

EDI Complete

EDIFACT Tutorial Guide

IBM Sterling Gentran:Server for iSeries

Release 3.6



This edition applies to the 3.6 Version of IBM® Sterling Gentran:Server® for iSeries® and to all subsequent releases and modifications until otherwise indicated in new editions.

Before using this information and the product it supports, read the information in Notices on page N-1.

Licensed Materials - Property of IBM

IBM® Sterling Gentran:Server® for iSeries

© Copyright IBM Corp. 1990, 2011. All Rights Reserved.

US Government Users Restricted Rights - Use, duplication or disclosure restricted by GSA ADP Schedule Contract with IBM Corp.

# Table of Contents

<b>Preface</b>	<b>Before You Begin</b>	
	Install Sample Library .....	P-1
	Environment Control Setup .....	P-2
	Overview .....	P-3
	How to Get Help .....	P-3
<b>Chapter 1</b>	<b>Inbound Overview</b>	
	Assumptions .....	1-1
	Signing On to the Sterling Gentrans:Server System .....	1-3
<b>Chapter 2</b>	<b>Viewing the EDI Data</b>	
	In this Chapter .....	2-1
	View the Inbound EDI Data .....	2-1
	Reset the Status.....	2-3
<b>Chapter 3</b>	<b>Setting Up a Partner</b>	
	In this Chapter .....	3-1
	What is a Partner? .....	3-1
	Create the Partner ID .....	3-2
	Add Partner Transactions .....	3-4
	Update Name and Address Information.....	3-8
	Add Partner Cross References.....	3-9
<b>Chapter 4</b>	<b>Setting Up an Inbound Application Definition</b>	
	In this Chapter .....	4-1
	What is an Application Definition? .....	4-1
	Access the Application Definition Subsystem .....	4-2
	Define the Application ID .....	4-2
	Customize Application Records/Files .....	4-4
	Customize Header Application Fields.....	4-5
	Customize Detail Application Fields.....	4-5
<b>Chapter 5</b>	<b>Creating an Inbound Transaction Map</b>	
	In this Chapter .....	5-1
	What is a Transaction Map? .....	5-1

Access the Mapping Menu (GENMAP)..... 5-2

Access the Transaction Mapping Subsystem ..... 5-2

Create a Transaction ID..... 5-3

Define a New Transaction ID..... 5-4

Access the Copy Segments from Standard Panel..... 5-5

Access the Element Mapping Inbound Panel..... 5-7

Map the BGM Segment..... 5-8

Perform Extended Mapping for the PO Number..... 5-9

Map the DTM Segment Using Extended Mapping ..... 5-10

Map the NAD Segment ..... 5-12

Map the LIN Segment and Apply Conditions ..... 5-14

Map the IMD Segment ..... 5-18

Map the QTY Segment..... 5-19

Map the PRI Segment..... 5-20

View the Code Translation Table..... 5-21

**Chapter 6 Inbound Processing**

In this Chapter ..... 6-1

What is Processing? ..... 6-1

Access the Processing Subsystem ..... 6-2

Perform Inbound Processing ..... 6-2

Access the Message Center ..... 6-3

Display Message Center Details for Job ..... 6-4

Access Spooled Files for Job (Inbound Processing Reports)..... 6-6

Access the Audit Subsystem ..... 6-7

Search for a Document ..... 6-8

View Unwrapped EDI Data for a Partner..... 6-10

Access EDI Monitor Reports..... 6-13

Print EDI Monitor Reports ..... 6-15

**Chapter 7 Outbound Overview**

Assumptions ..... 7-1

Signing On to the Sterling Gentran:Server System ..... 7-3

**Chapter 8 Setting Up a Partner**

In this Chapter ..... 8-1

What is a Partner? ..... 8-1

Create the Partner ID ..... 8-2

Add Partner Transactions ..... 8-4

Update Name and Address Information..... 8-8

---

	Add Partner Cross References.....	8-9
<b>Chapter 9</b>	<b>Setting Up an Outbound Application Definition</b>	
	In this Chapter .....	9-1
	What is an Application Definition? .....	9-1
	Access the Application Definition Subsystem .....	9-2
	Define the Application ID .....	9-3
	Revise the Application Files.....	9-4
	Revise Application Fields.....	9-5
	Update the Application Partner Reference .....	9-6
<b>Chapter 10</b>	<b>Creating an Outbound Transaction Map</b>	
	In this Chapter .....	10-1
	What is a Transaction Map? .....	10-1
	Access the Mapping Menu (GENMAP).....	10-2
	Access the Transaction Mapping Subsystem .....	10-2
	Create a Transaction ID.....	10-3
	Define a Transaction ID .....	10-4
	Copy Segments from Standards .....	10-5
	Modify Segment Information.....	10-7
	Copy Segments for Manual Loops .....	10-9
	Access the Split Screen Mapping Outbound Panel .....	10-10
	Map the BGM Segment.....	10-11
	Map the DTM Segment for the Invoice Date.....	10-12
	Map the Second DTM Segment for the Order Date.....	10-13
	Map the FTX Segment .....	10-14
	Map the RFF Segment.....	10-16
	Map the Billto NAD Segment .....	10-17
	Map the Ship To NAD Segment .....	10-19
	Map the Remit To NAD Segment .....	10-21
	Subfield Map the Remit To NAD Segment .....	10-23
	Map Element 1 of the LIN Segment.....	10-25
	Map the Rest of the LIN Segment.....	10-26
	Map the PIA Segment .....	10-27
	Map the IMD Segment .....	10-28
	Map the QTY Segment.....	10-29
	Map the PRI Segment.....	10-30

## Table of Contents

---

Map the UNS Segment.....	10-31
Map the CNT Segment.....	10-31
Map the MOA Segment.....	10-32
View a Code Translation Table.....	10-33
Update Your Partner with the New Map.....	10-34

### **Chapter 11 Outbound Processing**

In this Chapter .....	11-1
What is Processing? .....	11-1
Access the Processing Subsystem .....	11-2
Perform Outbound Processing.....	11-2
Access the Message Center .....	11-3
Display Message Center Details for Job .....	11-4
Access Spooled Files for Job (Outbound Processing Reports) .....	11-6
Access the Audit Subsystem .....	11-8
Search for a Document .....	11-9
View Unwrapped EDI Data for a Partner.....	11-11
Access EDI Monitor Reports.....	11-14
Print EDI Monitor Reports .....	11-16

### **Notices**

Trademarks .....	N-3
------------------	-----

### **Glossary**

### **Index**

# Before You Begin

Welcome to IBM® Sterling Gentran:Server® for iSeries® Release 3.6, 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 Sterling 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 G3X6SAMP.

To install the sample library, load the IBM® Sterling Gentran:Server® for iSeries® Release 3.6 CD-ROM into a CD-ROM device or download the G3X6SAMP 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 . . . . . G3X6SAMP      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, **G3X6SAMP**). 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 Sterling 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 Sterling Gentran:Server:

- QTEMP
- QGPL
- G3X6SAMP
- G3X6DTA
- G3X6PGM.

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



---

## 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

## How to Get Help

IBM® Sterling Customer Center provides a wealth of online resources that are available around the clock to enrich your business experience with IBM® Sterling Gentran®. By using Sterling Customer Center, you gain access to many self-support tools, including a Knowledge-Base, Documentation, Education, and Case Management. Access Sterling Customer Center at <http://customer.sterlingcommerce.com>.

Once logged in, select **Support Center** from the top navigation menu, and then locate Sterling Gentran product-specific support information from the left navigation menu.

Additionally, our Customer Support Reference Guide outlines our support hours, contact information, and key information that will enhance your support experience with us. For detailed information about Customer Support, please refer to the Customer Support Reference Guide accessible from the login page. (<http://customer.sterlingcommerce.com>)



# Inbound Overview

In this inbound exercise, you will set up your Sterling 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 Sterling Gentran:Server how to interface with your application
- Create a transaction map that will give Sterling 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 Sterling 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.

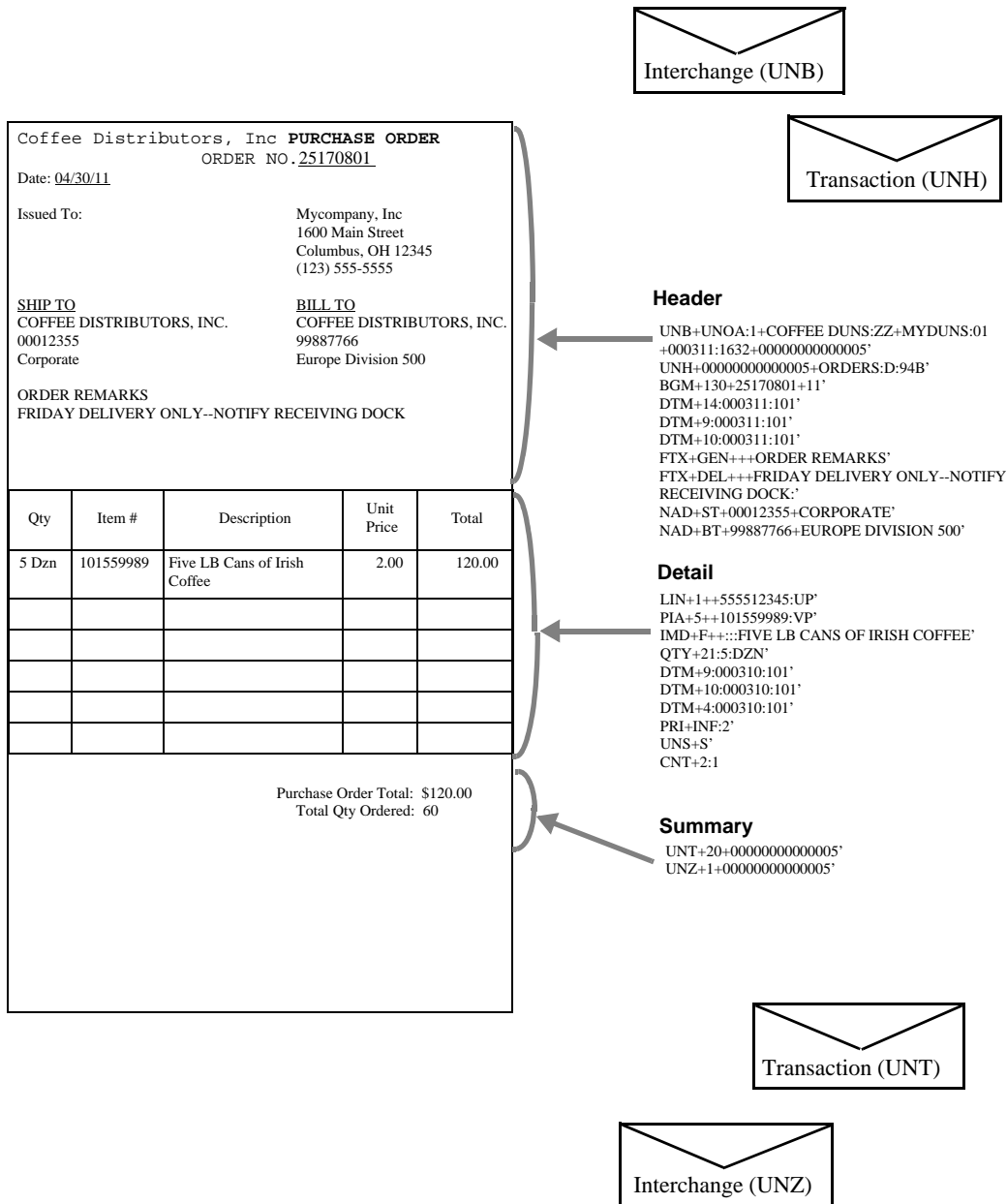
## Assumptions

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 Sterling Gentran:Server 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 Sterling Gentran:Server, 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 Sterling Gentran:Server. 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, G3X6SAMP (tutorial library), G3X6DTA (data library), and G3X6PGM (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          IBM® Sterling Gentran:Server® for iSeries® 3.6
                                     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. File Tracking Menu (GENFILETRK)
 14. Sterling Gentran:Server Search Index

More...

Selection or command
====> 4

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

```

## 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                      Sterling Gentran:Server Communications 3.6
                               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. Sterling 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
  
```

- 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 04/30/11
FMT01                        pgmlib: G3X6PGM      dtalib: G3X6DTA      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=PRCTRNN  30=Extract Data

Profile
Opt Profile  Sts  Profile  Seq #  Date      Time      Records  Comm  Batch  Batch
-----
--- CN3BSC    RN      6  04-30-11  15:16:30    7      10      11 EDIFACT
--- CN3BSC    PI      5  04-30-11  11:09:17   12       9      10 POINB
 5  CN3BSC    H      3  04-30-11  14:13:34    7       2       3 Edifact
--- CN3BSC    PI      2  04-30-11  17:35:37    6       2       2 SEMPOAP
--- CN3BSC    PI      1  04-30-11  17:36:16   16       3       1 INVFILE
--- EVAL     PI     162  04-30-11  11:16:36    6       8       9
--- EVAL     PI     161  04-30-11  11:16:05    7       8       8
--- EVAL     PI     160  04-30-11  11:11:49    6       7       7
--- EVAL     PI     159  04-30-11  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 04/30/11
                               12:00:00

Comm Profile Id . . . CN3BSC                      Line Number . . . . 000001
Profile Seq . . . . . 000003                      Status . . . . . H
Date Received . . . . 04/30/11                    Batch Seq Number . . 0000003
Time Received . . . . 12:00
Batch-Id . . . . . Edifact orders document

UNB+UNOA:1+COFFEEEDUNS:ZZ+MYDUNS:01+000311:1632+000000000000005'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 COFFE
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+000000000000005'UNZ+1+000000000000005'

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. Sterling 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 04/30/11
FMT01          pgmlib: G3X6PGM          dtalib: G3X6DTA          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  Seq #  Date  Time  Records  Comm  Batch  Batch
-----  -  -  -  -  -  -  -  -  -  -
   CN3BSC  RN    6  04-30-11  15:16:30    7    10    11 EDIFACT
   CN3BSC  PI    5  04-30-11  11:09:17   12     9    10 POINB
  2  CN3BSC  H    3  04-30-11  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 Sterling Gentran:Server when the document is sent electronically. Sterling 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          IBM® Sterling Gentran:Server® for iSeries® 3.6
                                     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. File Tracking Menu (GENFILETRK)
 14. Sterling 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 04/30/11
FMT01           pgmlib: G3X6PGM  dtalib: G3X6DTA  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 04/30/11
FMT01

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 04/30/11
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 04/30/11
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 00000000000000
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 04/30/11
FMT01          pgmlib: G3X6PGM          dtalib: G3X6DTA          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 04/30/11
FMT01          pgmlib: G3X6PGM          dtalib: G3X6DTA          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:

4. 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 04/30/11
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
    
```

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

```

EDIX041          Partner Transaction          EDI 04/30/11
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.

9. Enter **3** in the Option field next to transaction ID INVOIC and press **Enter**.
10. 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 04/30/11
FMT01          pgmlib: G3X6PGM dtalib: G3X6DTA  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
    
```

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.

```

EDIX041          Partner Transaction          EDI 04/30/11
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
    
```

- 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**.

```

EDIX040          Work with Partner Transactions          EDI 04/30/11
FMT01          pgmlib: G3X6PGM          dtalib: G3X6DTA          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
____
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 04/30/11
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 04/30/11
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 04/30/11
FMT01                  pgmlib: G3X6PGM                  dtalib: G3X6DTA                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 04/30/11
FMT01                  Partner Name & Address                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 Sterling 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 04/30/11
FMT01           pgmlib: G3X6PGM   dtalib: G3X6DTA   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 **COFFEEEDUNS** 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 04/30/11
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
-----
COFFEEEDUNS       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 Sterling 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          IBM® Sterling Gentran:Server® for iSeries® 3.6
                                     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. File Tracking Menu         (GENFILETRK)
 14. Sterling 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 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 04/30/11
FMT01            pgmlib: G3X6PGM          dtalib: G3X6DTA          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  BINARY OUT SAMPLE                External Phys.  PI    MKK
  --  BINARYOUT  S  BINARY OUT SAMPLE                External Phys.  PI    MKK
  --  INVOICE    R  Invoice Inbound                    Internal Phys.  IN    EDI
  --  INVOIC    S  Edifact Invoice                    Y2K External Lgl.  INVOIC EDI
  --  INVOICOUT S  Tutorial EDIFACT Invoice outb      External Lgl.   INVOIC EDI
  --  INVOUT    S  Tutorial X12 Invoice Outbound      External Lgl.   IN    EDI
  --  INVOUTL   S  Invoice Outbound (lgl)             Y2K External Lgl.  IN    EDI
  --  INVOUTP   S  Invoice Outbound (Phys)            Y2K External Phys.  IN    EDI
  --  INVOUTPEDI S  INVOICE OUTBOUND - PHYSICAL       External Phys.   IN    EDI
  --  ORDERS    R  Edifact Orders Inbound            External Lgl.    ORDERS CSG

More...

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

On the Application Definition panel, 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 04/30/11
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.

Sterling 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 04/30/11
FMT01      pmplib: G3X6PGM      dtalib: G3X6DTA      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 04/30/11
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  Use M W Description  Last Update  Date  User
--  --  --  --  --  --  --  --  --  --  --  --
  10  POHEADER    H  1  1  M Y  Training Class: PO Header  12-12-03  EDI
  20  PODETAIL    D  1  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 04/30/11
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  Use M W Description  Last Update  Date  User
11  10  POHEADER    H  1  1  M Y  Training Class: PO Header  12-12-03  EDI
  20  PODETAIL    D  1  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	SHIPTO 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.
4. Press **F12** (Cancel) until you return to the GENMAIN menu.

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

**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          IBM® Sterling Gentran:Server® for iSeries® 3.6
                                     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. File Tracking Menu              (GENFILETRK)
 14. Sterling Gentran:Server Search Index

More...

Selection or command
===> 3

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

**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          Sterling Gentran:Server Mapping 3.6
                                     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 (VERCNYT)
 16. Copy Applications                (APPCPY)
 17. Copy Transaction Maps            (TRNCY)

More...

Selection or command
===> 2

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

### 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 04/30/11
FMT01           pgmlib: G3X6PGM      dtalib: G3X6DTA      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  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
    
```

**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 04/30/11 12:00:00
EDIX503		
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 04/30/11
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 04/30/11
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  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      5      FREE TEXT
---
   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 04/30/11
FMT01           pgmlib: G3X6PGM          dtalib: G3X6DTA          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  Tradacons Invoice 8            CV   P
---
TCOMORD8P       R  TCOMORD8P  Tradacons Orders 8            CV   P
---
810OUT          S  INVOUIT   Tutorial Invoice Outbound 4010  EDI  P
---
810S41EDI       S  INVOUITPE  Outbound Invoice 004010 (demo) EDI  P
---
810S41TPC1      S  INVOUITP   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 04/30/11
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                      04/30/11
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 No.  Ele M  C  P  Description  Ele Seq  Ele C
ID R
---
                1  1  0  ID  DOCUMENT/MESSAGE NAME  10 1001
                2  2  0  ID  CODE LIST QUALIFIER  20 1131
                3  3  0  ID  CODE LIST RESPONSIBLE 30 3055
                4  4  0  AN  DOCUMENT/MESSAGE NAME 40 1000
1             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 **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             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

**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                      04/30/11
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
Ele Sub X M T
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 04/30/11
FMT01                        pgmlib: G3X6PGM dtalib: G3X6DTA                      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
Seg Ele A Seg
Opt Seg Seq Map Constant/Field C ID Description
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 04/30/11
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 . . . . . Type of Table . . .
Add to Hash Total # . . . . . Length (Minimum) . . 1
Save in Constant # . . . . . 01 Length (Maximum) . . 35
Add 1 to Accumulator # . . . . . Group Req Cd . . .
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                      04/30/11
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 1 M ID DATE/TIME/PERIOD QUALI 10 2005
2 2 C O AN DATE/TIME/PERIOD 20 2380
3 3 O ID DATE/TIME/PERIOD FORMA 30 2379
    
```

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 20 on the Work with Extended Mapping panel and press **Enter**.

The Extended Inbound Mapping panel is displayed.

```

EDIX506                      Work with Extended Mapping                      EDI 04/30/11
FMT01                      pgmlib: G3X6PGM dtalib: G3X6DTA                      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 Seq 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
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 04/30/11
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 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 04/30/11	
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 Field =	Value	Op Value	Op Value		
Or					
Target Field =	DTM/010/00200	EQ	'9'		
If					
And/Or				Round Element . . .	#DEC
Table ID . . . . .				Type of Table . . .	
Add to Hash Total # . . . . .				Length (Minimum) . .	1
Save in Constant # . . . . .	02			Length (Maximum) . .	35
Add 1 to Accumulator # . . . . .				Group Req Cd . . . .	M
User Exit Routine . . . . .				Related . . . . .	N
Mandatory Code . . . . .	O			Type . . . . .	AN
Element Group . . . . .	C			Type . . . . .	R
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                      04/30/11
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                      04/30/11
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
-----
  F010.SHIPTONAME 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
-----
  F010.SHIPTOADD1 5 1 C M AN STREET AND NUMBER/P.O. 160 3042
-----
  F010.SHIPTOADD2 2 C O AN STREET AND NUMBER/P.O. 170 3042
-----
                               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          04/30/11
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
Opt Target Field  Table ID  No. Ele M C P Description      Ele  Ele C
Seq ID R
---
1  1  C NO LINE ITEM NUMBER      10 1082
2  2  C ID ACTION REQUEST/NOTIFIC 20 1229
3  1 C O AN ITEM NUMBER          30 7140
4  2  O ID ITEM NUMBER TYPE, CODE 40 7143
5  3  O ID CODE LIST QUALIFIER    50 1131
6  4  O ID CODE LIST RESPONSIBLE  60 3055
7  4  C ID SUB-LINE INDICATOR, CO 70 5495
8  5  C NO CONFIGURATION LEVEL    80 1222
9  6  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          04/30/11
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
Opt Target Field  Table ID  No. Ele M C P Description      Ele  Ele C
Seq ID R
---
1-Select
1  1  C NO LINE ITEM NUMBER      10 1082
2  2  C ID ACTION REQUEST/NOTIFIC 20 1229
3  1 C O AN ITEM NUMBER          30 7140
4  2  O ID ITEM NUMBER TYPE, CODE 40 7143
5  3  O ID CODE LIST QUALIFIER    50 1131
6  4  O ID CODE LIST RESPONSIBLE  60 3055
7  4  C ID SUB-LINE INDICATOR, CO 70 5495
8  5  C NO CONFIGURATION LEVEL    80 1222
9  6  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  PODETAIL   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=

Bottom

F1=Help F3=Exit F12=Cancel

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

```

EDIX514          Element Mapping Inbound          04/30/11
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
Opt Target Field  Table ID  No. Ele M C P Description      Ele  Ele C
Seq ID R
---
11  F020.ITEMNUM  3  1 C O AN ITEM NUMBER          30 7140
2  2  O ID ITEM NUMBER TYPE, CODE 40 7143
3  3  O ID CODE LIST QUALIFIER    50 1131
4  4  O ID CODE LIST RESPONSIBLE  60 3055
5  4  C ID SUB-LINE INDICATOR, CO 70 5495
6  5  C NO CONFIGURATION LEVEL    80 1222
7  6  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 04/30/11
FMT01          pgmlib: G3X6PGM          dtalib: G3X6DTA          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.

```

EDIX513          Extended Inbound Mapping          EDI 04/30/11
FMT01          pgmlib: G3X6PGM          dtalib: G3X6DTA          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 . . . . . 0

Mapping of Data Element
Application Target Field . . . . . F020.ITEMNUM___
Target Field =
or
  Value          Op Value          Op Value
Target Field =
  If             LIN/30/6800      EQ 'UP'
  And/Or O      LIN/30/6800      EQ 'PI'
Table ID . . . . .
Add to Hash Total # . . . . .
Save in Constant # . . . . .
Add 1 to Accumulator # . . . . .
User Exit Routine . . . . .
Mandatory Code . . . . . O
Element Group . . . . . C
Segment Description . . . . . LINE ITEM
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 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.)

- 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 04/30/11
FMT01           pgmlib: G3X6PGM          dtalib: G3X6DTA          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
---
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 04/30/11
FMT01           pgmlib: G3X6PGM          dtalib: G3X6DTA          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
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 04/30/11
FMT01           pgmlib: G3X6PGM          dtalib: G3X6DTA          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
---
 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 04/30/11	
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 =					
If	LIN/30/6800	EQ	'CB'		
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          04/30/11
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.
1=Appl Fields  11=Ext Map  12=Subfield  13=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
5  O AN ITEM DESCRIPTION        70 7008
1  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          04/30/11
Description. . . . . ITEM DESCRIPTION
1=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  PODETAILL    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
1  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          04/30/11
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          04/30/11
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...

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          04/30/11
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 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

**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                      04/30/11
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 No. Ele M C P Description Ele Ele C
Seq ID R
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.
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.

```

EDIX514                      Element Mapping Inbound                      04/30/11
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 No. Ele M C P Description Ele Ele C
Seq ID R
1 1 M ID 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
    
```

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

### Step 15: View the Code Translation Table

Sterling 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 04/30/11
FMT01           pgmlib: G3X6PGM      dtalib: G3X6DTA      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
--- 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 **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 04/30/11
FMT01           pgmlib: G3X6PGM      dtalib: G3X6DTA      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 04/30/11
CTL01           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 Sterling Gentran:Server does to convert the format of the data transmitted between you and your trading partners. The best way to explain processing is to divide it into the inbound and outbound components.

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

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

**Step 1: Access the Processing Subsystem**

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

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

```

GENMAIN          IBM® Sterling Gentran:Server® for iSeries® 3.6
                                     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. File Tracking Menu (GENFILETRK)
 14. Sterling Gentran:Server Search Index

More...

Selection or command
====> 10

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

2. 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          Sterling Gentran:Server Processing 3.6
                                     System:  ISDDEV01
Select one of the following:

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

More...

Selection or command
====> 2

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

**Step 2: Perform Inbound Processing**

1. Enter **CN3BSC** in the Comm Profile ID field.
2. Enter the name of the application definition you created earlier (**ORDERSINB**) in the Application ID field and press **Enter** to submit the processing to batch.
3. 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**

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          IBM® Sterling Gentrans:Server® for iSeries® 3.6
                                     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. File Tracking Menu                 (GENFILETRK)
 14. Sterling Gentrans: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          Sterling Gentrans:Server Message Center 3.6
                                     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

```

**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 04/30/11
FMT01           pgmlib: G3X6PGM          dtalib: G3X6DTA          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 04/30/11     12:00:00 PRCTRNIN     181139
--- PRCTRNOUT    16 Map Info/Edt Halt 04/30/11     12:00:00 PRCTRNOUT    180635
--- PRCTRNIN     00 Completed Normal 04/30/11     17:08:44 PRCTRNIN     173238
--- PRCTRNIN     00 Completed Normal 04/30/11     17:50:49 PRCTRNIN     172087
--- EXTRACT      00 Completed Normal 04/30/11     12:26:03 QPADEV0005  171898
--- EXTRACT      00 Completed Normal 04/30/11     12:25:59 QPADEV0005  171898
--- EXTRACT      00 Completed Normal 04/30/11     12:25:56 QPADEV0005  171898
--- EXTRACT      00 Completed Normal 04/30/11     12:25:53 QPADEV0005  171898
--- EXTRACT      00 Completed Normal 04/30/11     12:25:47 QPADEV0005  171898
--- EXTRACT      00 Completed Normal 04/30/11     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 04/30/11
FMT01           pgmlib: G3X6PGM          dtalib: G3X6DTA          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 04/30/11     12:00:00 PRCTRNIN     181139
   User EDI      Cmd Name PRCTRNIN   Sts Complete  Msg Seq#     182
--- PRCTRNOUT    16 Map Info/Edt Halt 04/30/11     12:00:00 PRCTRNOUT    180635
   User EDI      Cmd Name PRCTRNOUT Sts Complete  Msg Seq#     181
--- PRCTRNIN     00 Completed Normal 04/30/11     17:08:44 PRCTRNIN     173238
   User EDI      Cmd Name PRCTRNIN   Sts Complete  Msg Seq#     180
--- PRCTRNIN     00 Completed Normal 04/30/11     17:50:49 PRCTRNIN     172087
   User EDI      Cmd Name PRCTRNIN   Sts Complete  Msg Seq#     179
--- EXTRACT      00 Completed Normal 04/30/11     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 04/30/11
FMT01           pgmlib: G3X6PGM          dtalib: G3X6DTA          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 04/30/11     12:00:00 PRCTRNIN     181139
   User EDI      Cmd Name PRCTRNIN   Sts Complete  Msg Seq#     182
--- PRCTRNOUT    16 Map Info/Edt Halt 04/30/11     12:00:00 PRCTRNOUT    180635
   User EDI      Cmd Name PRCTRNOUT Sts Complete  Msg Seq#     181
--- PRCTRNIN     00 Completed Normal 04/30/11     17:08:44 PRCTRNIN     173238
   User EDI      Cmd Name PRCTRNIN   Sts Complete  Msg Seq#     180
--- PRCTRNIN     00 Completed Normal 04/30/11     17:50:49 PRCTRNIN     172087
   User EDI      Cmd Name PRCTRNIN   Sts Complete  Msg Seq#     179
--- EXTRACT      00 Completed Normal 04/30/11     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  04/30/11
FMT01                               12:00:00

Process Name . . . . . PRCTRNIN          Job Name . . . . . PRCTRNIN
Created Date . . . . . 04/30/11          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  04/30/11
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 . . . . .              Map 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 04/30/11
FMT01           pgmlib: G3X6PGM          dtalib: G3X6DTA          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 04/30/11 12:00:00 PRCTRIN          181139
  User EDI          Cmd Name PRCTRIN   Sts Complete   Msg Seq#         182
-- PRCTRNOUIT       16 Map Info/Edt Halt 04/30/11 12:00:00 PRCTRNOUIT       180635
  User EDI          Cmd Name PRCTRNOUIT Sts Complete   Msg Seq#         181
-- PRCTRIN          00 Completed Normal 04/30/11 17:08:44 PRCTRIN          173238
  User EDI          Cmd Name PRCTRIN   Sts Complete   Msg Seq#         180
-- PRCTRIN          00 Completed Normal 04/30/11 17:50:49 PRCTRIN          172087
  User EDI          Cmd Name PRCTRIN   Sts Complete   Msg Seq#         179
-- EXTRACT          00 Completed Normal 04/30/11 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 04/30/11  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

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 Sterling Gentran:Server Audit menu (GENAUD) is displayed.

```

GENMAIN          IBM® Sterling Gentran:Server® for iSeries® 3.6
                                     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. File Tracking Menu        (GENFILETRK)
 14. Sterling 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, 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          Sterling Gentran:Server Audit 3.6
                                     System:  ISDDEV01
Select one of the following:

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

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

 15. Retrieve Audit File        (RTVAUD)
 16. Retrieve Network Status File (RTVNET)

More...

Selection or command
====>

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

```

**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                      Sterling Gentran:Server Audit 3.6                      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          04/30/11
FMT01           pgmlib: G3X6PGM      dtalib: G3X6DTA      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      04-30-11  ORDERS 25170801      EVAL   PI
  COFFEE DIST      04-30-11  ORDERS 25170801      A   CN3BSC H
  MYCOMPANY        COFFEE 04-30-11  ORDERS 25170801      CN3BSC H
  TDMTEST          04-30-11  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          04/30/11
                Line Number . . . . 000001
                Status . . . . . PI
Comm Profile Id . . EVAL          Batch Seq Number . . 0000008
Profile Seq . . . . 000161
Date Received . . . 04-30-11
Time Received . . . 11:16
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+5
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'UNZ+S'CNT+2:1
T+20+00000000000006'UNZ+1+00000000000006'

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                      Sterling Gentran:Server Audit 3.6                      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  04/30/11
FMT01                          pgmlib: G3X6PGM      dtalib: G3X6DTA      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 04-30-11 10:08
5 COFFEE DIST                  R 000000000000005 A/ / H 04-30-11 16:37
COFFEE DIST                  S 000000000000010 / / Q 04-30-11 14:12
COFFEE DIST                  S 000000000000009 / / Q 04-30-11 11:54
COFFEE DIST COFFEE DIST      S 000000000000005 / / / 04-30-11 08:08
COFFEE DIST COFFEE DIST      ZZ S 000000000000004 / / / 04-30-11 08:00
COFFEE DIST XXX              R 000000000000005 / / H 04-30-11 11:05
COFFEE DIST XXX              S 000000000000014 / / Q 04-30-11 12:14
COFFEE DIST XXX              R 000000000000006 / / P 04-30-11 15:24

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

3. Press Enter.

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  04/30/11
                                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 . . . 04-30-11 / 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    04/30/11
                                                                                 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
_  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    04/30/11
                                                                                 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    04/30/11
                                                                                 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 04/30/11
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 Sterling Gentran:Server.

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 Sterling Gentran:Server System Administration menu is displayed.

```

GENMAIN          IBM® Sterling Gentran:Server® for iSeries® 3.6
                                     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. File Tracking Menu                 (GENFILETRK)
 14. Sterling 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          Sterling Gentran:Server System Administration 3.6
                                     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

```

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 04/30/11
FMT01                        pgmlib: G3X6PGM      dtalib: G3X6DTA      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
---  ---      ---      ---      ---      ---      ---      ---
  4/30/11    12:00:00  EBDI41      W      0181139      612      4375
  4/30/11    12:00:00  EBDI02      I      0181139      611      4357
 5  4/30/11    12:00:00  EBDI01      I      0181139      610      4329
  4/30/11    12:00:00  EBDI02      F      0180635      609      4310
  4/30/11    12:00:00  EBDI42      W      0180635      608      4294
  4/30/11    16:08:01  EBDI02      I      0171846      607      4260
  4/30/11    16:07:51  EBDI01      I      0171846      606      4212
  4/30/11    16:05:18  EBDI02      I      0171846      605      4178
  4/30/11    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 04/30/11
CTL01                        12:00:00

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

EBDI001  RUN 04/30/11      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 Sterling 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 04/30/11	
FMT01		pgmlib: G3X6PGM	dtalib: G3X6DTA		12:00:00		
Position to Generation Date. . . .				Generation Time. . . .			
Type option (and Information), press Enter.							
5=View 6=Print							
Opt	Date	Time	Process Name	Status	Job Number	Control	Detail
<u>6</u>	04/30/11	12:00:00	EBDI41	W	0181139	612	4375
<u>6</u>	04/30/11	12:00:00	EBDI02	I	0181139	611	4357
<u>6</u>	04/30/11	12:00:00	EBDI01	I	0181139	610	4329
—	04/30/11	12:00:00	EBDI02	F	0180635	609	4310
—	04/30/11	12:00:00	EBDI42	W	0180635	608	4294
—	04/30/11	16:08:01	EBDI02	I	0171846	607	4260
—	04/30/11	16:07:51	EBDI01	I	0171846	606	4212
—	04/30/11	16:05:18	EBDI02	I	0171846	605	4178
—	04/30/11	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 Sterling 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 Sterling Gentran:Server how to interface with your application.
- Create a transaction map that will give Sterling 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 Sterling 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.

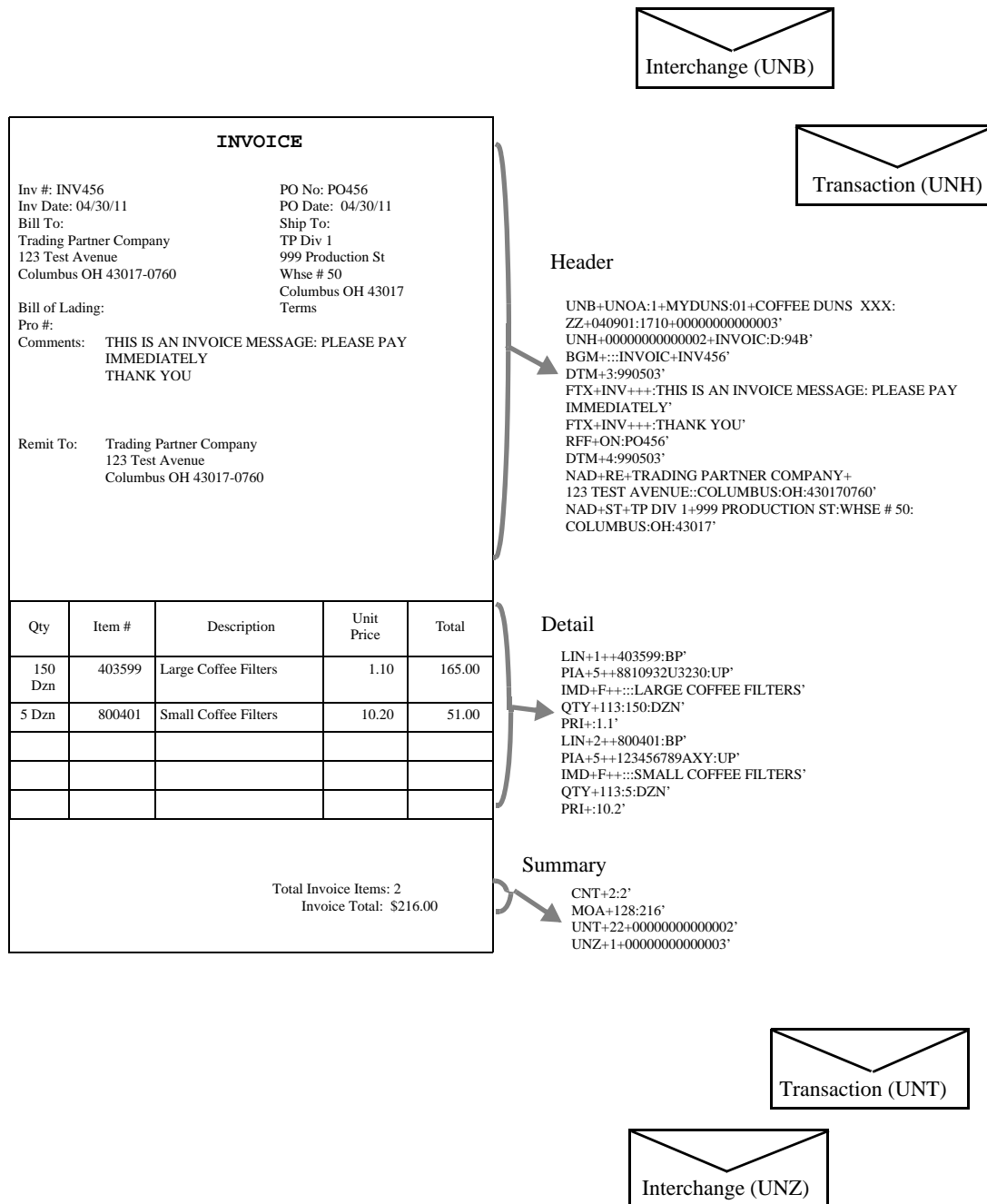
## Assumptions

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 Sterling Gentran:Server 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 Sterling Gentran:Server, 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 Sterling Gentran:Server. 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, G3X6SAMP (tutorial library), G3X6DTA (data library), and G3X6PGM (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 Sterling Gentran:Server when the document is sent electronically. Sterling 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          IBM® Sterling Gentran:Server® for iSeries® 3.6
                                     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. File Tracking Menu (GENFILETRK)
 14. Sterling 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 04/30/11
FMT01           pgmlib: G3X6PGM      dtalib: G3X6DTA      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          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 04/30/11
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          Set 209 Errors . . . 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.

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 **COFFFEEDUNS** 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 04/30/11
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 COFFFEEDUNS
Recipient Qualifier. . . . UNB03 ZZ
Routing Address. . . . . UNB03
Control Reference. . . . . UNB05 00000000000001
Recipients Password. . . . UNB06                Qualifier. . . . .
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 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 04/30/11
FMT01          pgmlib: G3X6PGM          dtalib: G3X6DTA          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 04/30/11
FMT01          pgmlib: G3X6PGM          dtalib: G3X6DTA          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 04/30/11
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 04/30/11
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 04/30/11
FMT01          pgmlib: G3X6PGM      dtalib: G3X6DTA      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 04/30/11
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 04/30/11
FMT01          pgmlib: G3X6PGM      dtalib: G3X6DTA      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 04/30/11
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 04/30/11
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 04/30/11
FMT01          pgmlib: G3X6PGM          dtablib: G3X6DTA          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 04/30/11
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 Sterling 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 04/30/11
FMT01                               pgmlib: G3X6PGM          dtalib: G3X6DTA          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 04/30/11
CTL01                               Partner Cross Reference      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 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 Sterling 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:

Enter **2** on the command line on the GENMAIN menu and press **Enter**.

The Work with Application Definition panel is displayed.

```
GENMAIN          IBM® Sterling Gentran:Server® for iSeries® 3.6
                                     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. File Tracking Menu        (GENFILETRK)
 14. Sterling 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 04/30/11
FMT01          pgmlib: G3X6PGM          dtalib: G3X6DTA          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                               External Phys.  IN    EDI
-- INVFILE   R  Invoice Inbound                               Internal Phys.  IN    EDI
-- INVOIC    S  Edifact Invoice                               Y2K External Lgl. INVOIC EDI
-- INVOUT    S  Tutorial X12 Invoice Outbound                     External Lgl.   IN    CB
-- INVOUTL   S  Invoice Outbound (lgl)                               Y2K External Lgl. IN    EDI
-- INVOUTP   S  Invoice Outbound (Phys)                               Y2K External Phys. IN    EDI
-- INVOUTPEDI S  INVOICE OUTBOUND - PHYSICAL                         External Phys.  IN    CB
-- ORDERS    R  Edifact Orders Inbound                               External Lgl.   ORDERS CSG
More...

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

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.

```

EDIX552          Application Definition                    EDI 04/30/11
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
    
```

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.

Sterling 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 04/30/11
FMT01           pgmlib: G3X6PGM          dtalib: G3X6DTA          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
---
INVOUHL          S Invoice Outbound (lgl) Y2K External Lgl. IN EDI
---
INVOUHP          S Invoice Outbound (Phys) Y2K External Phys. IN EDI
---
INVOUHPEDI       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 04/30/11
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      Last Update
---  ---  ---  ---  ---  ---  ---  ---  ---  ---
10 WPEINVDRE H _____ 1 M EDI Invoice Header File 04-30-08 EDI
20 WPEINVTME H _____ 10 M EDI Invoice Header Comment fil 04-30-08 EDI
30 WPEINVTME 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 04/30/11
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  Use M W Description                Last Update
  11  10 WPEINVHDRE H   1   1 M  EDI Invoice Header File         04/30/11 EDI
  20  20 WPEINVCMTRE H   10  1 M  EDI Invoice Header Comment fil 04/30/11 EDI
  30  30 WPEINVTIME D   1   1 M  EDI Invoice Item Detail File   04/30/11 EDI
  40  40 WPEINVSUME H  0200  1 M  EDI Invoice Summary File       04/30/11 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 04/30/11
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.IHPQ#         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 Sterling 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 04/30/11
FMT01           pgmlib: G3X6PGM      dtalib: G3X6DTA      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 04/30/11
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          IBM® Sterling Gentran:Server® for iSeries® 3.6          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. File Tracking Menu               (GENFILETRK)
 14. Sterling Gentran:Server Search Index

More...
Selection or command
====> 3
F3=Exit  F4=Prompt  F9=Retrieve  F12=Cancel  F13=User Support
    
```

**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          Sterling Gentran:Server Mapping 3.6          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
    
```

**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 04/30/11
FMT01           pgmlib: G3X6PGM      dtalib: G3X6DTA      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                               CSK G
-- 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.

Transaction Map Definition		EDI 04/30/11 12:00:00
EDIX503		
FMT01		
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 04/30/11
FMT01           pgmlib: G3X6PGM          dtalib: G3X6DTA          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   INVOUIT     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 04/30/11
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 04/30/11
FMT01           pgmlib: G3X6PGM      dtalib: G3X6DTA      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
---  ---
810OUT       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 04/30/11
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                                         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

More...
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 04/30/11
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
---  ---  ---  ---  ---  ---  ---  ---  ---  ---
 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 04/30/11
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
---  ---  ---  ---  ---  ---  ---  ---  ---  ---
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**.

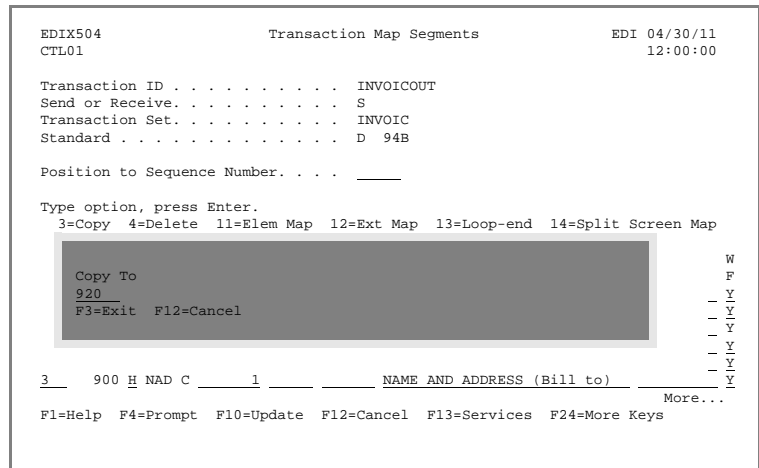
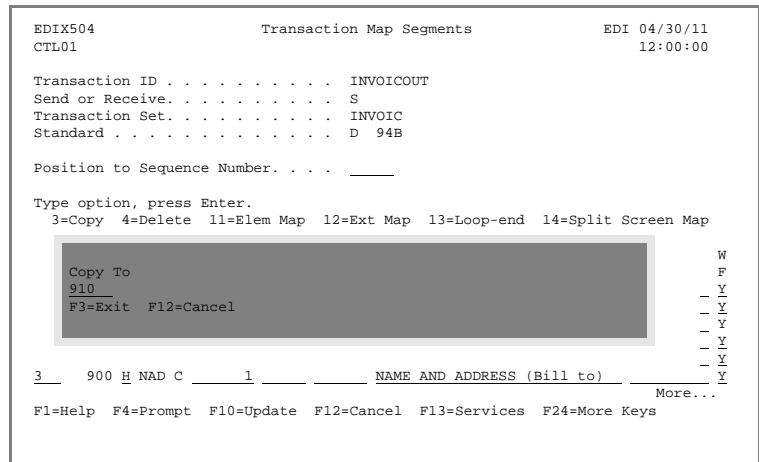
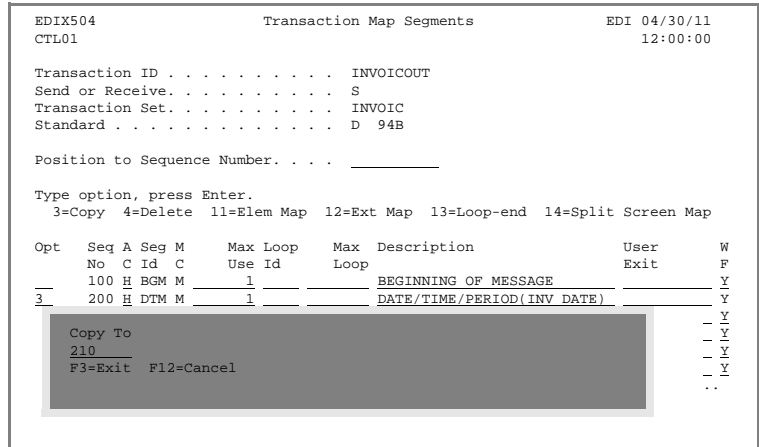
This action redisplay the panel, showing the copied segment ID 210. You may want to update the segment description to indicate **PO DATE**.

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**.



**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 04/30/11
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
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 9: Map the BGM Segment**

The split screen shows EDI elements in the bottom half and application fields in the top half. You will be modifying the bottom half only.

Application fields can be entered in the Target field or selected from the list in the top half of the screen. The panel below shows how to initiate mapping for an element.

1. Enter **1** in the Option field next to element 2 (Document/ Message Number) and press **Enter**.

Control is passed to the top portion of the screen so you can select the field.

```

EDIX526 CTL01 From Application Fields 04/30/11 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: BGM BEGINNING OF MESSAGE Seq. 100 Area: H
Opt Target Field Table ID Ele Sub X M Ty Description Seq ID C
-- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- --
1 1 O ID DOCUMENT/MESSAGE NAME 10 1001
2 O ID CODE LIST QUALIFIER 20 1131
3 O ID CODE LIST RESPONSIBLE 30 3055
4 O AN DOCUMENT/MESSAGE NAME 40 1000
1 2 C AN DOCUMENT/MESSAGE NUMBE 50 1004
3 C ID MESSAGE FUNCTION, CODE 60 1225
More...
F1=Help F10=Update F12=Cancel F16=Prev Rcd F17=Next Rcd F24=More Keys
    
```

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

```

EDIX526 CTL01 From Application Fields 04/30/11 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#
1 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: BGM BEGINNING OF MESSAGE Seq. 100 Area: H
Opt Target Field Table ID Ele Sub X M Ty Description Seq ID C
-- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- --
1 1 O ID DOCUMENT/MESSAGE NAME 10 1001
2 O ID CODE LIST QUALIFIER 20 1131
3 O ID CODE LIST RESPONSIBLE 30 3055
4 O AN DOCUMENT/MESSAGE NAME 40 1000
1 2 C AN DOCUMENT/MESSAGE NUMBE 50 1004
3 C ID MESSAGE FUNCTION, CODE 60 1225
More...
F1=Help F10=Update F12=Cancel F16=Prev Rcd F17=Next Rcd F24=More Keys
    
```

3. Enter **'INVOIC'** (enclosed in single quotes) in the Target field for element sequence 40 to map a literal value.

The figure at right shows how the panel should look once you have mapped these elements.

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

```

EDIX526 CTL01 From Application Fields 04/30/11 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: BGM BEGINNING OF MESSAGE Seq. 100 Area: H
Opt Target Field Table ID Ele Sub X M Ty Description Seq ID C
-- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- --
1 1 O ID DOCUMENT/MESSAGE NAME 10 1001
2 O ID CODE LIST QUALIFIER 20 1131
3 O ID CODE LIST RESPONSIBLE 30 3055
'INVOIC' 4 O AN DOCUMENT/MESSAGE NAME 40 1000
F010.IHINV# 2 C AN DOCUMENT/MESSAGE NUMBE 50 1004
3 C ID MESSAGE FUNCTION, CODE 60 1225
More...
F1=Help F10=Update F12=Cancel F16=Prev Rcd F17=Next Rcd F24=More Keys
    
```

**Step 10: Map the DTM Segment for the Invoice Date**

To select an EDI code to map to element sequence 10, complete the following instructions:

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

A pop-up window is displayed.

Opt	Rec	Type	No	Field Name	Typ	Len	Cde	Description
---	---	---	---	---	---	---	---	---
---	---	---	---	---	---	---	---	---
---	---	---	---	---	---	---	---	---
---	---	---	---	---	---	---	---	---
---	---	---	---	---	---	---	---	---
---	---	---	---	---	---	---	---	---

Opt	Target Field	Table ID	Ele	Sub	X	M	Ty	Description	Seq	ID C
13			1	1			M	ID DATE/TIME/PERIOD QUALI	10	2005
---										
---										
---										

2. Enter **1** next to the code 3 and press **Enter** to select it and populate the field. (You can position to the value as well). Optionally, you can enter the EDI code (enclosed in single quotes) directly into the field on the Split Screen Mapping Outbound panel.

Opt	Rec	Type	No	Field Name	Typ	Len	Cde	Description
---	---	---	---	---	---	---	---	---
---	---	---	---	---	---	---	---	---
---	---	---	---	---	---	---	---	---
---	---	---	---	---	---	---	---	---
---	---	---	---	---	---	---	---	---

Opt	Target Field	Table ID	Ele	Sub	X	M	Ty	Description	Seq	ID C
13			1	1			M	ID DATE/TIME/PERIOD QUALI	10	2005
---										
---										
---										

3. Enter **F010.IHINDT** in the Target field for element sequence 20 to map the message field or use option **1** to select the field from the top half.
4. Press **F17** (Next Rcd) to update the panel and advance to the next segment (DTM).

Opt	Rec	Type	No	Field Name	Typ	Len	Cde	Description
---	---	---	---	---	---	---	---	---
---	---	---	---	---	---	---	---	---
---	---	---	---	---	---	---	---	---
---	---	---	---	---	---	---	---	---
---	---	---	---	---	---	---	---	---
---	---	---	---	---	---	---	---	---

Opt	Target Field	Table ID	Ele	Sub	X	M	Ty	Description	Seq	ID C
'13'			1	1			M	ID DATE/TIME/PERIOD QUALI	10	2005
F010.IHINDT										
---										
---										



**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.

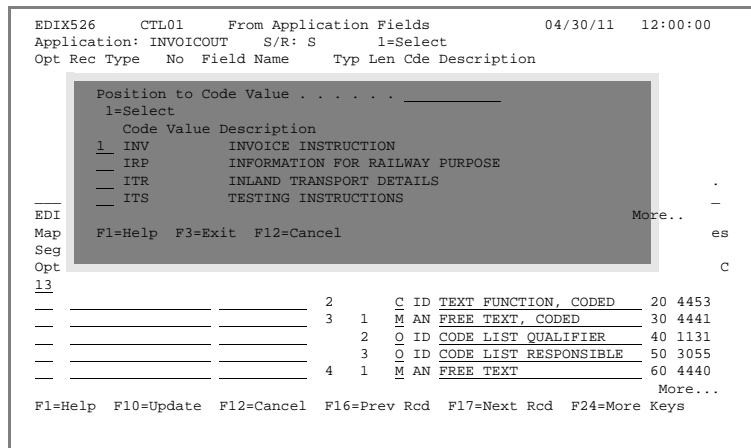
EDIX526		CTL01		From Application Fields				04/30/11	12:00:00		
Application:		INVOICOUT		S/R: S		1=Select					
Opt	Rec	Type	No	Field Name	Typ	Len	Cde	Description			
	WPEINVHDRE		5	F010.IHB2#	AN	9	M	BILLTO ACCT#			
	WPEINVHDRE		10	F010.IHINV#	AN	10	M	INVOICE #			
	WPEINVHDRE		15	F010.IHCRDB	AN	1	M	CREDIT/DEBIT 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:		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.

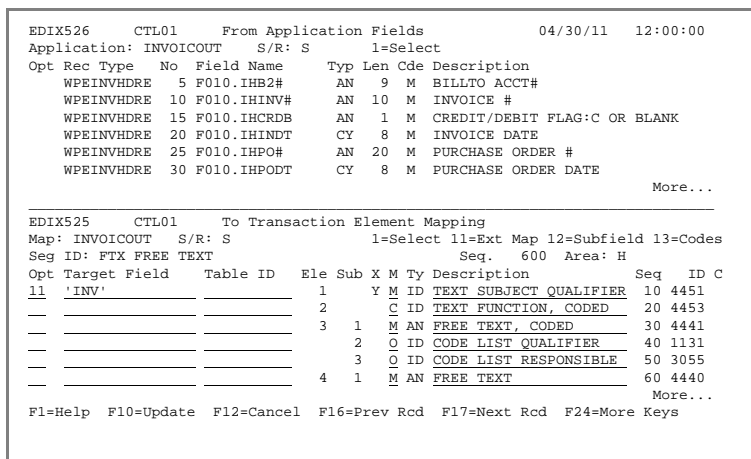


2. Enter **1** next to INV and press **Enter** to select it and populate the field.

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:

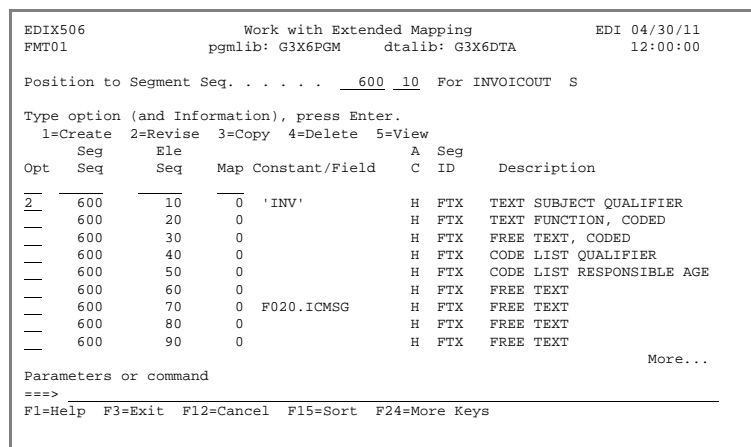
3. Enter **11** (Ext Map) in the Option field next to INV and press **Enter**.

The Work with Extended Mapping panel is displayed.



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

The Extended Outbound Mapping panel is displayed.



- 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 04/30/11
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          04/30/11  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    -----  2   0 AN FREE TEXT          70 4440
--                -----  3   0 AN FREE TEXT          80 4440
--                -----  4   0 AN FREE TEXT          90 4440
--                -----  5   0 AN FREE TEXT         100 4440
--                -----  5   C AN LANGUAGE, CODED       110 3453

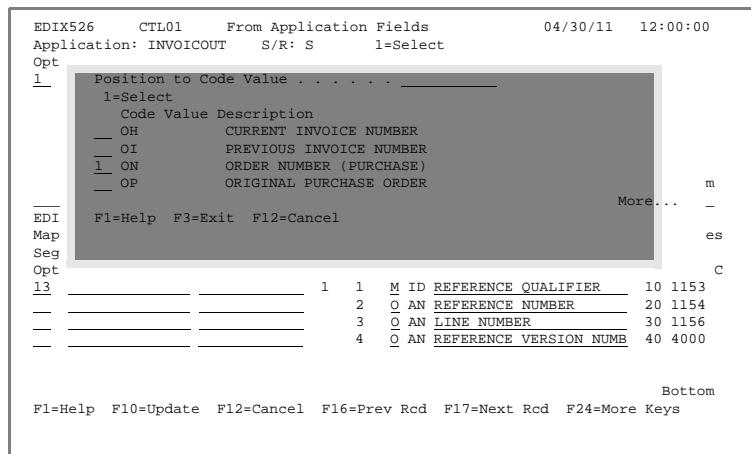
Bottom
F1=Help F10=Update F12=Cancel F16=Prev Rcd F17=Next Rcd F24=More Keys
    
```

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

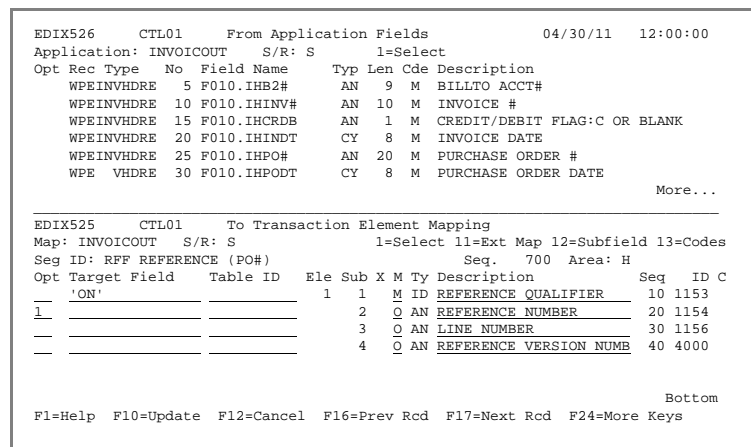
**Step 13: Map the RFF Segment**

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

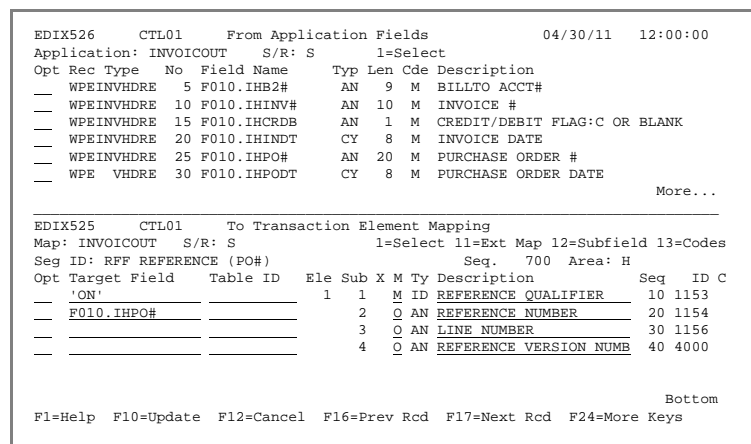
1. Enter **13** (Codes) in the Option field for element sequence 10 and press **Enter**.
2. In the pop-up window, enter **1** next to ON and press **Enter** to select the code and populate the field.



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



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).



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 04/30/11 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 04/30/11 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 04/30/11 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           04/30/11  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.IHPOH       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
---
                    4  O AN PARTY NAME          130 3036
                    5  O AN PARTY NAME          140 3036
                    6  O ID PARTY NAME FORMAT, COD 150 3045
F010.IHB2A1         5  1  M AN STREET AND NUMBER/P.O. 160 3042
F010.IHB2A2         2  O AN STREET AND NUMBER/P.O. 170 3042
                    3  O AN STREET AND NUMBER/P.O. 180 3042
More...

F1=Help F12=Cancel
    
```

```

EDIX526   CTL01   From Application Fields           04/30/11  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  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...

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 04/30/11 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 04/30/11 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 04/30/11 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           04/30/11  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
---
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
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           04/30/11  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
More...

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

- 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           04/30/11  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...
F1=Help F10=Update F12=Cancel F16=Prev Rcd F17=Next Rcd F24=More Keys
    
```

```

EDIX526   CTL01   From Application Fields           04/30/11  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...
F1=Help F10=Update F12=Cancel F16=Prev Rcd F17=Next Rcd F24=More Keys
    
```

```

EDIX526   CTL01   From Application Fields           04/30/11  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...
F1=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      04/30/11  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
---                  ---          ---
---                  ---          4   O AN PARTY NAME              130 3036
---                  ---          5   O AN PARTY NAME              140 3036
---                  ---          6   O ID PARTY NAME FORMAT, COD  150 3045
--- F010.IHR2A1        ---          5   1 M AN STREET AND NUMBER/P.O.  160 3042
--- F010.IHR2A2        ---          2   O AN STREET AND NUMBER/P.O.  170 3042
---                  ---          3   O AN STREET AND NUMBER/P.O.  180 3042
More...
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      04/30/11  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...

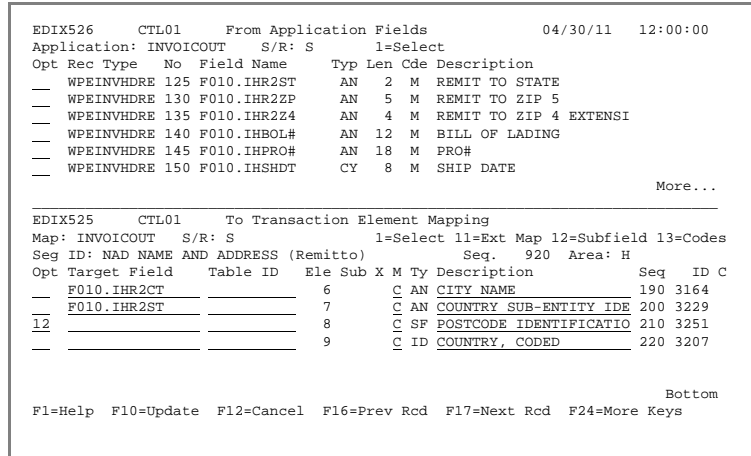
EDIX525      CTL01      To Transaction Element Mapping
Map: INVOICOUT  S/R: S      1=Select 11=Ext Map 12=Subfield 13=Codes
Seg ID: NAD NAME AND ADDRESS (Remitto)      Seq. 920 Area: H
Opt Target Field      Table ID      Ele Sub X M Ty Description      Seq ID C
---                  ---          ---
--- F010.IHR2CT        ---          6   C AN CITY NAME                190 3164
--- F010.IHR2ST        ---          7   C AN COUNTRY SUB-ENTITY IDE  200 3229
---                  ---          8   C SF 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
    
```

**Step 17: Subfield Map the Remit To NAD Segment**

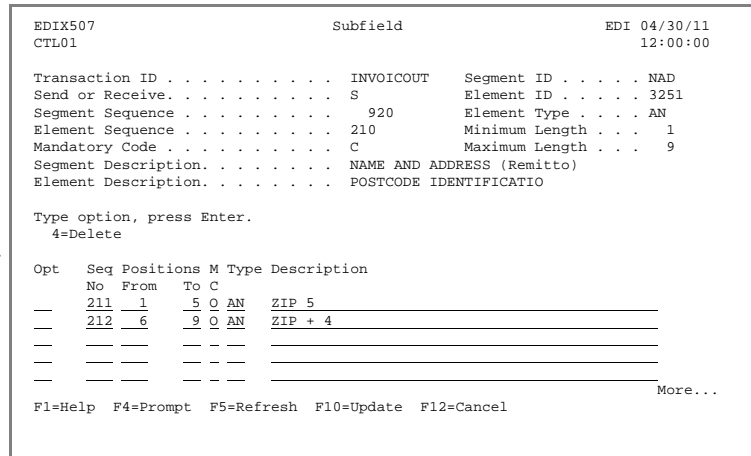
The postal code for the Remit To location consists of two fields: A five-character zip code and four character extension. These two fields can be mapped together by using subfield mapping, which allows the user to break a single element into multiple “sub-elements.” An application field, constant, or 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      04/30/11  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.IHR2ZP      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              04/30/11  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 04/30/11
FMT01      pgmlib: G3X6FGM      dtalib: G3X6DTA      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 04/30/11
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      04/30/11  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
--- 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 04/30/11 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 04/30/11 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 04/30/11 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 04/30/11 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 04/30/11 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 04/30/11 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 04/30/11 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 04/30/11 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 04/30/11 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 04/30/11 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 04/30/11 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           04/30/11  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'           -----  1      M AN SECTION IDENTIFICATION                               10  81

-----
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           04/30/11  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 Map Seg Opt
13 1 1 M ID CONTROL QUALIFIER 10 6069
2 2 M R CONTROL VALUE 20 6066
3 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           04/30/11  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'           -----  1      M ID CONTROL QUALIFIER                               10  6069
-- ACCUMULATOR-01 -----  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      04/30/11  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
  '128'          _____ 1   1  M  ID  MONETARY AMOUNT TYPE Q 10 5025
  _____      _____ 2   2  Q  R  MONETARY AMOUNT          20 5004
  _____      _____ 3   3  Q  AN CURRENCY, CODED        30 6345
  _____      _____ 4   4  Q  ID CURRENCY QUALIFIER      40 6343
  _____      _____ 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      04/30/11  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
  '128'          _____ 1   1  M  ID  MONETARY AMOUNT TYPE Q 10 5025
  _____      _____ 2   2  Q  R  MONETARY AMOUNT          20 5004
  _____      _____ 3   3  Q  AN CURRENCY, CODED        30 6345
  _____      _____ 4   4  Q  ID CURRENCY QUALIFIER      40 6343
  _____      _____ 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      04/30/11  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
  '128'          _____ 1   1  M  ID  MONETARY AMOUNT TYPE Q 10 5025
  F040.ISTAMT    _____ 2   2  Q  R  MONETARY AMOUNT          20 5004
  _____      _____ 3   3  Q  AN CURRENCY, CODED        30 6345
  _____      _____ 4   4  Q  ID CURRENCY QUALIFIER      40 6343
  _____      _____ 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**

Sterling 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 04/30/11
FMT01           pgmlib: G3X6PGM      dtalib: G3X6DTA      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   G
--- INVOIC     S   INVOIC    Edifact OB Invoice D:94B                SEC   P
--- INVOICOUT S   INVOICOUT Tutorial EDIFACT Invoice D:94B           CB    P
--- ORDERS     R   ORDERS    Edifact Inb Orders D:94B              CSG   P
--- ORDERSINB R   ORDERSINB Tutorial ORDERS Inbound D:94B           CB    G
--- POMAP4010 R   SEMPOAPPL Purchase Order Inbound 004010          EDI    P
--- SEMINMAP1 S   SEMINAPPL SEMINAR 810 OUTBOUND MAP 2040         CSG   P
More...

Parameters or command
====>
F1=Help  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 04/30/11
FMT01           pgmlib: G3X6PGM      dtalib: G3X6DTA      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
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 table, press **F12** (Cancel) until you return to the GENMAIN menu.

```

EDIX583          Code Translation          EDI 04/30/11
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        FOOT
--- 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          IBM® Sterling Gentran:Server® for iSeries® 3.6
                                     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. File Tracking Menu        (GENFILETRK)
 14. Sterling 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 04/30/11
FMT01           pgmlib: G3X6PGM   dtalib: G3X6DTA   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 04/30/11
FMT01           pgmlib: G3X6PGM   dtalib: G3X6DTA   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

Bottom
    
```

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.

```

EDIX041          Partner Transaction          EDI 04/30/11
FMT01                               12:00:00

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

Test or Production . . . . . _
Transaction Map ID Inbound . . . . .
Transa
Accept
Send T
Position to Transaction ID . . . . .
l=Select
Valida      Tran ID   S/R Appl ID   Description
Valida      INVOIC   S   INVOIC     Edifact OB Invoice D:94B
Expect      1 INVOICOUT S   INVOICOUT   Tutorial EDIFACT Invoice D:94B
Transa      SEMINMAP1 S   SEMINAPPL   SEMINAR 810 OUTBOUND MAP 2040
            TCOMINV8P S   TCOMINV8P   Tradacoms Invoice 8
More...

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

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.

```

EDIX041          Partner Transaction          EDI 04/30/11
FMT01                               12:00:00

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

Test or Production . . . . . _
Transaction Map ID Inbound . . . . .
Transaction Map ID Outbound. . . . . INVOICOUT
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
    
```

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.





**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 Sterling 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 Sterling Gentran:Server Processing menu (GENPRC) is displayed.

```

GENMAIN          IBM® Sterling Gentran:Server® for iSeries® 3.6
                                     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. File Tracking Menu        (GENFILETRK)
 14. Sterling Gentran:Server Search Index

Selection or command
====> 10

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

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          Sterling Gentran:Server Processing 3.6
                                     System:  ISDDEV01
Select one of the following:

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

Selection or command
====> 1

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

**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          IBM® Sterling Gentran:Server® for iSeries® 3.6
                                     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. File Tracking Menu       (GENFILETRK)
 14. Sterling 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          Sterling Gentran:Server Message Center 3.6
                                     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 (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

```

**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 04/30/11
FMT01                                pgmlib: G3X6PGM          dtalib: G3X6DTA          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
---             ---           ---           ---           ---
PRCTRNOU        16 Map Info/Edt Halt 04/30/11  12:00:00  PRCTRNOU      181580
PRCTRNRN        08 Map Err./Edt Info 04/30/11  12:00:00  PRCTRNRN      181139
PRCTRNOU        16 Map Info/Edt Halt 04/30/11  12:00:00  PRCTRNOU      180635
PRCTRNRN        00 Completed Normal 04/30/11  12:00:00  PRCTRNRN      173238
PRCTRNRN        00 Completed Normal 04/30/11  12:00:00  PRCTRNRN      172087
EXTRACT         00 Completed Normal 04/30/11  12:00:00  QPADEV0005    171898
EXTRACT         00 Completed Normal 04/30/11  12:00:00  QPADEV0005    171898
EXTRACT         00 Completed Normal 04/30/11  12:00:00  QPADEV0005    171898
EXTRACT         00 Completed Normal 04/30/11  12:00:00  QPADEV0005    171898
EXTRACT         00 Completed Normal 04/30/11  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 04/30/11
FMT01                                pgmlib: G3X6PGM          dtalib: G3X6DTA          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
---             ---           ---           ---           ---
PRCTRNOU        16 Map Info/Edt Halt 04/30/11  12:00:00  PRCTRNOU      181580
  User EDI      Cmd Name PRCTRNOU  Sts Complete  Msg Seq#      183
PRCTRNRN        08 Map Err./Edt Info 04/30/11  12:00:00  PRCTRNRN      181139
  User EDI      Cmd Name PRCTRNRN  Sts Complete  Msg Seq#      182
PRCTRNOU        16 Map Info/Edt Halt 04/30/11  12:00:00  PRCTRNOU      180635
  User EDI      Cmd Name PRCTRNOU  Sts Complete  Msg Seq#      181
PRCTRNRN        00 Completed Normal 04/30/11  12:00:00  PRCTRNRN      173238
  User EDI      Cmd Name PRCTRNRN  Sts Complete  Msg Seq#      180
PRCTRNRN        00 Completed Normal 04/30/11  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 04/30/11
FMT01                                pgmlib: G3X6PGM          dtalib: G3X6DTA          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 PRCTRNOU      16 Map Info/Edt Halt 04/30/11  12:00:00  PRCTRNOU      181580
  User EDI      Cmd Name PRCTRNOU  Sts Complete  Msg Seq#      183
PRCTRNRN        08 Map Err./Edt Info 04/30/11  12:00:00  PRCTRNRN      181139
  User EDI      Cmd Name PRCTRNRN  Sts Complete  Msg Seq#      182
PRCTRNOU        16 Map Info/Edt Halt 04/30/11  12:00:00  PRCTRNOU      180635
  User EDI      Cmd Name PRCTRNOU  Sts Complete  Msg Seq#      181
PRCTRNRN        00 Completed Normal 04/30/11  12:00:00  PRCTRNRN      173238
  User EDI      Cmd Name PRCTRNRN  Sts Complete  Msg Seq#      180
PRCTRNRN        00 Completed Normal 04/30/11  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  04/30/11
FMT01                               12:00:00

Process Name . . . . . PRCTRNOU          Job Name . . . . . PRCTRNOU
Created Date . . . . . 04/30/11          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
  5 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  04/30/11
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 04/30/11
FMT01                                pgmlib: G3X6PGM                                dtalib: G3X6DTA                                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 04/30/11      12:00:00 PRCTRNOU                    181580
  User EDI                               Cmd Name PRCTRNOU                    Sts Complete                        Msg Seq#                               183
PRCTRNRN                               08 Map Err./Edt Info 04/30/11      12:00:00 PRCTRNRN                    181139
  User EDI                               Cmd Name PRCTRNRN                    Sts Complete                        Msg Seq#                               182
PRCTRNOU                               16 Map Info/Edt Halt 04/30/11      12:00:00 PRCTRNOU                    180635
  User EDI                               Cmd Name PRCTRNOU                    Sts Complete                        Msg Seq#                               181
PRCTRNRN                               00 Completed Normal 04/30/11      12:00:00 PRCTRNRN                    173238
  User EDI                               Cmd Name PRCTRNRN                    Sts Complete                        Msg Seq#                               180
PRCTRNRN                               00 Completed Normal 04/30/11      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          User Data  Status  Total  Current
5  QSYSVRT        QPRINT         EBDI042   RDY     1      1
  QPRINT          QPRINT         EBDI002   RDY     1      1
  QPJOBLOG        QEZJOBLOG      PRCTRNOU   RDY     15     1

                                           Bottom

Parameters for options 1, 2, 3 or command
====>
F3=Exit F10=View 3 F11=View 2 F12=Cancel F22=Printers F24=More keys
    
```

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

```

Display Spooled File
File . . . . . : QSYSVRT                      Page/Line  1/2
Control . . . . . :                          Columns   1 - 78
Find . . . . . :
*...+...1...+...2...+...3...+...4...+...5...+...6...+...7...+...
EBDI042  RUN 04/30/11      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

                                           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 Sterling Gentran:Server Audit menu (GENAUD) is displayed.

```

GENMAIN          IBM® Sterling Gentran:Server® for iSeries® 3.6          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. File Tracking Menu (GENFILETRK)
 14. Sterling 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          Sterling Gentran:Server Audit 3.6          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          04/30/11
FMT01           pgmlib: G3X6PGM          dtalib: G3X6DTA          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
                               ID  Doc Info          Ack Profile Sts
Opt Partner ID          Date          ID  Doc Info          Ack Profile Sts
12 COFFEE DIST          04/30/11  INVOIC INV456          CN3BSC  Q
  COFFEE DIST XXX      04/30/11  INVOIC INV456          CN3BSC  Q
  COFFEE DIST XXX      04/30/11  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      04/30/11
                                                                         12:00:00
Comm Profile Id . . . CN3BSC                Line Number . . . . 000001
Profile Seq . . . . . 000124                Status . . . . . Q
Add Date . . . . . 04/30/11                Batch Seq Number. . 0000162
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                Sterling Gentran:Server Audit 3.6                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
====> 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.

- Press **Enter**.

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

```

EDIX251                Work with Audit Interchange Status            EDI  04/30/11
FMT01                  pgmlib: G3X6PGM      dtalib: G3X6DTA          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 04/30/11 11:40
  COFFEE DIST                R 00000000000006 / /PI 04/30/11 11:26
  COFFEE DIST                S 00000000000024 / /Q 04/30/11 11:03
  COFFEE DIST                S 00000000000023 / /Q 04/30/11 10:59
  COFFEE DIST                S 00000000000022 / /Q 04/30/11 10:50
  COFFEE DIST                S 00000000000021 / /Q 04/30/11 10:42
  COFFEE DIST                S 000020          / /Q 04/30/11 13:22
  COFFEE DIST                S 00000019        / /Q 04/30/11 13:11
  COFFEE DIST                S 00000017        / /Q 04/30/11 12:36

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

```

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

- 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).

```

EDIX451                EDI Interchange Inquiry                EDI  04/30/11
                        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'

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

```

- 6. 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      04/30/11
                                                    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.
- 7. Press **F12** (Cancel) until you return to the EDI Interchange Inquiry pane (EDIX451).
  - 8. Move the cursor to the DTM Segment and press **Enter**.

```
EDIX455           Data Element Definition    EDI      04/30/11
                                                    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
```

- 9. 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      04/30/11
                                                    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 04/30/11
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 Sterling Gentran:Server.

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          IBM® Sterling Gentran:Server® for iSeries® 3.6
                                     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. File Tracking Menu         (GENFILETRK)
 14. Sterling 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          Sterling Gentran:Server System Administration 3.6
                                     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

```

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 04/30/11
FMT01                        pgmlib: G3X6PGM      dtalib: G3X6DTA      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
---   --           --      ---      ---      ---      ---      ---
___  04/30/11      12:00:00 EBDI02     F   0181580     614     4403
___  04/30/11      12:00:00 EBDI42     W   0181580     613     4389
___  04/30/11      12:00:00 EBDI41     W   0181139     612     4375
___  04/30/11      12:00:00 EBDI02     I   0181139     611     4357
___  04/30/11      12:00:00 EBDI01     I   0181139     610     4329
___  04/30/11      12:00:00 EBDI02     F   0180635     609     4310
___  04/30/11      12:00:00 EBDI42     W   0180635     608     4294
5  04/30/11      12:00:00 EBDI02     I   0171846     607     4260
___  04/30/11      12:00:00 EBDI01     I   0171846     606     4212
                                           More...

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 04/30/11
CTL01                        12:00:00

Job Number . . . . . 0171846
Process Name . . . . . EBDI02

EBDI002  RUN 04/30/11      TIME 12:00:00      EDITOR OUTBOUND PROCESSIN+
ERROR RECORD SEG ELT/COMP
NUMBR NUMBER ID NBR      INFORMATION      ERROR MESSAGE      +
INTERCHANGE = TDMTEST      -      TYPE = UNB      +
          2 UNB      PARTNER VERIFICATION      ID=TDMTEST      +
GROUP      = TDMTEST      -      TYPE =      +
TRANSACTION =      TYPE = CONTRL      +
          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 Sterling 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 04/30/11
FMT01                        pgmlib: G3X6PGM      dtalib: G3X6DTA      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_  04/30/11    12:00:00  EBDI02     F      0181580      614      4403
6_  04/30/11    12:00:00  EBDI42     W      0181580      613      4389
   04/30/11    12:00:00  EBDI41     W      0181139      612      4375
   04/30/11    12:00:00  EBDI02     I      0181139      611      4357
   04/30/11    12:00:00  EBDI01     I      0181139      610      4329
   04/30/11    12:00:00  EBDI02     F      0180635      609      4310
   04/30/11    12:00:00  EBDI42     W      0180635      608      4294
   04/30/11    12:00:00  EBDI02     I      0171846      607      4260
   04/30/11    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).



# Notices

This information was developed for products and services offered in the U.S.A.

IBM may not offer the products, services, or features discussed in this document in other countries. Consult your local IBM representative for information on the products and services currently available in your area. Any reference to an IBM product, program, or service is not intended to state or imply that only that IBM product, program, or service may be used. Any functionally equivalent product, program, or service that does not infringe any IBM intellectual property right may be used instead. However, it is the user's responsibility to evaluate and verify the operation of any non-IBM product, program, or service.

IBM may have patents or pending patent applications covering subject matter described in this document. The furnishing of this document does not grant you any license to these patents. You can send license inquiries, in writing, to:

IBM Director of Licensing

IBM Corporation

North Castle Drive

Armonk, NY 10504-1785

U.S.A.

For license inquiries regarding double-byte character set (DBCS) information, contact the IBM Intellectual

Property Department in your country or send inquiries, in writing, to:

Intellectual Property Licensing

Legal and Intellectual Property Law

IBM Japan Ltd.

1623-14, Shimotsuruma, Yamato-shi

Kanagawa 242-8502 Japan

**The following paragraph does not apply to the United Kingdom or any other country where such provisions are inconsistent with local law: INTERNATIONAL BUSINESS MACHINES CORPORATION PROVIDES THIS PUBLICATION "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF NON-INFRINGEMENT, MERCHANTABILITY OR FITNESS**

---

FOR A PARTICULAR PURPOSE. Some states do not allow disclaimer of express or implied warranties in certain transactions, therefore, this statement may not apply to you.

This information could include technical inaccuracies or typographical errors. Changes are periodically made to the information herein; these changes will be incorporated in new editions of the publication. IBM may make improvements and/or changes in the product(s) and/or the program(s) described in this publication at any time without notice.

Any references in this information to non-IBM Web sites are provided for convenience only and do not in any manner serve as an endorsement of those Web sites. The materials at those Web sites are not part of the materials for this IBM product and use of those Web sites is at your own risk.

IBM may use or distribute any of the information you supply in any way it believes appropriate without incurring any obligation to you.

Licensees of this program who wish to have information about it for the purpose of enabling: (i) the exchange of information between independently created programs and other programs (including this one) and (ii) the mutual use of the information which has been exchanged, should contact:

IBM Corporation

J46A/G4

555 Bailey Avenue

San Jose, CA\_\_95141-1003

U.S.A.

Such information may be available, subject to appropriate terms and conditions, including in some cases, payment of a fee.

The licensed program described in this document and all licensed material available for it are provided by IBM under terms of the IBM Customer Agreement, IBM International Program License Agreement or any equivalent agreement between us.

Any performance data contained herein was determined in a controlled environment. Therefore, the results obtained in other operating environments may vary significantly. Some measurements may have been made on development-level systems and there is no guarantee that these measurements will be the same on generally available systems. Furthermore, some measurements may have been estimated through extrapolation. Actual results may vary. Users of this document should verify the applicable data for their specific environment.

Information concerning non-IBM products was obtained from the suppliers of those products, their published announcements or other publicly available sources. IBM has not tested those products and cannot confirm the accuracy of performance, compatibility or any other claims related to non-IBM products. Questions on the capabilities of non-IBM products should be addressed to the suppliers of those products.

All statements regarding IBM's future direction or intent are subject to change or withdrawal without notice, and represent goals and objectives only.

---

This information is for planning purposes only. The information herein is subject to change before the products described become available. This information contains examples of data and reports used in daily business operations. To illustrate them as completely as possible, the examples include the names of individuals, companies, brands, and products. All of these names are fictitious and any similarity to the names and addresses used by an actual business enterprise is entirely coincidental.

#### COPYRIGHT LICENSE:

This information contains sample application programs in source language, which illustrate programming techniques on various operating platforms. You may copy, modify, and distribute these sample programs in any form without payment to IBM, for the purposes of developing, using, marketing or distributing application programs conforming to the application programming interface for the operating platform for which the sample programs are written. These examples have not been thoroughly tested under all conditions. IBM, therefore, cannot guarantee or imply reliability, serviceability, or function of these programs. The sample programs are provided "AS IS", without warranty of any kind. IBM shall not be liable for any damages arising out of your use of the sample programs.

Each copy or any portion of these sample programs or any derivative work, must include a copyright notice as follows:

© IBM 2011. Portions of this code are derived from IBM Corp. Sample Programs.

© Copyright IBM Corp. 2011.

If you are viewing this information softcopy, the photographs and color illustrations may not appear.

## Trademarks

IBM, the IBM logo, and ibm.com are trademarks or registered trademarks of International Business Machines Corp., registered in many jurisdictions worldwide. Other product and service names might be trademarks of IBM or other companies. A current list of IBM trademarks is available on the Web at "[Copyright and trademark information](http://www.ibm.com/legal/copytrade.shtml)" at [www.ibm.com/legal/copytrade.shtml](http://www.ibm.com/legal/copytrade.shtml).

Adobe, the Adobe logo, PostScript, and the PostScript logo are either registered trademarks or trademarks of Adobe Systems Incorporated in the United States, and/or other countries.

IT Infrastructure Library is a registered trademark of the Central Computer and Telecommunications Agency which is now part of the Office of Government Commerce.

Intel, Intel logo, Intel Inside, Intel Inside logo, Intel Centrino, Intel Centrino logo, Celeron, Intel Xeon, Intel SpeedStep, Itanium, and Pentium are trademarks or registered trademarks of Intel Corporation or its subsidiaries in the United States and other countries.

Linux is a registered trademark of Linus Torvalds in the United States, other countries, or both.

Microsoft, Windows, Windows NT, and the Windows logo are trademarks of Microsoft Corporation in the United States, other countries, or both.

---

ITIL is a registered trademark, and a registered community trademark of the Office of Government Commerce, and is registered in the U.S. Patent and Trademark Office.

UNIX is a registered trademark of The Open Group in the United States and other countries.

Java and all Java-based trademarks and logos are trademarks or registered trademarks of Oracle and/or its affiliates.

Cell Broadband Engine is a trademark of Sony Computer Entertainment, Inc. in the United States, other countries, or both and is used under license therefrom.

Linear Tape-Open, LTO, the LTO Logo, Ultrium and the Ultrium Logo are trademarks of HP, IBM Corp. and Quantum in the U.S. and other countries.

Connect Control Center®, Connect:Direct®, Connect:Enterprise, Gentran®, Gentran:Basic®, Gentran:Control®, Gentran:Director®, Gentran:Plus®, Gentran:Realtime®, Gentran:Server®, Gentran:Viewpoint®, Sterling Commerce™, Sterling Information Broker®, and Sterling Integrator® are trademarks or registered trademarks of Sterling Commerce, Inc., an IBM Company.

Other company, product, and service names may be trademarks or service marks of others.

# 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).

Sterling Gentran:Server differentiates between inbound acknowledgments (those from your Trading Partner), and outbound acknowledgments (those to go to your Trading Partner). Sterling 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 Sterling Gentran:Server: 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 Sterling Gentran:Server is a file created using DDS.
- An internal file to Sterling Gentran:Server 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 Sterling Gentran:Server 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 Sterling Gentran:Server 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 Sterling Gentran:Server as the fields that should be used by Sterling Gentran:Server for key fields for the logical file that Sterling Gentran:Server 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.

### **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 Sterling Gentran:Server 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.

Sterling 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 Sterling Gentrans: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 Sterling Gentran:Server user's profile that contains parameters specific to the environment in which the user runs Sterling 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 Sterling Gentran:Server.

### **EOT**

End of Transmission

### **Field**

The smallest item of information in a record.

### **Function**

In Sterling 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 Sterling 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 Sterling 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 Sterling Gentrans: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 Sterling Gentrans: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.

### **Sterling B2B Collaboration Network**

IBM's value-added network (VAN).

### **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 Sterling Gentran:Server. 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 Sterling Gentran:Server cannot determine key information necessary in order to continue processing, the data is placed in the Suspense File. Suspended data is in error and the Editor and/or Mapping Reports can be evaluated to determine the cause of the suspension. Typically, suspension occurs when the Partner ID cannot be found in the Partner file for whom the data is destined or the Transaction ID cannot be found to instruct the Mapper how to move the data between formats.

### **Trading Partner**

A Trading Partner is any organization with whom you do business. Typically, Trading Partners are customers, suppliers, and intra-company divisions.

### Transaction ID

Within Sterling 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 Sterling Gentran:Server by the Inbound and Outbound Mappers during PRCTRNIN and PRCTRNOUT.

### User ID

The User ID refers to an individual defined in the Environment Control subsystem as someone who can access Sterling Gentran:Server. The Sterling 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 Sterling 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 Sterling 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 Sterling 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 Sterling Gentran:Server-specific commands. Command line authority is maintained within Sterling Gentran:Server's “Work with” panels.



# Index

## A

- Application definition
  - accessing the subsystem 4-2, 9-2
  - customizing application records/files 4-4
  - customizing detail application fields 4-5
  - customizing header application fields 4-5
  - defined 4-1
  - revising application fields 9-5
  - revising the application files 9-4
  - updating the application partner reference 9-6
  - What is an application definition? 9-1
  - Work with Application Definition panel (EDIX550-FMT01) 4-2, 9-2

Application Definition subsystem 4-2

Application ID 4-1, 4-2, 4-4, 9-1  
defining 9-3

Application ID, defined 4-2

## Audit

- accessing the EDI data 6-10, 11-9
- accessing the subsystem 6-7, 11-8
- Data Element Definition panel (EDIX455) 6-11

## C

- Copy segments from standards 10-5
- Create the partner ID 3-2
- Creating an inbound transaction map 5-1
- Creating an outbound transaction map 10-1

## D

- Data Element Definition panel (EDIX455) 6-11
- DDS 9-3
- Detail application fields, customizing 4-5

## E

- EDI Monitor
  - printing EDI Monitor reports 6-15, 11-16
- EDI Monitor Inquiry panel (EDIX311-CTL01) 6-14, 11-15

## G

- GENCOM menu 2-2
- GENMAIN 2-1, 4-2, 4-5

## H

- Header application fields, customizing 4-5

## I

- If-conditions
  - using in mapping 10-14
- Inbound application definition
  - setting up 4-1
- Inbound mapping
  - Copy Segments from Standard panel 5-5
- Inbound Overview 1-1
- Inbound overview 1-1
- Inbound processing 6-1
- Inbound transaction map
  - extended mapping for PO number 5-9
  - map DTM segment using extended mapping 5-10
  - map IMD segment 5-18
  - map LIN segment 5-14
  - map NAD segment 5-12
  - map PRI segment 5-20
  - map QTY segment 5-19
  - mapping BGM segment 5-8
  - required segments 5-5

## M

- Map 10-30
- Mapping Menu (GENMAP) 5-2, 10-2
- Message Center
  - access 6-3, 11-3
  - access entries logged in 11-3
  - display details for job 6-4, 11-4

## O

- Outbound application definition
  - setting up 9-1
- Outbound mapping
  - BGM segment 10-11
  - Billto NAD segment 10-17
  - copy segments from standards 10-5
  - copying segments for manual loops 10-9
  - CTT segment 10-31
  - defining a new transaction ID 10-4
  - determining a new transaction ID 10-3
  - DTM segment 10-12

- element mapping 10-10
  - FTX segment 10-14
  - IMD segment 10-28
  - mapping LIN segment 10-25, 10-26
  - MOA segment 10-32
  - modifying segment information 10-7
  - PIA segment 10-27
  - PRI segment 10-30
  - QTY segment 10-29
  - Remit To NAD segment 10-21
  - required segments for tutorial 10-5
  - RFF segment 10-16
  - second DTM segment 10-13
  - Shipto NAD segment 10-19
  - subfield map NAD segment, Remit To 10-23
  - UNS segment 10-31
  - update partner with new map 10-34
  - view a code translation table 10-33
- O**
- Outbound overview 7-1
  - Outbound processing 6-1
    - access spooled files for job 11-6
    - search for document 11-9
  - Outbound processing reports 11-6
- P**
- Partner
    - Partner Control panel (EDIX012-FMT01) 3-2, 8-2
    - Updating Application Partner Reference 9-6
    - Work with Partners panel (EDIX005-FMT01) 3-2, 8-2
  - Partner Control panel (EDIX012-FMT01) 3-2, 8-2
  - Partner cross references 3-9
  - Partner Transactions panel 3-4
- P**
- Processing
    - accessing 11-1
    - inbound 6-1
    - outbound 6-1, 11-2
  - Processing subsystem, accessing 6-2
- Q**
- Queue
    - see Inbound queue 2-1
    - see Outbound queue 2-1
- S**
- Setting up a partner 3-1, 8-1
    - add partner cross references 3-9
    - add partner transactions 3-4
    - create the partner ID 3-2
    - update name and address information 3-8
  - Setting up an inbound application definition 4-1
  - Setting up an outbound application definition 9-1
  - Sign on to GENTRAN 7-3
  - Split screen mapping 10-10
- T**
- Transaction Map Definition panel (EDIX503-FMT01) 5-4, 10-4
  - Transaction map, defined 5-1
  - Transaction mapping
    - BGM segment (inbound) 5-8
    - copy segments from Standard panel 5-5
    - creating a new transaction ID 5-3
    - defining a new transaction ID 5-4
    - DTM segment using extended mapping (inbound) 5-10
    - element mapping inbound 5-7
    - extended mapping for PO number (inbound) 5-9
    - FTX segment (outbound) 10-14
    - IMD segment (inbound) 5-18
    - LIN segment (inbound) 5-14
    - NAD segment (inbound) 5-12
    - PRI segment (inbound) 5-20
    - QTY segment (inbound) 5-19
    - required segments (inbound) 5-5
    - Transaction Map Definition panel (EDIX503-FMT01) 5-4, 10-4
    - Work with Transaction Mapping panel (EDIX500-FMT01) 5-3, 10-3
  - Transaction Mapping subsystem 5-2, 10-2
- V**
- Viewing the EDI data 2-1
    - inbound 2-1
    - reset the status 2-3
- W**
- What is a partner? 3-1
  - What is a transaction map? 5-1, 10-1
  - What is an application definition? 4-1
  - What is processing? 6-1
  - Work with Application Definition panel 4-2, 9-6
  - Work with communications 2-1
  - Work with Partners panel (EDIX005-FMT01) 3-2, 8-2
  - Work with Transaction Mapping panel (EDIX500-FMT01) 5-3, 10-3