . .
 User Exit Routine. . . . . . . . .                Related. . . . . . .  Y
 Mandatory Code . . . . . . . . . .  C            Type . . . . . . . .  ID
 Element Group. . . . . . . . . . .               Type . . . . . . . .
 Segment Description. . . . . . . . BASELINE ITEM DATA (INVOICE)
 Element Description. . . . . . . . PRODUCT/SERVICE ID QUALIFIER

 F1=Help  F2=More/Less  F10=Update  F14=Notes  F19=Appl  F24=More Keys
```

Step 28: Map Element 90 of the IT1 Segment

In this step, you will map element 90 of the IT1 segment.

1. Enter **F030.IDITEM** in the Element field or use **F19** to select the field from the list.

2. Press **F10** (Update) to add the value and return to the Work with Extended Mapping panel.

3. Press **F12** (Cancel) to return to the Split Screen Mapping panel.

4. Press **F17** (Next Rcd) to advance to the next segment (PID).

```
EDIX508                    Extended Outbound Mapping              EDI 04/30/08
FMT01                                                                 12:00:00
Segment ID . . . . . . . . . . . . IT1        Transaction ID . . .  810OUT
Area Code. . . . . . . . . . . . D            Send or Receive. . .  S
Element Number . . . . . . . . .  90          Element ID . . . . .  0234
Segment Sequence . . . . . . . .  3400        Mapping Number. . . .  0
                            Mapping of Data Element
     Element = _____
      Or       Value          Op Value           Op Value
     Element = F030.IDITEM     __ _____    __ _____
     If        _____   __ _____
      And/Or  _ _____  __ _____   Round Element. . . .     #Dec
Table ID . . . . . . . . . . . . . _____      Type of Table. . . .
 Add to Hash Total #. . . . . . . . __            Length (Minimum) . .   1
 Save in Constant # . . . . . . . .  __           Length (Maximum) . .  48
 Add 1 to Accumulator # . . . . . .  __           Group Req Cd . . . .
 User Exit Routine. . . . . . . . .                Related. . . . . . .  N
 Mandatory Code . . . . . . . . . .  C            Type . . . . . . . .  AN
 Element Group. . . . . . . . . . .               Type . . . . . . . .
 Segment Description. . . . . . . . BASELINE ITEM DATA (INVOICE)
 Element Description. . . . . . . . PRODUCT/SERVICE ID

 F1=Help  F2=More/Less  F10=Update  F14=Notes  F19=Appl  F24=More Keys
```

Step 29: Map the PID Segment

In this step, you will map the PID segment.

1. Enter **'F'** (enclosed in single quotes) in the Target field for Element 1 or use Option **13** to select from the list of codes.

2. Enter **F030.IDIDSC** in the Target field for Element 5, or use Option '1' to select from the list.

3. Press **F17** (Next Rcd) to update and advance to the next segment.

```
EDIX526    CTL01    From Application Fields           04/30/08   12:00:00
Application: INVOUT     S/R: S      1=Select
Opt Rec Type   No  Field Name    Typ Len Cde Description
    WPEINVITM   5 F030.IDB2#      AN   9  M  BILLTO ACCT#
    WPEINVITM  10 F030.IDINV#     AN  10  M  INVOICE#
    WPEINVITM  15 F030.IDITEM     AN   6  M  ITEM # (OUR ITM)
    WPEINVITM  20 F030.IDQTY      P0   5  M  QTY SHIPPED
    WPEINVITM  25 F030.IDUPRI     P0   7  M  UNIT PRICE
    WPEINVITM  30 F030.IDUOM      AN   4  M  UNIT OF MEASURE
                                                              More...
_____
EDIX525    CTL01     To Transaction Element Mapping
Map: 810OUT    S/R: S             1=Select 11=Ext Map 12=Subfield 13=Codes
Seg ID: PID PRODUCT/ITEM DESCRIPTION           Seq.  4300  Area: D
Opt Target Field    Table ID    Ele Sub X M Ty Description         Seq   ID C
    'F'                          1     M ID ITEM DESCRIPTION TYPE   10  349
                                 2     O ID PRODUCT/PROCESS CHARAC  20  750
                                 3     C ID AGENCY QUALIFIER CODE   30  559
                                 4     C AN PRODUCT DESCRIPTION CO  40  751 Y
    F030.IDIDSC                  5     C AN DESCRIPTION             50  352 Y
                                 6     O ID SURFACE/LAYER/POSITION  60  752
                                                                   More...
    F1=Help  F10=Update  F12=Cancel  F16=Prev Rcd  F17=Next Rcd  F24=More Keys
```

Step 30: Map the Dummy TDS Segment

The dummy TDS segment in the detail area is being used to calculate the extended dollar amount for each line item on the invoice so the total invoice dollar amount can be mapped without having an application field to map from. This can be calculated within Gentran.

1. Enter **11** (Ext Map) in the Option field for Element 1 and press **Enter**.

```
EDIX526    CTL01    From Application Fields           04/30/08   12:00:00
Application: INVOUT     S/R: S      1=Select
Opt Rec Type   No  Field Name    Typ Len Cde Description
    WPEINVITM   5 F030.IDB2#      AN   9  M  BILLTO ACCT#
    WPEINVITM  10 F030.IDINV#     AN  10  M  INVOICE#
    WPEINVITM  15 F030.IDITEM     AN   6  M  ITEM # (OUR ITM)
    WPEINVITM  20 F030.IDQTY      P0   5  M  QTY SHIPPED
    WPEINVITM  25 F030.IDUPRI     P0   7  M  UNIT PRICE
    WPEINVITM  30 F030.IDUOM      AN   4  M  UNIT OF MEASURE
                                                              More...
_____
EDIX525    CTL01     To Transaction Element Mapping
Map: 810OUT    S/R: S             1=Select 11=Ext Map 12=Subfield 13=Codes
Seg ID: TDS dummy seg (extended $ amt)         Seq.  4350  Area: D
Opt Target Field    Table ID    Ele Sub X M Ty Description         Seq   ID C
11                               1     M N2 AMOUNT                  10  610
                                 2     O N2 AMOUNT                  20  610
                                 3     O N2 AMOUNT                  30  610
                                 4     O N2 AMOUNT                  40  610
                                                                   Bottom
    F1=Help  F10=Update  F12=Cancel  F16=Prev Rcd  F17=Next Rcd  F24=More Keys
```

2. Enter **2** (Revise) in the Option field next to element seq 10, map 0, and press **Enter**.

```
EDIX506                    Work with Extended Mapping              EDI 04/30/08
FMT01                    pgmlib: G3X5PGM     dtalib: G3X5DTA                12:00:00

Position to Segment Seq. . . . . .   4350  10  For 810OUT      S

Type option (and Information), press Enter.
  1=Create  2=Revise  3=Copy  4=Delete  5=View
        Seg      Ele                         A  Seg
Opt     Seq      Seq    Map  Constant/Field  C  ID      Description

2      4350      10      0                    D  TDS     AMOUNT
__     4350      20      0                    D  TDS     AMOUNT
__     4350      30      0                    D  TDS     AMOUNT
__     4350      40      0                    D  TDS     AMOUNT
__     8000      10      0                    S  TDS     AMOUNT
__     8000      20      0                    S  TDS     AMOUNT
__     8000      30      0                    S  TDS     AMOUNT
__     8000      40      0                    S  TDS     AMOUNT
__     8800      10      0                    S  CTT     NUMBER OF LINE ITEMS
                                                                       More...
Parameters or command
===> _____
F1=Help  F3=Exit  F12=Cancel  F15=Sort  F24=More Keys
```

3. Enter **F030.IDQTY** in the first value field on the Element line or use **F19** to select the field from the list.

4. Enter ***** (Multiply) in the Op field or press **F4** to select it from the list.

5. Enter **F030.IDUPRI** in the second value on the Element line or use **F19** to select the field from the list.

6. Enter **02** in the "Add to Hash Total#" field or press **F4** to select it from the list.

```
EDIX508                   Extended Outbound Mapping               EDI 04/30/08
FMT01                                                                 12:00:00
Segment ID . . . . . . . . . . . .  TDS         Transaction ID . . .  810OUT
Area Code. . . . . . . . . . . . .  D           Send or Receive. . .  S
Element Number . . . . . . . . . .  10          Element ID . . . . .  0610
Segment Sequence . . . . . . . . .  4350        Mapping Number . . .   0
                           Mapping of Data Element
  Element = _____
    Or        Value        Op Value           Op Value
  Element = F030.IDQTY_____ *_ F030.IDUPRI____ __ _____
  If        _____ __ _____
    And/Or _ _____ __ _____ Round Element. . . .  N  #Dec 0
Table ID . . . . . . . . . . . . .  _____  Type of Table. . . .
Add to Hash Total #.  . . . . . . .  02         Length (Minimum) . .   1
Save in Constant # . . . . . . . .  __          Length (Maximum) . .  15
Add 1 to Accumulator # . . . . . .  __          Group Req Cd . . . .
User Exit Routine. . . . . . . . .  _____  Related. . . . . . .  N
Mandatory Code . . . . . . . . . .  M           Type . . . . . . . .  N2
Element Group. . . . . . . . . . .              Type . . . . . . . .
Segment Description. . . . . . . .  dummy seg (extended $ amt)
Element Description. . . . . . . .  AMOUNT

F1=Help  F2=More/Less  F10=Update  F14=Notes  F19=Appl  F24=More Keys
```

7. Press **F10** (Update) to update and return to the Work with Extended Mapping panel.

8. Press **F12** (Cancel) to return to the Split Screen Mapping panel.

9. Press **F17** (Next Rcd) to advance to the next segment (TDS).

Step 31: Map the TDS Segment in Summary

In this step, you will map the TDS segment in the summary.

1. Enter **HASH-TOTAL-02** in the Target field for Element 1.

   Note:
   No fields are displayed in the top half because there are no summary files in the application.

2. Press **F17** (Next Rcd) to update the panel and to advance to the next segment (CTT).

```
EDIX526    CTL01    From Application Fields          04/30/08   12:00:00
Application: INVOUT      S/R: S        1=Select
Opt Rec Type   No  Field Name    Typ Len Cde Description




_____
EDIX525    CTL01    To Transaction Element Mapping
Map: 810OUT      S/R: S              1=Select 11=Ext Map 12=Subfield 13=Codes
Seg ID: TDS TOTAL MONETARY VALUE SUMMAR      Seq. 8000  Area: S
Opt Target Field    Table ID   Ele Sub X M Ty Description              Seq   ID C
___  HASH-TOTAL-02             1        M N2 AMOUNT                     10  610
___  _____  _____  2        O N2 AMOUNT                     20  610
___  _____  _____  3        O N2 AMOUNT                     30  610
___  _____  _____  4        O N2 AMOUNT                     40  610

                                                                      Bottom
F1=Help  F10=Update  F12=Cancel  F16=Prev Rcd  F17=Next Rcd  F24=More Keys
```

Step 32: Map the CTT Segment in Summary

The CTT is a control-type segment included in many of the transaction sets. It carries some control totals used to ensure that all of the line items are included in the document.

1. Enter **ACCUMULATOR-01** in the Target field for Element 10.

2. Enter **HASH-TOTAL-01** in the Target field for Element 20 and press **Enter** to update.

3. Press **F12** (Cancel) until you return to the Work with Transaction Mapping panel.

```
EDIX526    CTL01    From Application Fields          04/30/08   12:00:00
Application: INVOUT      S/R: S        1=Select
Opt Rec Type   No  Field Name    Typ Len Cde Description




_____
EDIX525    CTL01    To Transaction Element Mapping
Map: 810OUT      S/R: S              1=Select 11=Ext Map 12=Subfield 13=Codes
Seg ID: CTT TRANSACTION TOTALS               Seq. 8800  Area: S
Opt Target Field    Table ID   Ele Sub X M Ty Description              Seq   ID C
___  ACCUMULATOR-01            1        M N0 NUMBER OF LINE ITEMS       10  354
___  HASH-TOTAL-01  _____  2        O R  HASH TOTAL                20  347
___  _____  _____  3        C R  WEIGHT                     30   81 Y
___  _____  _____  4        C ID UNIT OR BASIS FOR MEAS     40  355
___  _____  _____  5        C R  VOLUME                     50  183 Y
___  _____  _____  6        C ID UNIT OR BASIS FOR MEAS     60  355
                                                                      More...
F1=Help  F10=Update  F12=Cancel  F16=Prev Rcd  F17=Next Rcd  F24=More Keys
```

Step 33: View a Code Translation Table

Gentran:Server allows you to create tables that will be used during inbound and outbound processing to translate between your application code values and EDI standard code values. In **Step 22: Map Element 20 of the IT1 Segment**, you used an existing table called UNITMEAS, which contains the codes for units of measurement for your application and their corresponding EDI codes. At this point, you will go look at the contents of UNITMEAS table.

1. On the Work with Transaction Mapping panel, enter **13** (Tables) in the Option field on the key entry line and press **Enter**.

```
EDIX500                Work with Transaction Mapping           EDI 04/30/08
FMT01                pgmlib: G3X5PGM     dtalib: G3X5DTA            12:00:00

Position to Transaction ID . . . . _____  S/R _

Type option (and Information), press Enter.
  1=Create  2=Revise  3=Copy  4=Delete  5=View  6=Print  11=Segments

Opt Tran ID   S/R Appl ID    Description              User Typ
13  _____
    SEMPO4010  R  SEMPOAPPL  Purch. Order Inb. 004010    EDI  P
    TCOMINV8P  S  TCOMINV8P  Tradacoms Invoice 8         CV   P
    TCOMORD8P  R  TCOMORD8P  Tradacoms Orders 8          CV   P
    810OUT     S  INVOUT     Tutorial Invoice Outbound 4010 CB P
    810S41EDI  S  INVOUTPEDI Outbound Invoice 004010 (demo) CB P
    810S41TPC1 S  INVOUTP    OUTBOUND INVOICE 004010 (demo) EDI P
    810S41TPC2 S  INVOUTL    Invoice Outbound 4010 (to TP2) EDI P
    850INB     R  POINB      Tutorial PO Inbound 004010  CB   G
    880SU31    S  INVOUTL    Outb Invoice (880) U3/1     EDI  G
                                                            Bottom
Parameters or command
===> _____
F1=Help  P6=More/Less  F12=Cancel  F15=Sort  F23=More Options  F24=More Keys
```

2. Page down and enter **12** (Table) in the Option field next to UNITMEAS and press **Enter** to see the values included in this table.

```
EDIX580                    Work with Tables               EDI 04/30/08
FMT01                pgmlib: G3X5PGM     dtalib: G3X5DTA        12:00:00

Position to Table ID . . . . . . . _____

Type option (and Information), press Enter.
  1=Create  2=Revise  3=Copy  4=Delete  5=View  6=Print  11=Copy Std Codes

Opt Table ID   Type Description                    Partner ID

    SEMVALID    V   TRANSACTION TYPE CODE TABLE
    STOCKCODE   C   CONVERT STOCK CODES
12  UNITMEAS    C   Internal to EDI unit of measure
    UOM6411     C   Unit of Measure Edifact(elem# 6411)
    VATCODE     C   VAT Code




                                                           Bottom
Parameters or command
===> _____
F1=Help  F3=Exit  F12=Cancel  F15=Sort  F23=More Options  F24=More Keys
```

3. After you have reviewed the Code Translation panel, press **F12** (Cancel) until you return to the GENMAIN menu.

```
EDIX583                    Code Translation               EDI 04/30/08
CTL01                                                          12:00:00

Table ID . . . . . . . . . . . .  UNITMEAS
Position to STD Code             _____

Type option, press Enter.
  4=Delete

Opt Standard   Application Standard Code Description
    Code       Code
    BX         BOX       BOXES_____
    CA         CASE      CASE_____
    DZ         DOZ       DOZEN_____
    DZ  1      DOZN      DOZENS_____
    EA         EACH      EACH_____
    EA  1      EA        EACH_____
    FT         FEET      FEET_____
    PD         PAD       PADS_____
    RM         REAM      REAM_____
    UN         UNIT      UNITS_____
                                                    More...
F1=Help  F5=Refresh  F10=Update  F12=Cancel  F21=Prt Table  F24=More Keys
```

Step 34: Update Your Partner with the New Map

When you set up your partner, you may have identified an existing map to be used with it or left it blank. Now that your map is complete, you will update the partner to use your own map.This enables the outbound to use a partner-specific map instead of a general map to be used for all partners.

1. To access the Work with Partners subsystem, select option **1** (Work with Partners) on the GENMAIN menu and press **Enter**.

```
GENMAIN              Gentran:Server for iSeries Release 3.5
                                                    System:    ISDDEV01
Select one of the following:

    1. Work with Partners
    2. Work with Application Definition
    3. Mapping Menu                       (GENMAP)
    4. Communications Menu                (GENCOM)
    5. Work with Standards
    6. Work with Environment Control

    8. Audit Menu                         (GENAUD)
    9. Message Center Menu                (GENMSG)
   10. Processing Menu                    (GENPRC)
   11. System Administration Menu         (GENSYS)
   12. Viewpoint Menu                     (GENVPT)
   13. Gentran File Tracking Menu         (GENFILETRK)
   14. Gentran:Server Search Index
                                                        More...
Selection or command
===> 1

F3=Exit   F4=Prompt   F9=Retrieve   F12=Cancel   F13=User Support
```

2. Enter **12** in the Option field beside your partner (Sweet Tea) on the Work with Partners panel and press **Enter**.

```
EDIX005                  Work with Partners            EDI 04/30/08
FMT01            pgmlib: G3X5PGM    dtalib: G3X5DTA          12:00:00

Position to Partner ID . . . . . . _____ Qual _____

Type option (and Information), press Enter.
  1=Create  2=Revise  3=Copy  4=Delete  5=View  6=Print  7=Rename  11=Groups

Opt Partner ID               Qual Partner Name

___ ISA-PARTNER                   Example of an ISA Partner
___ MODEL                         MODEL (to set up new partners)
___ MYCOMPANY                     MYCOMPANY (for inbound splitting)
___ STX-PARTNER                   Example of a STX Partner
12  SWEET TEA                     SWEET TEA - tutorial partner
___ SWEET TEA MZ                  SWEET TEA MZ
___ TDMTEST                       TDMTEST
___ TPCOMPANY                     Trading Partner Example Company
___ TRADANET                      TRADANET
                                                        More...
Parameters or command
===>
F1=Help  F3=Exit  F12=Cancel  F15=Sort  F23=More Options  F24=More Keys
```

3. On the Work with Partner Transactions panel, enter **2** (Revise) in the Option field for transaction ID 810 and press **Enter**.

```
EDIX040              Work with Partner Transactions       EDI 04/30/08
FMT01            pgmlib: G3X5PGM    dtalib: G3X5DTA          12:00:00

Position to Tran ID _____ For SWEET TEA

Type option (and Information), press Enter.
  1=Create  2=Revise  3=Copy  4=Delete  5=View

Opt Tran ID In Map    Out Map

___ !!!DFT
2   810
___ 850
___ 997




                                                        Bottom
Parameters or command
===>
F1=Help  F3=Exit  F12=Cancel  F15=Sort  F24=More Keys
```

4. On the Partner Transaction
panel, enter the map name
you just created for the
outbound invoice (**810OUT**)
in the Transaction Map ID
Outbound field. Optionally,
you can press **F4** (Prompt)
to select the map from the
list.

5. Press **F10** (Update) to
update the panel and return
to the Work with Partner
Transactions panel.

```
EDIX041                    Partner Transaction              EDI 04/30/08
FMT01                                                          12:00:00

Partner ID . . . . . . . . . . . .  SWEET TEA
Partner Qualifier. . . . . . . . .
Partner Name . . . . . . . . . . .  SWEET TEA - tutorial partner
Transaction ID . . . . . . . . . .  810


Test or Production . . . . . . . .  __
Transaction Map ID Inbound . . . .  __
Transaction Map ID Outbound. . . .  810OUT
Accept Transaction Inbound . . . .  N
Send Transaction Outbound. . . . .  Y
Validate Codes Inbound . . . . . .  _
Validate Codes Outbound. . . . . .  _
Expect an AK2, A2, or UCM. . . . .  _
Transaction Acknowledgement Type .  _____
Acknowledgment Overdue in. . . . .  ____ Hours  __ Minutes
Acknowledge Specific Trans. . . . .  N


F1=Help F8=Next  F10=Update  F12=Cancel  F24=More Keys
```

6. Press **F12** (Cancel) until you return to the GENMAIN menu.

You have now completed the ANSI outbound transaction map – congratulations!

Where to go next: Go to Chapter 11, "Outbound Processing," and follow the step-by-step
instructions.

Chapter

11 Outbound Processing

In this Chapter

In this chapter, you will complete the following tasks.

➢ Access the Processing Subsystem

➢ Perform Outbound Processing

➢ Access the Message Center

➢ Display Message Center Details for Job

➢ Access Spooled Files for Job (Outbound Processing Reports)

➢ Access the Audit Subsystem

➢ Search for a Document

➢ View Unwrapped EDI Data for a Partner

➢ Access EDI Monitor Reports

➢ Print EDI Monitor Reports

What is Processing?

Processing, which is also called 'translation processing,' is the work Gentran:Server does to convert the format of the data transmitted between you and your trading partners. The best way to explain processing is to divide it into the inbound and outbound components.

Outbound Processing prepares your application output data for transmission to your trading partner. First, the data is translated into the proper EDI standard for your trading partner. The system then performs compliance checking.

Inbound Processing converts the EDI standard documents received from your trading partners into the proper input format for your applications. The system first performs 'compliance checking,' which verifies whether the data you received conforms to the EDI standard that your trading partner has agreed to use. The data is then converted into the application format that you specified in the Transaction Mapping subsystem.

Step 1: Access the Processing Subsystem

1. To access the Processing subsystem, select option **10** (Processing menu) on the GENMAIN menu and press **Enter**. Optionally, enter **GO GENPRC** on the command line and press **Enter**.

   The system displays the Gentran:Server Processing menu (GENPRC).

```
GENMAIN                Gentran:Server for iSeries Release 3.5
                                                    System:   ISDDEV01
Select one of the following:

    1. Work with Partners
    2. Work with Application Definition
    3. Mapping Menu                          (GENMAP)
    4. Communications Menu                   (GENCOM)
    5. Work with Standards
    6. Work with Environment Control

    8. Audit Menu                            (GENAUD)
    9. Message Center Menu                   (GENMSG)
   10. Processing Menu                       (GENPRC)
   11. System Administration Menu            (GENSYS)
   12. Viewpoint Menu                        (GENVPT)
   13. Gentran File Tracking Menu            (GENFILETRK)
   14. Gentran:Server Search Index
                                                           More...
Selection or command
===> 10

 F3=Exit   F4=Prompt   F9=Retrieve   F12=Cancel   F13=User Support
 (C) COPYRIGHT Sterling Commerce Inc., 2008, ALL RIGHTS RESERVED.
```

2. To run outbound processing (PRCTRNOUT), select **1** (Process Outbound Files) on the GENPRC menu command line and press **Enter**.

```
GENPRC                Gentran:Server Processing 3.5
                                                    System:   ISDDEV01
Select one of the following:

    1. Process Outbound Files               (PRCTRNOUT)
    2. Process Inbound Files                (PRCTRNIN)
    3. Add Data to Queues                   (ADD)
    4. Extract Data from Queues             (EXTRACT)
    5. Inbound Split File Status Inquiry
    6. Standards Selective Download         (DWNSTD)
    7. Standards Selective Delete           (DLTSTD)
    8. Remove Gentran Work Members          (RMVGENMBR)
    9. Purge VAT Report Database            (PRGVAT)
   10. Retrieve VAT Report Database         (RTVVAT)
   11. Print VAT Reports                    (PRTVAT)
   12. TRADACOMS Standards Selective Download  (DWNSTDTC)
   13. Replace Characters                   (RPLCHARS)


Selection or command
===> 1

 F3=Exit   F4=Prompt   F9=Retrieve   F12=Cancel   F13=User Support
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```

Step 2: Perform Outbound Processing

1. Enter the name of the application definition you created earlier (**INVOUT**) in the Application ID field and press **Enter** to submit the processing to batch.

2. Press **F12** (Cancel) to return to the GENMAIN menu.

```
                 Process Transactions Outbound (PRCTRNOUT)

Type choices, press Enter.

Application Data ID  . . . . . .    INVOUT        Character value
           + for more values
Mapper Debug Report? . . . . . .    *NO           *YES, *NO
Clear Temporary Files ?  . . . .    *YES          *YES, *NO
Application File Member  . . . .    *DEFAULT      *DEFAULT, Name
Run Interactively? . . . . . . .    *NO           *YES, *NO








                                                               Bottom
 F3=Exit    F4=Prompt   F5=Refresh   F10=Additional parameters   F12=Cancel
 F13=How to use this display        F24=More keys
```

Step 3:   Access the Message Center

1. To access the Message
    Center subsystem, select
    Option **9** (Message Center
    menu) on the GENMAIN
    menu. Alternatively, you
    can directly access it by
    entering **GO   GENMSG** on
    the Command line.

```
 GENMAIN              Gentran:Server for iSeries Release 3.5
                                                    System:   ISDDEV01
 Select one of the following:

     1. Work with Partners
     2. Work with Application Definition
     3. Mapping Menu                        (GENMAP)
     4. Communications Menu                 (GENCOM)
     5. Work with Standards
     6. Work with Environment Control

     8. Audit Menu                          (GENAUD)
     9. Message Center Menu                 (GENMSG)
    10. Processing Menu                     (GENPRC)
    11. System Administration Menu          (GENSYS)
    12. Viewpoint Menu                      (GENVPT)
    13. Gentran File Tracking Menu          (GENFILETRK)
    14. Gentran:Server Search Index
                                                        More...
 Selection or command
 ===> 9

 F3=Exit   F4=Prompt   F9=Retrieve   F12=Cancel   F13=User Support
```

2. To access entries logged in
    the Message Center, select
    Option **2** (Work with
    Message Center) from
    GENMSG.

```
 GENMSG               Gentran:Server Message Center 3.5
                                                    System:   ISDDEV01
 Select one of the following:

     1. Message Center Search Utility       (SLTMSG)
     2. Work with Message Center
     3. Message Center Configuration
     4. Print Message Center Entries Report (PRTMSGCTR)
     5. Print Message Center Job Detail     (PRTMSGDTL)
     6. Purge Message Center Files          (PRGMSGCTR)
     7. Retrieve Message Center Files       (RTVMSGCTR)

    90. Sign off




 Selection or command
 ===> 2

 F3=Exit   F4=Prompt   F9=Retrieve   F12=Cancel   F13=User Support
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```

Step 4:   Display Message Center Details for Job

Jobs are shown in descending
date/time sequence so the
PRCTRNOUT job shown at the
top of the list should be the job
you just submitted.

```
EDIX600                 Work with Message Center             EDI 04/30/08
FMT01              pgmlib: G3X5PGM      dtalib: G3X5DTA            12:00:00
                                                                  All Jobs
Position to  Date _____  Time _____
Type option (and Information), press Enter.
  4=Delete  5=Spooled Files  6=Print  7=Work Job  11=Job Detail

Opt Process                            Generation                      Job
    Name           Cd Message          Date       Time    Job Name  Number
  _ PRCTRNOUT      16 Map Info/Edt Halt 04-30-08  12:00:00 PRCTRNOUT 180635
  _ PRCTRNIN       00 Completed Normal  04-30-08  17:08:44 PRCTRNIN  173238
  _ PRCTRNIN       00 Completed Normal  04-30-08  17:50:49 PRCTRNIN  172087
  _ EXTRACT        00 Completed Normal  04-30-08  12:26:03 QPADEV0005 171898
  _ EXTRACT        00 Completed Normal  04-30-08  12:25:59 QPADEV0005 171898
  _ EXTRACT        00 Completed Normal  04-30-08  12:25:56 QPADEV0005 171898
  _ EXTRACT        00 Completed Normal  04-30-08  12:25:53 QPADEV0005 171898
  _ EXTRACT        00 Completed Normal  04-30-08  12:25:47 QPADEV0005 171898
  _ EXTRACT        00 Completed Normal  04-30-08  12:25:44 QPADEV0005 171898
  _ EXTRACT        00 Completed Normal  04-30-08  12:25:41 QPADEV0005 171898
                                                                   More...
Parameters or command
===> _____
F1=Help  F6=More/Less  F12=Cancel  F15=Sort  F23=More Options  F24=More Keys
```

1. Press **F6** (More/Less) to
    display the second line that
    shows the STS (Status) for
    the job. Once it shows
    Complete, the job is done.
    You may need to press **F5** to
    refresh until it has
    completed.

```
EDIX600                 Work with Message Center             EDI 04/30/08
FMT01              pgmlib: G3X5PGM      dtalib: G3X5DTA            12:00:00
                                                                  All Jobs
Position to  Date _____  Time _____
Type option (and Information), press Enter.
  4=Delete  5=Spooled Files  6=Print  7=Work Job  11=Job Detail

Opt Process                            Generation                      Job
    Name           Cd Message          Date       Time    Job Name  Number
  _ PRCTRNOUT      16 Map Info/Edt Halt 04-30-08  12:00:00 PRCTRNOUT 180635
      User EDI        Cmd Name PRCTRNOUT  Sts Complete   Msg Seq#      181
  _ PRCTRNIN       00 Completed Normal  04-30-08  17:08:44 PRCTRNIN  173238
      User EDI        Cmd Name PRCTRNIN   Sts Complete   Msg Seq#      180
  _ PRCTRNIN       00 Completed Normal  04-30-08  17:50:49 PRCTRNIN  172087
      User EDI        Cmd Name PRCTRNIN   Sts Complete   Msg Seq#      179
  _ EXTRACT        00 Completed Normal  04-30-08  12:26:03 QPADEV0005 171898
      User TDM        Cmd Name EXTRACT    Sts Complete   Msg Seq#      178
  _ EXTRACT        00 Completed Normal  04-30-08  12:25:59 QPADEV0005 171898
      User TDM        Cmd Name EXTRACT    Sts Complete   Msg Seq#      177
                                                                   More...
Parameters or command
===> _____
F1=Help  F6=More/Less  F12=Cancel  F15=Sort  F23=More Options  F24=More Keys
```

2. To access job detail, enter
    11 beside the
    PRCTRNOUT job at the top
    of the list and press **Enter**.

```
EDIX600                 Work with Message Center             EDI  04/30/08
FMT01              pgmlib: G3X5PGM      dtalib: G3X5DTA            12:00:00
                                                                  All Jobs
Position to  Date _____  Time _____
Type option (and Information), press Enter.
  4=Delete  5=Spooled Files  6=Print  7=Work Job  11=Job Detail

Opt Process                            Generation                      Job
    Name           Cd Message          Date       Time    Job Name  Number
 11 PRCTRNOUT      16 Map Info/Edt Halt 04-30-08  12:00:00 PRCTRNOUT 180635
      User EDI        Cmd Name PRCTRNOUT  Sts Complete   Msg Seq#      181
  _ PRCTRNIN       00 Completed Normal  04-30-08  17:08:44 PRCTRNIN  173238
      User EDI        Cmd Name PRCTRNIN   Sts Complete   Msg Seq#      180
  _ PRCTRNIN       00 Completed Normal  04-30-08  17:50:49 PRCTRNIN  172087
      User EDI        Cmd Name PRCTRNIN   Sts Complete   Msg Seq#      179
  _ EXTRACT        00 Completed Normal  04-30-08  12:26:03 QPADEV0005 171898
      User TDM        Cmd Name EXTRACT    Sts Complete   Msg Seq#      178
  _ EXTRACT        00 Completed Normal  04-30-08  12:25:59 QPADEV0005 171898
      User TDM        Cmd Name EXTRACT    Sts Complete   Msg Seq#      177
                                                                   More...
Parameters or command
===> _____
F1=Help  F6=More/Less  F12=Cancel  F15=Sort  F23=More Options  F24=More Keys
```

3. You can display job detail information for errors by entering **5** beside an entry and pressing **Enter**.

```
EDIX601                    Message Center Job Inquiry            EDI  04/30/08
FMT01                                                                12:00:00

Process Name . . . . .  PRCTRNOUT          Job Name . . . . . PRCTRNOUT
Created Date . . . . .  04-30-08           Job Number . . . . 180635
Created Time . . . . .  12:00:00           User . . . . . . . EDI
Return Code . . . . .   16                 Msg Seq# . . . . .       181
Type option (and Information), press Enter.
  5=Display  11=Audit  12=SLTAUD  13=EDI Monitor
                              Message
Opt Program   Cd Appl      Nbr Description
 5_ EBDI042   04 INVOUT     613 TRANSACTION CAN NOT BE SELECTED - DOCUMENT WIL
 __ EBDI042   04 INVOUT     613 TRANSACTION CAN NOT BE SELECTED - DOCUMENT WIL
 __ EBDI002   16             12 INPUT TRANSACTION FILE EMPTY - PROGRAM TERMINA
 __ EDCL632   00                E-mail auto-notify enabled; a failure occurred




                                                                      Bottom
  F1=Help  F3=Exit  F5=Refresh  F12=Cancel  F19=Spool File  F21=Print
```

Detail error information is displayed.

4. Press **F17** (Next Rcd) to advance through any or all errors.

5. Press **F12** (Cancel) until you return to the Work with Message Center panel.

```
EDIX601                    Message Center Job Inquiry            EDI  04/30/08
FMT02                                                                12:00:00
                            Program Information
From Program Name. . .  EBDI042            User Return Code . . . . . . . 04
Message Number . . . .  613                Gentran Return Code. . . . . . 04
Description  TRANSACTION CAN NOT BE SELECTED - DOCUMENT WILL BE SKIPPED.

                            Partner Information
Interchange Partner. .  SWEET TEA                   Qual
Interchange Control# .                     S/R. . . . . . . . S
Group Partner. . . . .  SWEET TEA                   Qual
Group Cntl#. . . . . .                     Functional Group . IN
Trans Cntl#. . . . . .                     Transaction Set. .
Doc Info . . . . . . .
Version. . . . . . . .  004010

                  Mapper/Editor/Communications Information
Segment/Element ID . .                     Record Number. . .      4
Additional Info. . . .                     Member Name. . . . M10955O001
Application Name . . .  INVOUT             Map Name . . . . .
Comm Profile ID. . . .                     Batch Seq. . . . .

  F1=Help  F12=Cancel  F16=Prev Rcd  F17=Next Rcd  F19=Spool File  F21=Print
```

Step 5:   Access Spooled Files for Job (Outbound Processing Reports)

You can directly access spooled files (reports) for the processing job from the Message Center or from the Command line using the WRKSPLF command.

1. From the Message Center, enter **5** beside the PRCTRNOUT job you ran and press **Enter**.

```
 EDIX600                    Work with Message Center              EDI  04/30/08
 FMT01              pgmlib: G3X5PGM    dtalib: G3X5DTA               12:00:00
                                                                   All Jobs
 Position to  Date _____  Time _____
 Type option (and Information), press Enter.
   4=Delete  5=Spooled Files  6=Print  7=Work Job  11=Job Detail

 Opt Process                            Generation               Job
     Name          Cd Message          Date      Time  Job Name  Number
   5 PRCTRNOUT     16 Map Info/Edt Halt 04-30-08  12:00:00 PRCTRNOUT 180635
     User EDI         Cmd Name PRCTRNOUT  Sts Complete   Msg Seq#     181
     PRCTRNIN      00 Completed Normal 04-30-08  17:08:44 PRCTRNIN  173238
     User EDI         Cmd Name PRCTRNIN   Sts Complete   Msg Seq#     180
     PRCTRNIN      00 Completed Normal 04-30-08  17:50:49 PRCTRNIN  172087
     User EDI         Cmd Name PRCTRNIN   Sts Complete   Msg Seq#     179
     EXTRACT       00 Completed Normal 04-30-08  12:26:03 QPADEV0005 171898
     User TDM         Cmd Name EXTRACT    Sts Complete   Msg Seq#     178
     EXTRACT       00 Completed Normal 04-30-08  12:25:59 QPADEV0005 171898
     User TDM         Cmd Name EXTRACT    Sts Complete   Msg Seq#     177
                                                                   More...
 Parameters or command
 ===> _____
 F1=Help  F6=More/Less  F12=Cancel  F15=Sort  F23=More Options  F24=More Keys
```

2. To display a report, enter **5** beside a spooled file and press **Enter**.

```
                        Work with Job Spooled Files

 Job:   PRCTRNOUT      User:  EDI           Number:   180635

 Type options, press Enter.
   1=Send   2=Change    3=Hold   4=Delete   5=Display   6=Release   7=Messages
   8=Attributes         9=Work with printing status

                   Device or                     Total   Current
 Opt  File        Queue      User Data  Status   Pages    Page    Copies
   5  QSYSPRT     QPRINT     EBDI042    RDY        1                 1
      QPRINT      QPRINT     EBDI002    RDY        1                 1




                                                                   Bottom
 Parameters for options 1, 2, 3 or command
 ===> _____
 F3=Exit   F10=View 3   F11=View 2   F12=Cancel   F22=Printers   F24=More keys
```

3. Press **F12** (Cancel) until you return to the GENMAIN menu.

    Note: If you were unable to access reports, your environment profile might be set up to route reports to an active writer (hence, the reports would have already been printed). The reports can be accessed alternatively from the Work with Message Center panel, using Option **14** (EDI Monitor).

```
                        Display Spooled File
 File . . . . . . :  QSYSPRT                    Page/Line   1/2
 Control . . . . .                              Columns     1 - 78
 Find . . . . . .
 *...+....1....+....2....+....3....+....4....+....5....+....6....+....7....+...
  EBDI042    RUN 04-30-08     TIME 12:00:00      MAPPER OUTBOUND PROCESSING
 ERROR **RECORD**      FIELD SEG ELE
 NUMBR   NBR ID       SEQ # ID  SEQ INFORMATION   ERROR MESSAGE
 INTERMEDIATE FILE MEMBER NAME - M10955O001
  613       4                                  TRANSACTION CAN NOT BE SELE
                              PARTNER ID: SWEET TEA, VERS: 004010, AP
  613       9                                  TRANSACTION CAN NOT BE SELE
                              PARTNER ID: SWEET TEA, VERS: 004010, AP
 PROCESSING ENDED WITH ERRORS - PROCESSING COUNTS BELOW
                              APPLICATION RECORDS READ ------      10
                              APPLICATION RECORDS SUSPENDED -      10
                              EDI SEGMENTS WRITTEN ----------       0
                              RETURN CODE FOR MAPPING -------       8
                              MESSAGE CENTER RETURN CODE ----       4
                                                        Sterling Commerce

                                                                   Bottom
 F3=Exit   F12=Cancel   F19=Left   F20=Right   F24=More keys
```

Step 6: Access the Audit Subsystem

1. To access the Audit subsystem, select option **8** (Audit menu) on the GENMAIN menu and press **Enter**. (You could have also accessed the Audit file from the Message Center. We chose to illustrate it from the Main Menu.)

```
GENMAIN              Gentran:Server for iSeries Release 3.5
                                                    System:   ISDDEV01
Select one of the following:

     1. Work with Partners
     2. Work with Application Definition
     3. Mapping Menu                         (GENMAP)
     4. Communications Menu                  (GENCOM)
     5. Work with Standards
     6. Work with Environment Control

     8. Audit Menu                           (GENAUD)
     9. Message Center Menu                  (GENMSG)
    10. Processing Menu                      (GENPRC)
    11. System Administration Menu           (GENSYS)
    12. Viewpoint Menu                       (GENVPT)
    13. Gentran File Tracking Menu           (GENFILETRK)
    14. Gentran:Server Search Index
                                                          More...
Selection or command
===> 8

F3=Exit   F4=Prompt   F9=Retrieve   F12=Cancel   F13=User Support
```

The Audit subsystem enables you to see the inbound and outbound documents that have been translated and determine if they have been acknowledged.

The first option, Audit Search Utility, is useful for locating specific documents such as one particular invoice, all documents that have not been acknowledged, or purchase orders for a specific partner on a given date.

Options 2 – 4 on the Audit menu allow you to access all documents at a specific level according to the EDI standards (Interchange, Group or Transaction).

2. On the Audit menu, select Option **1** (Audit Search Utility) and press **Enter**.

```
GENAUD               Gentran:Server Audit 3.5
                                                    System:   ISDDEV01
Select one of the following:

     1. Audit Search Utility                 (SLTAUD)
     2. Work with Audit Interchange Status
     3. Work with Audit Group Status
     4. Work with Audit Transaction Status
     5. Print Audit Report                   (PRTAUD)
     6. Print Network Status Report          (PRTNETSTS)
     7. Print Overdue Acknowledgments        (PRTOVRACK)

    10. Purge Audit File                     (PRGAUD)
    11. Purge Audit using Partner File Options  (AUDITPURGE)
    12. Purge Network Status File            (PRGNET)

    15. Retrieve Audit File                  (RTVAUD)
    16. Retrieve Network Status File         (RTVNET)
                                                          More...
Selection or command
===> 1

F3=Exit   F4=Prompt   F9=Retrieve   F12=Cancel   F13=User Support
```

Step 7: Search for a Document

The Select Audit Records (SLTAUD) panel is displayed. In this example, you will search for an outbound document containing a specific invoice number.

1. Enter ***OUT** in the direction field (for Outbound).

2. Enter **INV123** in the Doc Info field (for the Invoice number) and press **Enter**.

```
                    Select Audit Records (SLTAUD)

 Type choices, press Enter.

 Direction  . . . . . . . . . . .   *OUT         *IN, *OUT
 Audit Level  . . . . . . . . . .   *TRAN        *TRAN, *GROUP, *INT
 Partner ID beginning with  . . .   *ALL
 Doc Info (eg PO#) containing . .   INV123
 Transaction ID beginning with  .   *ALL         *ALL, value
 Group ID beginning with  . . . .   *ALL         *ALL, value
 Acknowledgment status  . . . . .   *ALL         *ALL, *UNACK, *ACK, *ERROR...
                 + for more values
 Older than or equal to . . . . .   *ALL         *ALL, age in days
 From Date  . . . . . . . . . . .   *BEGIN       *BEGIN, *CURRENT, Date
 To Date  . . . . . . . . . . . .   *END         *END, *CURRENT, Date
 Output . . . . . . . . . . . . .   *            *, *OUTFILE, *PRINT



                                                                 Bottom
 F3=Exit   F4=Prompt   F5=Refresh   F10=Additional parameters   F12=Cancel
 F13=How to use this display       F24=More keys
```

The Work with Selected Audit Records panel displays the results of the search. From this Work with panel, you can choose from various options to work with the documents that matched your selection criteria.

You can print the results, look at the actual EDI data, branch to the Audit entry and manually acknowledge or see the EDI data in unwrapped view.

```
 EDIX259           Work with Selected Audit Records         04/30/08
 FMT01             pgmlib: G3X5PGM    dtalib: G3X5DTA         12:00:00
                Direction: OUTBOUND   Audit Level: TRANSACTION

 Type option (and Information), press Enter.
   6=Print EDI  11=Partner  12=EDI Data  13=Comm Queue  14=Audit  31=Requeue
                               Tran                          Comm
 Opt Partner ID            Date    ID    Doc Info      Ack Profile Sts

 ___ MYCOMPANY     TPCOMP 04-30-08  810   INV123
 ___ MYCOMPANY     TPCOMP 04-30-08  810   INV123
 12  SWEET TEA            04-30-08  810   INV123          CN3BSC  Q
 ___ TPCOMPANY            04-30-08  810   INV123          CN3BSC  Q
 ___ TPCOMPANY            04-30-08  810   INV123



                                                                 Bottom
 Parameters or command
 ===>
 F3=Exit  F6=Fold/Unfold  F9=Retrieve  F12=Cancel  F21=Print Results
```

You may also choose to requeue the document with the ability to edit or modify the data so it can be processed again. This is useful if a document has been sent and needs to be corrected in order to be processed.

3. Enter **12** (EDI Data) in the option field next to Sweet Tea and press **Enter**.

The document details are displayed on the Outbound Queue Inquiry panel.

4. Press **F12** (Cancel) until you return to the GENAUD menu.

```
EDIX405                     Outbound Queue Inquiry          EDI    04/30/08
                                                                   12:00:00
Comm Profile Id . . CN3BSC                 Line Number . . . . 000001
Profile Seq . . . . 000172                 Status. . . . . . . Q
Add Date. . . . . . 04-30-08               Batch Seq Number. . 0000221
Add Time. . . . . . 13:41
Batch-Id. . . . . .


ISA*00*         *00*         *01*MYDUNS         *ZZ*TPCOMPANY    *000501*
1*U*00400*000000051*0*T*>@GS*IN*MYDUNS*TPDUNS*20000501*1341*41*X*004010@ST*81
00000065@BIG*19990803*INV123*19990720*PO123@NTE*GEN*THIS IS AN INVOICE MESSAG
PAY UP IMMEDIATELY@NTE*GEN*....... OR ELSE.....@N1*RE@N1*RE@PID*F****LEGAL EN
OPES@PID*F****LEGAL ENVELOPES@PID*F****FUNNY GREETING CARDS@PID*F****FUNNY GR
ING CARDS@TDS*0@TDS*0@CTT*0@SE*14*000000065@GE*1*41@IEA*1*000000051@



                                                                    Bottom
F1=Help  F2=Hex  F5=Refresh    F12=Cancel  F17=Next Rcd
F19=Left  F20=Right  F21=Prt Dta
Bottom of data records
```

Step 8:   View Unwrapped EDI Data for a Partner

You can search for Partner data using the Audit Search Utility or by using one of the other three audit options on the menu. This example illustrates using the Work with Audit Interchange panel to access the partner's document to show the data in an unwrapped view.

1. To access the Work with
    Audit Interchange Status
    panel, select Option **2** on the
    GENAUD menu and press
    Enter.

    From the Work with Audit
    Interchange Status panel,
    you can view, print, delete,
    and manually acknowledge
    documents, as well as "drill
    down" to the group and
    transaction level for a
    specific partner.

```
 GENAUD                      Gentran:Server Audit 3.5
                                                  System:   ISDDEV01
 Select one of the following:

     1. Audit Search Utility                 (SLTAUD)
     2. Work with Audit Interchange Status
     3. Work with Audit Group Status
     4. Work with Audit Transaction Status
     5. Print Audit Report                   (PRTAUD)
     6. Print Network Status Report          (PRTNETSTS)
     7. Print Overdue Acknowledgments        (PRTOVRACK)

    10. Purge Audit File                     (PRGAUD)
    11. Purge Audit using Partner File Options  (AUDITPURGE)
    12. Purge Network Status File            (PRGNET)

    15. Retrieve Audit File                  (RTVAUD)
    16. Retrieve Network Status File         (RTVNET)
                                                         More...
 Selection or command
 ===> 2

 F3=Exit   F4=Prompt   F9=Retrieve   F12=Cancel   F13=User Support
```

2. View the data for the partner
    you set up earlier by
    entering **5** in the Option
    field next to Sweet Tea and
    press **Enter**. Make sure you
    select the first entry that has
    an **S** in the S/R
    (Send/Receive) column.

```
 EDIX251           Work with Audit Interchange Status      EDI  04/30/08
 FMT01             pgmlib: G3X5PGM    dtalib: G3X5DTA            12:00:00

 Position to Partner _____       Qual ____  Created _____

 Type option (and Information), press Enter.
   4=Delete  5=View  6=Print EDI  12=Groups  13=Acknowledge  30=Print Audit
                                        S             Status    Created
 Opt Interchange Partner        Qual R Control #    A/N/C    Date   Time

 ___  STERLING SFW   VENDOR-1        S 000000034     / /  04-30-08 08:00
 5    SWEET TEA                      S 000000001     / /Q 04-30-08 14:28
 ___  SWEET TEA                      S 000000002     / /Q 04-30-08 14:28
 ___  SWEET TEA                      R 000000001     / /PI 04-30-08 14:27
 ___  TDMTEST                        S 234567        / /Q 04-30-08 16:08
 ___  TDMTEST                        S 000006        / /Q 04-30-08 16:05
 ___  TDMTEST                        S 000005        / /Q 04-30-08 15:59
 ___  TDMTEST                        R 00000000000005 A/ /RN 04-30-08 15:58
 ___  TPCOMPANY                      S 000000066     / /Q 04-30-08 14:22
                                                              More...
 Parameters or command
 ===>
 F1=Help  F3=Exit  F12=Cancel  F15=Sort  F23=More Options  F24=More Keys
```

3. The EDI data is displayed.
    To see segment-level data,
    position the cursor on the
    desired segment and press
    Enter.

    For now, move your cursor
    to the ST segment and press
    Enter.

```
 EDIX451                EDI Interchange Inquiry       EDI    04/30/08
                                                             12:00:00
 Interchange ID. . . . . SWEET TEA
 Interchange Name. . . . SWEET TEA - tutorial partner       S/R.   R
 Interchange Cntl# . . . 000000001      Batch/Prof Seq# . . .   10 /     5
 Number of Groups. . .  000001          Ack Date/Time . . . .
 Qual. . . . . . . . .                  Overdue Ack Date/Time
 Acknowledge Stat. . . .                Char. Count . . . . . 00000000480
 Batch ID. . . . . . . POINB

 ISA*00*      *00*      *01*TPDUNSID    *01*123456789     *991012*
 1501*U*00400*000000001*0*T*#?
 GS*PO*TPDUNSID *123456789*19991012*1500*000000001*X*004010?
 ST*850*0001?
 BEG*00*NE*01120001**19991012?
 N1*ST*XX**100?
 PO1**10*EA*5.12**PI*PART-123?
 PO1**30*DA*10.0**PI*PART-456?
 PO1**5*CA*8.25**PI*PART-789?
 CTT*3?
                                                             More...
 Enter=Segment  F1=Help  F11=More Inq  F12=Cancel  F21=Prt Dta  F22=Requeue
```

The data elements and their EDI Standard definitions are displayed in sequential order with the actual EDI data contained in the element (only the first 31 bytes are shown).

```
EDIX454                    Segment Inquiry              EDI    04/30/08
                                                                12:00:00


Segment ID. . . . ST    Transaction Code:  997
Version ID. . . . 004010

Type option, press Enter.
 1=Select  2=View Codes
A  Seq  Ele  Description                    Element Data
1  01   00   TRANSACTION SET IDENTIFIER CODE  997
_  02   00   TRANSACTION SET CONTROL NUMBER   000000001

_
_
_
_
_
_
_                                                               Bottom
F1=Help  F12=Cancel
```

4. To view additional information about a data element, enter **1** in the Option field next to the selected element, and press **Enter**.

The Data Element Definition panel provides expanded information about individual data elements. This information is retrieved from the EDI Standards file.

```
EDIX455                 Data Element Definition         EDI    04/30/08
                                                                12:00:00



Version ID. . . . . . . . . . 004010
Data Element ID . . . . . . . . 143
Description . . . . . . . . . TRANSACTION SET IDENTIFIER CODE

Element Type. . . . . . . . . ID
Minimum Length. . . . . . . . 03
Maximum Length. . . . . . . . 003
Cobol Name. . . . . . . . . . TRANSACTION-SET-IDENT
Composite Code Definition . . .




F1=Help  F12=Cancel
```

5. Press **F12** (Cancel) once to return to the Segment Inquiry (EDIX454) panel.

6. To view the definition for the description of code values for the individual data element, enter 2 in the selected element and press **Enter**.

```
EDIX454                    Segment Inquiry              EDI    04/30/08
                                                                12:00:00


Segment ID. . . . ST    Transaction Code:  997
Version ID. . . . 004010

Type option, press Enter.
 1=Select  2=View Codes
A  Seq  Ele  Description                    Element Data
2  01   00   TRANSACTION SET IDENTIFIER CODE  997
_  02   00   TRANSACTION SET CONTROL NUMBER   000000001
_
_
_
_
_
_
_
_                                                               Bottom
F1=Help  F12=Cancel
```

The Data Code Element
Code Definition (EDIX456)
panel is displayed.

7. Press **F12** (Cancel) until you
   return to the GENMAIN
   menu.

```
EDIX456                  Data Element Code Definition           EDI 04/30/08
CTL01                                                               12:00:00

Version ID . . . . . . . . . . .  004010
Data Element ID. . . . . . . . .  0143

Minimum Length . . . . . . . . .     3
Maximum Length . . . . . . . . .     3
Element Data . . . . . . . . . .  850

Position to Code . . . . . . . .  _____

Composite/
Code           Description
_ 100_____   INSURANCE PLAN DESCRIPTION_____
_ 101_____   NAME AND ADDRESS LISTS_____
_ 104_____   AIR SHIPMENT INFORMATION_____
_ 105_____   BUSINESS ENTITY FILINGS_____
_ 106_____   MOTOR CARRIER RATE PROPOSAL_____
_ 107_____   REQUEST FOR MOTOR CARRIER RATE PROPOSAL_____
_ 108_____   RESPONSE TO A MOTOR CARRIER RATE PROPOSAL_____
                                                                  More...
F1=Help  F4=Prompt  F5=Refresh  F12=Cancel
```

Step 9:   Access EDI Monitor Reports

There are several ways to review the reports after processing has completed. Reports can be accessed from the Message Center (access spooled files), directly from the iSeries output queues (WRKSPLF), and from the EDI Monitor within Gentran.

The EDI Monitor stores a copy of the processing reports if the global parameter is set up to do so. This can be a good way to access a report that is no longer on the iSeries system.

Note: The EDI Monitor can be directly accessed for the job from the Message Center.

To access the EDI Monitor function from the Main Menu:

1.   Select option **11** (System Administration menu) on the GENMAIN menu and press **Enter**.

```
GENMAIN              Gentran:Server for iSeries Release 3.5
                                                       System:   ISDDEV01
Select one of the following:

     1. Work with Partners
     2. Work with Application Definition
     3. Mapping Menu                         (GENMAP)
     4. Communications Menu                  (GENCOM)
     5. Work with Standards
     6. Work with Environment Control

     8. Audit Menu                           (GENAUD)
     9. Message Center Menu                  (GENMSG)
    10. Processing Menu                      (GENPRC)
    11. System Administration Menu           (GENSYS)
    12. Viewpoint Menu                       (GENVPT)
    13. Gentran File Tracking Menu           (GENFILETRK)
    14. Gentran:Server Search Index
                                                        More...
Selection or command
===> 11

 F3=Exit   F4=Prompt   F9=Retrieve   F12=Cancel   F13=User Support
```

2.   Select option **3** (Work with EDI Monitor) on the GENSYS menu and press **Enter**.

```
GENSYS             Gentran:Server System Administration 3.5
                                                       System:   ISDDEV01
Select one of the following:

     1. Global Parameters
     2. Work with Job Scheduler
     3. Work with EDI Monitor
     4. Work with Network Command Interface
     5. Work with Batch Error Message File
     6. Set TELEKOM Network Processing Parameters   (SETTELEKOM)
     7. Display Current Point Release                (PTR)

    10. System Configuration Menu                   (GENSYSCFG)

    90. Sign off




Selection or command
===> 3

 F3=Exit   F4=Prompt   F9=Retrieve   F12=Cancel   F13=User Support
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```

To view a report:

3. Enter **5** (View) in the
    Option field next to the
    process name EBDI02 and
    press **Enter**.

```
EDIX310                    Work with EDI Monitor                EDI 04/30/08
FMT01               pgmlib: G3X5PGM     dtalib: G3X5DTA              12:00:00

Position to Generation Date. . . .  _____    Generation Time. . . .  _____

Type option (and Information), press Enter.
  5=View  6=Print

            Generation      Process       Job            Address
Opt    Date        Time    Name   Status Number    Control   Detail
5_  04-30-08    12:00:00 EBDI02     F   0180635      609      4310
__  04-30-08    12:00:00 EBDI42     W   0180635      608      4294
__  04-30-08    16:08:01 EBDI02     I   0171846      607      4260
__  04-30-08    16:07:51 EBDI01     I   0171846      606      4212
__  04-30-08    16:05:18 EBDI02     I   0171846      605      4178
__  04-30-08    16:05:08 EBDI01     I   0171846      604      4130
__  04-30-08    15:59:01 EBDI02     I   0171846      603      4096
__  04-30-08    15:58:51 EBDI01     I   0171846      602      4051
__  04-30-08    15:45:32 EBDI02     I   0171856      601      4030
                                                                    More...
Parameters or command
===> _____
F1=Help  F3=Exit  F12=Cancel  F15=Sort  F24=More Keys
```

In the EDI Monitor Inquiry
panel, the job number and
process name shown at the
top of the panel are the key
fields identifying this report
in the EDI Monitor file.

You can page through the
report or scroll the report to
the right or left to display
lines that are longer than 76
characters. A plus symbol
(+) indicator appears at the
end of a line that contains
additional data.

```
EDIX311                    EDI Monitor Inquiry                   EDI 04/30/08
CTL01                                                                12:00:00

Job Number . . . . . . . . . . . .  0180635
Process Name . . . . . . . . . . .  EBDI02

 EBDI002     RUN 04/30/08      TIME 12:00:00      EDITOR OUTBOUND PROCESSIN+
 ERROR RECORD SEG ELT/COMP                                               +
 NUMBR NUMBER ID  NBR   INFORMATION           ERROR MESSAGE              +
                                                                         +
   12                         INPUT TRANSACTION FILE EMPTY - PROGRAM TE+
                                                                         +
                   00  RECORDS READ                                      +
                   00  SEGMENTS READ                                     +
                   00  SEGMENTS SUSPENDED                                +
                   00  SEGMENTS WRITTEN                                  +
                   01  ERROR RECORDS WRITTEN                             +
                   00  PASS THRU RECORDS WRITTEN                         +
                   00  DIRECTION RECORDS WRITTEN                         +
                   00  REJECT RECORDS WRITTEN                            +
                                                                    More...
F1=Help  F12=Cancel  F19=Left  F20=Right  F24=More Keys
```

4. When you are finished viewing the data, press **F12** (Cancel) to return to the Work with EDI
    Monitor panel.

Step 10: Print EDI Monitor Reports

All Inbound and Outbound batch processing reports can be printed from the EDI Monitor.

1. To print reports, enter **6** in the Option field next to the selected report(s) and press **Enter**.

2. The system copies the report file to a spool file in the user's default output queue, as defined in the user's Gentran:Server profile. Reports are not deleted from the EDI Monitor file when they are printed so they can be printed again.

```
EDIX310                      Work with EDI Monitor              EDI 04/30/08
FMT01              pgmlib: G3X5PGM      dtalib: G3X5DTA              12:00:00

Position to Generation Date. . . .  _____  Generation Time. . . .  _____

Type option (and Information), press Enter.
  5=View  6=Print

            Generation       Process      Job            Address
Opt     Date       Time     Name   Status Number    Control    Detail
6   04-30-08   12:00:00 EBDI02    F   0180635     609      4310
6   04-30-08   12:00:00 EBDI42    W   0180635     608      4294
    04-30-08   16:08:01 EBDI02    I   0171846     607      4260
    04-30-08   16:07:51 EBDI01    I   0171846     606      4212
    04-30-08   16:05:18 EBDI02    I   0171846     605      4178
    04-30-08   16:05:08 EBDI01    I   0171846     604      4130
    04-30-08   15:59:01 EBDI02    I   0171846     603      4096
    04-30-08   15:58:51 EBDI01    I   0171846     602      4051
    04-30-08   15:45:32 EBDI02    I   0171856     601      4030
                                                                    More...
Parameters or command
===> _____
F1=Help  F3=Exit  F12=Cancel  F15=Sort  F24=More Keys
```

You have now completed the outbound portion of the ANSI tutorial. Press **F12** (Cancel) until you return to the GENMAIN menu.

Where to go next: At this point, you can either go on to the Inbound portion of the tutorial (if you have not already done so) or sign off the system (Option 90 on the GENMAIN menu).

Glossary

Acknowledgment

An acknowledgment is a special Transaction set (either 997 or 999) that is transmitted to the original sender to indicate the status of the transmission with respect to standards adherence. It does not imply acceptance of the contents of the associated Transaction sets.

Acknowledgments are also known as Functional Acknowledgments (the 997 Transaction set) and Accept/Reject Advices (the 999 Transaction set).

Gentran:Server differentiates between inbound acknowledgments (those from your Trading Partner), and outbound acknowledgments (those to go to your Trading Partner). Gentran:Server also deals with "expected acknowledgments" that should be satisfied by inbound acknowledgments.

Acknowledgment Reconciliation

The primary purpose for using the Audit file is to verify the documents you sent have been received by your Trading Partner. The Functional Acknowledgment is sent by your Partner to indicate it had been received and if there were any compliance errors. When you receive the Acknowledgment, it must be processed INBOUND (PRCTRNIN). The acknowledgments do not have to be mapped, though. The reconciliation is performed by the Inbound Editor by posting a status flag on the original EDI document sent and the date of the acknowledgment.

Application

An in-house program designed to process specific jobs. This program is formatted by the customer for their business needs. (Example, payroll.)

Application Definition

The definition of the application interface file used during the mapping process.

Application File

A file, or set of files, containing application data destined to be sent out through EDI to specific Trading Partners or that has been received through EDI and translated to the application format from specific Trading Partners.

Application File Types

There are three "application file types" that can be used with Gentran: multiple externally described physical files (created using DDS), one externally described multi-format logical file (created using DDS), or one internally described physical file (flat file created using record length instead of DDS).

- An external file to Gentran is a file created using DDS.

- An internal file to Gentran is a "flat file" that contains multiple record types and is typically defined within each program that it is used. It has a field that contains the record format in each record of the file.

- A logical file to be used in Gentran must be a multi-format logical file. Logical files are typically used for outbound documents. By using logical files for outbound documents, you can select specific records based on some indicator field in the file if only certain records are to be processed through EDI. Only one logical file can be defined to an application definition.

- A physical file is a file that has been created external to Gentran using DDS. Multiple physical files can be used within an application definition. An example application definition might have four physical files: a header file, a comments file, a detail file, and a summary file. Another application may only contain a header file and a detail file. For outbound applications, physical files must be keyed or your fields need to be identified to Gentran as the fields that should be used by Gentran for key fields for the logical file that Gentran builds over your physical files during outbound processing. There is no requirement for key fields for Inbound Processing.

Application ID

A user-defined identifier indicating the source or destination of documents, typically used in reporting and routing of inbound documents.

Batch Processing

A type of data processing operation and data communications transmission where related transactions are grouped together and transmitted for processing. Usually by the same computer and under the same application; generally regarded as non-real time data traffic consisting of large files; type of data traffic where network response time is not critical; compare with interactive (processing).

Comm Profile ID

The identifier under which communications information is stored. All protocol information about how communication sessions will be performed with this entity, whether it be a Third Party Network or a Direct-connect, is also stored under this identifier. The inbound and outbound EDI data is stored in Queue files under the Comm Profile ID so that when a communication session is established with this entity, all data under this identifier will be picked up and sent to them, and any data received will be stored under this identifier.

COMMERCE:Network

Sterling Commerce's Value Added Network (VAN).

Compression

An automated process where data is compressed and wrapped by removing trailing blanks and spaces from segments, groups, and/or transactions. Data compression reduces data field information to its minimum (for cost effectiveness). This is controlled by Gentran global parameters.

Control Numbers

These are assigned by the sender for the purpose of identifying documents and transmissions, and to facilitate sequence checking by the receiver. Control numbers are maintained at three levels: the Transmission or Interchange, the Functional Group, and the Transaction Set.

Gentran:Server supports numerous methods of maintaining, formatting and checking sequence numbers to accommodate the variations in your industry.

Data Element

The smallest named item in a segment that can convey data. For example, "Bill To City" is one data element within a segment.

Data Separation

See *Splitting*.

Decompression

An automated process to decompress or "unwrap" data received by re-inserting trailing blanks and spaces. This occurs during the inbound editing process.

Delimiters

Delimiters are special characters used to separate and mark the end of segments and the beginning of data elements. Two characters are required (one is used to separate data elements, the other to separate segments) and, when used as delimiters, the characters may not be used within the data itself. A third delimiter is used in EDIFACT messages to separate subelements. Delimiters are dynamically defined by the Interchange Envelope.

EDI (Electronic Data Interchange)

Electronic Data Interchange (EDI) is the exchange of routine business transaction in a computer-processable format, covering such traditional applications as inquiries, planning, purchasing, acknowledgments, pricing, order status, scheduling, test results, shipping and receiving, invoices, payments and financial reporting.

EDI Coordinator

A person assigned to coordinate EDI functions for an organization. As EDI and EC (Electronic Commerce) continue to grow at a rapid pace, the role of the Coordinator is dynamically changing. Many Coordinators are asked to fill a complex role of being a business analyst, technical wizard, and liaison to the trading partner, while performing daily audits and controls.

The EDI Coordinator is responsible for the setup of partners, maps, daily processing, communications, and acknowledgment reconciliation.

Editor

The Inbound Editor uses pre-determined instructions to verify, check, and possibly reject the EDI standard data you have received from a Trading Partner, and moves the edited data to split files and then to the appropriate inbound application files via Mapping.

The Outbound Editor prepares your data for transmission to your Trading Partners. Outbound processing translates your application data to the chosen EDI standard being used, and checks all data to ensure compliance with the selected public standard.

Element

A unit of information with specific edit and length characteristics. This represents the smallest unit of information in the Standard. Also called a data element.

Element Separator

A syntax character used to separate data elements within a segment. Also referred to as a "delimiter".

Envelope

The transmission header and trailer enclosing an EDI message. This is automatically generated by Gentran:Server using the information on the Partner file.

There are three levels of envelopes: Interchange, Group, and Transaction.

Environment Profile

The environment profile is a subset of the Gentran:Server user's profile that contains parameters specific to the environment in which the user runs Gentran:Server. These parameters include the data formats, language ID, and division code used for the online file maintenance panels as well as the following batch processing options: job description, job queue, message queue, output queue, print device, and print file.

The program and data libraries are used only when files are requested to be created without a target library. They are defaulted from the libraries defined during installation of Gentran:Server.

EOT

End of Transmission

Field

The smallest item of information in a record.

Function

In Gentran:Server, a function refers to a program or command under a subsystem that can be secured individually in the Environment Control subsystem.

Functional Acknowledgment

A special transaction set transmitted by a receiver as an affirmative response to the sender. This is automatically generated and reconciled by Gentran:Server based upon the Trading Partner configuration.

Global Parameters

The switches that affect the Editing function during Translation. Typically they identify whether a feature should be performed for all Partners in the same manner or whether it should be performed on a partner-by-partner basis by looking at the Partner parameters. One feature in the Global Parameters is whether acknowledgements should be created for all Partners or on a partner-by-partner basis.

Header

The portion of the message that precedes the actual body and trailer of the business transaction.

Key Entry Line

>   This is the blank line at the top of the subfile in which you enter the key fields necessary to advance to the next panel, as specified by the option code selected.

Loop

>   A loop is when more than one EDI segment exists that occur together more than one time. In order to evaluate the information, all the segments need to be evaluated together. It is the group of multiple segments that occur repeatedly. A common loop is the N1 loop that contains Name and Address information.

Loop ID

>   This is the identifier used in Gentran:Server to tie all the segments together to produce a Loop. This loop ID can also exist on the Application records to identify a single record or group of records that is associated with the loop on the EDI side.

Mandatory

>   A statement that a segment, data element or component data element <u>must</u> be used.

Map

>   The "map" is the definition of instructions for moving data between the EDI format and the Application format. It is also known as the Transaction Definition. To perform the "task of mapping" means to create the definition of how to move the data between elements and fields.

Mapping

>   Map processing utilizes user-defined maps to translate business documents from the in-house data format to the selected EDI standard or from EDI standard to internal format. Maps are defined using the online Mapping Integration system. When data is created by the user's application program and processing is initiated, the system selects the proper map, based on partner definitions, and translates the data into the EDI standard format.

Max Loop

>   This is the number of times a loop can occur on the EDI side. If the N1 loop contains Name and Address information, the Max Loop value would identify how many different Name and Address loops can occur.

Max Use

>   The number of times a segment or record can occur. If this value is more than one, the segment or record would be read or written multiple times before the next segment or record.

Partner

The Partner is commonly known as the Trading Partner and is someone with whom you are trading EDI documents.

Partner ID

The Partner ID is the identifier used in the Partner file under which information is stored that is necessary to trade EDI documents via Gentran:Server. This identifier can be an internal identifier for how you know them in your Applications such as a customer or vendor number, or it can be a descriptive identifier such as a company name, or it can be an EDI-specific identifier such as a DUNS number or communications phone number.

Partner Profile

The Partner Profile refers to all of the information that is stored under the Partner ID. This information includes what EDI documents are being traded, what values should be loaded into the envelopes when sending data outbound, error rejection rules, and FYI comments.

Security Profile

The security profile is a subset of the Gentran:Server user's profile that contains authority codes defining the subsystems and functions the user can access as well as the level of access allowed to that user.

If the user has full or partial access to a subsystem, the level of access is determined by the data rights.

Segment

Each record in a transaction set or a string of associated data elements. A segment is like a sentence: composed of data elements that appear in a specific order to convey its meaning. Envelope segments come in pairs, for example, GS/GE group parts, and ST/SE transaction set pairs.

Segment Terminator

The syntax character that is used to identify the end of a segment. One of the most common terminators used in EDI is HEX '15' (new line character).

Separation

See *Splitting*.

Simple Data Element

A data element whose data item representation embodies a single concept; that is, a data element that is not made up of component data elements.

Split File

The Split file is one of the work files used during the Inbound Processing by the Splitter program to separate or sort the EDI data by the Application type in preparation for Mapping. There are 80 Split files available (identified as numbers 01-80).

Splitting

This is the process during Inbound Translation that occurs to separate the edited EDI data by Application types prior to the Mapping process. EDI data that is received may be from many different Partners and may contain several different types of documents. It is much more efficient to sort the data by Application type before mapping the EDI data into the Application formats.

Sub-Split File

This file further separates the data within each of the 80 Split files by using an element in the EDI data to determine where the data should be placed. There are 80 Sub-Split files available per Split file or Slide file.

Subsystem

This is a collection of functions categorized together to perform certain tasks in Gentran. The Partner subsystem is a group of functions that collectively allow you to define the Trading Partner.

Summary Area

The portion of the message that follows the body of the message and contains summary information relating to the entire message.

Suspension

When Gentran:Server cannot determine key information necessary in order to continue processing, the data is placed in the Suspense File. Suspended data is in error and the Editor and/or Mapping Reports can be evaluated to determine the cause of the suspension. Typically, suspension occurs when the Partner ID cannot be found in the Partner file for whom the data is destined or the Transaction ID cannot be found to instruct the Mapper how to move the data between formats.

Trading Partner

A Trading Partner is any organization with whom you do business. Typically, Trading Partners are customers, suppliers, and intra-company divisions.

Transaction ID

Within Gentran:Server, the mapping definition that identifies how data is moved between the EDI format and the Application format is stored under an identifier, known as the Transaction ID.

Transaction Set

The Transaction set is the EDI equivalent of an Application document. Common documents include Purchase Orders and Invoices. The X12 Transaction sets for these are 850 and 810. The UCS Transaction sets for these same documents are 875 and 880. The Transaction set is the EDI format of Segments and Elements that compose the related information for the document. These Transaction set numbers vary between Standards.

Translation

Translation is the process of moving the data between EDI and Application formats using the mapping definition. Translation occurs in Gentran:Server by the Inbound and Outbound Mappers during PRCTRNIN and PRCTRNOUT.

User ID

The User ID refers to an individual defined in the Environment Control subsystem as someone who can access Gentran:Server. The Gentran:Server User ID is set up using the iSeries User ID.

User Document Reference

The User Document Reference is a user-defined field that provides a way of referring to EDI documents by your existing methods – for example, documents can be referred to by your Purchase Order Number rather than referring to an EDI control number. The User Document Reference is supported for both inbound and outbound documents.

User Exit

The point during Translation mapping that an API (Application Program Interface) can be invoked to perform some special processing. The Gentran:Server mapping is temporarily suspended while this API is invoked. Data from the Mapping can be passed to the API through the User Exit Call Block. User Exits can be invoked at the Element level, the Segment level, and the Mapping Run level (at the Start of and End of Mapping).

User Profile

The user profile refers to the combination of the environment profile and the security profile that is defined for each user in Gentran:Server. This profile identifies what systems and functions the user is permitted to access as well as the data rights for each subsystem.

This profile is specific to Gentran:Server, however, it cannot be created without first having an iSeries User ID and does not supersede any of the user's iSeries authority.

For example, if a user's iSeries profile has the option "Limit Capabilities" set to '*YES', then the user cannot execute any commands from the command line, including Gentran-specific commands. Command line authority is maintained within Gentran's "Work with" panels.

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