

EDI Complete

EDIFACT Tutorial Guide

for Gentran:Server[®] for iSeries[®]

Release 3.5

Sterling Commerce
An IBM Company

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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.

This EDIFACT Tutorial enables you to accomplish an end-to-end translation scenario with hands-on experience in partner setup, mapping, end translation, and 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, *SAVE
Sample Tutorial Library . . . . . G3X5SAMP      Name
Run Interactively? . . . . . *NO             *YES, *NO

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 coffee bean supplier called “Mycompany, Inc.”
- Your trading partner is a coffee bean distributor called “Coffee Distributors.”
- Your partner wants to send EDIFACT purchase orders and receive invoices using the standards version D 94B.
- 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.

For inbound, go to page 1 - 1.

For outbound, go to page 7 - 1.

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

Inbound Overview

In this inbound exercise, you will set up your Gentran:Server system to receive purchase orders from Coffee Distributors. 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 pointers 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.

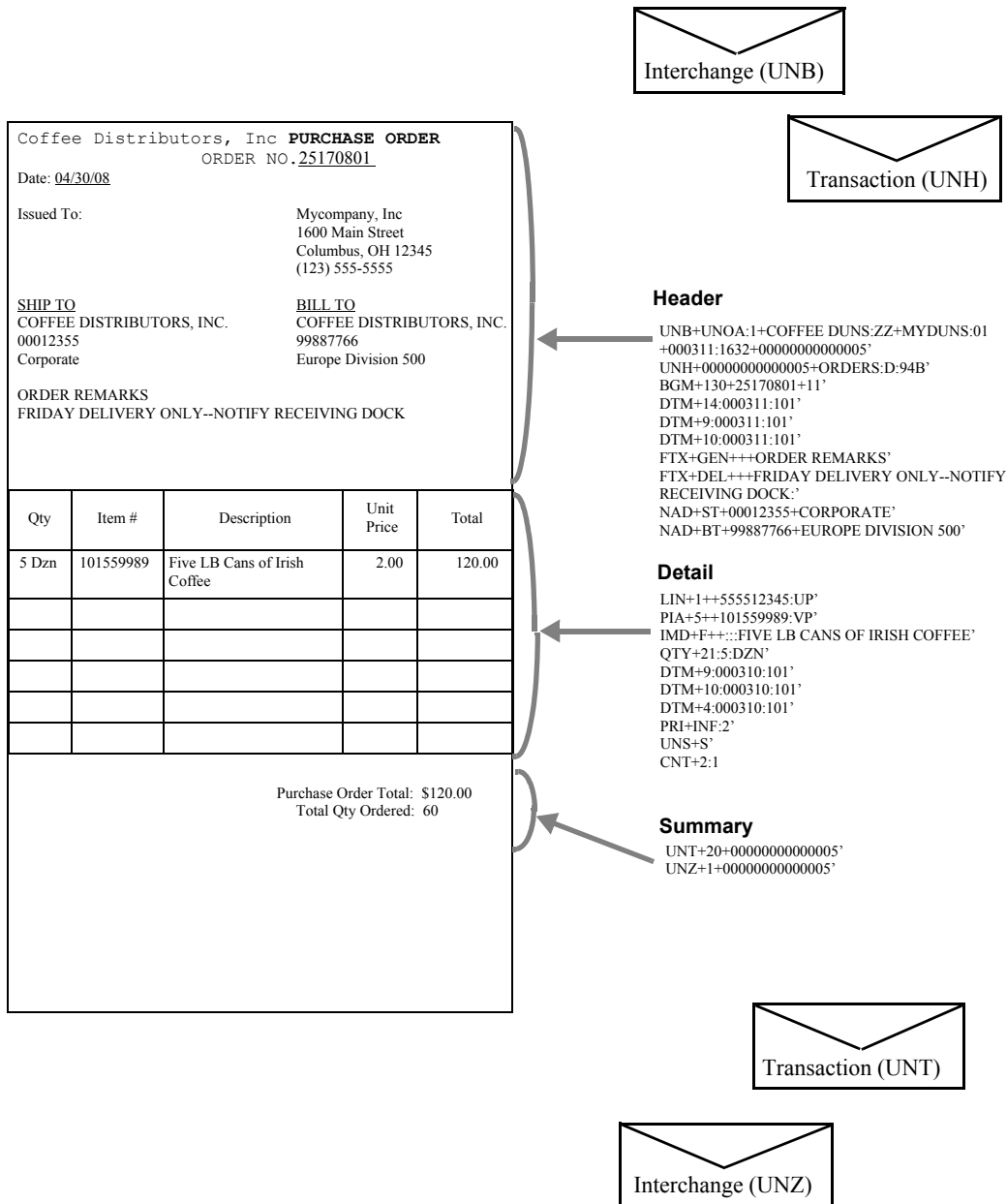
Assumptions

In this scenario, assume the following information is going to be sent by your trading partner (Coffee Distributors) 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

Inbound Overview

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 EDIFACT standard D 94B to translate the data.) In this exercise, you will be generating the application data during translation.



Signing On to the Gentrans 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 Gentrans, 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 Gentrans. 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 have 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.

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 will remain 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, enter **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
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```

Viewing the EDI Data

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

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

```

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
(C) COPYRIGHT Sterling Commerce Inc., 2008, ALL RIGHTS RESERVED.
  
```

- To view the detailed data, enter **5** in the Option field next to the selected batch and press **Enter**. The Inbound Queue Inquiry panel is shown. We have illustrated profile sequence 3 for CN3BSC profile.

```

EDIX407                               Work with Inbound Queue Control       EDU 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
Opt Profile  Sts  Profile  Seq #  Date      Time      Records  Comm  Batch  Batch
-----  ---  ---  ---  ---  ---  ---  ---  ---  ---  ---
---  CN3BSC  RN      6  04-30-08  15:16:30    7    10    11  EDIFACT
---  CN3BSC  PI      5  04-30-08  11:09:17   12     9    10  POINB
 5  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 displays the actual data contained in the selected batch.

To see the remaining data for each line number, press **F19** (Left) and **F20** (Right) to window left and 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 . . . . 000003                Status . . . . . H
Date Received . . . 04/30/08              Batch Seq Number. . 0000003
Time Received . . . 12:00
Batch-Id. . . . . Edifact orders document

UNB+UNOA:1+COFFEEEDUNS:ZZ+MYDUNS:01+000311:1632+00000000000005'UNH+000000000000
+ORDERS:D:94B'BGM+130+25170801025+11'DTM+14:000311:101'DTM+9:000311:101'DTM+1
00311:101'FTX+DEL+++FRIDAY DELIVERY ONLY--NOTIFY RECEIVING DOCK:'FTX+GEN+++OR
REMARKS'NAD+ST+00012355+CORPORATE'NAD+BT+99887766+EUROPE DIVISION 500'
LIN+1+555512345:UP'PIA+5++101559989:VP'IMD+F++::FIVE LB CANS OF IRISH COFFEE
QTY+21:5:DZN'DTM+9:000310:101'DTM+10:000310:101'DTM+4:000310:101'
PRI+INF:2'UNS+S'CNT+2:1'UNT+20+00000000000005'UNZ+1+00000000000005'

                                           Bottom

F1=Help  F2=Hex  F5=Refresh  F12=Cancel  F17=Next Rcd
F19=Left  F20=Right  F21=Prt Dta
Bottom of data records
  
```

- 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. To reset the status, enter **2** in the Option field next to the Profile CN3BSC, profile sequence 3 with Batch ID Edifact and press **Enter**.
2. Enter **RN** in the Change Status To field in the pop-up window displayed 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=PRCTRININ  30=Extract Data

Opt Profile  Sts  Profile  Date      Time      Records  Comm  Batch  Batch
-----  -----  -----  -----  -----  -----  -----  -----  -----
   CN3BSC  RN    6  04-30-08  15:16:30    7    10    11 EDIFACT
   CN3BSC  PI    5  04-30-08  11:09:17   12     9    10 POINB
  2  CN3BSC  H    3  04-30-08  14:13:34    7     2     3 Edifact OAP
                                           ILE

Change Status to
  RN
  F3=Exit  F12=Cancel

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 through a communications session—Congratulations!

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

Setting Up a Partner

**NOTE**

If you have already set up the ‘Coffee Dist’ partner during the outbound section of this EDIFACT tutorial, skip this chapter and go to Chapter 4, “Setting Up an Inbound Application Definition.”

In this Chapter

You will complete the following tasks in this chapter:

- Create the Partner ID.
- Add Partner Transactions.
- Update Name and Address Information.
- Add Partner Cross References.

What is a Partner?

In EDI, anyone with whom you transfer documents electronically 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 every partner with whom you exchange EDI documents. Setting up a ‘partner profile’ identifies key characteristics of your EDI environment and your partner’s environment that are 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 you like for the partner ID. Typically, most users choose an easily recognizable reference, such as a company name.

1. First, access the Work with Partners subsystem. On the GENMAIN menu, enter **1** (Work with Partners) 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
====> 1

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

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

```

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 COFFEE DIST
  !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)
 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
    
```

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

The Partner Control panel is displayed.

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

```

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

Partner ID . . . . . COFFEE DIST
Partner Qualifier. . . . .
Partner Name . . . . . *** Name Not On File ***
Division . . . . . 000
Interchange Header Option. . . . . UNB
Last Incoming Sequence Number. . . . .
GS Sender ID Qualifier . . . . . N
GS Receiver ID Qualifier . . . . . N
Expect a TAL, ACL, 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
    
```

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

- On the second panel, leave the default delimiters. Press **Enter** to advance to the next panel.

```

EDIX012          Partner Control          EDI 04/30/08
FMT02                               12:00:00

Partner ID . . . . . COFFEE DIST
Partner Qualifier. . . . .
Partner Name . . . . . *** Name Not On File ***

Outbound envelope information for UNA segment
Component Element Separator. . . . UNA01 | or Hex 7A
Element Separator. . . . . UNA02 + or Hex 4E
Decimal Notation . . . . . UNA03 _ (, or .)
Release Indicator. . . . . UNA04 ?
Segment Terminator . . . . . UNA06 ! or Hex 7D

Outbound envelope syntax ID for UNB segment
Syntax ID . . . . . UNB01 UNQA Version. . . . . UNB01 |

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

- On the third panel, enter **MYDUNS** in the Sender ID field.
- Enter **01** in the Sender Qualifier field.
- Enter **COFFEEEDUNS** in the Recipient ID field.
- Enter **ZZ** in the Recipient Qualifier field.
- Press **F10** (Update) to create the partner and return to the Work with Partners panel.

```

EDIX012          Partner Control          EDI 04/30/08
FMT08                               12:00:00

Partner ID . . . . . COFFEE DIST
Partner Qualifier. . . . .
Partner Name . . . . . *** Name Not On File ***

Outbound envelope information for UNB segment
Syntax ID . . . . . UNB01 UNQA Version. . . . . UNB01 |
Sender ID. . . . . UNB02 MYDUNS
Sender Qualifier . . . . . UNB02 01
Rev Routing Address. . . . . UNB02
Recipient ID . . . . . UNB03 COFFEEEDUNS
Recipient Qualifier. . . . . UNB03 ZZ
Routing Address. . . . . UNB03
Control Reference. . . . . UNB05 0000000000000000
Recipients Password. . . . . UNB06
Appl Reference . . . . . UNB07
Priority Code. . . . . UNB08 Ack Requested. . . UNB09
Comm Agreement ID. . . . . UNB10
Test Indicator . . . . . UNB11

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

Step 2: 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 two transactions for this partner: INVOIC (for invoices) and ORDERS (for purchase orders).

First, create the transaction ID called INVOIC (invoices).

1. On the Work with Partners panel, enter **12** (Transactions) beside the partner you created (Coffee Dist) in the last step and press **Enter**.

```

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

Position to Partner ID . . . . . COFFEE DIST          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
-----
12 COFFEE DIST          COFFEE DIST
   C13579              International Parts & Service
   C24680              C24680
   ICS-PARTNER         Example of an ICS Partner
   INSPARTNER          INSPARTNER
   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
                               More...

Parameters or command
====>
F1=Help F3=Exit F12=Cancel F15=Sort F23=More Options F24=More Keys
Create Operation Successful.
    
```

2. On the Work with Partner Transactions panel, enter **1** (Create) in the Options field on the key entry line.
3. Enter **INVOIC** in the Trans 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 COFFEE DIST

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

Opt Tran ID In Map          Out Map
1 INVOIC
!!!DFT

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

To enter the transaction set information for transaction ID INVOIC:

- Enter **Y** in the Send Transaction Outbound field and in the Acknowledge Specific Trans field. Then press **Enter** to go to the second Partner Transaction panel.

```

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

Partner ID . . . . . COFFEE DIST
Partner Qualifier. . . . .
Partner Name . . . . . COFFEE DIST
Transaction ID . . . . . INVOIC

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

F1=Help  F8=Next  F10=Update  F12=Cancel  F24=More Keys
    
```

- Enter all zeros (or enter a zero and press **Field Exit** to zero-fill) to fill the Message Reference Number field.
- Enter **D** in the Version Number field.
- Enter **94B** in the Version Release Number field.
- Press **F10** (Update) to create the transaction and return to the Work with Partner Transactions panel.

```

EDIX041          Partner Transaction          EDI 04/30/08
FMT03                                     12:00:00

Partner ID . . . . . COFFEE DIST
Partner Qualifier. . . . .
Partner Name . . . . . COFFEE DIST
Transaction ID . . . . . INVOIC

Outbound envelope information for UNH segment
Message Reference Number . . UNH01 00000000000000
Message Type . . . . . UNH02 INVOIC
Version Number . . . . . UNH02 D
Version Release Number . . . UNH02 94B
Controlling Agency . . . . . UNH02
Version Association Code . . UNH02
Common Access Reference. . . UNH03
Status of Transfer . . . . . UNH04
Seq Message Transfer No. . . UNH04
Reference Number Option. . . . .

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

Next, you will create the ORDERS transaction using the Copy feature.

- Enter **3** in the Option field next to transaction ID INVOIC and press **Enter**.
- In the pop-up window, enter **ORDERS** 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 COFFEE DIST

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  INVOIC

Copy To
ORDERS
F3=Exit  F12=Cancel

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

Bottom
    
```

Next, you will change some of the values copied from the INVOIC transaction set.

11. Enter **Y** in the Accept Transaction Inbound and **N** in the Send Transaction Outbound fields.
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 . . . . . COFFEE DIST
Partner Qualifier. . . . .
Partner Name . . . . . COFFEE DIST
Transaction ID . . . . . ORDERS

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
Acknowledge Specific Trans . . . . . Y

F1=Help  F8=Next  F10=Update  F12=Cancel  F24=More Keys
    
```

Next, you will create the CONTRL transaction (for functional acknowledgments) using the Copy feature.

13. Enter **3** in the Option field next to Transaction ID INVOIC and press **Enter**.
14. In the pop-up window, enter **CONTRL** 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 COFFEE DIST

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  INVOIC

Copy To
CONTRL
F3=Exit  F12=Cancel

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


- Enter **Y** in the Accept Transaction Inbound and keep the **Y** in the Send Transaction Outbound fields. Press **Enter** or **F8** to access the second panel.

```

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

Partner ID . . . . . COFFEE DIST
Partner Qualifier . . . . .
Partner Name . . . . . COFFEE DIST
Transaction ID . . . . . CONTRL

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
Acknowledge Specific Trans . . . . . Y

F1=Help  F8=Next  F10=Update  F12=Cancel  F24=More Keys
    
```

- Enter **0** in the Message Reference Number, if not already 0, and press **Field Exit** to zero-fill.
- Press **F10** (Update) to create the transaction and return to the Work with Partner Transactions panel.
- Press **F12** (Cancel) until you return to the Work with Partners panel.

```

EDIX041          Partner Transaction          EDI 04/30/08
FMT03                               12:00:00

Partner ID . . . . . COFFEE DIST
Partner Qualifier . . . . .
Partner Name . . . . . COFFEE DIST
Transaction ID . . . . . CONTRL

Outbound envelope information for UNH segment
Message Reference Number . . UNH01 0000000000000000
Message Type . . . . . UNH02 CONTRL
Version Number . . . . . UNH02 0
Version Release Number . . . UNH02 94B
Controlling Agency . . . . . UNH02
Version Association Code . . UNH02
Common Access Reference . . . UNH03
Status of Transfer . . . . . UNH04
Seq Message Transfer No. . . UNH04
Reference Number Option . . . . .

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

Step 3: 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 (Coffee Dist) 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 . . . . . COFFEE DIST          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 COFFEE DIST          COFFEE DIST
  C13579          International Parts & Service
  C24680          C24680
  ICS-PARTNER          Example of an ICS Partner
  INSPARTNER          INSPARTNER
  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
                               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 . . . . . COFFEE DIST
Qual Name. . . . .

Name . . . . . COFFEE DIST - 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 4: Add Partner Cross References

Cross-reference entries are used to help Gentran:Server find the partner ID in the partner file. Identifiers may be used which are different from the partner ID in the application and EDI data. The cross-reference entries “tie” the other identifier(s) back to the partner ID. In this exercise, you will be adding two cross-reference values for your partner (Coffee Dist).

- 1. On the Work with Partners panel, enter **17** in the Option field beside your partner (COFFEE DIST) and press **Enter**.

```

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

Position to Partner ID . . . . . COFFEE DIST          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 COFFEE DIST          COFFEE DIST - Tutorial Partner
C13579                  International Parts & Service
C24680                  C24680
ICS-PARTNER             Example of an ICS Partner
INSPARTNER              INSPARTNER
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
More...

Parameters or command
====>
F1=Help  F3=Exit  F12=Cancel  F15=Sort  F23=More Options  F24=More Keys
Revise Operation Successful.

```

- 2. Enter **COFFEEDUNS** in the X-Ref field on the first blank line and **ZZ** in the Qual field.
- 3. In the X-Ref field on the second line, enter **VDR#99999**. (VDR#99999 is a value from the application.)
- 4. Press **Enter** to add the new cross references.
- 5. Press **F12** (Cancel) until you return to the GENMAIN menu.

```

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

Partner ID . . . . . COFFEE DIST
Qualifier. . . . .
Partner Name . . . . . COFFEE DIST - Tutorial Partner
Position to X-Ref. . . . . _____

Type option, press Enter.
  4=Delete

Opt X-Ref          Qual
-----
COFFEEDUNS        ZZ
VDR#99999         _____
_____
_____
_____
_____
_____
_____
More...

F1=Help  F4=Prompt  F5=Refresh  F10=Update  F12=Cancel  F24=More Keys

```

You have now completed partner setup – congratulations!

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

Setting Up an Inbound Application Definition

In this Chapter

In this chapter, you will complete the following tasks:

- Access the Application Definition Subsystem.
- Define the Application ID.
- Customize Application Records/Files.
- Customize Header Application Fields.
- Customize Detail Application Fields.

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.”

Step 1: Access the Application Definition Subsystem

To access the Application Definition subsystem:

1. Enter **2** on the command line 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

Selection or command
====> 2

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

Step 2: Define the Application ID

The Work with Application Definition panel provides you with the option for creating a new application definition. Typically, most users will 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 on the key entry line.

2. Enter **ORDERSINB** in the Appl(ication) ID field. If ORDERSINB already exists, replace INB with your initials.

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

The Application Definition panel is displayed.

```

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  ORDERSINB  R                               External Phys. PI   MKK
--- BINARYOUT  S  BINARY OUT SAMPLE                               External Phys. IN   EDI
--- INVFILE   R  Invoice Inbound                               Internal Phys. IN   EDI
--- INVVIC   S  Edifact Invoice                               Y2K External Lgl. INVOIC EDI
--- INVVICOUT 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, you will specify the characteristics of the application definition.

4. Enter **Tutorial EDIFACT Orders Inb** in the Description field.
5. Enter **ORDERS** 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 (this indicates that the application file is an externally defined multi-format logical file).

```

EDIX552          Application Definition          EDI 04/30/08
FMT01                                12:00:00

Application ID . . . . . ORDERSINB
Send or Receive. . . . . R

Division . . . . . 000
Description. . . . . Tutorials EDIFACT Orders inb
Functional Groups. . . . . ORDERS
                        _____
                        _____
                        _____
                        _____
                        _____
File Type. . . . . L
EDI Split File . . . . . 00002
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
    
```

Optionally, you can press **F4** (Prompt) for a list of file types.

7. Enter **2** in the EDI Split file and press **Field Exit** (or enter **00002**).
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 & Fields is displayed at the bottom of the panel.

Step 3: Customize Application Records/Files

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

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.

- Change the A (Area) Field for sequence 20 to **D** for Detail.
- Enter **0500** in the Loop ID field for sequence 20 and press **Enter** to update.

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

```

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

Position to Application ID . . . .  ORDERSINB  S/R  E

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 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
---
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
Create Operation Successful.
    
```

```

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

Application ID . . . . .  ORDERSINB
Send or Receive. . . . .  R
Description. . . . .  Tutorials EDIFACT Orders inb

Position to Sequence Number. . . .  ____

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

Opt Seq Rec/File  A ID      Loop Max          Last Update
---  ---  ---  ---  ---  ---  ---  ---  ---  ---  ---
10 POHEADER     H          1 M Y Training Class: PO Header  12-12-03 EDI
20 PODETAIL     D          1 M Y Training Class: PO Detail  12-13-03 EDI
---  ---  ---  ---  ---  ---  ---  ---  ---  ---
---  ---  ---  ---  ---  ---  ---  ---  ---  ---
---  ---  ---  ---  ---  ---  ---  ---  ---  ---
---  ---  ---  ---  ---  ---  ---  ---  ---  ---
---  ---  ---  ---  ---  ---  ---  ---  ---  ---
---  ---  ---  ---  ---  ---  ---  ---  ---  ---
More...
F1=Help F4=Prompt F10=Update F12=Cancel F24=More Keys
    
```

```

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

Application ID . . . . .  ORDERSINB
Send or Receive. . . . .  R
Description. . . . .  Tutorials EDIFACT Orders inb

Position to Sequence Number. . . .  ____

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

Opt Seq Rec/File  A ID      Loop Max          Last Update
---  ---  ---  ---  ---  ---  ---  ---  ---  ---
11 10 POHEADER     H          1 M Y Training Class: PO Header  12-12-03 EDI
20 PODETAIL     D          1 M Y Training Class: PO Detail  12-13-03 EDI
---  ---  ---  ---  ---  ---  ---  ---  ---  ---
---  ---  ---  ---  ---  ---  ---  ---  ---  ---
---  ---  ---  ---  ---  ---  ---  ---  ---  ---
---  ---  ---  ---  ---  ---  ---  ---  ---  ---
---  ---  ---  ---  ---  ---  ---  ---  ---  ---
More...
F1=Help F4=Prompt F10=Update F12=Cancel F24=More Keys
    
```


Step 4: Customize Header Application Fields

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.

The sample application requires a default value for Customer Number. To accomplish this task, make the changes listed below.

1. Enter **SENDER-ID** in the Field Value field for sequence 5 (Customer Number).
2. Enter **CY** in the TY (Type) field for sequence 10 for PODATE. This indicates the date should be converted to YYYYMMDD format in the application.

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.SHIPNAME	AN	38	25	M	SHIP TO NAME	

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).
2. Change the Ty (Type) field for sequence 10 (PO Date) to **CY** and enter **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.

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

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.

Creating an Inbound Transaction Map

In this Chapter

In this chapter, you will create a transaction map for a purchase order by completing the following:

- Access the Transaction Mapping Subsystem
- Create a Transaction ID
- 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 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, select option **2** (Work with Transaction Mapping) on the GENMAP menu 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 an option for creating a new transaction ID. Typically, most users choose a name that identifies the transaction, version, and partner-specific code.

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 **ORDERSINB** in the Tran(saction) ID field. If **ORDERSINB** already exists, replace 'INB' with your initials.
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  ORDERSINB    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
-- POMAP4010    R  SEMPAPPL   Purchase Order Inbound 004010    EDI  P
-- SEMINMAP1    S  SEMINAPPL  SEMINAR 810 OUTBOUND MAP 2040   CSG  P

Parameters or command
====>
F1=Help  F6=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 ORDERS Inbound D:94B** in the Description field.

2. Enter **D 94B** in the Standards Version field.

Note: There are *two* blank spaces between the letter 'D' and the number '9.'

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

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

5. Enter **G** in the Use Code field for a General Map (not specific to a partner).

6. Enter **E** in the Envelope Type field for 'EDIFACT.'

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

8. In the pop-up window that is displayed, select the application ID that you created in the last section (ORDERSINB) by entering **1** in the field next to it and pressing **Enter**.

9. 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.

Transaction Map Definition		EDI 04/30/08
EDIX503		12:00:00
FMT01		
Transaction ID	ORDERSINB	
Send or Receive.	R	
Division	000	
Description.	Tutorial ORDERS Inbound D:94B	
Standards Version.	D 94B	
Transaction Set.	ORDERS	
Transaction Set Release.	0	
Transaction Status	T	
Use Code	G	
Envelope Type.	E	
Application ID	ORDERSINB	
Application Selection Field Values	_____	_____
Update Allowed	Y	
F1=Help F4=Prompt F10=Update F12=Cancel F13=Services F24=More Keys		

Step 5: Access the Copy Segments from Standard 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 (ORDERSINB) and press **Enter**.

```

EDIX500          Work with Transaction Mapping          EDI 04/30/08
FMT01                               12:00:00

Position to Transaction ID . . . . . ORDERSINB 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 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
---
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
---
More...

Parameters or command
====>
F1=Help F6=More/Less F12=Cancel F15=Sort F23=More Options F24=More Keys
Create Operation Successful.
    
```

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

```

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

Transaction ID . . . . . ORDERSINB
Send or Receive. . . . . R
Standard . . . . . D 94B
Transaction Set. . . . . ORDERS

Type option, press Enter.
3=Copy

Opt  Seq      Seg Man   Max Loop   Max
   No  Area Id  Cd      Use Id     Loop Description
---
3    1  H  BGM  M      1          BEGINNING OF MESSAGE
3    2  H  DTM  M     35         DATE/TIME/PERIOD
---
3    3  H  PAI  C      1          PAYMENT INSTRUCTIONS
---
3    4  H  ALI  C      5          ADDITIONAL INFORMATION
---
3    5  H  IMD  C      1          ITEM DESCRIPTION
---
3    6  H  FTX  C      5          FREE TEXT
---
3    7  H  RFF  C      1 0010     10 REFERENCE
---
More...

F1=Help F10=Update F12=Cancel F13=Services
    
```

3. Press **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.

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

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

Segment	Seq #	Comments
BGM	1	Mandatory – will already have 3 in the Option field.
DTM	2	Mandatory – will already have 3 in the Option field.
FTX	6	Enter 3 in the Option field.
NAD	9	Enter 3 in the Option field.
LIN	68	Enter 3 in the Option field.

Segment	Seq #	Comments
PIA	69	Enter 3 in the Option field.
IMD	70	Enter 3 in the Option field.
QTY	72	Enter 3 in the Option field.
DTM	75	Enter 3 in the Option field.
PRI	87	Enter 3 in the Option field.
UNS	152	Mandatory – will already have 3 in the Option field.
CNT	154	Enter 3 in the Option field.

Step 6: Access the Element Mapping Inbound Panel

Now that you have the segments in your map, you can begin mapping the elements ('point-to-point').

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

```

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

Position to Transaction ID . . . . . ORDERSINB_ 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  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
--- 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  INVOU     Tutorial Invoice Outbound 4010  EDI  P
--- 810S41EDI    S  INVOUTPEDI Outbound Invoice 004010 (demo)  EDI  P
--- 810S41TPC1  S  INVOUTP    OUTBOUND INVOICE 004010 (demo) EDI  P
More...

Parameters or command
==>
F1=Help F6=More/Less F12=Cancel F15=Sort F23=More Options F24=More Keys
    
```

2. Enter **11** (Elem Map) in the Option field next to the BGM 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 . . . . . ORDERSINB
Send or Receive. . . . . R
Transaction Set. . . . . ORDERS
Standard . . . . . D 94B

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      Loop      Exit      F
11  100 H BGM M      1          BEGINNING OF MESSAGE    -----
--- 200 H DTM M      35         DATE/TIME/PERIOD        -----
--- 600 H PTX C      5          FREE TEXT                -----
--- 900 H NAD C      1 0020     20 NAME AND ADDRESS      -----
--- 6800 D LIN C     1 0500    200000 LINE ITEM            -----
--- 6900 D PIA C     25 0500     ADDITIONAL PRODUCT ID   -----
More...

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

Step 7: Map the BGM Segment

Application fields can be entered in the Mapping Target field or selected from a list of available fields. The panels below show 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 (Document/ Message Number) and press **Enter**. A window from which to select values is displayed.

```

EDIX514                      Element Mapping Inbound                      04/30/08
Tran ID. . . . . ORDERSINB S/R. . . . . R
Seg ID. . . . . BGM BEGINNING OF MESSAGE
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
Opt Target Field Table ID Ele Sub X M T Description Ele Ele C
No. Ele M C P Seq ID R
---
1 1 Q ID DOCUMENT/MESSAGE NAME, 10 1001
2 2 O ID CODE LIST QUALIFIER 20 1131
3 3 O ID CODE LIST RESPONSIBLE 30 3055
4 4 Q AN DOCUMENT/MESSAGE NAME 40 1000
1 2 C AN DOCUMENT/MESSAGE NUMBE 50 1004
3 3 C ID MESSAGE FUNCTION, CODE 60 1225
4 4 C ID RESPONSE TYPE, CODED 70 4343
    
```

Bottom

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.PONUM and press **Enter** to populate the Mapping Target field.

```

Description. . . . . DOCUMENT/MESSAGE NUMBE
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
POHEADER 20 F010.TYPCODE AN 2 M TYPE CODE
POHEADER 25 F010.TOTAMT S2 9 M TOT AMT
More... e C
F1=Help F3=Exit F12=Cancel 1 D R
1 1
5
0
1 2 C AN DOCUMENT/MESSAGE NUMBE 50 1004
3 3 C ID MESSAGE FUNCTION, CODE 60 1225
4 4 C ID RESPONSE TYPE, CODED 70 4343
    
```

Bottom

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

Step 8: Perform Extended Mapping for the PO Number

Next, you will complete the extended mapping for the PO Number.

1. Enter **\11** next to element 2 and press **Enter**.

The Work with Extended Mapping panel is displayed.

```

EDIX514                      Element Mapping Inbound                      04/30/08
Tran ID . . . . . ORDERSINB S/R. . . . . R
Seg ID . . . . . BGM BEGINNING OF MESSAGE
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
Opt Target Field Table ID No. Ele M C P Description Ele Ele C
Seq ID R
--- --- --- --- --- --- --- --- --- --- --- ---
1 1 Q ID DOCUMENT/MESSAGE NAME, 10 1001
2 2 Q ID CODE LIST QUALIFIER 20 1131
3 3 Q ID CODE LIST RESPONSIBLE 30 3055
4 4 Q AN DOCUMENT/MESSAGE NAME 40 1000
11 F010.PONUM 2 C AN DOCUMENT/MESSAGE NUMBE 50 1004
3 C ID MESSAGE FUNCTION, CODE 60 1225
4 C ID RESPONSE TYPE, CODED 70 4343
    
```

Bottom

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

2. Enter **2** in the Option field next to element sequence 50 on the Work with Extended Mapping panel and press **Enter**.

The Extended Inbound Mapping panel is displayed.

```

EDIX506                      Work with Extended Mapping                      EDI 04/30/08
FMT01                          pgmlib: G3X5PGM dtalib: G3X5DTA                      12:00:00
Position to Segment Seq. . . . . 100 50 For ORDERSINB R
Type option (and Information), press Enter.
1=Create 2=Revise 3=Copy 4=Delete 5=View
Opt Seg Ele Map Constant/Field A Seg Description
Seq Seq Seq C ID
--- --- --- --- --- --- ---
2 100 50 0 F010.PONUM H BGM DOCUMENT/MESSAGE NUMBE
100 60 0 H BGM MESSAGE FUNCTION, CODED
100 70 0 H BGM RESPONSE TYPE, CODED
200 10 0 H DTM DATE/TIME/PERIOD QUALIFIE
200 20 0 F010.PODATE H DTM DATE/TIME/PERIOD
200 30 0 H DTM DATE/TIME/PERIOD FORMAT Q
600 10 0 H FTX TEXT SUBJECT QUALIFIER
600 20 0 H FTX TEXT FUNCTION, CODED
600 30 0 H FTX FREE TEXT, CODED
Parameters or command
==>
F1=Help F3=Exit F12=Cancel F15=Sort F24=More Keys
    
```

3. 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.
4. Press **F10** (Update) to update this element and return to the Work with Extended Mapping panel.
5. 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 . . . . . BGM Transaction ID . . . ORDERSINB
Area Code . . . . . H Send or Receive. . . R
Element Number . . . . . 50 Element ID . . . . 1004
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
Table ID . . . . . Round Element. . . #DEC
Add to Hash Total #. . . . . Type of Table. . .
Save in Constant # . . . . . 01 Length (Minimum) . 1
Add 1 to Accumulator # . . . . . Length (Maximum) . 35
User Exit Routine. . . . . Related. . . . . N
Mandatory Code . . . . . C Type . . . . . AN
Element Group. . . . . Type . . . . .
Segment Description. . . . . BEGINNING OF MESSAGE (Po Nbr)
Element Description. . . . . DOCUMENT/MESSAGE NUMBE
F1=Help F2=More/Less F12=Cancel F14=Notes F19=Appl F24=More Keys
    
```

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

Step 9: Map the DTM Segment Using Extended Mapping

1. Enter **11** next to element sequence 20 (DATE/TIME/PERIOD) and press **Enter**.

The Work with Extended Mapping panel is displayed.

```

EDIX514                      Element Mapping Inbound                      04/30/08
Tran ID. . . . . ORDERSINB S/R. . . . . R
Seg ID. . . . . DTM DATE/TIME/PERIOD
Seg Seq. . . . . 200 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
Opt Target Field Table ID Ele Sub X M T Description Ele Ele C
No. Ele M C F Seq ID R
11 1 M ID DATE/TIME/PERIOD QUALI 10 2005
2 C O AN DATE/TIME/PERIOD 20 2380
3 O ID DATE/TIME/PERIOD FORMA 30 2379

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

2. Enter **2** in the Option field next to element sequence 20 on the Work with Extended Mapping panel and press **Enter**.

The Extended Inbound Mapping panel is displayed.

```

EDIX506                      Work with Extended Mapping                      EDI 04/30/08
FMT01                      pgmlib: G3X5PGM dtalib: G3X5DTA                      12:00:00
Position to Segment Seq. . . . . 200 20 For ORDERSINB R
Type option (and Information), press Enter.
1=Create 2=Revise 3=Copy 4=Delete 5=View
Seg Ele A Seg
Opt Seg Seq Map Constant/Field C ID Description
2 200 20 0 H DTM DATE/TIME/PERIOD
200 30 0 H DTM DATE/TIME/PERIOD FORMAT Q
600 10 0 H FTX TEXT SUBJECT QUALIFIER
600 20 0 H FTX TEXT FUNCTION, CODED
600 30 0 H FTX FREE TEXT, CODED
600 40 0 H FTX CODE LIST QUALIFIER
600 50 0 H FTX CODE LIST RESPONSIBLE AGE
600 60 0 H FTX FREE TEXT
600 70 0 H FTX FREE TEXT
More...
Parameters or command
==>
F1=Help F3=Exit F12=Cancel F15=Sort F24=More Keys
    
```

3. With the cursor in the Application Target field, press **F19** (Appl).
4. Enter **1** (Select) in the Option field next to F010.PODATE.
5. Press **Enter** to populate the Application Target field.

Optionally, you can just enter the field name.

```

EDIX513                      Extended Inbound Mapping                      EDI 04/30/08
FMT01                      12:00:00
Segment ID. . . . . DTM Transaction ID . . . ORDERSINB
Area Code. . . . . H Send or Receive . . . R
Element Number . . . . . 20 Element ID . . . . . 2380
Segment Sequence . . . . . 200 Mapping Number . . . 0
Mapping of Data Element
Application Target Field . . . . . F010.PODATE
Target Description. . . . . DATE/TIME/PERIOD
If 1=Select
A Rec Type No. Field Name Ty Len M Description
Table POHEADER 5 F010.CUSTNUM AN 8 M CUSTOMER NUMBER
Add t 1 POHEADER 10 F010.PODATE CY 8 M PO DATE YYMD
Save POHEADER 15 F010.PONUM AN 10 M PO NUMBER
Add l POHEADER 20 F010.TYPCODE AN 2 M TYPE CODE
User Manda F1=Help F3=Exit F12=Cancel
Eleme
Segme
Eleme
F1=Help F2=More/Less F4=Prompt F10=Update F19=Appl F24=More Keys
    
```

6. Enter **DTM/10/200** in the Value field on the If condition line.
7. Use the **Tab** key to move the cursor to the Op field and enter **EQ** in the Op field.
8. The cursor automatically advances to the second Value field. Enter **9** (enclosed in single quotes) in this field. This checks to see which date is coming in the DTM segment in order to map to the Purchase Order Date field.
9. Enter **02** in the “Save in Constant #” field. This enables you to save the purchase order date for repeated mapping.
10. Press **F10** (Update) to update this element and return to the Work with Extended Mapping panel.
11. Press **F12** (Cancel) to return to the Element Mapping Inbound panel.
12. Press **F17** (Next Rcd) to update the panel and advance to the next segment (FTX). We will not be mapping anything from the FTX segment.
13. Press **F17** (Next Rcd) to advance to the next segment (NAD).

EDIX513		Extended Inbound Mapping		EDI 04/30/08	
FMT01				12:00:00	ORDERSINB
Segment ID	DTM	Transaction ID . . .			
Area Code	H	Send or Receive . . .		R	
Element Number	20	Element ID		2380	
Segment Sequence	200	Mapping Number . . .		0	
Mapping of Data Element					
Application Target Field	F010.PODATE				
Target Field =					
Or	Value	Op Value		Op Value	
Target Field =					
If	DTM/010/00200	EQ	'9'		
And/Or					
Table ID		Round Element . . .		#DEC	
Add to Hash Total #		Type of Table . . .			
Save in Constant #	02	Length (Minimum) . .		1	
Add 1 to Accumulator #		Length (Maximum) . .		35	
User Exit Routine		Group Req Cd		M	
Mandatory Code	O	Related		N	
Element Group	C	Type		AN	
Segment Description	DATE/TIME/PERIOD			(Po Date)	
Element Description	DATE/TIME/PERIOD				
F1=Help F2=More/Less F12=Cancel F14=Notes F19=Appl F24=More Keys					

Step 10: Map the NAD 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 NAD (Name and Address) that are labeled as Ship To information. In the EDI data, these are marked with the code ST.

1. In the Cond field, enter **NAD/10/900**.
2. Use the **Tab** key to move the cursor to the Op field and enter **EQ** in the Op field.
3. The cursor automatically advances to the Field/Constant field. Press **F4** (Prompt).
4. A pop-up window is displayed. Enter **ST** in the Position To field and press **Enter** to advance to the appropriate part of the list.

```

EDIX514                      Element Mapping Inbound                      3/24/96
Tran ID . . . . . ORDERSINB S/R. . . . . R
Seg ID . . . . . NAD NAME AND ADDRESS
Seg Seq . . . . . 900 Mapping Number . . . . . 0
Area Code . . . . . H Field Op Field/Constant
Cond . . . . . NAD/10/900 EQ 'ST'
Type option, press Enter.
1=Appl Fields 11=Ext Map 12=Subfield 13=Codes
Mapping
Opt Target Field Table ID No. Ele M C P Description Ele Ele C
Seq ID R
---
1 C M ID PARTY QUALIFIER 10 3035
2 1 C M AN PARTY ID IDENTIFICATIO 20 3039
2 C O ID CODE LIST QUALIFIER 30 1131
3 C O ID CODE LIST RESPONSIBLE 40 3055
3 1 C M AN NAME AND ADDRESS LINE 50 3124
2 C O AN NAME AND ADDRESS LINE 60 3124
3 C O AN NAME AND ADDRESS LINE 70 3124
4 C O AN NAME AND ADDRESS LINE 80 3124
5 C O AN NAME AND ADDRESS LINE 90 3124
4 1 C M AN PARTY NAME 100 3036
2 C O AN PARTY NAME 110 3036
More...
F1=Help F4=Prompt F10=Update F12=Cancel F19=Apply Global F24=More Keys
    
```

5. Enter **1** in the field next to the code **ST** and press **Enter** to select it and populate the Field/Constant field. You now have a condition that reads: If element 10 (Entity Identifier Code) is equal to 'ST,' use the data; otherwise, ignore it.

 **NOTE**

If you prefer, you can also enter codes (with single quotes) directly into the Field/Constant field without prompting.

6. Press **F19** (Apply Global) to apply the conditions to all the elements in the NAD segment.
7. On the pop-up window that is displayed, leave the default map number **0** and press **Enter**.

This applies the If condition to all the elements in the segment and flags the XM column with a 'C' for conditions.

```

EDIX514                      Element Mapping Inbound                      04/30/08
Tran ID . . . . . ORDERSINB S/R. . . . . R
Seg ID . . . . . NAD NAME AND ADDRESS
Seg Seq . . . . . 900 Mapping Number . . . . . 0
Area Code . . . . . H Field Op Field/Constant
Cond . . . . . NAD/10/900 EQ 'ST'
Type option, press Enter.
1=Appl Fields 11=Ext Map 12=Subfield 13=Codes
Mapping
Opt Target Field Table ID No. Ele M C P Description Ele Ele C
Seq ID R
---
1 C M ID PARTY QUALIFIER 10 3035
39
31
55
24
24
24
24
5 C O AN NAME AND ADDRESS LINE 90 3124
4 1 C M AN PARTY NAME 100 3036
2 C O AN PARTY NAME 110 3036
More...
F1=Help F4=Prompt F10=Update F12=Cancel F19=Apply Global F24=More Keys
    
```

Apply to Map

0

F3=Exit F12=Cancel

- Enter **F010.SHIPTONAME** in the Mapping Target field for element 2, sub-element 1 (Party ID Identification) or use option 1 to select the field from the list.

```

EDIX514                      Element Mapping Inbound                      04/30/08
Tran ID. . . . . ORDERSINB S/R. . . . . R
Seg ID . . . . . NAD NAME AND ADDRESS
Seg Seq. . . . . 900 Mapping Number . . . 0
Area Code. . . . . H Field Op Field/Constant
Cond . . . . . NAD/10/900 EQ 'ST'
Type option, press Enter.
1=Appl Fields 11=Ext Map 12=Subfield 13=Codes
Mapping
Opt Target Field Table ID No. Ele M C P Description Ele Ele C
Seq ID R
-----
1 C M ID PARTY QUALIFIER 10 3035
2 1 C M AN PARTY ID IDENTIFICATIO 20 3039
2 C O ID CODE LIST QUALIFIER 30 1131
3 C O ID CODE LIST RESPONSIBLE 40 3055
1 C M AN NAME AND ADDRESS LINE 50 3124
2 C O AN NAME AND ADDRESS LINE 60 3124
3 C O AN NAME AND ADDRESS LINE 70 3124
4 C O AN NAME AND ADDRESS LINE 80 3124
5 C O AN NAME AND ADDRESS LINE 90 3124
4 1 C M AN PARTY NAME 100 3036
2 C O AN PARTY NAME 110 3036
More...
F1=Help F4=Prompt F10=Update F12=Cancel F19=Apply Global F24=More Keys
    
```

- Page down so that element sequence 160 is shown on the panel.

- Enter **F010.SHIPTOADD1** in the Mapping Target field for element sequence 160 (Street and Number/P.O.) or use option 1 to select the field from the list.

```

EDIX514                      Element Mapping Inbound                      3/24/96
Tran ID. . . . . ORDERSINB S/R. . . . . R
Seg ID . . . . . NAD NAME AND ADDRESS
Seg Seq. . . . . 900 Mapping Number . . . 0
Area Code. . . . . H Field Op Field/Constant
Cond . . . . . NAD/10/900 EQ 'ST'
Type option, press Enter.
1=Appl Fields 11=Ext Map 12=Subfield 13=Codes
Mapping
Opt Target Field Table ID No. Ele M C P Description Ele Ele C
Seq ID R
-----
3 C O AN PARTY NAME 120 3036
4 C O AN PARTY NAME 130 3036
5 C O AN PARTY NAME 140 3036
6 C O ID PARTY NAME FORMAT, COD 150 3045
1 C M AN STREET AND NUMBER/P.O. 160 3042
F010.SHIPTOADD1 2 C O AN STREET AND NUMBER/P.O. 170 3042
F010.SHIPTOADD2 3 C O AN STREET AND NUMBER/P.O. 180 3042
F010.SHIPTOCITY 6 C C AN CITY NAME 190 3164
F010.SHIPTOST 7 C C AN COUNTRY SUB-ENTITY IDE 200 3229
F010.SHIPTOZIP 8 C C AN POSTCODE IDENTIFICATIO 210 3251
9 C C ID COUNTRY, CODED 220 3207
Bottom
F1=Help F4=Prompt F10=Update F12=Cancel F19=Apply Global F24=More Keys
    
```

- Enter **F010.SHIPTOADD2** in the Mapping Target field for element sequence 170 (Street and Number/P.O.).
- Enter **F010.SHIPTOCITY** in the Mapping Target field for element sequence 190 (City Name).

- Enter **F010.SHIPTOST** in the Mapping Target field for element sequence 200 (Country Sub-Entity Identification).
- Enter **F010.SHIPTOZIP** in the Mapping Target field for element sequence 210 (Postcode).
- Press **F17** (Next Rcd) to update and advance to the LIN segment.

Step 11: Map the LIN Segment and Apply Conditions

For this example, the LIN segment requires mapping for the Item Number.

1. Enter **1** in the Option field next to element 3, sub-element 1 (Item Number) and press **Enter**.

A window that contains values for selection is displayed.

```

EDIX514          Element Mapping Inbound          04/30/08
Tran ID. . . . . ORDERSINB S/R. . . . . R
Seg ID. . . . . LIN LINE ITEM
Seg Seq. . . . . 6800 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             1             1 C NO LINE ITEM NUMBER          10 1082
2             2             C ID ACTION REQUEST/NOTIFIC    20 1229
3             3             1 C AN ITEM NUMBER              30 7140
4             4             O ID ITEM NUMBER TYPE, CODE    40 7143
5             5             O ID CODE LIST QUALIFIER       50 1131
6             6             O ID CODE LIST RESPONSIBLE     60 3055
7             7             C ID SUB-LINE INDICATOR, CO    70 5495
8             8             C NO CONFIGURATION LEVEL      80 1222
9             9             C ID CONFIGURATION, CODED     90 7083
    
```

Bottom

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

2. Enter **1 (Select)** in the Option field next to F020.ITEMNUM and press **Enter** to populate the Mapping Target field.

```

EDIX514          Element Mapping Inbound          04/30/08
Tran ID. . . . . ORDERSINB S/R. . . . . R
Seg ID. . . . . LIN LINE ITEM
Seg Seq. . . . . 6800 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-Select
1             1             1 C NO LINE ITEM NUMBER          10 1082
2             2             C ID ACTION REQUEST/NOTIFIC    20 1229
3             3             1 C AN ITEM NUMBER              30 7140
4             4             O ID ITEM NUMBER TYPE, CODE    40 7143
5             5             O ID CODE LIST QUALIFIER       50 1131
6             6             O ID CODE LIST RESPONSIBLE     60 3055
7             7             C ID SUB-LINE INDICATOR, CO    70 5495
8             8             C NO CONFIGURATION LEVEL      80 1222
9             9             C ID CONFIGURATION, CODED     90 7083
    
```

```

Description. . . . . ITEM NUMBER
1-Select
Opt Rec Type  No  Field Name      Typ Len Cde Description
---          ---  ---
PODETAILL    5  F020.CUSTNUM  AN  8  M  CUSTOMER NUMBER
PODETAILL   10  F020.PODATE   CY  8  M  PO DATE
1 PODETAILL   15  F020.ITEMNUM  AN  10 M  PRODUCT CODE
PODETAILL   20  F020.UOM     AN  7  M  UNIT OF MEASURE
PODETAILL   25  F020.UNITPR  P2  2  M  UNIT PRICE
    
```

More...

F1=Help F3=Exit F12=Cancel

F1=

3. Enter **11** in the Option field for element sequence 30 and press **Enter**.

```

EDIX514          Element Mapping Inbound          04/30/08
Tran ID. . . . . ORDERSINB S/R. . . . . R
Seg ID. . . . . LIN LINE ITEM
Seg Seq. . . . . 6800 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             1             1 C NO LINE ITEM NUMBER          10 1082
2             2             C ID ACTION REQUEST/NOTIFIC    20 1229
11            3             1 C AN ITEM NUMBER              30 7140
4             4             O ID ITEM NUMBER TYPE, CODE    40 7143
5             5             O ID CODE LIST QUALIFIER       50 1131
6             6             O ID CODE LIST RESPONSIBLE     60 3055
7             7             C ID SUB-LINE INDICATOR, CO    70 5495
8             8             C NO CONFIGURATION LEVEL      80 1222
9             9             C ID CONFIGURATION, CODED     90 7083
    
```

Bottom

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

- Enter **2** in the Option field next to Seq 30 and press **Enter**.

```

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

Position to Segment Seq. . . . . 6800 30 For ORDERSINB 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    6800    30     0  F020.ITEMNUM      D  LIN     ITEM NUMBER
---  ---    ---    ---
    6800    40     0                      D  LIN     ITEM NUMBER TYPE, CODED
---  ---    ---    ---
    6800    50     0                      D  LIN     CODE LIST QUALIFIER
---  ---    ---    ---
    6800    60     0                      D  LIN     CODE LIST RESPONSIBLE AGE
---  ---    ---    ---
    6800    70     0                      D  LIN     SUB-LINE INDICATOR, CODED
---  ---    ---    ---
    6800    80     0                      D  LIN     CONFIGURATION LEVEL
---  ---    ---    ---
    6800    90     0                      D  LIN     CONFIGURATION, CODED
---  ---    ---    ---
    6900    10    0                      D  PIA     PRODUCT ID FUNCTION QUALI
---  ---    ---    ---
    6900    20     0                      D  PIA     ITEM NUMBER
More...

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

- Enter **LIN/40/6800** in the Value field on the If Condition line.
- Use the **Tab** key to move the cursor to the Op field and enter **EQ** in the Op field.
- The cursor automatically advances to the second Value field. Enter **UP** (enclosed in single quotes) in this field. (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          Transaction ID . . . . . ORDERSINB
                Area Code . . . . . D           Send or Receive . . . . . R
                Element Number . . . . . 30      Element ID . . . . . 7140
                Segment Sequence . . . . . 6800  Mapping Number . . . . . 0

                Mapping of Data Element
Application Target Field . . . . . F020.ITEMNUM
Target Field = _____
or
Target Field = Value      Op Value      Op Value
If      LIN/30/6800      EQ 'UP'
And/Or O  LIN/30/6800      EQ 'PI'      Round Element. . . . . #DEC
Table ID . . . . .      Type of Table. . . . .
Add to Hash Total #. . . . .      Length (Minimum) . . . . . 1
Save in Constant #. . . . .      Length (Maximum) . . . . . 35
Add 1 to Accumulator #. . . . .      Group Req Cd . . . . . O
User Exit Routine. . . . .      Related. . . . . N
Mandatory Code . . . . . O      Type . . . . . AN
Element Group. . . . . C      Type . . . . . G
Segment Description. . . . . LINE ITEM      (UPC #)
Element Description. . . . . ITEM NUMBER

F1=Help  F2=More/Less  F12=Cancel  F14=Notes  F19=Appl  F24=More Keys
    
```

- Use the **Tab** key to move the cursor to the And/Or line and enter **O** in the And/Or field to create an 'OR' condition.
- In the Value field, enter **LIN/40/6800**.
- Use the **Tab** key to move the cursor to the Op field and enter **EQ** in this field.
- In the second Value field, enter **'PI'** (enclosed in single quotes).

This mapping enables you to map to the Item Number field, if the EDI qualifier is either 'UP' or 'PI.' Many times, partners use different codes that mean the same thing to your application.

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

13. On the Work with Extended Mapping panel, enter **3** in the Option field for element sequence 30 and press **Enter**.

```

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

Position to Segment Seq. . . . . 6800 30 For ORDERSINB R

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

Opt  Seg  Ele  Map Constant/Field  A  Seg  Description
Seq  Seq  Seq
---  ---  ---  ---  ---  ---  ---
3    6800  30    0 F020.ITEMNUM          D  LIN  ITEM NUMBER
---  ---  ---  ---  ---  ---  ---
    6800  40    0                               D  LIN  ITEM NUMBER TYPE, CODED
    6800  50    0                               D  LIN  CODE LIST QUALIFIER
    6800  60    0                               D  LIN  CODE LIST RESPONSIBLE AGE
    6800  70    0                               D  LIN  SUB-LINE INDICATOR, CODED
    6800  80    0                               D  LIN  CONFIGURATION LEVEL
    6800  90    0                               D  LIN  CONFIGURATION, CODED
    6900  10   0                               D  PIA  PRODUCT ID FUNCTION QUALI
    6900  20    0                               D  PIA  ITEM NUMBER
---  ---  ---  ---  ---  ---  ---
More...

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

14. 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. . . . . 6800 30 For ORDERSINB R

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

Opt  Seg  Ele  Map Constant/Field  A  Seg  Description
Seq  Seq  Seq
3    6800  30    0 F020.ITEMNUM          D  LIN  ITEM NUMBER

Copy To
1
F3=Exit F12=Cancel
GE
ED

    6900  10   0                               D  PIA  PRODUCT ID FUNCTION QUALI
---  ---  ---  ---  ---  ---  ---
More...

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

15. Enter **2** in the Option field for element sequence 30, 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. . . . . 6800 30 For ORDERSINB R

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

Opt  Seg  Ele  Map Constant/Field  A  Seg  Description
Seq  Seq  Seq
---  ---  ---  ---  ---  ---  ---
    6800  30    0 F020.ITEMNUM          D  LIN  ITEM NUMBER
2    6800  30    1 F020.ITEMNUM          D  LIN  ITEM NUMBER
    6800  40    0                               D  LIN  ITEM NUMBER TYPE, CODED
    6800  50    0                               D  LIN  CODE LIST QUALIFIER
    6800  60    0                               D  LIN  CODE LIST RESPONSIBLE AGE
    6800  70    0                               D  LIN  SUB-LINE INDICATOR, CODED
    6800  80    0                               D  LIN  CONFIGURATION LEVEL
    6800  90    0                               D  LIN  CONFIGURATION, CODED
    6900  10   0                               D  PIA  PRODUCT ID FUNCTION QUALI
---  ---  ---  ---  ---  ---  ---
More...

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

16. On the Extended Inbound Mapping panel, use the **Tab** key to move the cursor to the second Value field on the If line. Change this field to **CB**. (Optionally, you can press **F20** (Codes) on the Value field to choose from a list of available codes.)

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

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

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

20. Press **F17** (Next Rcd) to advance to the next segment (PIA). We will not be mapping the PIA segment.

21. Press **F17** to advance to the IMD segment.

EDIX513		Extended Inbound Mapping		EDI 04/30/08	
FMT01				12:00:00	
Segment ID	LIN	Transaction ID	ORDERSINB		
Area Code	D	Send or Receive	R		
Element Number	30	Element ID	7140		
Segment Sequence	6800	Mapping Number	1		
Mapping of Data Element					
Application Target Field	F020.ITEMNUM__				
Target Field =	Value	Op Value	Op Value		
Or					
Target Field =	LIN/30/6800	EQ	'CB'		
If					
And/Or			Round Element	#DEC	
Table ID		Type of Table			
Add to Hash Total #		Length (Minimum)	1		
Save in Constant #		Length (Maximum)	35		
Add 1 to Accumulator #		Group Req Cd	O		
User Exit Routine		Related	N		
Mandatory Code	O	Type	AN		
Element Group	C	Type	G		
Segment Description	LINE ITEM (UPC #)				
Element Description	ITEM NUMBER				
F1=Help F2=More/Less F12=Cancel F14=Notes F19=Appl F24=More Keys					

Step 12: Map the IMD Segment

1. Enter **1** in the Option field for element sequence 60 and press **Enter**.

```

EDIX514          Element Mapping Inbound          04/30/08
Tran ID. . . . . ORDERSINB  S/R. . . . . R
Seg ID. . . . . IMD ITEM DESCRIPTION
Seg Seq. . . . . 7000      Mapping Number . . . 0
Area Code. . . . . D      Field      Op Field/Constant
Cond . . . . .
Type option, press Enter.
l=Appl Fields  l1=Ext Map  l2=Subfield  l3=Codes
Mapping
Ele Sub X M T
Opt Target Field  Table ID  No. Ele M C P Description  Seq ID R
---
1  C ID ITEM DESCRIPTION TYPE,  10 7077
2  C ID ITEM CHARACTERISTIC, C  20 7081
3  1  O AN ITEM DESCRIPTION IDENT  30 7009
2  O ID CODE LIST QUALIFIER  40 1131
3  O ID CODE LIST RESPONSIBLE  50 3055
4  O AN ITEM DESCRIPTION  60 7008
1  5  O AN ITEM DESCRIPTION  70 7008
4  C ID SURFACE/LAYER INDICATO  80 7383
    
```

Bottom

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

2. Use **Page Down** to locate **F020.DESC** from the selections in the pop-up window that is displayed.
3. Enter **1** in the Option field next to F020.DESC and press **Enter** to select it and populate the Mapping Target field.
4. Press **F17** (Next Rcd) to update the record and advance to the QTY segment.

```

EDIX514          Element Mapping Inbound          04/30/08
Description. . . . . ITEM DESCRIPTION
l=Select
Opt Rec Type  No  Field Name  Typ Len Cde Description
---
PODETAILL  30  F020.PONUM  AN  10  M  PO NUMBER
PODETAILL  35  F020.QTYORD  PO  2  M  QUANTITY ORDERED
1  PODETAIL  40  F020.DESC  AN  35  M  DESCRIPTION
    
```

e C
D R
Bottom 7
1
9
1
5

```

4  O AN ITEM DESCRIPTION  60 7008
5  O AN ITEM DESCRIPTION  70 7008
4  C ID SURFACE/LAYER INDICATO  80 7383
    
```

Bottom

F1=Help F3=Exit F12=Cancel F4=Prompt F10=Update F12=Cancel F19=Apply Global F24=More Keys

Step 13: Map the QTY Segment

1. Enter **F020.QTYORD** in the Mapping Target field for element sequence 20 or use option **1** to select the field from the list.
2. Enter **F020.UOM** in the Mapping Target field for element sequence 30 or use option **1** to select the field.

```

EDIX514          Element Mapping Inbound          04/30/08
Tran ID. . . . . ORDERSINB S/R. . . . . R
Seg ID . . . . . QTY QUANTITY
Seg Seq. . . . . 7200 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
--- F020.QTYORD --- 1 1 M ID QUANTITY QUALIFIER 10 6063
--- F020.UOM --- 2 M R QUANTITY 20 6060
--- 3 Q ID MEASURE UNIT QUALIFIER 30 6411
    
```

Bottom

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

3. **Tab** to the Table ID field for element sequence 30 and press **F4** (Prompt) to see a list of tables.

```

EDIX514          Element Mapping Inbound          04/30/08
Tran ID. . . . . ORDERSINB S/R. . . . . R
Seg ID . . . . . QTY QUANTITY
Seg Seq. . . . . 7200 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 1 M ID QUANTITY QUALIFIER 10 6063
    
```

```

Position to Table ID . . . . .
1=Select
Table ID Type Description Last Update Date User
UNITMEAS1 C Internal t EDI UOM (tutorial 1) 02-06-02 EDI
UNITMEAS2 C Internal to EDI unit of measure 02-07-02 EDI
1 UOM6411 C Unit of Measure Edifact(elem# 6411) 04-08-96 DSH
More...
    
```

Bottom

F1=Help F3=Exit F12=Cancel F15=Sort

4. Enter **1** next to UOM6411 and press **Enter** to select the table and map it. Optionally, you can just enter the Table ID.
5. Press **F17** (Next Rcd) to update the record and advance to the next segment (DTM).
6. Press **F17** to advance to the PRI segment.

```

EDIX514          Element Mapping Inbound          04/30/08
Tran ID. . . . . ORDERSINB S/R. . . . . R
Seg ID . . . . . QTY QUANTITY
Seg Seq. . . . . 7200 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
--- F020.QTYORD --- 1 1 M ID QUANTITY QUALIFIER 10 6063
--- F020.UOM --- UOM6411 3 Q ID MEASURE UNIT QUALIFIER 30 6411
    
```

Bottom

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

Step 14: Map the PRI Segment

1. Enter **1** in the Option field for element 1, sub-element 2, and press **Enter**.

```

EDIX514                      Element Mapping Inbound                      04/30/08
Tran ID . . . . . ORDERSINB  S/R. . . . . R
Seg ID . . . . . PRI PRICE DETAILS
Seg Seq. . . . . 8700      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
Opt Target Field  Table ID  Ele Sub X M T  Description  Ele  Ele C
Seq  ID R
1  _____  _____  1  1  M ID PRICE QUALIFIER  10  5125
_____  _____  2  O R PRICE  20  5118
_____  _____  3  O ID PRICE TYPE, CODED  30  5375
_____  _____  4  O ID PRICE TYPE QUALIFIER  40  5387
_____  _____  5  O R UNIT PRICE BASIS  50  5284
_____  _____  6  O ID MEASURE UNIT QUALIFIER  60  6411
_____  _____  2  C ID SUB-LINE PRICE CHANGE,  70  5213
    
```

Bottom

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

2. Enter **1 (Select)** in the Option field next to F020.UNITPR and press **Enter** to populate the Mapping Target field.

```

EDIX514                      Element Mapping Inbound                      04/30/08
Tran ID . . . . . ORDERSINB  S/R. . . . . R
Seg ID . . . . . PRI PRICE DETAILS
Seg Seq. . . . . 8700      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
Opt Target Field  Table ID  Ele Sub X M T  Description  Ele  Ele C
Seq  ID R
1  _____  _____  1  1  M ID PRICE QUALIFIER  10  5125
_____  _____  2  O R PRICE  20  5118
_____  _____  3  O ID PRICE TYPE, CODED  30  5375
_____  _____  4  O ID PRICE TYPE QUALIFIER  40  5387
_____  _____  5  O R UNIT PRICE BASIS  50  5284
_____  _____  6  O ID MEASURE UNIT QUALIFIER  60  6411
_____  _____  2  C ID SUB-LINE PRICE CHANGE,  70  5213
    
```

```

Description . . . . . PRICE
1=Select
Opt Rec Type  No  Field Name  Typ Len Cde Description
PODETAILL    5  F020.CUSTNUM  AN  8  M  CUSTOMER NUMBER
PODETAILL   10  F020.PODATE  CY  8  M  PO DATE
PODETAILL   15  F020.ITEMNUM  AN 10  M  PRODUCT CODE
PODETAILL   20  F020.UOM  AN  7  M  UNIT OF MEASURE
1  PODETAIL   25  F020.UNITPR  P2  2  M  UNIT PRICE
More...
F1=Help F3=Exit F12=Cancel
    
```

F1=

3. Press **F10 (Update)** to update and return to the Segments screen. Our application definition does not have a summary record to map any of the summary information received.
4. Press **F12 (Cancel)** to return to the Work with Transaction Mapping panel.

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. In **Step 13: Map the QTY Segment**, you used an existing table called UOM6411 that contains the codes for units of measurement for your application and their corresponding EDI codes. In this step, you will view the contents of the UOM6411 table.

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

The Work with Tables panel is displayed.

```

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

Position to Transaction ID . . . . . ORDERSINB 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
13
--- 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
--- 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
--- 810S41TFC1 S   INVOUTP     OUTBOUND INVOICE 004010 (demo)  EDI   P
More...

Parameters or command
===>
F1=Help  F6=More/Less  F12=Cancel  F15=Sort  F23=More Options  F24=More Keys

```

2. Enter **12** in the Option field next to UOM6411 and press **Enter**.

The Code Translation panel is displayed for Table UOM6411.

```

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
--- UNITMEAS   C   Internal to EDI unit of measure
--- UNITMEAS1  C   Internal t EDI UOM (tutorial 1)
--- UNITMEAS2  C   Internal to EDI unit of measure
12 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 . . . . . UOM6411
Position to STD Code

Type option, press Enter.
4=Delete

Opt Standard   Application Standard Code Description
  Code         Code
--- DZN         DOZN         DOZEN
--- FOT         FOOT         FOOT
--- FOT 1       FEET         FEET
--- GRM         GRAM         GRAM
--- INH         INCH         INCH
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.

In this Chapter

In this chapter, you will complete the following tasks:

- 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

- To access the Processing subsystem, select option **10** (Processing menu) on the GENMAIN menu and press **Enter**. Alternatively, 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

Selection or command
====> 10

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

- To run inbound processing (PRCTRIN), enter **2** (Process Inbound Files) on the command line and press **Enter**.

The Process Transactions Inbound (PRCTRIN) panel is displayed.

```

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

  1. Process Outbound Files    (PRCTRNOUT)
  2. Process Inbound Files    (PRCTRIN)
  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        (RELCHARS)

Selection or command
====> 2

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

Step 2: Perform Inbound Processing

- Enter **CN3BSC** in the Comm Profile ID field.
- Enter the name of the application definition you created earlier (**ORDERSINB**) in the Application ID field and press **Enter** to submit the processing to batch.
- Press **F12** (Cancel) to return to the GENMAIN menu.

```

                          Process Transactions Inbound (PRCTRIN)
Type choices, press Enter.

Comm Profile ID (Editor) . . . . CN3BSC      *NONE, *ALL, Comm Profile Id
+ for more values
Application ID (Mapper) . . . . ORDERSINB   *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

- 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 and pressing **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
====> 9

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

```

- 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 most recently 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             Date          Time          Name          Number
-- PRCTRNIN      08 Map Err./Edt Info 04/30/08    12:00:00 PRCTRNIN      181139
-- 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
                                           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. When it shows Complete, the job is done. You may have 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             Date          Time          Name          Number
-- PRCTRNIN      08 Map Err./Edt Info 04/30/08    12:00:00 PRCTRNIN      181139
   User EDI      Cmd Name PRCTRNIN   Sts Complete  Msg Seq#      182
-- 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
                                           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             Date          Time          Name          Number
11 PRCTRNIN      08 Map Err./Edt Info 04/30/08    12:00:00 PRCTRNIN      181139
   User EDI      Cmd Name PRCTRNIN   Sts Complete  Msg Seq#      182
-- 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
                                           More...

Parameters or command
====>
F1=Help  F6=More/Less  F12=Cancel  F15=Sort  F23=More Options  F24=More Keys
    
```

- 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 . . . . . PRCTRNIN
Created Date . . . . . 04/30/08          Job Number . . . . . 181139
Created Time . . . . . 12:00:00          User . . . . . EDI
Return Code . . . . . 08                  Msg Seq# . . . . . 182
Type option (and Information), press Enter.
  5=Display 11=Audit 12=SLTAUD 13=EDI Monitor
Message
Opt Program  Cd Appl  Nbr Description
5 EBDI001    04      62 MISSING INDICATED MANDATORY ELEMENT.
-- EBDI001    04      706 MISSING INDICATED MANDATORY GROUP ELEMENT
-- EBDI001    04      209 CANNOT ADD ITEM TO AUDIT FILE. IT DUPLICATES A
-- EBDI001    04      209 CANNOT ADD ITEM TO AUDIT FILE. IT DUPLICATES A
-- EBDI001    04      209 CANNOT ADD ITEM TO AUDIT FILE. IT DUPLICATES A
-- EBDI002    00      EDITOR COMPLETED NORMALLY
-- EBDI041    08 ORDERSINB 685 UNABLE TO OPEN THE EDI INPUT FILE.
-- EDCL031    00 ORDERSINB  EDI split/sub-split file member not found.

Bottom

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

- 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. . . EBDI001          User Return Code . . . . . 04
Message Number . . . . 62              Gentran Return Code. . . . . 04
Description MISSING INDICATED MANDATORY ELEMENT.

Partner Information
Interchange Partner. . TDMTEST          Qual
Interchange Control# . 00000000000005  S/R. . . . . R
Group Partner. . . . . MEDUNS          Qual 01
Group Cntl#. . . . . 00000000000005    Functional Group . !!!DFT
Trans Cntl#. . . . . 00000000000005    Transaction Set. . ORDERS
Doc Info . . . . .
Version. . . . . DEFAULT

Mapper/Editor/Communications Information
Segment/Element ID . . UNH / 002       Record Number. . . . . 2
Additional Info. . . . SUBELEMENT- 4    Member Name. . . . . M10973I
Application Name . . .
Comm Profile ID. . . . CN3BSC          Batch Seq. . . . . 11

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)

1. You can directly access spooled files (reports) for the processing job from the Message Center or from the command line using WRKSPLF. From the Message Center, enter **5** beside the PRCTRIN 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                Date          Time          Job Name          Number
5 PRCTRIN           08 Map Err./Edt Info 04/30/08 12:00:00 PRCTRIN          181139
  User EDI          Cmd Name PRCTRIN   Sts Complete  Msg Seq#         182
--- PRCTRNOUOUT     16 Map Info/Edt Halt 04/30/08 12:00:00 PRCTRNOUOUT     180635
  User EDI          Cmd Name PRCTRNOU  Sts Complete  Msg Seq#         181
--- PRCTRIN         00 Completed Normal 04/30/08 17:08:44 PRCTRIN          173238
  User EDI          Cmd Name PRCTRIN   Sts Complete  Msg Seq#         180
--- PRCTRIN         00 Completed Normal 04/30/08 17:50:49 PRCTRIN          172087
  User EDI          Cmd Name PRCTRIN   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
                                     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: PRCTRIN      User: EDI          Number: 181139

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

Opt File          Device or User Data Status Pages Current Copies
- QPRINT          QPRINT          EBDI001  RDY 1 1 1
- QPRINT          QPRINT          EBDI002  RDY 1 1 1
5 QSYSPRT         QPRINT          EBDI041  RDY 1 1 1

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.

```

Display Spooled File

File . . . . . : QSYSPRT          Page/Line 1/2
Control . . . . . :          Columns 1 - 78
Find . . . . . :

*...+...1...+...2...+...3...+...4...+...5...+...6...+...7...+...
EBDI041 RUN 04/30/08 TIME 9:51:33 MAPPER INBOUND PROCESSING R
ERROR **RECORD** FIELD SEG ELE
NUMBR NBR ID SEQ # ID SEQ INFORMATION ERROR MESSAGE
INTERMEDIATE FILE MEMBER NAME - M10973I001
685 0000000 000000 000 UNABLE TO OPEN THE EDI INPU
PROCESSING ENDED WITH ERRORS - PROCESSING COUNTS BELOW
EDI RECORDS READ ----- 0
EDI RECORDS SUSPENDED ----- 0
APPLICATION RECORDS WRITTEN ---- 0
RETURN-CODE FOR MAPPING ----- 8
MESSAGE CENTER RETURN CODE ----- 8
Sterling Commerce

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 optionally be accessed from the Message Center using option **14** (EDI Monitor).

Step 6: Access the Audit Subsystem

The Audit subsystem enables you to see the documents translated and determine if they have been acknowledged. To access the Audit subsystem:

Enter **8** on the command line and press **Enter**.

The Gentran:Server Audit menu (GENAUD) 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

Selection or command
====> 8

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

```

The first option, Audit Search Utility, is extremely useful for locating specific documents, such as one particular invoice, all documents that have not been acknowledged, or all purchase orders for a specific partner on a given date.

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

```

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 File Network Status File (RTVNET)

Selection or command
====>

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

```

Step 7: Search for a Document

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

The Select Audit Records (SLTAUD) panel is displayed.

In this example, search for an inbound document containing a specific purchase order number.

2. Enter ***IN** in the direction field (for Inbound).
3. Enter **251708** in the Doc Info (for the PO number) and press **Enter**.

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

You can print the results, look at 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.

```

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)

Selection or command                               More...
====> 1
F3=Exit  F4=Prompt  F9=Retrieve  F12=Cancel  F13=User Support
    
```

```

                                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 . . 251708
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
    
```


- Enter **12** (EDI Data) in the Option field next to Coffee Dist 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
Opt Partner ID      Date      ID      Doc Info      Ack Profile Sts
12 COFFEE DIST      04-30-08  ORDERS 25170801      EVAL   PI
   COFFEE DIST      04-30-08  ORDERS 25170801      A   CN3BSC H
   MYCOMPANY        COFFEE 04-30-08  ORDERS 25170801      CN3BSC H
   TDMTEST          04-30-08  ORDERS 25170801025  A   CN3BSC PI

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.

- Press **F12** (Cancel) until you return to the Audit menu.

```

EDIX408          Inbound Queue Inquiry          EDI          04/30/08
                Line Number . . . . . 000001
Comm Profile Id . . EVAL          Status . . . . . PI
Profile Seq . . . . . 000161      Date Received . . . 04-30-08
Date Received . . . 04-30-08      Time Received . . . 11:16
Time Received . . . 11:16         Batch Seq Number . . 0000008
Batch-Id . . . . .

UNB+UNOA:1+COFFEE DUNS:ZZ+MYDUNS:01+960311:1632+00000000000006'UNH+0000000000
6+ORDERS:D:94B'BGM+130+25170801+11'DTM+14:960311:101'DTM+9:960311:101'DTM+10:
311:101'FTX+DEL+++FRIDAY DELIVERY ONLY--NOTIFY RECEIVING DOCK:'FTX+GEN+++ORDE
EMARKS'NAD+ST+00012355+CORPORATE'NAD+BT+99887766+EUROPE DIVISION 500'LIN+1+45
12345:UP'PIA+5++101559989:VP'IMD+F+:::FIVE LB CANS OF IRISH COFFEE'QTY+21:5:
'DTM+9:960310:101'DTM+10:960310:101'DTM+4 :960311:101'PRI+INF:2'UNS+S'CNT+2:1
T+20+00000000000006'UNZ+1+00000000000006'

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.

In this step, you will view the data for the partner you set up earlier.

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

```

GENAUD                               Gentrans: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       (PRTOVTRACK)

 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)

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 Coffee Dist. Make sure you select the entry that has an **R** in the S/R 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
---
COFFEE DIST                     S 000000000000011 / / Q 04-30-08 10:08
5 COFFEE DIST                     R 000000000000005 A / H 04-30-08 16:37
COFFEE DIST                     S 000000000000010 / / Q 04-30-08 14:12
COFFEE DIST                     S 000000000000009 / / Q 04-30-08 11:54
COFFEE DIST COFFEE DIST         S 000000000000005 / /   04-30-08 08:08
COFFEE DIST COFFEE DIST         ZZ S 000000000000004 / /   04-30-08 08:00
COFFEE DIST XXX                 R 000000000000005 / / H 04-30-08 11:05
COFFEE DIST XXX                 S 000000000000014 / / Q 04-30-08 12:14
COFFEE DIST XXX                 R 000000000000006 / / P 04-30-08 15:24

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

The EDI data is displayed.

4. To see the segment-level data, position the cursor on the desired segment, and press **Enter**.
5. For now, move your cursor to the BGM line and press **Enter**.

```

EDIX451                               EDI Interchange Inquiry              EDI  04/30/08
                                         12:00:00

Interchange ID. . . . . COFFEE DIST
Interchange Name. . . . COFFEE DIST - Tutorial Partner      S/R.   R
Interchange Cntl# . . . 000000000000005  Batch/Prof Seq# . . . 3 /
Number of Groups. . . 000001             Ack Date/Time . . . 04-30-08 / 11:40
Qual. . . . .                               Overdue Ack Date/Time
Acknowledge Stat. . . . A                 Char. Count . . . . 00000000484
Batch ID. . . . . Edifact orders document

UNB+UNOA:1+COFFEEEDUNS:ZZ+MYDUNS:01+000311:1632+000000000000005'
UNH+000000000000005+ORDERS:D:94B'
BGM+130+25170801025+11'
DTM+14:000311:101'
DTM+9:000311:101'
DTM+10:000311:101'
FTX+DEL+++FRIDAY DELIVERY ONLY---NOTIFY RECEIVING DOCK: '
FTX+GEN+++ORDERREMARKS'
NAD+ST+00012355+CORPORATE'
NAD+BT+99887766+EUROPE DIVISION 500'

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 EDI data contained in the element (only the first 31 bytes are shown).
- 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. . . . BGM  Transaction Code:  ORDERS
Version ID. . . . D  94B

Type option, press Enter.
1=Select  2=View Codes
A  Seq  Ele  Description                               Element Data
-  01  01  DOCUMENT/MESSAGE NAME, CODED                130
1  05  00  DOCUMENT/MESSAGE NUMBER                    25170801025
-  06  00  MESSAGE FUNCTION, CODED                     11

                                           Bottom

F1=Help  F12=Cancel

```

- The Data Element Definition panel (EDIX455) is displayed. The data element information is retrieved from the EDI Standards file.
- 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. . . . . D  94B
Data Element ID . . . . . 1004
Description . . . . . DOCUMENT/MESSAGE NUMBER

Element Type. . . . . AN
Minimum Length. . . . . 01
Maximum Length. . . . . 035
Cobol Name. . . . . DOCUMENT-MESSAGE-NUMB
Composite Code Definition . . .

F1=Help  F12=Cancel

```

- 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. . . . BGM  Transaction Code:  ORDERS
Version ID. . . . D  94B

Type option, press Enter.
1=Select  2=View Codes
A  Seq  Ele  Description                               Element Data
2  01  01  DOCUMENT/MESSAGE NAME, CODED                130
-  05  00  DOCUMENT/MESSAGE NUMBER                    25170801025
-  06  00  MESSAGE FUNCTION, CODED                     11

                                           Bottom

F1=Help  F12=Cancel

```

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

- 9. 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 . . . . . D 94B
Data Element ID. . . . . 1001

Minimum Length . . . . . 1
Maximum Length . . . . . 3
Element Data . . . . . 130

Position to Code . . . . . _____

Composite/
Code      Description
- 1 _____ CERTIFICATE OF ANALYSIS _____
- 10 _____ PARTY INFORMATION _____
- 105 _____ PURCHASE ORDER _____
- 110 _____ MANUFACTURING INSTRUCTIONS _____
- 12 _____ MILL CERTIFICATE _____
- 120 _____ STORES REQUISITION _____
- 13 _____ POST RECEIPT _____

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. Enter **11** (System Administration menu) on the command line of the GENMAIN menu and press **Enter**.

The Gentran:Server System Administration menu 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
====> 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)

 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**.

The EDI Monitor Inquiry panel is displayed. The job number and process name 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.

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

```

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
---  ---      ---      ---      ---      ---      ---      ---
  4/30/08    12:00:00  EBDI41    W    0181139    612    4375
  4/30/08    12:00:00  EBDI02    I    0181139    611    4357
 5 4/30/08    12:00:00  EBDI01    I    0181139    610    4329
  4/30/08    12:00:00  EBDI02    F    0180635    609    4310
  4/30/08    12:00:00  EBDI42    W    0180635    608    4294
  4/30/08    16:08:01  EBDI02    I    0171846    607    4260
  4/30/08    16:07:51  EBDI01    I    0171846    606    4212
  4/30/08    16:05:18  EBDI02    I    0171846    605    4178
  4/30/08    16:05:08  EBDI01    I    0171846    604    4130
                                          More...

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

```

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

Job Number . . . . .      0181139
Process Name . . . . .    EBDI01

EBDI001  RUN 04/30/08    TIME 12:00:00    EDITOR INBOUND PROCESSING+
ERROR RECORD SEG ELT/COMP                                +
NUMBR NUMBER ID  NBR  INFORMATION      ERROR MESSAGE      +
+
INTERCHANGE = TDMTEST                                -      TYPE = UNB      +
GROUP       = TDMTEST                                -      TYPE = !!!DFT +
TRANSACTION =                                         TYPE = ORDERS +
62          2 UNH  2/ 4      MISSING INDICATED MANDATORY ELEMENT.  +
706         5 PIA  2      C212  MISSING INDICATED MANDATORY GROUP ELEMENT+
209         7 UNT          TDMTEST  CANNOT ADD ITEM TO AUDIT FILE. IT DUPLICA+
209         7 UNZ          GTDMTEST  CANNOT ADD ITEM TO AUDIT FILE. IT DUPLICA+
209         7 UNZ          ITDMTEST  CANNOT ADD ITEM TO AUDIT FILE. IT DUPLICA+
                                          +
                                          More...

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

Step 10: Print EDI Monitor Reports

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

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

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  EBDI41    W      0181139    612      4375
6_  04/30/08    12:00:00  EBDI02    I      0181139    611      4357
6_  04/30/08    12:00:00  EBDI01    I      0181139    610      4329
__  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
                                           More...

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

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

Where to go next: At this point, you can either go on to Chapter 7, the outbound portion of the tutorial (if you have not already done so) or exit the system (option **90** on the GENMAIN menu).

Outbound Overview

In this outbound exercise, you will set up your Gentran:Server system to send invoices to Coffee Distributors. In this task, 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 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.

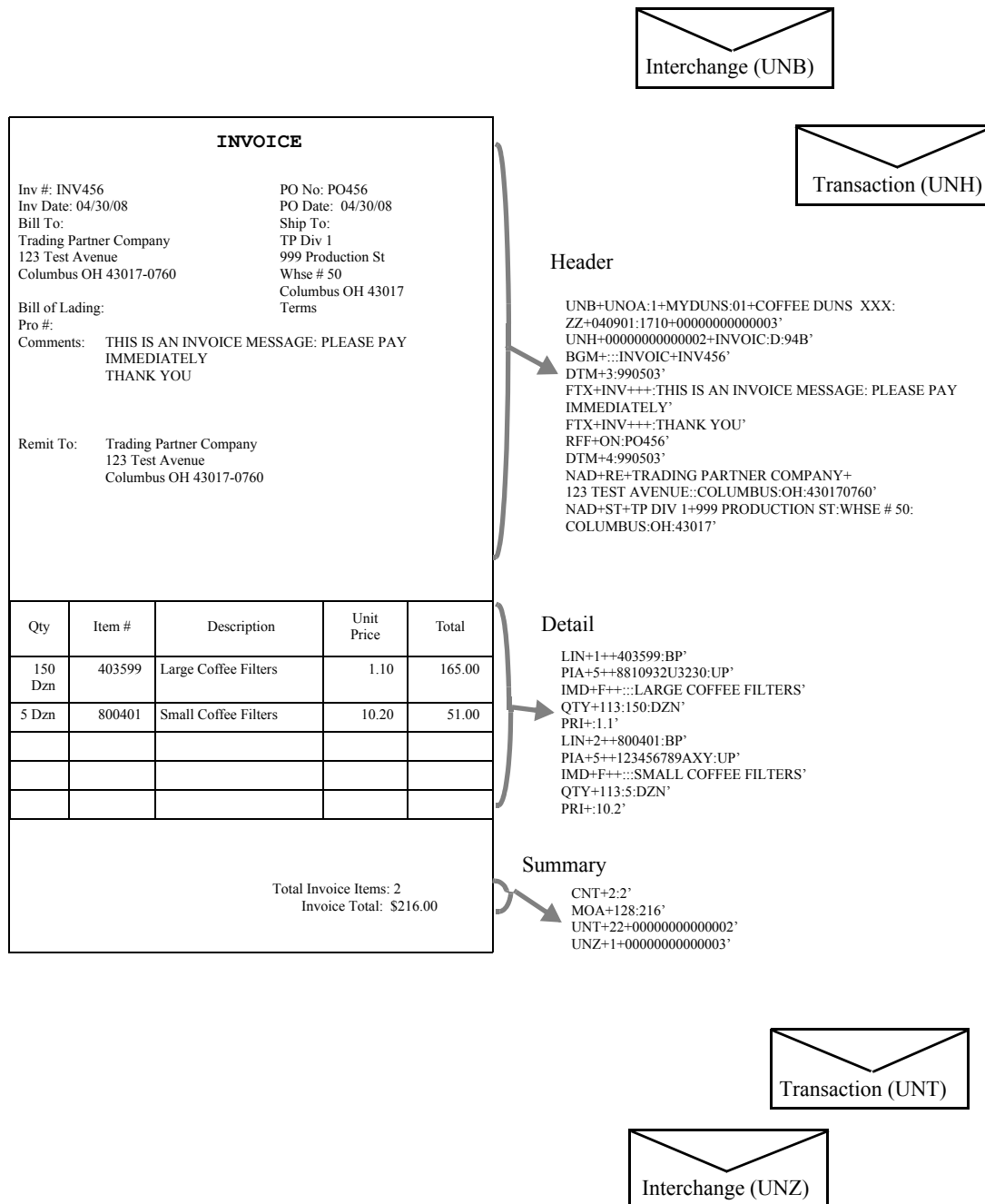
Assumptions

In this case scenario, assume the following information is being requested by your trading partner (Coffee Distributors) 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 ID qualifier
- Product UPC number
- Vendor product ID
- Total invoice amount
- Item count

Outbound Overview

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 EDIFACT standard D 94B for your data.) In this exercise, you will be generating the EDI data during translation.



Signing On to the Gentran System

If you are already signed on to the system and accessing the tutorial library, go to 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 have 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 even 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.

Setting Up a Partner

**NOTE**

If you already set up the 'Coffee Dist' partner during the inbound section of this EDIFACT tutorial, skip this chapter and go to Chapter 9, "Setting Up an Outbound Application Definition."

In this Chapter

In this chapter, you will set up a trading partner by completing the following:

- Create the Partner ID
- Add Partner Transactions
- Update the Name and Address Information
- Add Partner Cross References

What is a Partner?

In EDI, anyone with whom you transfer documents electronically 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 every partner with whom you exchange EDI documents. Setting up a 'partner profile' identifies key characteristics of your EDI environment and your partner's environment that are 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 you like for the partner ID. Typically, most users choose an easily recognizable reference, such as a company name.

1. First, access the Work with Partners subsystem. On the GENMAIN menu, enter **1** 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
====> 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.

```

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

Position to Partner ID . . . . .
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          Qnt Partner Name
1  COFFEE DIST
!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)
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
    
```

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

The Partner Control panel is displayed.

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

```

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

Partner ID . . . . . COFFEE DIST
Partner Qualifier . . . . .
Partner Name . . . . . *** Name Not On File ***
Division . . . . . 000
Interchange Header Option . . . . . UNB
Last Incoming Sequence Number . . . . .
GS Sender ID Qualifier . . . . . N
GS Receiver ID Qualifier . . . . . N
Expect a TAL, ACL, 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 . . . . .
Comm Profile ID . . . . . CN3BSC
Last Incoming UNB/STX Seq. No. . . . .

Set 209 Errors . . . N
Group Profile ID . . . N
Update Allowed . . . Y

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

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

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

7. On the second panel, leave the default delimiters. Press **Enter** to advance to the next panel.
8. On the third panel, enter **MYDUNS** in the Sender ID field.
9. Enter **01** in the Sender Qualifier field.
10. Enter **COFFEEEDUNS** in the Recipient ID field.
11. Enter **ZZ** in the Recipient Qualifier field.
12. Press **F10** (Update) to create the partner and return to the Work with Partners panel.

```

EDIX012                Partner Control                EDI 04/30/08
FMT08                                12:00:00

Partner ID . . . . . COFFEE DIST
Partner Qualifier . . . . .
Partner Name . . . . . *** Name Not On File ***

Outbound envelope information for UNB segment
Syntax ID . . . . . UNB01 UNOA                Version . . . . . UNB01 1
Sender ID . . . . . UNB02 MYDUNS
Sender Qualifier . . . . . UNB02 01
Rev Routing Address . . . . . UNB02
Recipient ID . . . . . UNB03 COFFEEEDUNS
Recipient Qualifier . . . . . UNB03 ZZ
Routing Address . . . . . UNB03
Control Reference . . . . . UNB05 00000000000001
Recipients Password . . . . . UNB06
Appl Reference . . . . . UNB07
Priority Code . . . . . UNB08
Comm Agreement ID . . . . . UNB10
Test Indicator . . . . . UNB11

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

Step 2: 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 ones provided. During this task, you will create two transactions for this partner: INVOIC (for invoices) and ORDERS (for purchase orders).

First, create the transaction ID called INVOIC (invoices).

1. On the Work with Partners panel, enter **12** (Transactions) beside the partner you created (Coffee Dist) in the last step and press **Enter**.

```

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

Position to Partner ID . . . . . COFFEE DIST          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
-----
12 COFFEE DIST          COFFEE DIST - Tutorial Partner
  C13579          International Parts & Service
  C24680          C24680
  ICS-PARTNER          Example of an ICS Partner
  INSPARTNER          INSPARTNER
  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
                               More...

Parameters or command
====>
F1=Help F3=Exit F12=Cancel F15=Sort F23=More Options F24=More Keys
Revise Operation Successful.
    
```

2. On the Work with Partner Transactions panel, enter **1** (Create) in the Options field on the key entry line.
3. Enter **INVOIC** in the Trans 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 COFFEE DIST

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

Opt Tran ID In Map          Out Map
  1  INVOIC
  !!!DFT

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


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

- Enter **Y** in the Send Transaction Outbound field and enter N in the Acknowledgment Specific Trans field. Then, press **Enter** to go to the second Partner Transaction panel.

```

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

Partner ID . . . . . COFFEE DIST
Partner Qualifier . . . . .
Partner Name . . . . . COFFEE DIST
Transaction ID . . . . . INVOIC

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

F1=Help  F8=Next  F10=Update  F12=Cancel  F24=More Keys
    
```

- Enter all zeros (or enter a zero and press **Field Exit** to zero-fill) to fill the Message Reference Number field.
- Enter **D** in the Version Number field.
- Enter **94B** in the Version Release Number field.
- Press **F10** (Update) to create the transaction and return to the Work with Partner Transactions panel.

```

EDIX041          Partner Transaction          EDI 04/30/08
FMT03                                     12:00:00

Partner ID . . . . . COFFEE DIST
Partner Qualifier . . . . .
Partner Name . . . . . COFFEE DIST
Transaction ID . . . . . INVOIC

Outbound envelope information for UNH segment
Message Reference Number . . UNH01 0000000000000000
Message Type . . . . . UNH02 INVOIC
Version Number . . . . . UNH02 D
Version Release Number . . . UNH02 94B
Controlling Agency . . . . . UNH02 ___
Version Association Code . . UNH02 ___
Common Access Reference . . . UNH03 ___
Status of Transfer . . . . . UNH04 ___
Seq Message Transfer No. . . UNH04 ___
Reference Number Option . . . . . _

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

Next, you will create the ORDERS transaction using the Copy feature.

- Enter **3** in the Option field next to transaction ID INVOIC and press **Enter**.
- In the pop-up window, enter **ORDERS** 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 COFFEE DIST

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 INVOIC

Copy To
ORDERS
F3=Exit  F12=Cancel

Bottom

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

Next, you will change some of the values copied from the INVOIC transaction set.

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

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

Next, you will create the CONTRL transaction (for functional acknowledgments) using the Copy feature.

- 13. Enter **3** in the Option field next to Transaction ID INVOIC and press **Enter**.
- 14. In the pop-up window, enter **CONTRL** in the Copy To field and press **Enter**.

```

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

Partner ID . . . . . COFFEE DIST
Partner Qualifier. . . . .
Partner Name . . . . . COFFEE DIST
Transaction ID . . . . . ORDERS

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
Acknowledgment Specific Trans. . . . . N

F1=Help F8=Next F10=Update F12=Cancel F24=More Keys
    
```

```

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

Position to Tran ID _____ For COFFEE DIST

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 INVOIC

Copy To
CONTRL
F3=Exit F12=Cancel

Bottom

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

- 15. Enter **Y** in the Accept Transaction Inbound and keep the **Y** in the Send Transaction Outbound fields.
- 16. Press **Enter** or **F8** to access the second panel.

```

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

Partner ID . . . . . COFFEE DIST
Partner Qualifier. . . . .
Partner Name . . . . . COFFEE DIST
Transaction ID . . . . . CONTRL

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
Acknowledgment Specific Trans. . . . . N

F1=Help F8=Next F10=Update F12=Cancel F24=More Keys
    
```

17. Enter **0** in the Message Reference Number, if not already 0, and press **Field Exit** to zero-fill.
18. Press **F10** (Update) to create the transaction and return to the Work with Partner Transactions panel.
19. Press **F12** (Cancel) until you return to the Work with Partners panel.

```

EDIX041                Partner Transaction                EDI 04/30/08
FMT03                  12:00:00

Partner ID . . . . . COFFEE DIST
Partner Qualifier. . . . .
Partner Name . . . . . COFFEE DIST
Transaction ID . . . . . CONTRL

Outbound envelope information for UNH segment
Message Reference Number . . UNH01 000000000000000
Message Type . . . . . UNH02 CONTRL
Version Number . . . . . UNH02 D
Version Release Number . . . UNH02 94B
Controlling Agency . . . . . UNH02
Version Association Code . . UNH02
Common Access Reference. . . UNH03
Status of Transfer . . . . . UNH04
Seq Message Transfer No. . . UNH04
Reference Number Option. . . . .

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

Step 3: 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 (Coffee Dist) on the Work with Partners panel and press **Enter**.

```

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

Position to Partner ID . . . . . COFFEE DIST          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 COFFEE DIST          COFFEE DIST - Tutorial Partner
C13579                  International Parts & Service
C24680                  C24680
ICS-PARTNER             Example of an ICS Partner
INSPARTNER             INSPARTNER
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
-----
Parameters or command          More...
===>
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 . . . . . COFFEE DIST
Qual Name. . . . .

Name . . . . . COFFEE DIST - 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 4: Add Partner Cross References

Cross-reference entries are used to help Gentran:Server find the partner ID in the partner file. Identifiers may be used which are different from the partner ID in the application and EDI data. The cross-reference entries “tie” the other identifier(s) back to the partner ID. In this exercise, you will be adding two cross-reference values for your partner (Coffee Dist).

1. On the Work with Partners panel, enter **17** in the Option field beside your partner (COFFEE DIST) and press **Enter**.

```

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

Position to Partner ID . . . . . COFFEE DIST                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 COFFEE DIST                COFFEE DIST - Tutorial Partner
--- C13579                    International Parts & Service
--- C24680                    C24680
--- ICS-PARTNER              Example of an ICS Partner
--- INSPARTNER              INSPARTNER
--- 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
---
More...

Parameters or command
====>
F1=Help  F3=Exit  F12=Cancel  F15=Sort  F23=More Options  F24=More Keys
Revise Operation Successful.
    
```

2. Enter **COFFEEDUNS** in the X-Ref field on the first blank line and **ZZ** in the Qual field.
3. In the X-Ref field on the second line, enter **VDR#99999**. (VDR#99999 is a value from the application.)
4. Press **Enter** to add the new cross references.
5. Press **F12** (Cancel) until you return to the GENMAIN menu.

```

EDIX008                Partner Cross Reference            EDI 04/30/08
CTL01
Partner ID . . . . . COFFEE DIST
Qualifier. . . . .
Partner Name . . . . . COFFEE DIST - Tutorial Partner
Position to X-Ref. . . . .

Type option, press Enter.
  4=Delete

Opt X-Ref                Qual
--- COFFEEDUNS            ZZ
--- VDR#99999
---
---
---
---
---
---
---
More...

F1=Help  F4=Prompt  F5=Refresh  F10=Update  F12=Cancel  F24=More Keys
    
```

You have now completed partner setup – congratulations!

Where to go next: Go to Chapter 9, “Setting Up an Outbound Application Definition,” and follow the step-by-step instructions.

Setting Up an Outbound Application Definition

In this Chapter

In this chapter, you will set up an outbound application definition by completing the following:

- Access the Application Definition Subsystem
- Define the Application ID
- Revise 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.”

Setting Up an Outbound Application Definition

Step 1: Access the Application Definition Subsystem

To access the Application Definition subsystem:

Enter **2** on the command line 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

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

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

2. Enter **INVOICOUT** in the Appl(ication) ID field. If INVOICOUT already exists, replace 'OUT' with your initials.

3. Enter **S** in the S/R field and press **Enter**.

The Application Definition panel is displayed.

```

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  INVOICOUT  S                               External Phys.    PI      MKK
-- BINARYOUT  S  BINARY OUT SAMPLE                               Internal Phys.    IN      EDI
-- INVFILE    R  Invoice Inbound                               External Lgl.     INVOIC  EDI
-- INVOIC     S  Edifact Invoice                               Y2K External Lgl. IN      CB
-- INVOUT     S  Tutorial X12 Invoice Outbound                       External Lgl.     IN      EDI
-- INVOUTL    S  Invoice Outbound (lgl)                               Y2K External Phys. IN      EDI
-- INVOUTP    S  Invoice Outbound (Phys)                             Y2K External Phys. IN      CB
-- INVOUTPEDI S  INVOICE OUTBOUND - PHYSICAL                         External Phys.    IN      CS
-- 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, you will specify the characteristics of the application definition.

4. Enter **Tutorial EDIFACT Invoice Outb** in the Description field.

5. Enter **INVOIC** on the first line of the Functional Groups field (as defined by the standards for an invoice).

6. Enter **L** in the File Type field (this 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.

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

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

```

EDIX552          Application Definition                    EDI 04/30/08
FMT01          12:00:00

Application ID . . . . . INVOICOUT
Send or Receive. . . . . S

Division . . . . . 000
Description. . . . . Tutorial EDIFACT Invoice outb
Functional Groups. . . . . INVOIC
-----
-----
-----
-----
File Type. . . . . L
EDI Split File . . . . .
EDI Sub-Split File . . . . .
Record Type Start Position . . . . .
Length . . . . .
Application File . . . . . WLEINVE

Update Allowed . . . . . Y

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

Gentran:Server automatically 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: Revise the Application Files

1. On the Work with Application Definition panel, enter **11** (Rec/Files) in the Option field next to the application ID you just created (INVOICOUT) and press **Enter**.

The Application Records/Files panel is displayed.

Next, you will modify the file information in the application definition.

2. Change the value in the Max Use field to **10** for sequence 20. This will generate up to 10 occurrences of the FTX segment.
3. Change the value in the A(rea) field for sequence 30 to **D** for Detail.
4. Enter **0200** in the Loop ID field for sequence 30.
5. Change the value in the A (Area) field for sequence 40 to **S** for Summary and press **Enter** to update.

```

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

Position to Application ID . . . . INVOICOUT 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 INVOICOUT     S Tutorial EDIFACT Invoice outb External Lgl.   INVOIC EDI
--- INVOUT        S Tutorial X12 Invoice Outbound External Lgl.   IN EDI
--- INVOU TL      S Invoice Outbound (Lgl) Y2K External Lgl. IN EDI
--- INVOU TP      S Invoice Outbound (Phys) Y2K External Phys. IN EDI
--- INVOU TPEDI   S INVOICE OUTBOUND - PHYSICAL External Phys. IN CB
--- ORDERS        R Edifact Orders Inbound External Lgl.   ORDERS CSG
--- ORDERSINB     R Tutorials EDIFACT Orders inb External Lgl.   ORDERS CB
--- POFILE        S Outbound Purchase Order Internal Phys.  PO EDI
--- POFILE1       S PURCHASE ORDER - OUTBOUND Internal Phys.  PO CB
More...

Parameters or command
===>
F1=Help F3=Exit F12=Cancel F15=Sort F23=More Options F24=More Keys
DDS was retrieved for the Application's Files and Fields.
    
```

```

EDIX553          Application Records/Files              EDI 04/30/08
CTL01

Application ID . . . . . INVOICOUT
Send or Receive. . . . . S
Description. . . . . Tutorial EDIFACT Invoice outb

Position to Sequence Number. . . . _____

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

Opt Seq Rec/File  A ID      Loop Max      Description                               Last Update
---  ---  ---  ---  ---  ---  ---  ---  ---  ---
  10 WPEINVDRE   H _____ 1 M      EDI Invoice Header File                   04-30-08 EDI
  20 WPEINVCMT   H _____ 10 M     EDI Invoice Header Comment fil           04-30-08 EDI
  30 WPEINVITME  D _____ 1 M      EDI Invoice Item Detail File             04-30-08 EDI
  40 WPEINVSUM  H 0200     1 M      EDI Invoice Summary File                 04-30-08 EDI
---  ---  ---  ---  ---  ---  ---  ---  ---  ---
More...

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

 **NOTE**

You may change the descriptions for the sequence numbers, but it is not necessary for this exercise.

Step 4: Revise Application Fields

1. Enter **11** (Fields) in the Option field next to the header file (WPEINVHDRE) and press **Enter**.

The Application Fields panel is displayed.

Our sample application stores the invoice date in YYYYMMDD format, but the EDI date can be in various formats. You will need to make the following changes to customize the fields for this task:

```

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

Application ID . . . . . INVOICOUT
Send or Receive. . . . . S
Description. . . . . Tutorial EDIFACT Invoice outb

Position to Sequence Number. . . . .

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

Opt Seq Rec/File  A  ID  Loop  Max  Use M W Description  Last Update
  11  10 WPEINVHDRE H    1    1 M  EDI Invoice Header File  04/30/08 EDI
  20  20 WPEINVCMTTE H    10   1 M  EDI Invoice Header Comment fil 04/30/08 EDI
  30  30 WPEINVITME  D    1    1 M  EDI Invoice Item Detail File  04/30/08 EDI
  40  40 WPEINVSUME  H  0200  1 M  EDI Invoice Summary File      04/30/08 EDI

More...

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

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 sequence 150. Enter **CY** in the Ty (Type) for seq 150 to convert the Ship Date from YYYYMMDD format.

```

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

Application ID . . . . . INVOICOUT
Send or Receive. . . . . S
Record/File Sequence Number. . . . . 10
Description. . . . . EDI Invoice Header File
Record/File. . . . . WPEINVHDRE

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
  25 F010.IHPO#   AN  29 20 M PURCHASE ORDER #
  30 F010.IHPODT  CY  49  8 M PURCHASE ORDER DATE

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 Applications 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 will tell Gentran:Server what field should be examined to determine the partner to whom the data is being sent. To update the Application Partner Reference:

1. On the Work with Application Definition panel, enter **13** (App Part Ref) in the Option field next to your application definition (INVOICOUT), and press **Enter**.

The Application Partner Reference panel is displayed.

```

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

Position to Application ID . . . . INVOICOUT 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 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 CB
---
ORDERS           R Edifact Orders Inbound External Lgl.      ORDERS CSG
---
ORDERSINB        R Tutorial EDIFACT Orders inb External Lgl.      ORDERS CB
---
POFILE           S Outbound Purchase Order Internal Phys. PO EDI
---
POFILE1          S PURCHASE ORDER - OUTBOUND Internal Phys. PO CB
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 or press **F4** (Prompt) and select the field from the list.
3. Press **F10** (Update) to update the panel and return to the Work with Application Definition panel.
4. Press **F12** (Cancel) until you return to the GENMAIN menu.

```

EDIX559          Application Partner Reference            EDI 04/30/08
FMT01                                                    12:00:00

Application ID . . . . . INVOICOUT
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
    
```

You have now finished customizing the invoice application definition — congratulations!

Where to go next: Go to Chapter 10, “Setting Up an Outbound Transaction Map,” and follow the step-by-step instructions.

Creating an Outbound Transaction Map

In this Chapter

In this exercise, you will create a transaction map for an outbound invoice by completing the following:

- Access the Transaction Mapping Subsystem
- Create and Define a 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, select option **2** (Work with Transaction Mapping) on the GENMAP menu 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 enables you to create a new transaction ID. Typically, users choose a name that identifies the transaction, version, and partner-specific code. To create a map:

1. Enter **1** (Create) in the Option field on the key entry line.
2. Enter **INVOICOUT** in the Tran ID field. If INVOICOUT already exists, replace 'OUT' with your initials.
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  INVOICOUT  S                               User Typ
-- 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
-- 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 F6=More/Less F12=Cancel F15=Sort F23=More Options F24=More Keys
    
```

The Transaction Map Definition panel is displayed.

Step 4: Define a Transaction ID

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

1. Enter **Tutorial EDIFACT Invoice D:94B** in the Description field.

2. Enter **D 94B** in the Standards Version field.

Note: There are *two* blank spaces between the letter 'D' and the number '9.'

3. Enter **INVOIC** 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.'

6. Enter **E** in the Envelope Type field for 'EDIFACT.'

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 ('INVOICOUT') and press **Enter** to select it and populate the field.

9. Make sure the Update Allowed flag is set to **Y** and press **F10** (Update) to add the map and return to the Work with Transaction Mapping panel.

EDIX503	Transaction Map Definition	EDI 04/30/08
FMT01		12:00:00
Transaction ID	INVOICOUT	
Send or Receive.	S	
Division	000	
Description.	<u>Tutorial EDIFACT Invoice D:94B</u>	
Standards Version.	<u>D 94B</u>	
Transaction Set.	<u>INVOIC</u>	
Transaction Set Release.	Q	
Transaction Status	T	
Use Code	P	
Envelope Type.	E	
Application ID	<u>INVOICOUT</u>	
Application Selection Field Values	_____	_____
Update Allowed	Y	
F1=Help F4=Prompt F10=Update F12=Cancel F13=Services F24=More Keys		

Step 5: Copy Segments from 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 INVOICOUT and press **Enter**.

The Copy Segments from Standard panel is displayed.

```

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

Position to Transaction ID . . . . . INVOICOUT  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 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           CB    G
--- POMAP4010   R   SEMPOAPPL   Purchase Order Inbound 004010           EDI   P
--- SEMINMAP1   S   SEMINAPPL   SEMINAR 810 OUTBOUND MAP 2040           CSG   P
--- 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   INVOICOUT   Tutorial Invoice Outbound 4010           CB    P

Parameters or command
====>
F1=Help F6=More/Less F12=Cancel F15=Sort F23=More Options F24=More Keys
Create Operation Successful.
    
```

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

```

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

Transaction ID . . . . . INVOICOUT
Send or Receive. . . . . S
Standard . . . . . D 94B
Transaction Set. . . . . INVOIC

Type option, press Enter.
3=Copy

Opt  Seq   Seg Man   Max Loop   Max
No   Area Id  Cd         Use Id     Loop Description
---
3    1  H   BGM   M         1          BEGINNING OF MESSAGE
3    2  H   DTM   M        35          DATE/TIME/PERIOD
---  3  H   PAI   C         1          PAYMENT INSTRUCTIONS
---  4  H   ALI   C         5          ADDITIONAL INFORMATION
---  5  H   IMD   C         1          ITEM DESCRIPTION
3    6  H   FTX   C        10          FREE TEXT
3    7  H   RFF   C        1 0010     10 REFERENCE

F1=Help F10=Update F12=Cancel F13=Services
    
```

3. Press **Page Up/Page Down** to locate 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.

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

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

Segment	Seq#	Comments
BGM	1	Mandatory – will already have 3 in the Option field
DTM	2	Mandatory – will already have 3 in the Option field
FTX	6	Enter 3 in the Option field
RFF	7	Enter 3 in the Option field

Segment	Seq#	Comments
NAD	9	Enter 3 in the Option field
LIN	62	Enter 3 in the Option field
PIA	63	Enter 3 in the Option field
IMD	64	Enter 3 in the Option field
QTY	66	Enter 3 in the Option field
PRI	81	Enter 3 in the Option field
UNS	128	Mandatory – will already have 3 in the Option field
CNT	129	Enter 3 in the Option field
MOA	130	Mandatory – will already have 3 in the Option field

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 might not be written as many times as expected during translation. To align the segments in this sample invoice map, complete the following steps:

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

The Transaction Map Segments panel is displayed.

```

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

Position to Transaction ID . . . .  INVOICOUT  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 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 CB  G
---
POMAP4010   R  SEMPOAPPL   Purchase Order Inbound 004010 EDI  P
---
SEMINMAP1   S  SEMINAPPL   SEMINAR 810 OUTBOUND MAP 2040 CSG  P
---
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
---
8100OUT     S  INVOUT      Tutorial Invoice Outbound 4010 CB  P
---
Parameters or command
====>
F1=Help  F6=More/Less  F12=Cancel  F15=Sort  F23=More Options  F24=More Keys
    
```

2. Change the Max Use value for the DTM segment to **1** and modify the description to include (**INV DATE**).
3. Blank out the Loop ID and Max Loop values for the RFF segment and modify the description to include (**PO #**).
4. Blank out the Loop ID and Max Loop fields for NAD and modify the description to include (**Bill to**).

```

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

Transaction ID . . . . .  INVOICOUT
Send or Receive. . . . .  S
Transaction Set. . . . .  INVOIC
Standard . . . . .  D 94B

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  BGM  M       1           BEGINNING OF MESSAGE                    Y
---
200  H  DTM  M       1           DATE/TIME/PERIOD(INV DATE)              Y
---
600  H  FTX  C      10           FREE TEXT                               Y
---
700  H  RFF  C       1           REFERENCE (PO#)                         Y
---
900  H  NAD  C       1           NAME AND ADDRESS (Bill to)              Y
---
6200 D  LIN  C       1 0200  200000  LINE ITEM                                Y
---
F1=Help  F4=Prompt  F10=Update  F12=Cancel  F13=Services  F24=More Keys
    
```

5. Press **Page Down** to locate additional segments to be modified.

6. For the PIA segment, change the Max Use value to **1**.
7. For the IMD segment, change the Max Use value to **1**.
8. For the QTY segment, change the Max Use value to **1**.
9. Change the Loop ID for segment PRI to **0200** and blank out the Max Loop value.
10. For the CNT segment, change the Max Use to **1**.
11. Press **Page Down**.
12. Blank out the Loop ID and Max Loop values for the MOA segment.
13. Press **Enter** to update.

```

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

Transaction ID . . . . . INVOICOUT
Send or Receive. . . . . S
Transaction Set. . . . . INVOIC
Standard . . . . . D 94B

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
---  ---  ---  ---  ---  ---  ---  ---  ---  ---
 6300 D PIA C          1 0200      ADDITIONAL PRODUCT ID  _____ Y
 6400 D IMD C          1 0200      ITEM DESCRIPTION      _____ Y
 6600 D QTY C          5 0200      QUANTITY              _____ Y
 8100 D PRI C          1 0200      PRICE DETAILS         _____ Y
12800 S UNS M          1          SECTION CONTROL       _____ Y
12900 S CNT C          10         CONTROL TOTAL         _____ Y
More...

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

```

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

Transaction ID . . . . . INVOICOUT
Send or Receive. . . . . S
Transaction Set. . . . . INVOIC
Standard . . . . . D 94B

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
---  ---  ---  ---  ---  ---  ---  ---  ---  ---
13000 S MOA M          1          MONETARY AMOUNT      _____ Y
-----
-----

More...

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

Step 7: Copy Segments for Manual Loops

The next step in aligning the segments is to create manual loops by copying existing segments. To create a manual loop for the sample invoice, complete the following instructions:

1. Select the segment to be copied (in this example, the DTM segment at sequence 200) by entering **3** (Copy) in the appropriate Option field and pressing **Enter**.

This action displays a pop-up window.

2. Enter **210** on the Copy To line in the pop-up window and press **Enter**.

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

Transaction ID INVOICOUT
Send or Receive. S
Transaction Set. INVOIC
Standard D 94B

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	Max	Description	User	W
	No	C	Id	C	Use	Loop		Exit	F
					Id	Loop			
	100	H	BGM	M	1		BEGINNING OF MESSAGE		Y
<u>3</u>	200	H	DTM	M	1		DATE/TIME/PERIOD (INV DATE)		Y

Copy To
210
F3=Exit F12=Cancel

This action redisplay the panel, showing the copied segment ID 210. You may want to update the segment description to indicate **PO DATE**.

3. Enter **3** (Copy) in the Option field for segment NAD at sequence 900 and press **Enter**.
4. On the pop-up window, enter **910** on the Copy To line and press **Enter**.

This action redisplay the panel, showing the copied segment ID 910. You may want to update the segment description to indicate **Ship To**.

5. Repeat items 3 and 4 to copy the NAD segment again to sequence **920**. You may want to update the description to indicate **Remit To**.

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

Transaction ID INVOICOUT
Send or Receive. S
Transaction Set. INVOIC
Standard D 94B

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	Max	Description	User	W
	No	C	Id	C	Use	Loop		Exit	F
					Id	Loop			
	100	H	BGM	M	1		BEGINNING OF MESSAGE		Y
	200	H	DTM	M	1		DATE/TIME/PERIOD (INV DATE)		Y
<u>3</u>	900	H	NAD	C	1		NAME AND ADDRESS (Bill to)		Y

Copy To
910
F3=Exit F12=Cancel

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

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

Transaction ID INVOICOUT
Send or Receive. S
Transaction Set. INVOIC
Standard D 94B

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	Max	Description	User	W
	No	C	Id	C	Use	Loop		Exit	F
					Id	Loop			
	100	H	BGM	M	1		BEGINNING OF MESSAGE		Y
	200	H	DTM	M	1		DATE/TIME/PERIOD (INV DATE)		Y
	900	H	NAD	C	1		NAME AND ADDRESS (Bill to)		Y
<u>3</u>	900	H	NAD	C	1		NAME AND ADDRESS (Bill to)		Y

Copy To
920
F3=Exit F12=Cancel

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

Step 8: Access the Split Screen 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 alternatively perform mapping using option 11.

Enter **14** (Split Screen Map) in the Option field for the BGM segment and press **Enter**.

The Split Screen Mapping Outbound panel is displayed.

```

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

Transaction ID . . . . . INVOICOUT
Send or Receive . . . . . S
Transaction Set . . . . . INVOIC
Standard . . . . . D 94B

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      Loop
14  100 H BGM M      1          _____ BEGINNING OF MESSAGE      Y
   200 H DTM M      1          _____ DATE/TIME/PERIOD(INV DATE)  Y
   210 H DTM M      1          _____ DATE/TIME/PERIOD(PO DATE)  Y
   600 H FTX C      10         _____ FREE TEXT                  Y
   700 H RFF C      1          _____ REFERENCE (PO#)           Y
   900 H NAD C      1          _____ NAME AND ADDRESS (Bill to) Y

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


Step 11: Map the Second DTM Segment for the Order Date

In this step, you will map the DTM segment for the PO date location.

1. Enter **'4'** (enclosed in single quotes) in the Target field for element sequence 10 or use option **13** to select the code from the list.
2. Enter **F010.IHPODT** in the Target field for element sequence 20 or use option **1** to select the field from the top half.
3. Press **F17** (Next Rcd) to update the segment and advance to the FTX segment.

From Application Fields										04/30/08	12:00:00
Application: INVOICOUT S/R: S										1=Select	
Opt	Rec	Type	No	Field Name	Typ	Len	Cde	Description			
WPEINVHDRE	5		F010.IHB2#	AN	9	M		BILLTO ACCT#			
WPEINVHDRE	10		F010.IHINV#	AN	10	M		INVOICE #			
WPEINVHDRE	15		F010.IHCRDB	AN	1	M		CREDIT/DEBIT FLAG:C OR BLANK			
WPEINVHDRE	20		F010.IHINDT	CY	8	M		INVOICE DATE			
WPEINVHDRE	25		F010.IHPO#	AN	20	M		PURCHASE ORDER #			
WPEINVHDRE	30		F010.IHPODT	CY	8	M		PURCHASE ORDER DATE			
										More...	
To Transaction Element Mapping											
Map: INVOICOUT S/R: S										1=Select 11=Ext Map 12=Subfield 13=Codes	
Seg ID: DTM DATE/TIME/PERIOD(PO DATE)										Seq. 210 Area: H	
Opt	Target Field	Table ID	Ele	Sub	X	M	Ty	Description	Seq	ID	C
---	'4'		1	1			M	ID DATE/TIME/PERIOD QUALI	10	2005	
---	F010.IHPODT						O	AN DATE/TIME/PERIOD	20	2380	
---							O	ID DATE/TIME/PERIOD FORMA	30	2379	
										Bottom	
F1=Help F10=Update F12=Cancel F16=Prev Rcd F17=Next Rcd F24=More Keys											

Step 12: Map the FTX Segment

To map the Free Text segment, complete the following tasks:

1. Enter **13** (Codes) in the Option field next to element sequence 10 and press **Enter**.

A pop-up window is displayed.

2. Enter **1** next to INV and press **Enter** to select it and populate the field.

```

EDIX526 CTL01 From Application Fields 04/30/08 12:00:00
Application: INVOICOUT S/R: S 1=Select
Opt Rec Type No Field Name Typ Len Cde Description
-----
Position to Code Value . . . . .
1=Select
Code Value Description
1 INV INVOICE INSTRUCTION
IRP INFORMATION FOR RAILWAY PURPOSE
ITR INLAND TRANSPORT DETAILS
ITS TESTING INSTRUCTIONS
More...
EDI Map Seg Opt
13
-----
C ID TEXT FUNCTION, CODED 20 4453
M AN FREE TEXT, CODED 30 4441
O ID CODE LIST QUALIFIER 40 1131
O ID CODE LIST RESPONSIBLE 50 3055
M AN FREE TEXT 60 4440
More...
F1=Help F10=Update F12=Cancel F16=Prev Rcd F17=Next Rcd F24=More Keys
    
```

Next, you will use extended mapping to specify an If-condition that will prevent the code 'INV' from being written if there is no message. To add the If-condition, complete the following instructions:

3. Enter **11** (Ext Map) in the Option field next to INV and press **Enter**.

The Work with Extended Mapping panel is displayed.

```

EDIX526 CTL01 From Application Fields 04/30/08 12:00:00
Application: INVOICOUT S/R: S 1=Select
Opt Rec Type No Field Name Typ Len Cde Description
-----
WPEINVHDRE 5 F010.IHB2# AN 9 M BILLTO ACCT#
WPEINVHDRE 10 F010.IHINV# AN 10 M INVOICE #
WPEINVHDRE 15 F010.IHCRDB AN 1 M CREDIT/DEBIT FLAG:C OR BLANK
WPEINVHDRE 20 F010.IHINDT CY 8 M INVOICE DATE
WPEINVHDRE 25 F010.IHPO# AN 20 M PURCHASE ORDER #
WPEINVHDRE 30 F010.IHPODT CY 8 M PURCHASE ORDER DATE
More...

EDIX525 CTL01 To Transaction Element Mapping
Map: INVOICOUT S/R: S 1=Select 11=Ext Map 12=Subfield 13=Codes
Seg ID: FTX FREE TEXT Seq. 600 Area: H
Opt Target Field Table ID Ele Sub X M Ty Description Seq ID C
11 'INV' 1 Y M ID TEXT SUBJECT QUALIFIER 10 4451
2 C ID TEXT FUNCTION, CODED 20 4453
3 1 M AN FREE TEXT, CODED 30 4441
2 O ID CODE LIST QUALIFIER 40 1131
3 O ID CODE LIST RESPONSIBLE 50 3055
4 1 M AN FREE TEXT 60 4440
More...
F1=Help F10=Update F12=Cancel F16=Prev Rcd F17=Next Rcd F24=More Keys
    
```

4. Enter **2** (Revise) in the Option field next to the first extended map and press **Enter**.

The Extended Outbound Mapping panel is displayed.

```

EDIX506 Work with Extended Mapping EDI 04/30/08
FMT01 pgmlib: G3X5PGM dtalib: G3X5DTA 12:00:00
Position to Segment Seq. . . . . 600 10 For INVOICOUT S
Type option (and Information), press Enter.
1=Create 2=Revise 3=Copy 4=Delete 5=View
Opt Seg Ele Map Constant/Field A Seg C ID Description
-----
2 600 10 0 'INV' H FTX TEXT SUBJECT QUALIFIER
600 20 0 H FTX TEXT FUNCTION, CODED
600 30 0 H FTX FREE TEXT, CODED
600 40 0 H FTX CODE LIST QUALIFIER
600 50 0 H FTX CODE LIST RESPONSIBLE AGE
600 60 0 H FTX FREE TEXT
600 70 0 F020.ICMSG H FTX FREE TEXT
600 80 0 H FTX FREE TEXT
600 90 0 H FTX FREE TEXT
More...
Parameters or command
====>
F1=Help F3=Exit F12=Cancel F15=Sort F24=More Keys
    
```

- On the If (condition) line under the Value field, enter **F020.ICMSG** to identify the application field to be checked or use F19 (Appl) and select the field from the list.

```

EDIX508           Extended Outbound Mapping           EDI 04/30/08
FMT01           12:00:00
Segment ID . . . . . FTX           Transaction ID . . . . . INVOICOUT
Area Code . . . . . H           Send or Receive . . . . . S
Element Number . . . . . 10           Element ID . . . . . 4451
Segment Sequence . . . . . 600           Mapping Number . . . . . 0

Mapping of Data Element
Mapping Number . . . . .
Value           Op Value           Op Value
Element = 'INV'
If             PO20.ICMSG           GT
And/Or
Table ID . . . . .           Type of Table . . . . . #DEC
Add to Hash Total # . . . . .           Length (Minimum) . . . . .
Save in Constant # . . . . .           Length (Maximum) . . . . . 1
Add 1 to Accumulator # . . . . .           Group Req Cd . . . . . 3
User Exit Routine . . . . .           Related . . . . . N
Mandatory Code . . . . . M           Type . . . . . ID
Element Group . . . . .           Type . . . . .
Segment Description . . . . . FREE TEXT
Element Description . . . . . TEXT SUBJECT QUALIFIER

F1=Help F2=More/Less F4=Prompt F10=Update F19=Appl F24=More Keys
    
```

- Enter **GT** (Greater Than) in the Op(erator) field. Optionally, you can press **F4** (Prompt) to display a list of valid operators that can be used in this field.

- 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.

- 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.

- Press **F12** (Cancel) to return to the Split Screen Mapping panel. Notice the **Y** tin the Ext Map field for element 10. This indicates that an Extended Mapping panel exists for this element.

- Press **Page down**.

- Enter **F020.ICMSG** in the Target field for sequence 70 or use option **1** to select the field from the top half.

```

EDIX526 CTL01 From Application Fields           04/30/08 12:00:00
Application: INVOICOUT S/R: S           1=Select
Opt Rec Type No Field Name Typ Len Cde Description
1 WPEINVCMT 20 F020.ICMSG AN 60 M COMMENT

Bottom
EDIX525 CTL01 To Transaction Element Mapping
Map: INVOICOUT S/R: S           1=Select 11=Ext Map 12=Subfield 13=Codes
Seg ID: FTX FREE TEXT           Seq. 600 Area: H
Opt Target Field Table ID Ele Sub X M Ty Description Seq ID C
F020.ICMSG 80 4440
3 80 4440
4 90 4440
5 100 4440
5 C AN LANGUAGE, CODED 110 3453

Bottom
F1=Help F10=Update F12=Cancel F16=Prev Rcd F17=Next Rcd F24=More Keys
    
```

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

Step 13: Map the RFF Segment

In this step, you will map the RFF segment for the PO number.

1. Enter **13** (Codes) in the Option field for element sequence 10 and press **Enter**.
2. In the pop-up window, enter **1** next to ON and press **Enter** to select the code and populate the field.

```

EDIX526 CTL01 From Application Fields 04/30/08 12:00:00
Application: INVOICOUT S/R: S 1=Select
Opt
1
  Position to Code Value . . . . .
  1=Select
  Code Value Description
  -- OH CURRENT INVOICE NUMBER
  -- OI PREVIOUS INVOICE NUMBER
  1 ON ORDER NUMBER (PURCHASE)
  -- OP ORIGINAL PURCHASE ORDER
  More...
EDI
Map
Seg
Opt
13
  1 1 M ID REFERENCE QUALIFIER 10 1153
  2 O AN REFERENCE NUMBER 20 1154
  3 O AN LINE NUMBER 30 1156
  4 O AN REFERENCE VERSION NUMB 40 4000
  Bottom
F1=Help F10=Update F12=Cancel F16=Prev Rcd F17=Next Rcd F24=More Keys
    
```

3. Enter **1** next to element sequence 20 to initiate mapping and press **Enter**.

```

EDIX526 CTL01 From Application Fields 04/30/08 12:00:00
Application: INVOICOUT S/R: S 1=Select
Opt Rec Type No Field Name Typ Len Cde Description
WPEINVHDRE 5 F010.IHB2# AN 9 M BILLTO ACCT#
WPEINVHDRE 10 F010.IHINV# AN 10 M INVOICE #
WPEINVHDRE 15 F010.IHCRDB AN 1 M CREDIT/DEBIT FLAG:C OR BLANK
WPEINVHDRE 20 F010.IHINDT CY 8 M INVOICE DATE
WPEINVHDRE 25 F010.IHPO# AN 20 M PURCHASE ORDER #
WPE VHDRE 30 F010.IHPODT CY 8 M PURCHASE ORDER DATE
More...

EDIX525 CTL01 To Transaction Element Mapping
Map: INVOICOUT S/R: S 1=Select 11=Ext Map 12=Subfield 13=Codes
Seg ID: RFF REFERENCE (PO#) Seq. 700 Area: H
Opt Target Field Table ID Ele Sub X M Ty Description Seq ID C
1 'ON' 1 1 M ID REFERENCE QUALIFIER 10 1153
  2 O AN REFERENCE NUMBER 20 1154
  3 O AN LINE NUMBER 30 1156
  4 O AN REFERENCE VERSION NUMB 40 4000
  Bottom
F1=Help F10=Update F12=Cancel F16=Prev Rcd F17=Next Rcd F24=More Keys
    
```

4. In the top half of the screen, enter **1** next to F010.IHPO# and press **Enter** to populate the field.
5. Press **F17** (Next Rcd) to update and advance to the next segment (NAD).

```

EDIX526 CTL01 From Application Fields 04/30/08 12:00:00
Application: INVOICOUT S/R: S 1=Select
Opt Rec Type No Field Name Typ Len Cde Description
WPEINVHDRE 5 F010.IHB2# AN 9 M BILLTO ACCT#
WPEINVHDRE 10 F010.IHINV# AN 10 M INVOICE #
WPEINVHDRE 15 F010.IHCRDB AN 1 M CREDIT/DEBIT FLAG:C OR BLANK
WPEINVHDRE 20 F010.IHINDT CY 8 M INVOICE DATE
WPEINVHDRE 25 F010.IHPO# AN 20 M PURCHASE ORDER #
WPE VHDRE 30 F010.IHPODT CY 8 M PURCHASE ORDER DATE
More...

EDIX525 CTL01 To Transaction Element Mapping
Map: INVOICOUT S/R: S 1=Select 11=Ext Map 12=Subfield 13=Codes
Seg ID: RFF REFERENCE (PO#) Seq. 700 Area: H
Opt Target Field Table ID Ele Sub X M Ty Description Seq ID C
  'ON' 1 1 M ID REFERENCE QUALIFIER 10 1153
  F010.IHPO# 2 O AN REFERENCE NUMBER 20 1154
  3 O AN LINE NUMBER 30 1156
  4 O AN REFERENCE VERSION NUMB 40 4000
  Bottom
F1=Help F10=Update F12=Cancel F16=Prev Rcd F17=Next Rcd F24=More Keys
    
```

Step 14: Map the Billto NAD Segment

1. Enter **BT** in the Target field for sequence 10 or use option **13** to select the code from the list.
2. Enter **1** in the Option field for sequence 20 and press **Enter**.

```

EDIX526 CTL01 From Application Fields 04/30/08 12:00:00
Application: INVOICOUT S/R: S 1=Select
Opt Rec Type No Field Name Typ Len Cde Description
--- WPEINVHDRE 5 F010.IHB2# AN 9 M BILLTO ACCT#
--- WPEINVHDRE 10 F010.IHINV# AN 10 M INVOICE #
--- WPEINVHDRE 15 F010.IHCRDB AN 1 M CREDIT/DEBIT FLAG:C OR BLANK
--- WPEINVHDRE 20 F010.IHINDT CY 8 M INVOICE DATE
--- WPEINVHDRE 25 F010.IHPO# AN 20 M PURCHASE ORDER #
--- WPE VHDRE 30 F010.IHPODT CY 8 M PURCHASE ORDER DATE
More...

EDIX525 CTL01 To Transaction Element Mapping
Map: INVOICOUT S/R: S 1=Select 11=Ext Map 12=Subfield 13=Codes
Seg ID: NAD NAME AND ADDRESS (Bill to) Seq. 900 Area: H
Opt Target Field Table ID Ele Sub X M Ty Description Seq ID C
--- 'BT' 1 M ID PARTY QUALIFIER 10 3035
1 2 1 M AN PARTY ID IDENTIFICATIO 20 3039
--- 2 Q ID CODE LIST QUALIFIER 30 1131
--- 3 Q ID CODE LIST RESPONSIBLE 40 3055
--- 3 1 M AN NAME AND ADDRESS LINE 50 3124
--- 2 Q AN NAME AND ADDRESS LINE 60 3124
More...
F1=Help F10=Update F12=Cancel F16=Prev Rcd F17=Next Rcd F24=More Keys
    
```

3. In the top half, enter **1** next to F010.IHB2NM and press **Enter** to populate the Target field.

```

EDIX526 CTL01 From Application Fields 04/30/08 12:00:00
Application: INVOICOUT S/R: S 1=Select
Opt Rec Type No Field Name Typ Len Cde Description
--- WPEINVHDRE 5 F010.IHB2# AN 9 M BILLTO ACCT#
--- WPEINVHDRE 10 F010.IHINV# AN 10 M INVOICE #
--- WPEINVHDRE 15 F010.IHCRDB AN 1 M CREDIT/DEBIT FLAG:C OR BLANK
1 WPEINVHDRE 20 F010.IHINDT CY 8 M INVOICE DATE
--- WPEINVHDRE 25 F010.IHPO# AN 20 M PURCHASE ORDER #
--- WPE VHDRE 30 F010.IHPODT CY 8 M PURCHASE ORDER DATE
More...

EDIX525 CTL01 To Transaction Element Mapping
Map: INVOICOUT S/R: S 1=Select 11=Ext Map 12=Subfield 13=Codes
Seg ID: NAD NAME AND ADDRESS (Bill to) Seq. 900 Area: H
Opt Target Field Table ID Ele Sub X M Ty Description Seq ID C
--- 'BT' 1 M ID PARTY QUALIFIER 10 3035
1 2 1 M AN PARTY ID IDENTIFICATIO 20 3039
--- 2 Q ID CODE LIST QUALIFIER 30 1131
--- 3 Q ID CODE LIST RESPONSIBLE 40 3055
--- 3 1 M AN NAME AND ADDRESS LINE 50 3124
--- 2 Q AN NAME AND ADDRESS LINE 60 3124
More...
F1=Help F10=Update F12=Cancel F16=Prev Rcd F17=Next Rcd F24=More Keys
    
```

```

EDIX526 CTL01 From Application Fields 04/30/08 12:00:00
Application: INVOICOUT S/R: S 1=Select
Opt Rec Type No Field Name Typ Len Cde Description
--- WPEINVHDRE 5 F010.IHB2# AN 9 M BILLTO ACCT#
--- WPEINVHDRE 10 F010.IHINV# AN 10 M INVOICE #
--- WPEINVHDRE 15 F010.IHCRDB AN 1 M CREDIT/DEBIT FLAG:C OR BLANK
--- WPEINVHDRE 20 F010.IHINDT CY 8 M INVOICE DATE
--- WPEINVHDRE 25 F010.IHPO# AN 20 M PURCHASE ORDER #
--- WPE VHDRE 30 F010.IHPODT CY 8 M PURCHASE ORDER DATE
More...

EDIX525 CTL01 To Transaction Element Mapping
Map: INVOICOUT S/R: S 1=Select 11=Ext Map 12=Subfield 13=Codes
Seg ID: NAD NAME AND ADDRESS (Bill to) Seq. 900 Area: H
Opt Target Field Table ID Ele Sub X M Ty Description Seq ID C
--- 'BT' 1 M ID PARTY QUALIFIER 10 3035
--- F010.IHB2NM 2 1 M AN PARTY ID IDENTIFICATIO 20 3039
--- 2 Q ID CODE LIST QUALIFIER 30 1131
--- 3 Q ID CODE LIST RESPONSIBLE 40 3055
--- 3 1 M AN NAME AND ADDRESS LINE 50 3124
--- 2 Q AN NAME AND ADDRESS LINE 60 3124
More...
F1=Help F10=Update F12=Cancel F16=Prev Rcd F17=Next Rcd F24=More Keys
    
```

4. Press **Page Down** to locate the street elements beginning with sequence 160.
5. Use option **1** repeatedly to map the Billto address fields into sequences 160 and 170, as shown in the figure at right, or just enter the fields.
6. Press **Page Down** to access the City element at sequence 190.
7. Use option **1** to map the Billto City and State and Postal Code fields into sequences 190, 200, and 210, as shown in the figure at right, or just enter the fields.
8. Press **F17** (Next Rcd) to update and advance to the next segment (NAD).

```

EDIX526   CTL01   From Application Fields           04/30/08  12:00:00
Application: INVOICOUT S/R: S           1=Select
Opt Rec Type No Field Name           Typ Len Cde Description
--- WPEINVHDRE 20 F010.IHINDT         CY  8  M  INVOICE DATE
--- WPEINVHDRE 25 F010.IHPO#           AN 20  M  PURCHASE ORDER #
--- WPEINVHDRE 30 F010.IHPODT         CY  8  M  PURCHASE ORDER DATE
--- WPEINVHDRE 35 F010.IHB2NM         AN 25  M  BILLTO NAME
--- WPEINVHDRE 40 F010.IHB2A1         AN 25  M  BILLTO ADDRESS LINE 1
--- WPEINVHDRE 45 F010.IHB2A2         AN 25  M  BILLTO ADDRESS LINE 2
More...

EDIX525   CTL01   To Transaction Element Mapping
Map: INVOICOUT S/R: S           1=Select 11=Ext Map 12=Subfield 13=Codes
Seg ID: NAD NAME AND ADDRESS (Bill to) Seq. 900 Area: H
Opt Target Field Table ID Ele Sub X M Ty Description           Seq ID C
---           ---           --- --- --- --- --- --- ---
---           ---           --- --- --- --- --- --- ---
---           ---           --- --- --- --- --- --- ---
--- F010.IHB2A1           ---           5  1  M  AN STREET AND NUMBER/P.O. 160 3042
--- F010.IHB2A2           ---           2  0  AN STREET AND NUMBER/P.O. 170 3042
---           ---           --- --- --- --- --- --- ---
---           ---           --- --- --- --- --- --- ---
More...

F1=Help F12=Cancel
    
```

```

EDIX526   CTL01   From Application Fields           04/30/08  12:00:00
Application: INVOICOUT S/R: S           1=Select
Opt Rec Type No Field Name           Typ Len Cde Description
--- WPEINVHDRE 50 F010.IHB2CT         AN 25  M  BILLTO CITY
--- WPEINVHDRE 55 F010.IHB2ST         AN  2  M  BILLTO STATE
--- WPEINVHDRE 60 F010.IHB2ZP         AN  9  M  BILLTO ZIP
--- WPEINVHDRE 65 F010.IHS2NM         AN 25  M  SHIPTO NAME
--- WPEINVHDRE 70 F010.IHS2A1         AN 25  M  SHIPTO ADDRESS LINE 1
--- WPEINVHDRE 75 F010.IHS2A2         AN 25  M  SHIPTO ADDRESS LINE 2
More...

EDIX525   CTL01   To Transaction Element Mapping
Map: INVOICOUT S/R: S           1=Select 11=Ext Map 12=Subfield 13=Codes
Seg ID: NAD NAME AND ADDRESS (Bill to) Seq. 900 Area: H
Opt Target Field Table ID Ele Sub X M Ty Description           Seq ID C
--- F010.IHB2CT           ---           6  0  AN CITY NAME           190 3164
--- F010.IHB2ST           ---           7  0  AN COUNTRY SUB-ENTITY IDE 200 3229
--- F010.IHB2ZP           ---           8  0  AN POSTCODE IDENTIFICATIO 210 3251
---           ---           9  0  ID COUNTRY, CODED       220 3207
More...

F1=Help F12=Cancel
Bottom
    
```

Step 15: Map the Ship To NAD Segment

1. Enter **ST** in the Target field for sequence 10 or use option **13** to select the code from the list.

```

EDIX526   CTL01   From Application Fields           04/30/08  12:00:00
Application: INVOICOUT   S/R: S   1=Select
Opt Rec Type No Field Name Typ Len Cde Description
--- WPEINVHDRE 65 F010.IHS2NM AN 25 M SHIPTO NAME
--- WPEINVHDRE 70 F010.IHS2A1 AN 25 M SHIPTO ADDRESS LINE 1
--- WPEINVHDRE 75 F010.IHS2A2 AN 25 M SHIPTO ADDRESS LINE 2
--- WPEINVHDRE 80 F010.IHS2CT AN 25 M SHIPTO CITY
--- WPEINVHDRE 85 F010.IHS2ST AN 2 M SHIPTO STATE
--- WPEINVHDRE 90 F010.IHS2ZP AN 9 M SHIPTO ZIP
More...

EDIX525   CTL01   To Transaction Element Mapping
Map: INVOICOUT   S/R: S   1=Select 11=Ext Map 12=Subfield 13=Codes
Seg ID: NAD NAME AND ADDRESS (Ship to) Seq. 910 Area: H
Opt Target Field Table ID Ele Sub X M Ty Description Seq ID C
--- 'ST' 1 M ID PARTY QUALIFIER 10 3035
1 2 1 M AN PARTY ID IDENTIFICATIO 20 3039
--- 2 Q ID CODE LIST QUALIFIER 30 1131
--- 3 Q ID CODE LIST RESPONSIBLE 40 3055
--- 3 1 M AN NAME AND ADDRESS LINE 50 3124
--- 2 Q AN NAME AND ADDRESS LINE 60 3124
More...

F1=Help F12=Cancel
    
```

2. Enter **1** in the Option field for element sequence 20 and press **Enter**.

```

EDIX526   CTL01   From Application Fields           04/30/08  12:00:00
Application: INVOICOUT   S/R: S   1=Select
Opt Rec Type No Field Name Typ Len Cde Description
1 WPEINVHDRE 65 F010.IHS2NM AN 25 M SHIPTO NAME
--- WPEINVHDRE 70 F010.IHS2A1 AN 25 M SHIPTO ADDRESS LINE 1
--- WPEINVHDRE 75 F010.IHS2A2 AN 25 M SHIPTO ADDRESS LINE 2
--- WPEINVHDRE 80 F010.IHS2CT AN 25 M SHIPTO CITY
--- WPEINVHDRE 85 F010.IHS2ST AN 2 M SHIPTO STATE
--- WPEINVHDRE 90 F010.IHS2ZP AN 9 M SHIPTO ZIP
More...

EDIX525   CTL01   To Transaction Element Mapping
Map: INVOICOUT   S/R: S   1=Select 11=Ext Map 12=Subfield 13=Codes
Seg ID: NAD NAME AND ADDRESS (Ship to) Seq. 910 Area: H
Opt Target Field Table ID Ele Sub X M Ty Description Seq ID C
--- 'ST' 1 M ID PARTY QUALIFIER 10 3035
1 2 1 M AN PARTY ID IDENTIFICATIO 20 3039
--- 2 Q ID CODE LIST QUALIFIER 30 1131
--- 3 Q ID CODE LIST RESPONSIBLE 40 3055
--- 3 1 M AN NAME AND ADDRESS LINE 50 3124
--- 2 Q AN NAME AND ADDRESS LINE 60 3124
More...

F1=Help F12=Cancel
    
```

3. In the top half, enter **1** next to F010.IHS2NM and press **Enter** to populate the Target field.
4. Press **Page Down** to locate the Street elements beginning with sequence 160.

```

EDIX526   CTL01   From Application Fields           04/30/08  12:00:00
Application: INVOICOUT   S/R: S   1=Select
Opt Rec Type No Field Name Typ Len Cde Description
--- WPEINVHDRE 65 F010.IHS2NM AN 25 M SHIPTO NAME
--- WPEINVHDRE 70 F010.IHS2A1 AN 25 M SHIPTO ADDRESS LINE 1
--- WPEINVHDRE 75 F010.IHS2A2 AN 25 M SHIPTO ADDRESS LINE 2
--- WPEINVHDRE 80 F010.IHS2CT AN 25 M SHIPTO CITY
--- WPEINVHDRE 85 F010.IHS2ST AN 2 M SHIPTO STATE
--- WPEINVHDRE 90 F010.IHS2ZP AN 9 M SHIPTO ZIP
More...

EDIX525   CTL01   To Transaction Element Mapping
Map: INVOICOUT   S/R: S   1=Select 11=Ext Map 12=Subfield 13=Codes
Seg ID: NAD NAME AND ADDRESS (Ship to) Seq. 910 Area: H
Opt Target Field Table ID Ele Sub X M Ty Description Seq ID C
--- 'ST' 1 M ID PARTY QUALIFIER 10 3035
--- F010.IHS2NM 2 1 M AN PARTY ID IDENTIFICATIO 20 3039
--- 2 Q ID CODE LIST QUALIFIER 30 1131
--- 3 Q ID CODE LIST RESPONSIBLE 40 3055
--- 3 1 M AN NAME AND ADDRESS LINE 50 3124
--- 2 Q AN NAME AND ADDRESS LINE 60 3124
More...

F1=Help F12=Cancel
    
```

- Use option **1** repeatedly to map the Shipto address fields into sequences 160 and 170, as shown in the figure at right, or just enter the fields.

```

EDIX526   CTL01   From Application Fields           04/30/08  12:00:00
Application: INVOICOUT S/R: S           1=Select
Opt Rec Type No Field Name Typ Len Cde Description
--- WPEINVHDRE 35 F010.IHB2NM AN 25 M BILLTO NAME
--- WPEINVHDRE 40 F010.IHB2A1 AN 25 M BILLTO ADDRESS LINE 1
--- WPEINVHDRE 45 F010.IHB2A2 AN 25 M BILLTO ADDRESS LINE 2
--- WPEINVHDRE 50 F010.IHB2CT AN 25 M BILLTO CITY
--- WPEINVHDRE 55 F010.IHB2ST AN 2 M BILLTO STATE
--- WPEINVHDRE 60 F010.IHB2ZP AN 9 M BILLTO ZIP
More...

EDIX525   CTL01   To Transaction Element Mapping
Map: INVOICOUT S/R: S           1=Select 11=Ext Map 12=Subfield 13=Codes
Seg ID: NAD NAME AND ADDRESS (Ship to) Seq. 910 Area: H
Opt Target Field Table ID Ele Sub X M Ty Description Seq ID C
--- --- --- --- --- --- --- --- --- --- --- --- ---
1 F010.IHB2A1 --- --- 5 1 M AN STREET AND NUMBER/P.O. 160 3042
--- F010.IHB2A2 --- --- 2 2 Q AN STREET AND NUMBER/P.O. 170 3042
--- --- --- --- --- 3 3 Q AN STREET AND NUMBER/P.O. 180 3042
More...

F1=Help F12=Cancel
    
```

- Page down** to access the City element at sequence 190.

- Use option **1** to map the Shipto City and State and Postal Code fields into sequences 190, 200, and 210, as shown in the figure at right, or just enter the fields.

```

EDIX526   CTL01   From Application Fields           04/30/08  12:00:00
Application: INVOICOUT S/R: S           1=Select
Opt Rec Type No Field Name Typ Len Cde Description
--- WPEINVHDRE 65 F010.IHS2NM AN 25 M SHIPTO NAME
--- WPEINVHDRE 70 F010.IHS2A1 AN 25 M SHIPTO ADDRESS LINE 1
--- WPEINVHDRE 75 F010.IHS2A2 AN 25 M SHIPTO ADDRESS LINE 2
--- WPEINVHDRE 80 F010.IHS2CT AN 25 M SHIPTO CITY
--- WPEINVHDRE 85 F010.IHS2ST AN 2 M SHIPTO STATE
--- WPEINVHDRE 90 F010.IHS2ZP AN 9 M SHIPTO ZIP
More...

EDIX525   CTL01   To Transaction Element Mapping
Map: INVOICOUT S/R: S           1=Select 11=Ext Map 12=Subfield 13=Codes
Seg ID: NAD NAME AND ADDRESS (Ship to) Seq. 910 Area: H
Opt Target Field Table ID Ele Sub X M Ty Description Seq ID C
--- --- --- --- --- --- --- --- --- --- --- --- ---
F010.IHB2CT --- --- 6 C AN CITY NAME 190 3164
--- F010.IHB2ST --- --- 7 C AN COUNTRY SUB-ENTITY IDE 200 3229
--- F010.IHB2ZP --- --- 8 C AN POSTCODE IDENTIFICATIO 210 3251
--- --- --- --- --- 9 C ID COUNTRY, CODED 220 3207
More...

Bottom
F1=Help F10=Update F12=Cancel F16=Prev Rcd F17=Next Rcd F24=More Keys
    
```

- Press **F17** (Next Rcd) to update and advance to the next segment (NAD).

Step 16: Map the Remit To NAD Segment

1. Enter **13** (Codes) in the Option field for sequence 10 and press **Enter**.
2. On the pop-up menu that is displayed, enter **RE** in the Position to Code Value field and press **Enter**.
3. Enter **1** next to code RE and press **Enter** to select it and populate the field.
4. Enter **1** in the Option field for sequence 20 and press **Enter**.
5. Enter **1** next to F010.IHR2NM and press **Enter** to populate the Target field.

```

EDIX526   CTL01   From Application Fields           04/30/08   12:00:00
Application: INVOICOUT   S/R: S           1=Select
Opt
-----
Position to Code Value . . . . .
1=Select
Code Value Description
-----
P4 CONTACT PARTY 4
RA CENTRAL BANK OR REGULATORY AUTHORITY
RB RECEIVING FINANCIAL INSTITUTION
1 RE PARTY TO RECEIVE COMMERCIAL INVOICE REMITTANCE
More...
-----
EDI
Map
Seg
Opt
13
-----
M ID PARTY QUALIFIER 10 3035
M AN PARTY ID IDENTIFICATIO 20 3039
O ID CODE LIST QUALIFIER 30 1131
O ID CODE LIST RESPONSIBLE 40 3055
M AN NAME AND ADDRESS LINE 50 3124
O AN NAME AND ADDRESS LINE 60 3124
More...
Fl=Help F10=Update F12=Cancel F16=Prev Rcd F17=Next Rcd F24=More Keys
    
```

```

EDIX526   CTL01   From Application Fields           04/30/08   12:00:00
Application: INVOICOUT   S/R: S           1=Select
Opt Rec Type No Field Name Typ Len Cde Description
-----
WPEINVHDRE 95 F010.IHS2LC AN 9 M SHIPTO STORE LOCATION
WPEINVHDRE 100 F010.IHSDPT AN 4 M SHIPTO DEPT #
1 WPEINVHDRE 105 F010.IHR2NM AN 25 M REMIT TO NAME
WPEINVHDRE 110 F010.IHR2A1 AN 25 M REMIT TO ADDRESS LINE
WPEINVHDRE 115 F010.IHR2A2 AN 25 M REMIT TO ADDRESS LINE
WPEINVHDRE 120 F010.IHR2CT AN 25 M REMIT TO CITY
More...

EDIX525   CTL01   To Transaction Element Mapping
Map: INVOICOUT S/R: S 1=Select 11=Ext Map 12=Subfield 13=Codes
Seg ID: NAD NAME AND ADDRESS (Remitto) Seq. 920 Area: H
Opt Target Field Table ID Ele Sub X M Ty Description Seq ID C
-----
'RE' 1 M ID PARTY QUALIFIER 10 3035
1 F010.IHR2NM 2 1 M AN PARTY ID IDENTIFICATIO 20 3039
O ID CODE LIST QUALIFIER 30 1131
O ID CODE LIST RESPONSIBLE 40 3055
M AN NAME AND ADDRESS LINE 50 3124
O AN NAME AND ADDRESS LINE 60 3124
More...
Fl=Help F10=Update F12=Cancel F16=Prev Rcd F17=Next Rcd F24=More Keys
    
```

```

EDIX526   CTL01   From Application Fields           04/30/08   12:00:00
Application: INVOICOUT   S/R: S           1=Select
Opt Rec Type No Field Name Typ Len Cde Description
-----
WPEINVHDRE 5 F010.IHB2# AN 9 M BILLTO ACCT#
WPEINVHDRE 10 F010.IHINV# AN 10 M INVOICE #
WPEINVHDRE 15 F010.IHCRDB AN 1 M CREDIT/DEBIT FLAG:C OR BLANK
WPEINVHDRE 20 F010.IHINDT CY 8 M INVOICE DATE
WPEINVHDRE 25 F010.IHPO# AN 20 M PURCHASE ORDER #
WPEINVHDRE 30 F010.IHPODT CY 8 M PURCHASE ORDER DATE
More...

EDIX525   CTL01   To Transaction Element Mapping
Map: INVOICOUT S/R: S 1=Select 11=Ext Map 12=Subfield 13=Codes
Seg ID: NAD NAME AND ADDRESS (Remitto) Seq. 920 Area: H
Opt Target Field Table ID Ele Sub X M Ty Description Seq ID C
-----
'RE' 1 M ID PARTY QUALIFIER 10 3035
F010.IHB2NM 2 1 M AN PARTY ID IDENTIFICATIO 20 3039
O ID CODE LIST QUALIFIER 30 1131
O ID CODE LIST RESPONSIBLE 40 3055
M AN NAME AND ADDRESS LINE 50 3124
O AN NAME AND ADDRESS LINE 60 3124
More...
Fl=Help F10=Update F12=Cancel F16=Prev Rcd F17=Next Rcd F24=More Keys
    
```

6. Use **Page Down** to locate the street elements beginning with sequence 160.
7. Perform the instructions used in items 4 and 5 to select the Remit To address fields to map to element sequences 160 and 170. Use the figure at right to confirm that you are selecting the correct fields.

```

EDIX526   CTL01   From Application Fields           04/30/08   12:00:00
Application: INVOICOUT   S/R: S           1=Select
Opt Rec Type No Field Name      Typ Len Cde Description
---
WPEINVHDRE 95 F010.IHS2LC        AN  9  M  SHIPTO STORE LOCATION
WPEINVHDRE 100 F010.IHSDPT       AN  4  M  SHIPTO DEPT #
WPEINVHDRE 105 F010.IHR2NM       AN 25  M  REMIT TO NAME
WPEINVHDRE 110 F010.IHR2A1       AN 25  M  REMIT TO ADDRESS LINE
WPEINVHDRE 115 F010.IHR2A2       AN 25  M  REMIT TO ADDRESS LINE
WPEINVHDRE 120 F010.IHR2CT       AN 25  M  REMIT TO CITY
More...

EDIX525   CTL01   To Transaction Element Mapping
Map: INVOICOUT   S/R: S           1=Select 11=Ext Map 12=Subfield 13=Codes
Seg ID: NAD NAME AND ADDRESS (Remitto)   Seq. 920 Area: H
Opt Target Field Table ID Ele Sub X M Ty Description      Seq ID C
---
---
---
F010.IHR2A1      5 1  M AN STREET AND NUMBER/P.O. 160 3042
F010.IHR2A2      2 2  O AN STREET AND NUMBER/P.O. 170 3042
---
---
---
F1=Help F10=Update F12=Cancel F16=Prev Rcd F17=Next Rcd F24=More Keys
    
```

8. Press **Page Down** to access sequences 190 and 200.
9. Use option **1** to select the Remit To City and State fields to map to sequences 190 and 200, as shown in the figure at right.

```

EDIX526   CTL01   From Application Fields           04/30/08   12:00:00
Application: INVOICOUT   S/R: S           1=Select
Opt Rec Type No Field Name      Typ Len Cde Description
---
WPEINVHDRE 125 F010.IHR2ST       AN  2  M  REMIT TO STATE
WPEINVHDRE 130 F010.IHR2ZP       AN  5  M  REMIT TO ZIP 5
WPEINVHDRE 135 F010.IHR2Z4       AN  4  M  REMIT TO ZIP 4 EXTENSI
WPEINVHDRE 140 F010.IHBOL#       AN 12  M  BILL OF LADING
WPEINVHDRE 145 F010.IHPRO#       AN 18  M  PRO#
WPEINVHDRE 150 F010.IHSHDT       CY  8  M  SHIP DATE
More...

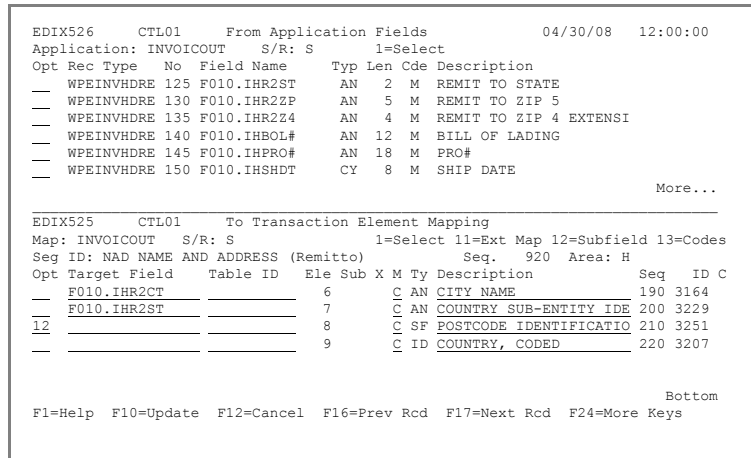
EDIX525   CTL01   To Transaction Element Mapping
Map: INVOICOUT   S/R: S           1=Select 11=Ext Map 12=Subfield 13=Codes
Seg ID: NAD NAME AND ADDRESS (Remitto)   Seq. 920 Area: H
Opt Target Field Table ID Ele Sub X M Ty Description      Seq ID C
---
F010.IHR2CT      6  C AN CITY NAME                190 3164
F010.IHR2ST      7  C AN COUNTRY SUB-ENTITY IDE 200 3229
---
---
---
F1=Help F10=Update F12=Cancel F16=Prev Rcd F17=Next Rcd F24=More Keys
Bottom
    
```

Step 17: Subfield Map the Remit To NAD Segment

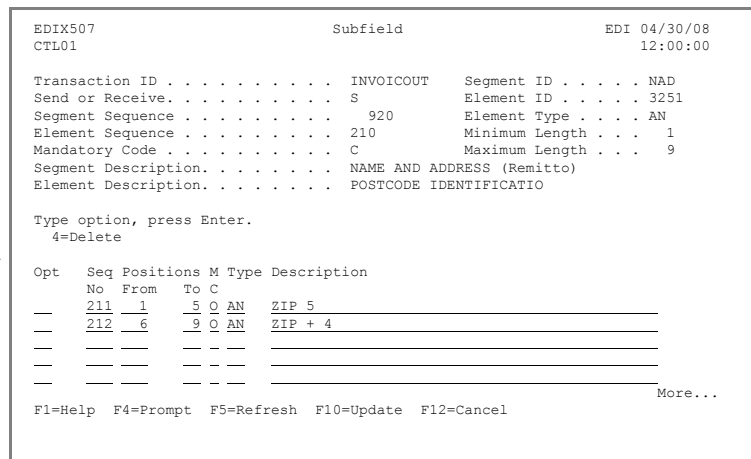
The postal code for the Remit To location consists of two fields: A five-character zip code and four character extension. These two fields can be mapped together by using subfield mapping, which allows the user to break a single element into multiple “sub-elements.” An application field, constant, or literal value can be moved into each “sub-element” and will be treated as a concatenation operation to appear as one whole element once the mapping is done.

1. Enter **12** (Subfield) in the Option field for sequence 210 (Postcode Identification) and press **Enter**.

The Subfield panel is displayed.



2. Enter **211** in the first Seq No field.
3. Enter **1** in the From field.
4. Enter **5** in the To field.
5. Enter **O** in the MC (Mandatory/ Optional) field.
6. Enter **AN** in the Type field.
7. Enter **ZIP 5** in the Description field.
8. Repeat items 2 – 7 for subfield’s sequence number 212 as shown in the figure above.
9. Press **F10** (Update) to add the two sub-elements to the map and return to the Split Screen Mapping Outbound panel.



10. **Page down** until you get back to element sequence 211.
11. Enter **F010.IHR2ZP** in the Mapping Constant/Field field for element sequence 211.
12. Enter **F010.IHR2Z4** in the Mapping Constant/Field field for element sequence 212 or use option **1** to select the fields from the top half.
13. Press **F17** (Next Rcd) to update the record and advance to the next segment (LIN).

```

EDIX526      CTL01      From Application Fields          04/30/08  12:00:00
Application: INVOICOUT S/R: S          1=Select
Opt Rec Type No Field Name      Typ Len Cde Description
WPEINVHDRE  5 F010.IHB2#        AN   9  M  BILLTO ACCT#
WPEINVHDRE 10 F010.IHINV#        AN  10  M  INVOICE #
WPEINVHDRE 15 F010.IHCRDB       AN   1  M  CREDIT/DEBIT FLAG:C OR BLANK
WPEINVHDRE 20 F010.IHINDT       CY   8  M  INVOICE DATE
WPEINVHDRE 25 F010.IHPO#        AN  20  M  PURCHASE ORDER #
WPEINVHDRE 30 F010.IHPODT       CY   8  M  PURCHASE ORDER DATE
More...

EDIX525      CTL01      To Transaction Element Mapping
Map: INVOICOUT S/R: S          1=Select 11=Ext Map 12=Subfield 13=Codes
Seg ID: NAD NAME AND ADDRESS (Remitto) Seq. 920 Area: H
Opt Target Field Table ID Ele Sub X M Ty Description      Seq ID C
--- F010.IHR2CT      6 C AN CITY NAME      190 3164
--- F010.IHR2ST      7 C AN COUNTRY SUB-ENTITY IDE 200 3229
--- F010.IHR2ZF      8 C SF POSTCODE IDENTIFICATIO 210 3251
--- F010.IHR2Z4      9 O AN ZIP 5          211
--- F010.IHR2Z4      9 O AN ZIP + 4        212
--- F010.IHR2Z4      9 C ID COUNTRY, CODED 220 3207
Bottom
F1=Help F10=Update F12=Cancel F16=Prev Rcd F17=Next Rcd F24=More Keys
    
```

Step 18: Map Element 1 of the LIN Segment

Segment LIN 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** (Ext Map) in the Option field for element 1 and press **Enter**.

The Work with Extended Mapping panel is displayed.

```

EDIX526      CTL01      From Application Fields              04/30/08  12:00:00
Application: INVOICOUT      S/R: S      1=Select
Opt Rec Type No Field Name      Typ Len Cde Description
WPEINVITME  5 F030.IDB2#      AN  9  M  BILLTO ACCT#
WPEINVITME 10 F030.IDINV#      AN 10  M  INVOICE#
WPEINVITME 15 F030.IDITEM      AN  6  M  ITEM # (OUR ITM)
WPEINVITME 20 F030.IDQTY      P0  5  M  QTY SHIPPED
WPEINVITME 25 F030.IDUPRI      P2  7  M  UNIT PRICE
WPEINVITME 30 F030.IDUOM      AN  4  M  UNIT OF MEASURE
More...

EDIX525      CTL01      To Transaction Element Mapping
Map: INVOICOUT      S/R: S      1=Select 11=Ext Map 12=Subfield 13=Codes
Seg ID: LIN LINE ITEM      Seq. 6200 Area: D
Opt Target Field      Table ID      Ele Sub X M Ty Description      Seq ID C
11 _____          _____      1   Y C NO LINE ITEM NUMBER      10 1082
_____          _____      2   C ID ACTION REQUEST/NOTIFIC      20 1229
_____          _____      3   O AN ITEM NUMBER      30 7140
_____          _____      2   O ID ITEM NUMBER TYPE, CODE      40 7143
_____          _____      3   O ID CODE LIST QUALIFIER      50 1131
_____          _____      4   O ID CODE LIST RESPONSIBLE      60 3055
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**.

The Extended Outbound Mapping panel is displayed.

```

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

Position to Segment Seq. . . . . 6200 10 For INVOICOUT 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 6200      10      0      D LIN LINE ITEM NUMBER
6200      20      0      D LIN ACTION REQUEST/NOTIFICATI
6200      30      0      D LIN ITEM NUMBER
6200      40      0      D LIN ITEM NUMBER TYPE, CODE
6200      50      0      D LIN CODE LIST QUALIFIER
6200      60      0      D LIN CODE LIST RESPONSIBLE AGE
6200      70      0      D LIN SUB-LINE INDICATOR, CODED
6200      80      0      D LIN CONFIGURATION LEVEL
6200      90      0      D LIN CONFIGURATION, CODED
More...

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

3. Enter **ACCUMULATOR-01** as the value on the Element line.
4. Enter **01** in the "Add 1 to Accumulator #" field.
5. Press **F10** (Update) to update and return to the Work with Extended Mapping panel.
6. Press **F12** (Cancel) to return to the Split Screen Mapping panel.

```

EDIX508      Extended Outbound Mapping      EDI 04/30/08
FMT01      12:00:00
Segment ID . . . . . LIN      Transaction ID . . . . . INVOICOUT
Area Code . . . . . D      Send or Receive . . . . . S
Element Number . . . . . 10      Element ID . . . . . 1082
Segment Sequence . . . . . 6200      Mapping Number . . . . . 0

Mapping of Data Element
Element . . . . . 0
Value _____ Op Value _____ Op Value _____
Element = ACCUMULATOR-01
If _____
And/Or _____ Round Element . . . . . N #DEC
Table ID . . . . . _____ Type of Table . . . . .
Add to Hash Total # . . . . . _____ Length (Minimum) . . . . . 1
Save in Constant # . . . . . _____ Length (Maximum) . . . . . 6
Add 1 to Accumulator # . . . . . 01      Group Req Cd . . . . .
User Exit Routine . . . . . _____ Related . . . . . N
Mandatory Code . . . . . C      Type . . . . . NO
Element Group . . . . . _____ Type . . . . .
Segment Description . . . . . LINE ITEM
Element Description . . . . . LINE ITEM NUMBER

F1=Help F2=More/Less F4=Prompt F10=Update F19=Appl F24=More Keys
    
```

Step 19: Map the Rest of the LIN Segment

1. Enter **F030.IDITEM** in the Target field for element sequence 30 or use option **1** to select the field from the top half.
2. Enter **BP** in the Target field for element sequence 40 or use option **13** to select the code from the list.
3. Press **F17** (Next Rcd) to update and advance to the next segment (PIA).

```

EDIX526   CTL01   From Application Fields           04/30/08  12:00:00
Application: INVOICOUT   S/R: S           1=Select
Opt Rec Type  No  Field Name      Typ Len Cde Description
WPEINVITME   5  F030.IDB2#      AN   9  M  BILLTO ACCT#
WPEINVITME  10  F030.IDINV#      AN  10  M  INVOICE#
WPEINVITME  15  F030.IDITEM      AN   6  M  ITEM # (OUR ITM)
WPEINVITME  20  F030.IDQTY       P0   5  M  QTY SHIPPED
WPEINVITME  25  F030.IDUPRI      P2   7  M  UNIT PRICE
WPEINVITME  30  F030.IDUOM       AN   4  M  UNIT OF MEASURE
More...

EDIX526   CTL01   To Transaction Element Mapping
Map: INVOICOUT   S/R: S           1=Select 11=Ext Map 12=Subfield 13=Codes
Seg ID: LIN LINE ITEM                               Seq. 6200 Area: D
Opt Target Field  Table ID  Ele Sub X M Ty Description                               Seq ID C
--- ACCUMULATOR-01  ---      1   Y C NO  LINE ITEM NUMBER                               10 1082
---                  ---      2   C ID   ACTION REQUEST/NOTIFIC                               20 1229
--- F030.IDITEM      ---      3   1   O AN  ITEM NUMBER                               30 7140
--- 'BP'            ---      2   O ID   ITEM NUMBER TYPE, CODE                               40 7143
---                  ---      3   O ID   CODE LIST QUALIFIER                               50 1131
---                  ---      4   O ID   CODE LIST RESPONSIBLE                               60 3055
More...
F1=Help F10=Update F12=Cancel F16=Prev Rcd F17=Next Rcd F24=More Keys
    
```

Step 20: Map the PIA Segment

1. Enter **5** (enclosed in single quotes) in the Target field for element 1 or use option **13** to select the code from the list.
2. Enter **F030.IDUPC#** in the Target field for element sequence 60 or use option **1** to select the field from the top half.
3. Press **Page Down**.
4. Enter **'UP'** (enclosed in single quotes) in the Target field for element sequence 70.
5. Press **F17** (Next Rcd) to update the panel and advance to the next segment (IMD).

```

EDIX526 CTL01 From Application Fields 04/30/08 12:00:00
Application: INVOICOUT S/R: S 1=Select
Opt Rec Type No Field Name Typ Len Cde Description
WPEINVITME 5 F030.IDB2# AN 9 M BILLTO ACCT#
WPEINVITME 10 F030.IDINV# AN 10 M INVOICE#
WPEINVITME 15 F030.IDITEM AN 6 M ITEM # (OUR ITM)
WPEINVITME 20 F030.IDQTY P0 5 M QTY SHIPPED
WPEINVITME 25 F030.IDUPRI P2 7 M UNIT PRICE
WPEINVITME 30 F030.IDUOM AN 4 M UNIT OF MEASURE
More...

EDIX525 CTL01 To Transaction Element Mapping
Map: INVOICOUT S/R: S 1=Select 11=Ext Map 12=Subfield 13=Codes
Seg ID: PIA ADDITIONAL PRODUCT ID Seq. 6300 Area: D
Opt Target Field Table ID Ele Sub X M Ty Description Seq ID C
'5' 1 M ID PRODUCT ID FUNCTION QU 10 4347
2 1 Q AN ITEM NUMBER 20 7140
2 Q ID ITEM NUMBER TYPE, CODE 30 7143
3 Q ID CODE LIST QUALIFIER 40 1131
4 Q ID CODE LIST RESPONSIBLE 50 3055
F030.IDUPC# 3 1 Q AN ITEM NUMBER 60 7140
More...
F1=Help F10=Update F12=Cancel F16=Prev Rcd F17=Next Rcd F24=More Keys
    
```

```

EDIX526 CTL01 From Application Fields 04/30/08 12:00:00
Application: INVOICOUT S/R: S 1=Select
Opt Rec Type No Field Name Typ Len Cde Description
WPEINVITME 5 F030.IDB2# AN 9 M BILLTO ACCT#
WPEINVITME 10 F030.IDINV# AN 10 M INVOICE#
WPEINVITME 15 F030.IDITEM AN 6 M ITEM # (OUR ITM)
WPEINVITME 20 F030.IDQTY P0 5 M QTY SHIPPED
WPEINVITME 25 F030.IDUPRI P2 7 M UNIT PRICE
WPEINVITME 30 F030.IDUOM AN 4 M UNIT OF MEASURE
More...

EDIX525 CTL01 To Transaction Element Mapping
Map: INVOICOUT S/R: S 1=Select 11=Ext Map 12=Subfield 13=Codes
Seg ID: PIA ADDITIONAL PRODUCT ID Seq. 6300 Area: D
Opt Target Field Table ID Ele Sub X M Ty Description Seq ID C
'UP' 2 Q ID ITEM NUMBER TYPE, CODE 70 7143
3 Q ID CODE LIST QUALIFIER 80 1131
4 Q ID CODE LIST RESPONSIBLE 90 3055
4 1 Q AN ITEM NUMBER 100 7140
2 Q ID ITEM NUMBER TYPE, CODE 110 7143
3 Q ID CODE LIST QUALIFIER 120 1131
More...
F1=Help F10=Update F12=Cancel F16=Prev Rcd F17=Next Rcd F24=More Keys
    
```

Step 21: Map the IMD Segment

1. Enter **F** (enclosed in single quotes) in the Target field for element 1 or use option **13** to select the code from a list.

```

EDIX526 CTL01 From Application Fields 04/30/08 12:00:00
Application: INVOICOUT S/R: S 1=Select
Opt Rec Type No Field Name Typ Len Cde Description
WPEINVITME 5 F030.IDB2# AN 9 M BILLTO ACCT#
WPEINVITME 10 F030.IDINV# AN 10 M INVOICE#
WPEINVITME 15 F030.IDITEM AN 6 M ITEM # (OUR ITM)
WPEINVITME 20 F030.IDQTY P0 5 M QTY SHIPPED
WPEINVITME 25 F030.IDUPRI P2 7 M UNIT PRICE
WPEINVITME 30 F030.IDUOM AN 4 M UNIT OF MEASURE
More...

EDIX525 CTL01 To Transaction Element Mapping
Map: INVOICOUT S/R: S 1=Select 11=Ext Map 12=Subfield 13=Codes
Seg ID: IMD ITEM DESCRIPTION Seq. 6400 Area: D
Opt Target Field Table ID Ele Sub X M Ty Description Seq ID C
-- 'F' 1 C ID ITEM DESCRIPTION TYPE, 10 7077
-- 2 C ID ITEM CHARACTERISTIC, C 20 7081
-- 3 1 Q AN ITEM DESCRIPTION IDENT 30 7009
-- 2 Q ID CODE LIST QUALIFIER 40 1131
-- 3 Q ID CODE LIST RESPONSIBLE 50 3055
1 4 Q AN ITEM DESCRIPTION 60 7008
More...
F1=Help F10=Update F12=Cancel F16=Prev Rcd F17=Next Rcd F24=More Keys
    
```

2. Enter **1** in the Option field for element sequence 60 and press **Enter**.

```

EDIX526 CTL01 From Application Fields 04/30/08 12:00:00
Application: INVOICOUT S/R: S 1=Select
Opt Rec Type No Field Name Typ Len Cde Description
WPEINVITME 35 F030.IDUPC# AN 12 M UPC #
1 WPEINVITME 40 F030.IDIDSC AN 30 M ITEM DESCRIPTION
More...

EDIX525 CTL01 To Transaction Element Mapping
Map: INVOICOUT S/R: S 1=Select 11=Ext Map 12=Subfield 13=Codes
Seg ID: IMD ITEM DESCRIPTION Seq. 6400 Area: D
Opt Target Field Table ID Ele Sub X M Ty Description Seq ID C
-- 'F' 1 C ID ITEM DESCRIPTION TYPE, 10 7077
-- 2 C ID ITEM CHARACTERISTIC, C 20 7081
-- 3 1 Q AN ITEM DESCRIPTION IDENT 30 7009
-- 2 Q ID CODE LIST QUALIFIER 40 1131
-- 3 Q ID CODE LIST RESPONSIBLE 50 3055
1 4 Q AN ITEM DESCRIPTION 60 7008
More...
F1=Help F10=Update F12=Cancel F16=Prev Rcd F17=Next Rcd F24=More Keys
    
```

3. Enter **1** next to F030.IDIDSC and press **Enter** to populate the Target field.

```

EDIX526 CTL01 From Application Fields 04/30/08 12:00:00
Application: INVOICOUT S/R: S 1=Select
Opt Rec Type No Field Name Typ Len Cde Description
WPEINVITME 35 F030.IDUPC# AN 12 M UPC #
WPEINVITME 40 F030.IDIDSC AN 30 M ITEM DESCRIPTION
More...

EDIX525 CTL01 To Transaction Element Mapping
Map: INVOICOUT S/R: S 1=Select 11=Ext Map 12=Subfield 13=Codes
Seg ID: IMD ITEM DESCRIPTION Seq. 6400 Area: D
Opt Target Field Table ID Ele Sub X M Ty Description Seq ID C
-- 'F' 1 C ID ITEM DESCRIPTION TYPE, 10 7077
-- 2 C ID ITEM CHARACTERISTIC, C 20 7081
-- 3 1 Q AN ITEM DESCRIPTION IDENT 30 7009
-- 2 Q ID CODE LIST QUALIFIER 40 1131
-- 3 Q ID CODE LIST RESPONSIBLE 50 3055
-- F030.IDIDSC 4 Q AN ITEM DESCRIPTION 60 7008
More...
F1=Help F10=Update F12=Cancel F16=Prev Rcd F17=Next Rcd F24=More Keys
    
```

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

Step 22: Map the QTY Segment

1. Enter `'113'` (enclosed in single quotes) in the Target field for element 1, sub-element 1, or use option **13** to select the code from the list.
2. Enter **F030.IDQTY** in the Target field for element sequence 20 or use option **1** to select the field from the top half.
3. Enter **F030.IDUOM** in the Target field for sequence 30 or use option **1** to select the field from the top half.
4. With the cursor positioned on the Table ID field for sequence 30, press **F4** (Prompt) to see the list of available tables.
5. On the pop-up menu, enter **1** in the field next to the UOM6411 table and press **Enter** to select it and populate the field.
6. Press **F17** to advance to the next segment (PRI).
7. Press **F17** again to bypass the warning message for the F030.IDUOM field and continue with the next segment (PRI).

```

EDIX526 CTL01 From Application Fields 04/30/08 12:00:00
Application: INVOICOUT S/R: S 1=Select
Opt Rec Type No Field Name Typ Len Cde Description
WPEINVITME 5 F030.IDB2# AN 9 M BILLTO ACCT#
WPEINVITME 10 F030.IDINV# AN 10 M INVOICE#
WPEINVITME 15 F030.IDITEM AN 6 M ITEM # (OUR ITM)
WPEINVITME 20 F030.IDQTY P0 5 M QTY SHIPPED
WPEINVITME 25 F030.IDUPRI P2 7 M UNIT PRICE
WPEINVITME 30 F030.IDUOM AN 4 M UNIT OF MEASURE
More...

EDIX525 CTL01 To Transaction Element Mapping
Map: INVOICOUT S/R: S 1=Select 11=Ext Map 12=Subfield 13=Codes
Seg ID: QTY QUANTITY Seq. 6600 Area: D
Opt Target Field Table ID Ele Sub X M Ty Description Seq ID C
--- '113' --- 1 1 M ID QUANTITY QUALIFIER 10 6063
--- F030.IDQTY --- 2 M R QUANTITY 20 6060
--- F030.IDUOM --- 3 Q ID MEASURE UNIT QUALIFIER 30 6411
More...

F1=Help F10=Update F12=Cancel F16=Prev Rcd F17=Next Rcd F24=More Keys
    
```

```

EDIX526 CTL01 From Application Fields 04/30/08 12:00:00
Application: INVOICOUT S/R: S 1=Select
Opt Rec Type No Field Name Typ Len Cde Description
WPEINVITME 5 F030.IDB2# AN 9 M BILLTO ACCT#

Position to Table ID . . . . .
1=Select
Table ID Type Description Last Update Date User
--- UNITMEAS1 C Internal t EDI UOM (tutorial 1) 04-30-08 EDI
--- UNITMEAS2 C Internal to EDI unit of measure 04-30-08 EDI
1 UOM6411 C Unit of Measure Edifact(elem# 6411) 04-30-08 DSH
More...

F1=Help F3=Exit F12=Cancel F15=Sort

--- F030.IDUOM --- 3 Q ID MEASURE UNIT QUALIFIER 30 6411
More...

F1=Help F10=Update F12=Cancel F16=Prev Rcd F17=Next Rcd F24=More Keys
    
```

```

EDIX526 CTL01 From Application Fields 04/30/08 12:00:00
Application: INVOICOUT S/R: S 1=Select
Opt Rec Type No Field Name Typ Len Cde Description
WPEINVITME 5 F030.IDB2# AN 9 M BILLTO ACCT#
WPEINVITME 10 F030.IDINV# AN 10 M INVOICE#
WPEINVITME 15 F030.IDITEM AN 6 M ITEM # (OUR ITM)
WPEINVITME 20 F030.IDQTY P0 5 M QTY SHIPPED
WPEINVITME 25 F030.IDUPRI P2 7 M UNIT PRICE
WPEINVITME 30 F030.IDUOM AN 4 M UNIT OF MEASURE
More...

EDIX525 CTL01 To Transaction Element Mapping
Map: INVOICOUT S/R: S 1=Select 11=Ext Map 12=Subfield 13=Codes
Seg ID: QTY QUANTITY Seq. 6600 Area: D
Opt Target Field Table ID Ele Sub X M Ty Description Seq ID C
--- '113' --- 1 1 M ID QUANTITY QUALIFIER 10 6063
--- F030.IDQTY --- 2 M R QUANTITY 20 6060
--- F030.IDUOM UOM6411 3 Q ID MEASURE UNIT QUALIFIER 30 6411
More...

F1=Help F10=Update F12=Cancel F16=Prev Rcd F17=Next Rcd F24=More Keys
    
```

Step 23: Map the PRI Segment

1. Enter **1** in the Option field for element 1, sub-element 2, and press **Enter**.

```

EDIX526 CTL01 From Application Fields 04/30/08 12:00:00
Application: INVOICOUT S/R: S 1=Select
Opt Rec Type No Field Name Typ Len Cde Description
WPEINVITME 5 F030.IDB2# AN 9 M BILLTO ACCT#
WPEINVITME 10 F030.IDINV# AN 10 M INVOICE#
WPEINVITME 15 F030.IDITEM AN 6 M ITEM # (OUR ITM)
WPEINVITME 20 F030.IDQTY P0 5 M QTY SHIPPED
WPEINVITME 25 F030.IDUPRI P2 7 M UNIT PRICE
WPEINVITME 30 F030.IDUOM AN 4 M UNIT OF MEASURE
More...

EDIX 5 CTL01 To Transaction Element Mapping
Map: INVOICOUT S/R: S 1=Select 11=Ext Map 12=Subfield 13=Codes
Seg ID: PRI PRICE DETAILS Seq. 8100 Area: D
Opt Target Field Table ID Ele Sub X M Ty Description Seq ID C
1 1 M ID PRICE QUALIFIER 10 5125
1 2 O R PRICE 20 5118
3 O ID PRICE TYPE, CODED 30 5375
4 O ID PRICE TYPE QUALIFIER 40 5387
5 O R UNIT PRICE BASIS 50 5284
6 O ID MEASURE UNIT QUALIFIER 60 6411
More...
F1=Help F10=Update F12=Cancel F16=Prev Rcd F17=Next Rcd F24=More Keys
    
```

2. Enter **1** next to the field F030.IDUPRI and press **Enter** to populate the Target field.

```

EDIX526 CTL01 From Application Fields 04/30/08 12:00:00
Application: INVOICOUT S/R: S 1=Select
Opt Rec Type No Field Name Typ Len Cde Description
WPEINVITME 5 F030.IDB2# AN 9 M BILLTO ACCT#
WPEINVITME 10 F030.IDINV# AN 10 M INVOICE#
WPEINVITME 15 F030.IDITEM AN 6 M ITEM # (OUR ITM)
WPEINVITME 20 F030.IDQTY P0 5 M QTY SHIPPED
1 WPEINVITME 25 F030.IDUPRI P2 7 M UNIT PRICE
WPEINVITME 30 F030.IDUOM AN 4 M UNIT OF MEASURE
More...

EDIX 5 CTL01 To Transaction Element Mapping
Map: INVOICOUT S/R: S 1=Select 11=Ext Map 12=Subfield 13=Codes
Seg ID: PRI PRICE DETAILS Seq. 8100 Area: D
Opt Target Field Table ID Ele Sub X M Ty Description Seq ID C
1 1 M ID PRICE QUALIFIER 10 5125
1 2 O R PRICE 20 5118
3 O ID PRICE TYPE, CODED 30 5375
4 O ID PRICE TYPE QUALIFIER 40 5387
5 O R UNIT PRICE BASIS 50 5284
6 O ID MEASURE UNIT QUALIFIER 60 6411
More...
F1=Help F10=Update F12=Cancel F16=Prev Rcd F17=Next Rcd F24=More Keys
    
```

3. Press **F17** (Next Rcd) to update and advance to the next segment (UNS).

```

EDIX526 CTL01 From Application Fields 04/30/08 12:00:00
Application: INVOICOUT S/R: S 1=Select
Opt Rec Type No Field Name Typ Len Cde Description
WPEINVITME 5 F030.IDB2# AN 9 M BILLTO ACCT#
WPEINVITME 10 F030.IDINV# AN 10 M INVOICE#
WPEINVITME 15 F030.IDITEM AN 6 M ITEM # (OUR ITM)
WPEINVITME 20 F030.IDQTY P0 5 M QTY SHIPPED
WPEINVITME 25 F030.IDUPRI P2 7 M UNIT PRICE
WPEINVITME 30 F030.IDUOM AN 4 M UNIT OF MEASURE
More...

EDIX 5 CTL01 To Transaction Element Mapping
Map: INVOICOUT S/R: S 1=Select 11=Ext Map 12=Subfield 13=Codes
Seg ID: PRI PRICE DETAILS Seq. 8100 Area: D
Opt Target Field Table ID Ele Sub X M Ty Description Seq ID C
F030.IDUPRI 1 1 M ID PRICE QUALIFIER 10 5125
2 O R PRICE 20 5118
3 O ID PRICE TYPE, CODED 30 5375
4 O ID PRICE TYPE QUALIFIER 40 5387
5 O R UNIT PRICE BASIS 50 5284
6 O ID MEASURE UNIT QUALIFIER 60 6411
More...
F1=Help F10=Update F12=Cancel F16=Prev Rcd F17=Next Rcd F24=More Keys
    
```

Step 24: Map the UNS Segment

1. Enter **'S'** (enclosed in single quotes) in the Target field for element 1.
2. Press **F17** (Next Rcd) to update the segment and advance to the next segment (CNT).

```

EDIX526   CTL01   From Application Fields           04/30/08  12:00:00
Application: INVOICOUT   S/R: S           1=Select
Opt Rec Type No Field Name      Typ Len Cde Description
WPEINVSUME  5 F040.ISB2#       AN  9  M  BILLTO ACCT#
WPEINVSUME 10 F040.ISINV#       AN 10  M  INVOICE#
WPEINVSUME 15 F040.ISTAMT      P2  5  M  TOTAL AMOUNT
WPEINVSUME 20 F040.ISTQTY      P0  4  M  TOTAL QTY SHIPPED

-----
EDIX525   CTL01   To Transaction Element Mapping
Map: INVOICOUT   S/R: S           1=Select 11=Ext Map 12=Subfield 13=Codes
Seg ID: UNS SECTION CONTROL                               Seq. 12800 Area: S
Opt Target Field  Table ID  Ele Sub X M Ty Description                               Seq  ID C
--  'S'           -----  -  -  -  -  -  -  -  -  -  -  -  -  -  -  -  -  -  -  -  -  -  -  -
Bottom
F1=Help  F10=Update  F12=Cancel  F16=Prev Rcd  F17=Next Rcd  F24=More Keys
    
```

Step 25: Map the CNT Segment

The CNT 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 **13** (Codes) in the Option field for sequence 10 and press **Enter**.
2. Enter **1** next to code 2 and press **Enter** to select it and populate the field.

```

EDIX526   CTL01   From Application Fields           04/30/08  12:00:00
Application: INVOICOUT   S/R: S           1=Select
Opt
-----
Position to Code Value . . . . .
1=Select
Code Value Description
--  17  DECLARED TOTAL CUSTOMS VALUE
--  18  TOTAL REPORTED QUANTITY IN NET WEIGHT
--  19  TOTAL REPORTED QUANTITY IN SUPPLEMENTARY UNITS
1  2  NUMBER OF LINE ITEMS IN MESSAGE
More...  -
-----
EDI      F1=Help  F3=Exit  F12=Cancel
Map
Seg
Opt
13 ----- 1 1  M ID CONTROL QUALIFIER 10 6069
----- 2  M R CONTROL VALUE 20 6066
----- 3  Q ID MEASURE UNIT QUALIFIER 30 6411
-----
Bottom
F1=Help  F10=Update  F12=Cancel  F16=Prev Rcd  F17=Next Rcd  F24=More Keys
    
```

3. Enter **ACCUMULATOR-01** in the Target field for sequence 20.
4. Press **F17** (Next Rcd) to update the segment and advance to segment MOA.

```

EDIX526   CTL01   From Application Fields           04/30/08  12:00:00
Application: INVOICOUT   S/R: S           1=Select
Opt Rec Type No Field Name      Typ Len Cde Description
WPEINVSUME  5 F040.ISB2#       AN  9  M  BILLTO ACCT#
WPEINVSUME 10 F040.ISINV#       AN 10  M  INVOICE#
WPEINVSUME 15 F040.ISTAMT      P2  5  M  TOTAL AMOUNT
WPEINVSUME 20 F040.ISTQTY      P0  4  M  TOTAL QTY SHIPPED

-----
EDIX525   CTL01   To Transaction Element Mapping
Map: INVOICOUT   S/R: S           1=Select 11=Ext Map 12=Subfield 13=Codes
Seg ID: CNT CONTROL TOTAL                               Seq. 12900 Area: S
Opt Target Field  Table ID  Ele Sub X M Ty Description                               Seq  ID C
--  '2'           -----  -  -  -  -  -  -  -  -  -  -  -  -  -  -  -  -  -  -  -  -  -  -  -
--  ACCUMULATOR-01  -----  1  1  M ID CONTROL QUALIFIER 10 6069
--  -----  2  M R CONTROL VALUE 20 6066
--  -----  3  Q ID MEASURE UNIT QUALIFIER 30 6411
-----
Bottom
F1=Help  F10=Update  F12=Cancel  F16=Prev Rcd  F17=Next Rcd  F24=More Keys
    
```

Step 26: Map the MOA Segment

1. Enter **128** (enclosed in single quotes) in the Target field for sequence 10 or use option **13** to select the code from the list.
2. Enter **1** in the Option field for sequence 20 and press **Enter**.

```

EDIX526      CTL01      From Application Fields      04/30/08      12:00:00
Application: INVOICOUT S/R: S      1=Select
Opt Rec Type No Field Name      Typ Len Cde Description
WPEINVSUME  5 F040.ISB2#      AN   9  M  BILLTO ACCT#
WPEINVSUME 10 F040.ISINV#      AN  10  M  INVOICE#
WPEINVSUME 15 F040.ISTAMT      P2   5  M  TOTAL AMOUNT
WPEINVSUME 20 F040.ISTQTY      P0   4  M  TOTAL QTY SHIPPED

-----
EDIX525      CTL01      To Transaction Element Mapping
Map: INVOICOUT S/R: S      1=Select 11=Ext Map 12=Subfield 13=Codes
Seg ID: MOA MONETARY AMOUNT      Seq. 13000 Area: S
Opt Target Field      Table ID      Ele Sub X M Ty Description      Seq ID C
-----
1  '128'              _____      1   1  M  ID  MONETARY AMOUNT TYPE Q      10 5025
1  _____              _____      2   2  Q  R  MONETARY AMOUNT              20 5004
1  _____              _____      3   3  Q  AN CURRENCY, CODED              30 6345
1  _____              _____      4   4  Q  ID CURRENCY QUALIFIER              40 6343
1  _____              _____      5   5  Q  ID  STATUS, CODED              50 4405

-----
Bottom
F1=Help F10=Update F12=Cancel F16=Prev Rcd F17=Next Rcd F24=More Keys
    
```

3. In the top half of the screen, enter **1** in the Option field next to F040.ISTAMT and press **Enter** to select it and populate the Target field.

```

EDIX526      CTL01      From Application Fields      04/30/08      12:00:00
Application: INVOICOUT S/R: S      1=Select
Opt Rec Type No Field Name      Typ Len Cde Description
WPEINVSUME  5 F040.ISB2#      AN   9  M  BILLTO ACCT#
WPEINVSUME 10 F040.ISINV#      AN  10  M  INVOICE#
1  WPEINVSUME 15 F040.ISTAMT      P2   5  M  TOTAL AMOUNT
WPEINVSUME 20 F040.ISTQTY      P0   4  M  TOTAL QTY SHIPPED

-----
EDIX525      CTL01      To Transaction Element Mapping
Map: INVOICOUT S/R: S      1=Select 11=Ext Map 12=Subfield 13=Codes
Seg ID: MOA MONETARY AMOUNT      Seq. 13000 Area: S
Opt Target Field      Table ID      Ele Sub X M Ty Description      Seq ID C
-----
1  '128'              _____      1   1  M  ID  MONETARY AMOUNT TYPE Q      10 5025
1  _____              _____      2   2  Q  R  MONETARY AMOUNT              20 5004
1  _____              _____      3   3  Q  AN CURRENCY, CODED              30 6345
1  _____              _____      4   4  Q  ID CURRENCY QUALIFIER              40 6343
1  _____              _____      5   5  Q  ID  STATUS, CODED              50 4405

-----
Bottom
F1=Help F10=Update F12=Cancel F16=Prev Rcd F17=Next Rcd F24=More Keys
    
```

4. Press **Enter** to update.
5. 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: INVOICOUT S/R: S      1=Select
Opt Rec Type No Field Name      Typ Len Cde Description
WPEINVSUME  5 F040.ISB2#      AN   9  M  BILLTO ACCT#
WPEINVSUME 10 F040.ISINV#      AN  10  M  INVOICE#
WPEINVSUME 15 F040.ISTAMT      P2   5  M  TOTAL AMOUNT
WPEINVSUME 20 F040.ISTQTY      P0   4  M  TOTAL QTY SHIPPED

-----
EDIX525      CTL01      To Transaction Element Mapping
Map: INVOICOUT S/R: S      1=Select 11=Ext Map 12=Subfield 13=Codes
Seg ID: MOA MONETARY AMOUNT      Seq. 13000 Area: S
Opt Target Field      Table ID      Ele Sub X M Ty Description      Seq ID C
-----
1  '128'              _____      1   1  M  ID  MONETARY AMOUNT TYPE Q      10 5025
1  F040.ISTAMT        _____      2   2  Q  R  MONETARY AMOUNT              20 5004
1  _____              _____      3   3  Q  AN CURRENCY, CODED              30 6345
1  _____              _____      4   4  Q  ID CURRENCY QUALIFIER              40 6343
1  _____              _____      5   5  Q  ID  STATUS, CODED              50 4405

-----
Bottom
F1=Help F10=Update F12=Cancel F16=Prev Rcd F17=Next Rcd F24=More Keys
    
```

Step 27: View a Code Translation Table

Gentran:Server enables 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 the QTY Segment**, you used an existing table called UOM6411, 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 the UOM6411 table.

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

The Work with Tables panel is displayed.

```

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
--- 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   P
--- 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
--- FOMAP4010  R   SEMPOAPPL Purchase Order Inbound 004010         EDI    P
--- SEMINMAP1  S   SEMINAPPL SEMINAR 810 OUTBOUND MAP 2040         CSG   P
More...

Parameters or command
====>
F1=Help  F6=More/Less  F12=Cancel  F15=Sort  F23=More Options  F24=More Keys

```

2. Enter **12** (Table) in the Option field next to UOM6411 to see the values included in this table and press **Enter**.

The Code Translation panel is displayed.

```

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
12
--- SEMVALID  V   TRANSACTION TYPE CODE TABLE
--- STOCKCODE C   CONVERT STOCK CODES
--- UNITMEAS  C   Internal to EDI unit of measure
--- UNITMEAS1 C   Internal t EDI UOM (tutorial 1)
--- UNITMEAS2 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 table, press **F12** (Cancel) until you return to the GENMAIN menu.

```

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

Table ID . . . . . UOM6411
Position to STD Code

Type option, press Enter.
  4=Delete

Opt Standard  Application Standard Code Description
  Code        Code
--- DZN        DOZN        DOZEN
--- FOT 1      FOOT        FEET
--- GRM        GRAM        GRAM
--- INH        INCH        INCH

More...

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

```

Step 28: 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. Now that your map is complete, you will update the partner to use your own map. To access the Work with Partners subsystem:

1. Enter **1** on the command line and press **Enter**.

The Work with Partners 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

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 (COFFEE DIST) and press **Enter**.

The Work with Partner Transactions 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
-----
  1GENTRAN-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)
  12 COFFEE DIST                COFFEE DIST - Tutorial Partner
  C13579                        International Parts & Service
  C24680                        C24680
  ICS-PARTNER                    Example of an ICS Partner
  INSPARTNER                    INSPARTNER

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

3. Enter **2** (Revise) in the Option field for transaction ID INVOIC and press **Enter**.

The Partner Transaction panel is displayed.

```

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

Position to Tran ID ____ For COFFEE DIST

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

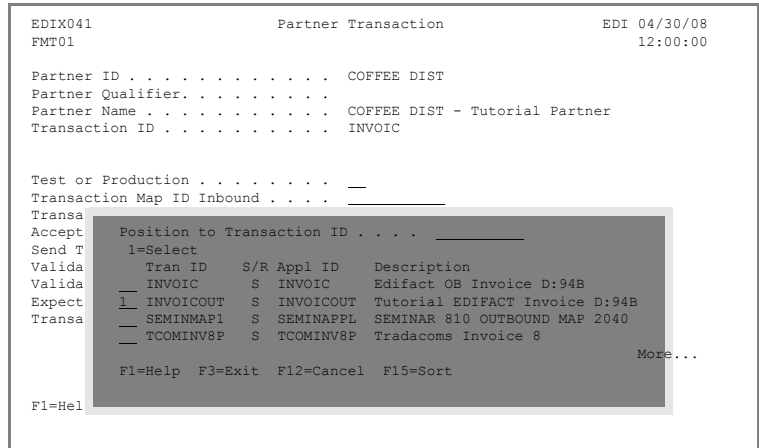
Opt Tran ID In Map      Out Map
-----
  !!!DFT
  CONTRL
  2  INVOIC
  ORDERS

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

4. Press **F4** (Prompt) while on the Transaction Map ID Outbound field.

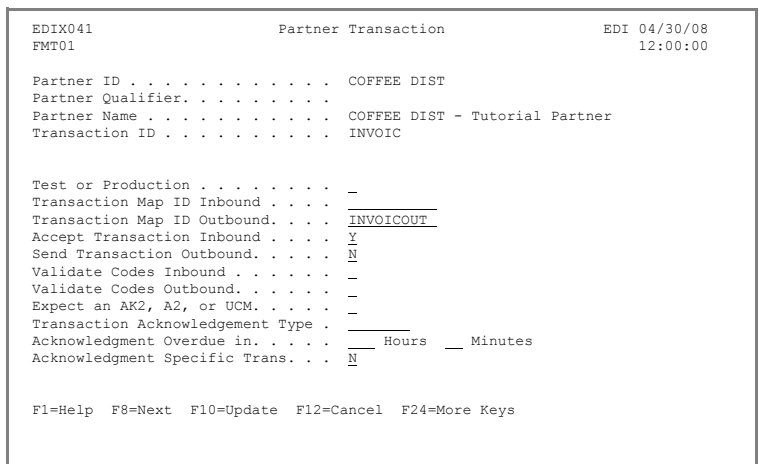
A pop-up window is displayed showing the available maps.

5. Enter **1** beside the map you just created (INVOICOUT) and press **Enter** to populate the field.



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

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



You have now completed the outbound transaction map for EDIFACT — congratulations!

Where to go next: Go to Chapter 11, “Outbound Processing,” and follow the step-by-step instructions.

11 Outbound Processing

In this Chapter

In this chapter, you will accomplish the following:

- 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, enter **10** (Processing menu) on the GENMAIN menu and press **Enter**. Alternatively, enter **GO GENPRC** on the command line and press **Enter**.

The Gentran:Server Processing menu (GENPRC) 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
====> 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 (PRCTRNOU), enter **1** (Process Outbound Files) on the command line on the GENPRC menu and press **Enter**.

The Process Transactions Outbound (PRCTRNOU) panel is displayed.

```

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

  1. Process Outbound Files (PRCTRNOU)
  2. Process Inbound Files (PRCTRIN)
  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 (RRVAT)
 11. Print VAT Reports (PRVAT)
 12. TRADACOMS Standards Selective Download (DWNSTDTC)
 13. Replace Characters (RPLCHARS)

More...

Selection or command
====> 1

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

Step 2: Perform Outbound Processing

1. Enter the name of the application definition you created earlier (INVOICOUT) in the Application ID field.
2. Press **Enter** to submit the processing to batch.
3. Press **F12** (Cancel) to return to the GENMAIN menu.

```

                                Process Transactions Outbound (PRCTRNOU)

Type choices, press Enter.

Application Data ID . . . . . INVOICOUT 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 and pressing 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
==> 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 (PRMSGCTR)
5. Print Message Center Job Detail (PRMSGDTL)
6. Purge Message Center Files (PRMSGCTR)
7. Retrieve Message Center Files (RTVMSGCTR)
90. Sign off

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 4: Display Message Center Details for Job

Jobs are shown in descending date/time sequence, so the PRCTRNOU job shown at the top of the list should be the job you most recently 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             Date           Time   Job Name  Number
--- PRCTRNOU     16 Map Info/Edt Halt 04/30/08 12:00:00 PRCTRNOU 181580
--- PRCTRNRN     08 Map Err./Edt Info 04/30/08 12:00:00 PRCTRNRN 181139
--- PRCTRNOU     16 Map Info/Edt Halt 04/30/08 12:00:00 PRCTRNOU 180635
--- PRCTRNRN     00 Completed Normal 04/30/08 12:00:00 PRCTRNRN 173238
--- PRCTRNRN     00 Completed Normal 04/30/08 12:00:00 PRCTRNRN 172087
--- EXTRACT      00 Completed Normal 04/30/08 12:00:00 QPADEV0005 171898
--- EXTRACT      00 Completed Normal 04/30/08 12:00:00 QPADEV0005 171898
--- EXTRACT      00 Completed Normal 04/30/08 12:00:00 QPADEV0005 171898
--- EXTRACT      00 Completed Normal 04/30/08 12:00:00 QPADEV0005 171898
--- EXTRACT      00 Completed Normal 04/30/08 12:00:00 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 have 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             Date           Time   Job Name  Number
--- PRCTRNOU     16 Map Info/Edt Halt 04/30/08 12:00:00 PRCTRNOU 181580
   User EDI      Cmd Name PRCTRNOU   Sts Complete  Msg Seq#   183
--- PRCTRNRN     08 Map Err./Edt Info 04/30/08 12:00:00 PRCTRNRN 181139
   User EDI      Cmd Name PRCTRNRN   Sts Complete  Msg Seq#   182
--- PRCTRNOU     16 Map Info/Edt Halt 04/30/08 12:00:00 PRCTRNOU 180635
   User EDI      Cmd Name PRCTRNOU   Sts Complete  Msg Seq#   181
--- PRCTRNRN     00 Completed Normal 04/30/08 12:00:00 PRCTRNRN 173238
   User EDI      Cmd Name PRCTRNRN   Sts Complete  Msg Seq#   180
--- PRCTRNRN     00 Completed Normal 04/30/08 12:00:00 PRCTRNRN 172087
   User EDI      Cmd Name PRCTRNRN   Sts Complete  Msg Seq#   179
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 PRCTRNOU 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             Date           Time   Job Name  Number
11 PRCTRNOU     16 Map Info/Edt Halt 04/30/08 12:00:00 PRCTRNOU 181580
   User EDI      Cmd Name PRCTRNOU   Sts Complete  Msg Seq#   183
--- PRCTRNRN     08 Map Err./Edt Info 04/30/08 12:00:00 PRCTRNRN 181139
   User EDI      Cmd Name PRCTRNRN   Sts Complete  Msg Seq#   182
--- PRCTRNOU     16 Map Info/Edt Halt 04/30/08 12:00:00 PRCTRNOU 180635
   User EDI      Cmd Name PRCTRNOU   Sts Complete  Msg Seq#   181
--- PRCTRNRN     00 Completed Normal 04/30/08 12:00:00 PRCTRNRN 173238
   User EDI      Cmd Name PRCTRNRN   Sts Complete  Msg Seq#   180
--- PRCTRNRN     00 Completed Normal 04/30/08 12:00:00 PRCTRNRN 172087
   User EDI      Cmd Name PRCTRNRN   Sts Complete  Msg Seq#   179
More...

Parameters or command
===>
F1=Help F6=More/Less F12=Cancel F15=Sort F23=More Options F24=More Keys
    
```

- 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 . . . . . PRCTRNOU          Job Name . . . . . PRCTRNOU
Created Date . . . . . 04/30/08          Job Number . . . . . 181580
Created Time . . . . . 12:00:00          User . . . . . EDI
Return Code . . . . . 16                  Msg Seq# . . . . . 183
Type option (and Information), press Enter.
  5=Display 11=Audit 12=SLTAUD 13=EDI Monitor

Message
Opt Program  Cd Appl  Nbr Description
  EBDI042    04 INVOICOUT  613 TRANSACTION CAN NOT BE SELECTED - DOCUMENT WIL
  5 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 information is displayed.

- Press **F17** (Next Rcd) to advance through any or all errors.
- 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 . . EBDI002          User Return Code . . . . . 16
Message Number . . . . 12              Gentran Return Code. . . . . 16
Description  INPUT TRANSACTION FILE EMPTY - PROGRAM TERMINATED

Partner Information
Interchange Partner. . . . .           Qual
Interchange Control# . . . . .         S/R. . . . .
Group Partner. . . . .                 Qual
Group Cntl#. . . . .                   Functional Group .
Trans Cntl#. . . . .                   Transaction Set. .
Doc Info . . . . .
Version. . . . . DEFAULT

Mapper/Editor/Communications Information
Segment/Element ID . . . . .           Record Number. . .
Additional Info. . . . .                Member Name. . . . M109960
Application Name . . . . .              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 WRKSPLF.

1. From the Message Center, enter **5** beside the PRCTRNOU 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                                    Date                                    Time Job Name Number
5 PRCTRNOU                               16 Map Info/Edt Halt 04/30/08          12:00:00 PRCTRNOU 181580
  User EDI                               Cmd Name PRCTRNOU                    Sts Complete   Msg Seq#      183
PRCTRNRN                               08 Map Err./Edt Info 04/30/08          12:00:00 PRCTRNRN 181139
  User EDI                               Cmd Name PRCTRNRN                    Sts Complete   Msg Seq#      182
PRCTRNOU                               16 Map Info/Edt Halt 04/30/08          12:00:00 PRCTRNOU 180635
  User EDI                               Cmd Name PRCTRNOU                    Sts Complete   Msg Seq#      181
PRCTRNRN                               00 Completed Normal 04/30/08          12:00:00 PRCTRNRN 173238
  User EDI                               Cmd Name PRCTRNRN                    Sts Complete   Msg Seq#      180
PRCTRNRN                               00 Completed Normal 04/30/08          12:00:00 PRCTRNRN 172087
  User EDI                               Cmd Name PRCTRNRN                    Sts Complete   Msg Seq#      179
                                        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:  PRCTRNOU      User:  EDI                Number:  181580

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

Opt File            Device or                               Total Current
Queue              User Data  Status  Pages  Page  Copies
5 QSYSVRT          QPRINT    EBDI042  RDY    1     1     1
  QPRINT          QPRINT    EBDI002  RDY    1     1     1
  QFJOBLOG        QEZJOBLOG PRCTRNOU  RDY    15    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
    
```

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

```

Display Spooled File
File . . . . . : QSYSVRT                      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 - M109960001
613      4                      TRANSACTION CAN NOT BE SELE
PARTNER ID: COFFEE DIST, VERS: , APPL:
PROCESSING ENDED WITH ERRORS - PROCESSING COUNTS BELOW
APPLICATION RECORDS READ ----- 6
APPLICATION RECORDS SUSPENDED - 6
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
    
```

 **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 optionally be accessed from the Message Center using option **14** (EDI Monitor).

Step 6: Access the Audit Subsystem

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

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.

The Gentran:Server Audit menu (GENAUD) 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
====> 8
F3=Exit  F4=Prompt  F9=Retrieve  F12=Cancel  F13=User Support

```

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 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**.

The Select Audit Records (SLTAUD) panel is displayed.

```

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

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 **INV456** 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 . . INV456
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.

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 Coffee Dist and press **Enter**.

```

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
Opt Partner ID          Date          ID          Doc Info          Ack Profile Sts
12 COFFEE DIST          04/30/08          INVOIC INV456          CN3BSC Q
  COFFEE DIST XXX          04/30/08          INVOIC INV456          CN3BSC Q
  COFFEE DIST XXX          04/30/08          INVOIC INV456          CN3BSC Q

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

Bottom
    
```

The document details are displayed on the Outbound Queue Inquiry panel.

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

```

EDIX405                               Outbound Queue Inquiry          EDI      04/30/08
                                       Line Number . . . . 000001
                                       Status . . . . . Q
Comm Profile Id . . CN3BSC              Batch Seq Number. . 0000162
Profile Seq . . . . 000124
Add Date. . . . . 04/30/08
Add Time. . . . . 11:54
Batch-Id. . . . .

UNB+UNOA:1+MYDUNS:01+COFFEE DUNS:ZZ+000201:1154+00000000000009'UNH+0000000000
9+INVOIC:D:94B'BGM+:::INVOIC+INV456'DTM+3:19990503'FTX+INV+++THIS IS AN INVO
MESSAGE?: PLEASE PAY IMMEDIATELY'FTX+INV+++THANK YOU'RFF+ON:PO456'DTM+4:199
03'NAD+RE+TRADING PARTNER COMPANY+++123 TEST AVENUE+COLUMBUS+OH+430170760'NAD
+TP DIV 1+++999 PRODUCTION ST:WHSE # 50+COLUMBUS+OH+43017'LIN+1++403599:BP'PI
++8810932U3230:UP'IMD+F+:::LARGE COFFEE FILTERS'QTY+113:150:DZN'PRI+:1.1'LIN
+800401:BP'PIA+5++123456789AXY:UP'IMD+F+:::SMALL COFFEE FILTERS'QTY+113:5:DZ
RI+:10.2'UNS+S'CNT+2:2'MOA+128:216'UNT+23+00000000000009'UNZ+1+00000000000009

                                                                 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 screen to access the partner's document to show the data in an unwrapped view.

- 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

```

- View the data for the partner you set up earlier by entering **5** in the Option field next to Coffee Dist. 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 COFFEE DIST      Qual_____ Created_____

Type option (and Information), press Enter.
4=Delete 5=View 6=Print EDI 12=Groups 13=Acknowledge 30=Print Audit
Opt Interchange Partner      Qual R Control #      Status      Created
                               A/N/C      Date Time
-----
5 COFFEE DIST                S 00000000000001    / /Q 04/30/08 11:40
  COFFEE DIST                R 00000000000006    / /P 04/30/08 11:26
  COFFEE DIST                S 00000000000024    / /Q 04/30/08 11:03
  COFFEE DIST                S 00000000000023    / /Q 04/30/08 10:59
  COFFEE DIST                S 00000000000022    / /Q 04/30/08 10:50
  COFFEE DIST                S 00000000000021    / /Q 04/30/08 10:42
  COFFEE DIST                S 000020            / /Q 04/30/08 13:22
  COFFEE DIST                S 00000019          / /Q 04/30/08 13:11
  COFFEE DIST                S 00000017          / /Q 04/30/08 12:36

More...

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

```

- Press **Enter**.

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

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

```

EDIX451                               EDI Interchange Inquiry              EDI  04/30/08
                                         12:00:00

Interchange ID. . . . . COFFEE DIST
Interchange Name. . . . COFFEE DIST - Tutorial Partner      S/R.  S
Interchange Cntl# . . . 00000000000001  Batch/Prof Seq# . . . . 217
Number of Groups. . . . 000000          Ack Date/Time . . . .
Qual. . . . .          Overdue Ack Date/Time
Acknowledge Stat. . . .          Char. Count . . . . . 638
Batch ID. . . . .

UNB+UNOA:1+MYDUNS:01+COFFEE DUNS:ZZ+000425:1042+00000000000021'
UNH+000000000000021+INVOIC:D:94B'
BGM+::INVOIC+INV456'
DTM+3:19990503'
FTX+INV+++THIS IS AN INVOICE MESSAGE: PLEASE PAY IMMEDIATELY'
FTX+INV+++THANK YOU'
RFF+ON:PO456'
DTM+4:19990503'
NAD+RE+TRADING PARTNER COMPANY+++123 TEST AVENUE+COLUMBUS+OH+430170760'
NAD+ST+TP DIV 1+++999 PRODUCTION ST:WHSE # 50+COLUMBUS+OH+43017'

More...

Enter=Segment  F1=Help  F11=More Inq  F12=Cancel  F21=Prt Dta  F22=Requeue

```

- For now, move your cursor to the BGM segment and press **Enter**.

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).

- 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. . . . BGM Transaction Code: INVOIC
Version ID. . . . D 94B

Type option, press Enter.
1=Select 2=View Codes
A Seq Ele Description Element Data
_ 04 04 DOCUMENT/MESSAGE NAME INVOIC
1 05 00 DOCUMENT/MESSAGE NUMBER INV456
-
-
-
-
-
-
-
-
-
-
-
F1=Help F12=Cancel

Bottom
    
```

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

- Press **F12** (Cancel) until you return to the EDI Interchange Inquiry pane (EDIX451).
- Move the cursor to the DTM Segment and press **Enter**.

```

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

Version ID. . . . . D 94B
Data Element ID . . . . . 1004
Description . . . . . DOCUMENT/MESSAGE NUMBER

Element Type. . . . . AN
Minimum Length. . . . . 01
Maximum Length. . . . . 035
Cobol Name. . . . . DOCUMENT-MESSAGE-NUMB
Composite Code Definition . . .

F1=Help F12=Cancel
    
```

- 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. . . . BGM Transaction Code: ORDERS
Version ID. . . . D 94B

Type option, press Enter.
1=Select 2=View Codes
A Seq Ele Description Element Data
2 01 01 DOCUMENT/MESSAGE NAME, CODED 130
_ 05 00 DOCUMENT/MESSAGE NUMBER 25170801025
_ 06 00 MESSAGE FUNCTION, CODED 11

F1=Help F12=Cancel

Bottom
    
```

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

- 10. 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 . . . . . D 94B
Data Element ID. . . . . 2005

Minimum Length . . . . . 1
Maximum Length . . . . . 3
Element Data . . . . . 3

Position to Code . . . . . _____

Composite/
Code      Description
-  ZZZ_____ MUTUALLY DEFINED_____
-  10_____ SHIPMENT DATE/TIME, REQUESTED_____
-  101_____ PRODUCTION DATE, NO SCHEDULE ESTABLISHED AS OF_____
-  107_____ DEPOSIT DATE/TIME_____
-  108_____ POSTMARK DATE/TIME_____
-  109_____ RECEIVE AT LOCKBOX DATE_____
-  11_____  DESPATCH DATE/TIME_____

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)

 10. System Configuration Menu (GENSYSCFG)

 90. Sign off

Selection or command
====> 3

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

```

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
---   --      --      ---      ---      ---      ---      ---
___  04/30/08   12:00:00  EBDI02    F   0181580    614    4403
___  04/30/08   12:00:00  EBDI42    W   0181580    613    4389
___  04/30/08   12:00:00  EBDI41    W   0181139    612    4375
___  04/30/08   12:00:00  EBDI02    I   0181139    611    4357
___  04/30/08   12:00:00  EBDI01    I   0181139    610    4329
___  04/30/08   12:00:00  EBDI02    F   0180635    609    4310
___  04/30/08   12:00:00  EBDI42    W   0180635    608    4294
5  04/30/08   12:00:00  EBDI02    I   0171846    607    4260
___  04/30/08   12:00:00  EBDI01    I   0171846    606    4212

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

The EDI Monitor Inquiry panel is displayed. 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.

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

```

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

Job Number . . . . . 0171846
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  +
INTERCHANGE = TDMTEST  -  TYPE = UNB  +
GROUP 2 UNB  PARTNER VERIFICATION  ID=TDMTEST  +
TRANSACTION = TDMTEST  -  TYPE =  +
3 UNH  TRANSACTION VERIFICATION  ID=TDMTEST  +
4 UCI  AUDIT ACKNOWLEDGE UPDATE  ID=TDMTEST  +
4 UCI  INTE+
62 5 UCM 2/ 4  MISSING INDICATED MANDATORY ELEMENT.  +
5 UCM  AUDIT TRANSACTION UPDATE  ID=TDMTEST  +
5 UCM  TRANSACTION=  TRAN+
More...

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

Step 10: Print EDI Monitor Reports

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

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

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      0181580      614      4403
6_  04/30/08    12:00:00  EBDI42     W      0181580      613      4389
_  04/30/08    12:00:00  EBDI41     W      0181139      612      4375
_  04/30/08    12:00:00  EBDI02     I      0181139      611      4357
_  04/30/08    12:00:00  EBDI01     I      0181139      610      4329
_  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    12:00:00  EBDI02     I      0171846      607      4260
_  04/30/08    12:00:00  EBDI01     I      0171846      606      4212
                                         More...

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

```

You have now completed the outbound portion of the EDIFACT 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 completed it), or exit the system (option **90** on the GENMAIN menu).

Glossary

Acknowledgment

An acknowledgment is a special Transaction set (either 997, 999, or CONTRL) 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), Accept/Reject Advices (the 999 Transaction set), and Syntax and Service Report Messages (the CONTRL message).

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 has been received and whether there are 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: Transmission or Interchange, Functional Group, and 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 transactions 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 acknowledgments 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 must 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.

Message

The message is the EDI equivalent of an Application document. Common documents include Purchase Orders and Invoices. The EDIFACT messages for these are ORDERS and INVOIC. The message is the EDI format of Segments and Elements that compose the related information for the document. These messages vary between Standards.

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, UNG/UNE group parts, and UNH/UNT 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 Gentrans. 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 Gentrans: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.

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 PRCTRIN and PRCTRNOU.

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 – e.g., 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, and 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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