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# PeopleSoft EnterpriseOne Application Fundamentals Interoperability 8.11 PeopleBook

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## Preface

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# About This PeopleBook Preface

PeopleBooks provide you with the information that you need to implement and use PeopleSoft applications.

This preface discusses:

- PeopleSoft application prerequisites.
- PeopleSoft application fundamentals.
- Documentation updates and printed documentation.
- Additional resources.
- Typographical conventions and visual cues.
- Comments and suggestions.
- Common elements in PeopleBooks.

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**Note.** PeopleBooks document only page elements, such as fields and check boxes, that require additional explanation. If a page element is not documented with the process or task in which it is used, then either it requires no additional explanation or it is documented with common elements for the section, chapter, PeopleBook, or product line. Elements that are common to all PeopleSoft applications are defined in this preface.

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## PeopleSoft Application Prerequisites

To benefit fully from the information that is covered in these books, you should have a basic understanding of how to use PeopleSoft applications.

You might also want to complete at least one PeopleSoft introductory training course, if applicable.

You should be familiar with navigating the system and adding, updating, and deleting information by using PeopleSoft menus, and pages, forms, or windows. You should also be comfortable using the World Wide Web and the Microsoft Windows or Windows NT graphical user interface.

These books do not review navigation and other basics. They present the information that you need to use the system and implement your PeopleSoft applications most effectively.

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## PeopleSoft Application Fundamentals

Each application PeopleBook provides implementation and processing information for your PeopleSoft applications. For some applications, additional, essential information describing the setup and design of your system appears in a companion volume of documentation called the application fundamentals PeopleBook. Most PeopleSoft product lines have a version of the application fundamentals PeopleBook. The preface of each PeopleBook identifies the application fundamentals PeopleBooks that are associated with that PeopleBook.

The application fundamentals PeopleBook consists of important topics that apply to many or all PeopleSoft applications across one or more product lines. Whether you are implementing a single application, some combination of applications within the product line, or the entire product line, you should be familiar with the contents of the appropriate application fundamentals PeopleBooks. They provide the starting points for fundamental implementation tasks.

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## Documentation Updates and Printed Documentation

This section discusses how to:

- Obtain documentation updates.
- Order printed documentation.

### Obtaining Documentation Updates

You can find updates and additional documentation for this release, as well as previous releases, on the PeopleSoft Customer Connection website. Through the Documentation section of PeopleSoft Customer Connection, you can download files to add to your PeopleBook Library. You'll find a variety of useful and timely materials, including updates to the full PeopleSoft documentation that is delivered on your PeopleBooks CD-ROM.

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**Important!** Before you upgrade, you must check PeopleSoft Customer Connection for updates to the upgrade instructions. PeopleSoft continually posts updates as the upgrade process is refined.

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### See Also

PeopleSoft Customer Connection, <https://www.peoplesoft.com/corp/en/login.jsp>

### Ordering Printed Documentation

You can order printed, bound volumes of the complete PeopleSoft documentation that is delivered on your PeopleBooks CD-ROM. PeopleSoft makes printed documentation available for each major release shortly after the software is shipped. Customers and partners can order printed PeopleSoft documentation by using any of these methods:

- Web
- Telephone
- Email

#### Web

From the Documentation section of the PeopleSoft Customer Connection website, access the PeopleBooks Press website under the Ordering PeopleBooks topic. The PeopleBooks Press website is a joint venture between PeopleSoft and MMA Partners, the book print vendor. Use a credit card, money order, cashier's check, or purchase order to place your order.

#### Telephone

Contact MMA Partners at 877 588 2525.

## Email

Send email to MMA Partners at [peoplesoftpress@mmapartner.com](mailto:peoplesoftpress@mmapartner.com).

## See Also

PeopleSoft Customer Connection, <https://www.peoplesoft.com/corp/en/login.jsp>

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## Additional Resources

The following resources are located on the PeopleSoft Customer Connection website:

| Resource                                                   | Navigation                                                                                                                                                                                 |
|------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Application maintenance information                        | Updates + Fixes                                                                                                                                                                            |
| Business process diagrams                                  | Support, Documentation, Business Process Maps                                                                                                                                              |
| Interactive Services Repository                            | Interactive Services Repository                                                                                                                                                            |
| Hardware and software requirements                         | Implement, Optimize + Upgrade, Implementation Guide, Implementation Documentation & Software, Hardware and Software Requirements                                                           |
| Installation guides                                        | Implement, Optimize + Upgrade, Implementation Guide, Implementation Documentation & Software, Installation Guides and Notes                                                                |
| Integration information                                    | Implement, Optimize + Upgrade, Implementation Guide, Implementation Documentation and Software, Pre-built Integrations for PeopleSoft Enterprise and PeopleSoft EnterpriseOne Applications |
| Minimum technical requirements (MTRs) (EnterpriseOne only) | Implement, Optimize + Upgrade, Implementation Guide, Supported Platforms                                                                                                                   |
| PeopleBook documentation updates                           | Support, Documentation, Documentation Updates                                                                                                                                              |
| PeopleSoft support policy                                  | Support, Support Policy                                                                                                                                                                    |
| Prerelease notes                                           | Support, Documentation, Documentation Updates, Category, Prerelease Notes                                                                                                                  |
| Product release roadmap                                    | Support, Roadmaps + Schedules                                                                                                                                                              |
| Release notes                                              | Support, Documentation, Documentation Updates, Category, Release Notes                                                                                                                     |
| Release value proposition                                  | Support, Documentation, Documentation Updates, Category, Release Value Proposition                                                                                                         |
| Statement of direction                                     | Support, Documentation, Documentation Updates, Category, Statement of Direction                                                                                                            |

| Resource                    | Navigation                                                |
|-----------------------------|-----------------------------------------------------------|
| Troubleshooting information | Support, Troubleshooting                                  |
| Upgrade documentation       | Support, Documentation, Upgrade Documentation and Scripts |

## Typographical Conventions and Visual Cues

This section discusses:

- Typographical conventions.
- Visual cues.
- Country, region, and industry identifiers.
- Currency codes.

### Typographical Conventions

This table contains the typographical conventions that are used in PeopleBooks:

| Typographical Convention or Visual Cue | Description                                                                                                                                                                                                                                                                                                                   |
|----------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Bold</b>                            | Indicates PeopleCode function names, business function names, event names, system function names, method names, language constructs, and PeopleCode reserved words that must be included literally in the function call.                                                                                                      |
| <i>Italics</i>                         | Indicates field values, emphasis, and PeopleSoft or other book-length publication titles. In PeopleCode syntax, italic items are placeholders for arguments that your program must supply.<br><br>We also use italics when we refer to words as words or letters as letters, as in the following: Enter the letter <i>O</i> . |
| KEY+KEY                                | Indicates a key combination action. For example, a plus sign (+) between keys means that you must hold down the first key while you press the second key. For ALT+W, hold down the ALT key while you press the W key.                                                                                                         |
| Monospace font                         | Indicates a PeopleCode program or other code example.                                                                                                                                                                                                                                                                         |
| “ ” (quotation marks)                  | Indicate chapter titles in cross-references and words that are used differently from their intended meanings.                                                                                                                                                                                                                 |

| Typographical Convention or Visual Cue | Description                                                                                                                                                                                |
|----------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| . . . (ellipses)                       | Indicate that the preceding item or series can be repeated any number of times in PeopleCode syntax.                                                                                       |
| { } (curly braces)                     | Indicate a choice between two options in PeopleCode syntax. Options are separated by a pipe (   ).                                                                                         |
| [ ] (square brackets)                  | Indicate optional items in PeopleCode syntax.                                                                                                                                              |
| & (ampersand)                          | When placed before a parameter in PeopleCode syntax, an ampersand indicates that the parameter is an already instantiated object.<br><br>Ampersands also precede all PeopleCode variables. |

## Visual Cues

PeopleBooks contain the following visual cues.

### Notes

Notes indicate information that you should pay particular attention to as you work with the PeopleSoft system.

---

**Note.** Example of a note.

---

If the note is preceded by *Important!*, the note is crucial and includes information that concerns what you must do for the system to function properly.

---

**Important!** Example of an important note.

---

### Warnings

Warnings indicate crucial configuration considerations. Pay close attention to warning messages.

---

**Warning!** Example of a warning.

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### Cross-References

PeopleBooks provide cross-references either under the heading “See Also” or on a separate line preceded by the word *See*. Cross-references lead to other documentation that is pertinent to the immediately preceding documentation.

## Country, Region, and Industry Identifiers

Information that applies only to a specific country, region, or industry is preceded by a standard identifier in parentheses. This identifier typically appears at the beginning of a section heading, but it may also appear at the beginning of a note or other text.

Example of a country-specific heading: “(FRA) Hiring an Employee”

Example of a region-specific heading: “(Latin America) Setting Up Depreciation”

## **Country Identifiers**

Countries are identified with the International Organization for Standardization (ISO) country code.

## **Region Identifiers**

Regions are identified by the region name. The following region identifiers may appear in PeopleBooks:

- Asia Pacific
- Europe
- Latin America
- North America

## **Industry Identifiers**

Industries are identified by the industry name or by an abbreviation for that industry. The following industry identifiers may appear in PeopleBooks:

- USF (U.S. Federal)
- E&G (Education and Government)

## **Currency Codes**

Monetary amounts are identified by the ISO currency code.

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# **Comments and Suggestions**

Your comments are important to us. We encourage you to tell us what you like, or what you would like to see changed about PeopleBooks and other PeopleSoft reference and training materials. Please send your suggestions to:

PeopleSoft Product Documentation Manager PeopleSoft, Inc. 4460 Hacienda Drive Pleasanton, CA 94588

Or send email comments to [doc@peoplesoft.com](mailto:doc@peoplesoft.com).

While we cannot guarantee to answer every email message, we will pay careful attention to your comments and suggestions.

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# **Common Elements Used in PeopleBooks**

### **Address Book Number**

Enter a unique number that identifies the master record for the entity. An address book number can be the identifier for a customer, supplier, company, employee, applicant, participant, tenant, location, and so on. Depending on the application, the field on the form might refer to the address book number as the customer number, supplier number, or company number, employee or applicant id, participant number, and so on.

|                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>As If Currency Code</b> | Enter the three-character code to specify the currency that you want to use to view transaction amounts. This code allows you to view the transaction amounts as if they were entered in the specified currency rather than the foreign or domestic currency that was used when the transaction was originally entered.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Batch Number</b>        | Displays a number that identifies a group of transactions to be processed by the system. On entry forms, you can assign the batch number or the system can assign it through the Next Numbers program (P0002).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Batch Date</b>          | Enter the date in which a batch is created. If you leave this field blank, the system supplies the system date as the batch date.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Batch Status</b>        | <p>Displays a code from user-defined code (UDC) table 98/IC that indicates the posting status of a batch. Values are:</p> <p><i>Blank:</i> Batch is unposted and pending approval.</p> <p><i>A:</i> The batch is approved for posting, has no errors and is in balance, but it has not yet been posted.</p> <p><i>D:</i> The batch posted successfully.</p> <p><i>E:</i> The batch is in error. You must correct the batch before it can post.</p> <p><i>P:</i> The system is in the process of posting the batch. The batch is unavailable until the posting process is complete. If errors occur during the post, the batch status changes to E.</p> <p><i>U:</i> The batch is temporarily unavailable because someone is working with it, or the batch appears to be in use because a power failure occurred while the batch was open.</p> |
| <b>Branch/Plant</b>        | Enter a code that identifies a separate entity as a warehouse location, job, project, work center, branch, or plant in which distribution and manufacturing activities occur. In some systems, this is called a business unit.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Business Unit</b>       | Enter the alphanumeric code that identifies a separate entity within a business for which you want to track costs. In some systems, this is called a branch/plant.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Category Code</b>       | Enter the code that represents a specific category code. Category codes are user-defined codes that you customize to handle the tracking and reporting requirements of your organization.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Company</b>             | Enter a code that identifies a specific organization, fund, or other reporting entity. The company code must already exist in the F0010 table and must identify a reporting entity that has a complete balance sheet.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Currency Code</b>       | Enter the three-character code that represents the currency of the transaction. PeopleSoft EnterpriseOne provides currency codes that are recognized by the International Organization for Standardization (ISO). The system stores currency codes in the F0013 table.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Document Company</b>    | <p>Enter the company number associated with the document. This number, used in conjunction with the document number, document type, and general ledger date, uniquely identifies an original document.</p> <p>If you assign next numbers by company and fiscal year, the system uses the document company to retrieve the correct next number for that company.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |

If two or more original documents have the same document number and document type, you can use the document company to display the document that you want.

**Document Number**

Displays a number that identifies the original document, which can be a voucher, invoice, journal entry, or time sheet, and so on. On entry forms, you can assign the original document number or the system can assign it through the Next Numbers program.

**Document Type**

Enter the two-character UDC, from UDC table 00/DT, that identifies the origin and purpose of the transaction, such as a voucher, invoice, journal entry, or time sheet. PeopleSoft EnterpriseOne reserves these prefixes for the document types indicated:

*P*: Accounts payable documents.

*R*: Accounts receivable documents.

*T*: Time and pay documents.

*I*: Inventory documents.

*O*: Purchase order documents.

*S*: Sales order documents.

**Effective Date**

Enter the date on which an address, item, transaction, or record becomes active. The meaning of this field differs, depending on the program. For example, the effective date can represent any of these dates:

- The date on which a change of address becomes effective.
- The date on which a lease becomes effective.
- The date on which a price becomes effective.
- The date on which the currency exchange rate becomes effective.
- The date on which a tax rate becomes effective.

**Fiscal Period and Fiscal Year**

Enter a number that identifies the general ledger period and year. For many programs, you can leave these fields blank to use the current fiscal period and year defined in the Company Names & Number program (P0010).

**G/L Date** (general ledger date)

Enter the date that identifies the financial period to which a transaction will be posted. The system compares the date that you enter on the transaction to the fiscal date pattern assigned to the company to retrieve the appropriate fiscal period number and year, as well as to perform date validations.

# PeopleSoft EnterpriseOne Application Fundamentals Interoperability Preface

This preface discusses:

- PeopleSoft products.
- PeopleSoft application fundamentals.
- Common elements used in this PeopleBook.

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## PeopleSoft Products

This PeopleBook refers to these PeopleSoft products:

- PeopleSoft EnterpriseOne Sales Order Management
- PeopleSoft EnterpriseOne Quality Management
- PeopleSoft EnterpriseOne Inventory Management
- PeopleSoft EnterpriseOne Procurement
- PeopleSoft EnterpriseOne Forecast Management
- PeopleSoft EnterpriseOne Product Data Management
- PeopleSoft EnterpriseOne Shop Floor Management
- PeopleSoft EnterpriseOne Accounts Payable
- PeopleSoft EnterpriseOne Accounts Receivable
- PeopleSoft EnterpriseOne General Accounting
- PeopleSoft EnterpriseOne Condition-Based Maintenance (CBM)

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## PeopleSoft Application Fundamentals

Additional, essential information describing the setup and design of the system appears in companion volumes of documentation called *PeopleSoft EnterpriseOne FMS 8.11 Application Fundamentals PeopleBook*, *PeopleSoft EnterpriseOne HCM 8.11 Application Fundamentals PeopleBook*, and *PeopleSoft EnterpriseOne CRM 8.11 Application Fundamentals PeopleBook*.

### See Also

*PeopleSoft EnterpriseOne Financial Management Solutions Application Fundamentals 8.11 PeopleBook*

*PeopleSoft EnterpriseOne Human Capital Management Application Fundamentals 8.11 PeopleBook*

*PeopleSoft EnterpriseOne Customer Relationship Management Application Fundamentals 8.11 PeopleBook*

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## Common Elements Used in This PeopleBook

|                                                       |                                                                                                                                                                                                                                                                                                                         |
|-------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Batch Number</b>                                   | <p>Enter the number that the transmitter assigns to the batch.</p> <p>During batch processing, the system assigns a new batch number to the PeopleSoft transactions for each control batch number it finds.</p>                                                                                                         |
| <b>Execute For Add</b>                                | <p>Enter a code that determines whether the batch application is used to process an added transaction record. Values are:</p> <p><i>1</i>: Use batch application to process an added transaction record.</p> <p><i>0</i>: Do not use batch application to process an added transaction record.</p>                      |
| <b>Execute For Del</b> (execute for deleted)          | <p>Enter a code that determines whether the batch application is used to process a deleted transaction record. Values are:</p> <p><i>1</i>: Use batch application to process a deleted transaction record.</p> <p><i>0</i>: Do not use batch application to process a deleted transaction record.</p>                   |
| <b>Execute For Inq</b> (execute for inquiry)          | <p>Enter a code that determines whether the batch application is used to process an inquiry of a transaction record. Values are:</p> <p><i>1</i>: Use batch application to process an inquiry of a transaction record.</p> <p><i>0</i>: Do not use batch application to process an inquiry of a transaction record.</p> |
| <b>Execute For Upd</b> (execute for update)           | <p>Enter a code that determines whether the batch application is used to process an updated transaction record. Values are:</p> <p><i>1</i>: Use batch application to process an updated transaction record.</p> <p><i>0</i>: Do not use batch application to process an updated transaction record.</p>                |
| <b>Ext API Exp Mode</b> (export API in external mode) | <p>Enter a code that determines whether the system exports the transaction record to an external API. Values are:</p> <p><i>1</i>: Export transaction record to an external API</p> <p><i>0</i>: Do not export transaction record to an external API</p>                                                                |
| <b>Ext DB Exp Mode</b> (export DB in external mode)   | <p>Enter a code that determines whether the transaction record should be exported to an external database. Values are:</p> <p><i>1</i>: Export transaction record to an external database.</p> <p><i>0</i>: Do not export transaction record to an external database.</p>                                               |
| <b>Flat File Exp Mode</b> (flat file export mode)     | <p>Enter a code that determines whether the transaction record should be exported to a flat file. Values are:</p> <p><i>1</i>: Export transaction record to a flat file.</p> <p><i>0</i>: Do not export transaction record to a flat file.</p>                                                                          |
| <b>Function Library</b>                               | <p>Enter the library for the function. This includes the path for the directory where the library exists.</p>                                                                                                                                                                                                           |
| <b>Function Name</b>                                  | <p>Enter the name of the function. You can define data export control for either a vendor-specific batch process or function. If you enter information in</p>                                                                                                                                                           |

|                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|-----------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                               | fields for vendor-specific batch processors or functions, the system uses the batch process.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Launch Immediately</b>                     | Enter a value that controls the immediate execution of a batch job. If the field is set to a <i>I</i> , the job executes immediately.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Order Type</b>                             | <p>Enter a code (00/DT) that identifies the type of document.</p> <p>This code also indicates the origin of the transaction. We have reserved document type codes for vouchers, invoices, receipts, and time sheets, which create automatic offset entries during the post program. (These entries are not self-balancing when you originally enter them.)</p> <p>We have defined these document types that should not be changed:</p> <p><i>P</i>: Accounts Payable documents</p> <p><i>R</i>: Accounts Receivable documents</p> <p><i>T</i>: Payroll documents</p> <p><i>I</i>: Inventory documents</p> <p><i>O</i>: Purchase Order Processing documents</p> <p><i>J</i>: General Accounting and Joint Interest Billing documents</p> <p><i>S</i>: Sales Order Processing documents</p>                                                                                    |
| <b>Transaction</b>                            | Enter the transaction type. This can be a UDC (00/DT) or a transaction type, such as, JDEVOUCH for voucher transactions.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Transaction Number</b>                     | <p>Enter the number that an Electronic Data Interchange (EDI) transmitter assigns to a transaction.</p> <p>In a non-EDI environment, you can assign any number that is meaningful to you to identify a transaction within a batch. It can be the same as a PeopleSoft EnterpriseOne document number.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>UBE Name</b> (universal batch engine name) | <p>Enter the name that identifies a system object. PeopleSoft EnterpriseOne architecture is object-based.</p> <p>Discrete software objects are the building blocks for all applications, and developers can reuse the objects in multiple applications. The Object Librarian tracks each object. Examples of system objects include:</p> <ul style="list-style-type: none"> <li>• Batch Applications (such as reports)</li> <li>• Interactive Applications</li> <li>• Business Views</li> <li>• Business Functions</li> <li>• Business Functions Data Structures</li> <li>• Event Rules</li> <li>• Media Object Data Structures</li> </ul> <p>You can define data export control for either a vendor-specific batch process or function.</p> <p>If you enter information in fields for vendor-specific batch processors or functions, the system uses the batch process.</p> |

|                                      |                                                                                                                                                                                                                                                                                                                                                                                                              |
|--------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>User ID</b> (user identification) | <p>Enter the source of the transaction.</p> <p>This can be an ID, a workstation, the address of an external system, a node on a network, and so on. This field helps identify both the transaction and its point of origin.</p>                                                                                                                                                                              |
| <b>Version</b>                       | <p>Enter a set of specifications that control how applications and reports run.</p> <p>You use versions to group and save a set of processing option values and data selection and sequencing options. Interactive versions are associated with applications (usually as a menu selection). Batch versions are associated with batch jobs or reports. To run a batch process, you must select a version.</p> |

# CHAPTER 1

## Getting Started with PeopleSoft EnterpriseOne Application Fundamentals Interoperability

This chapter discusses:

- Application Fundamentals Interoperability overview.
- Application Fundamentals Interoperability business processes.
- Application Fundamentals Interoperability integrations.
- Application Fundamentals Interoperability implementation.

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### Application Fundamentals Interoperability Overview

To fully cover the information requirements of an enterprise, companies sometimes use products from different software and hardware providers. Interoperability among different products is important to successfully implementing the enterprise solution. Full interoperability among different systems results in a flow of data between the systems that is seamless to the user. The interoperability function provides an interface that facilitates exchanging transactions, both inbound and outbound, with external systems.

#### Inbound Transactions

Interoperability for inbound transactions consists of these processes:

1. External systems send information to the interface tables using either an external program or flat files and the Inbound Flat File Conversion program. The party sending the information is responsible for conforming to format and other requirements for the interface tables.
2. You run a transaction process (a batch program) that validates the data, updates valid data to the PeopleSoft EnterpriseOne application tables, and sends action messages about incorrect data to the Work Center.
3. You use an inquiry function to interactively review and revise the incorrect data, and then run the transaction process again. You repeat this step as often as needed to correct errors.

#### Outbound Transactions

Interoperability for outbound transactions requires that you set a processing option specifying a transaction type. Additionally, some entry programs enable you to specify a version of the Master Business Function Processing Options program that, in turn, enables you to specify a version of the Interoperability Processing Options program. This is useful if you need to create personal version of the Interoperability Processing Options program to designate different transaction types.

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## Application Fundamentals Interoperability Business Processes

PeopleSoft EnterpriseOne Application Fundamentals Interoperability provides these business processes:

- Running the conversion program for inbound transactions.
- Reviewing and revising inbound interoperability transactions.
- Sending outbound transactions.
- Reviewing outbound transactions in the processing log.
- Purging interoperability transactions.

We discuss these business processes in the business process chapters in this PeopleBook.

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## Application Fundamentals Interoperability Integrations

You use interoperability to integrate PeopleSoft EnterpriseOne with external systems. You do not use interoperability to integrate PeopleSoft EnterpriseOne systems with other PeopleSoft EnterpriseOne systems.

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## Application Fundamentals Interoperability Implementation

This section provides an overview of the steps that are required to implement Interoperability.

In the planning phase of the implementation, take advantage of all PeopleSoft sources of information, including the installation guides and troubleshooting information. A complete list of these resources appears in the preface in the *About These PeopleBooks PeopleBook*, with information about where to find the most current version of each.

### Implementation Steps

Implementing PeopleSoft EnterpriseOne Interoperability for a particular system must be preceded by setting up the corresponding PeopleSoft EnterpriseOne system:

- PeopleSoft EnterpriseOne Sales Order Management
- PeopleSoft EnterpriseOne Quality Management
- PeopleSoft EnterpriseOne Inventory Management
- PeopleSoft EnterpriseOne Procurement
- PeopleSoft EnterpriseOne Forecast Management
- PeopleSoft EnterpriseOne Product Data Management
- PeopleSoft EnterpriseOne Shop Floor Management
- PeopleSoft EnterpriseOne Accounts Payable
- PeopleSoft EnterpriseOne Accounts Receivable

- PeopleSoft EnterpriseOne General Accounting
- PeopleSoft EnterpriseOne Condition-Based Maintenance (CBM)

The Getting Started chapter in the PeopleBook for each of these systems contains specific implementation information for that system.

This table lists the implementation step for Interoperability:

| Step                                                                                                      | Reference                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|-----------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1. Set up transaction types, data export controls, the flat-file cross-reference, and processing options. | Chapter 2, “Working with Interoperability for PeopleSoft EnterpriseOne Sales Order Management,” Setting Up Interoperability Transactions for PeopleSoft EnterpriseOne Sales Order Management, page 7; Chapter 3, “Working with Interoperability for PeopleSoft EnterpriseOne Quality Management,” Setting Up for Interoperability Transactions for PeopleSoft EnterpriseOne Quality Management, page 16; Chapter 4, “Working with PeopleSoft EnterpriseOne Inventory Management Interoperability,” Setting Up for Interoperability Transactions for PeopleSoft EnterpriseOne Inventory Management, page 26; Chapter 5, “Working with Interoperability for PeopleSoft EnterpriseOne Procurement,” Setting Up for Interoperability Transactions for PeopleSoft EnterpriseOne Procurement, page 39; Chapter 6, “Working With Interoperability for PeopleSoft EnterpriseOne Forecast Management,” Setting Up Interoperability Transactions for PeopleSoft EnterpriseOne Forecast Management, page 48; Chapter 7, “Working with Interoperability for PeopleSoft EnterpriseOne Product Data Management,” Setting Up for Interoperability Transactions for PeopleSoft EnterpriseOne Product Data Management, page 57; Chapter 8, “Working with Interoperability for PeopleSoft EnterpriseOne Shop Floor Management,” Setting Up Interoperability Transactions for PeopleSoft EnterpriseOne Shop Floor Management, page 68; Chapter 9, “Working with Interoperability for PeopleSoft EnterpriseOne Accounts Payable,” Setting Up Interoperability Transactions for PeopleSoft EnterpriseOne Accounts Payable, page 82; Chapter 10, “Working with Interoperability for PeopleSoft EnterpriseOne Accounts Receivable,” Reviewing and Revising Interoperability Transactions, page 92; Chapter 11, “Working with Interoperability for PeopleSoft EnterpriseOne General Ledger,” Setting Up Outbound Interoperability, page 97 and Chapter 12, “Working with PeopleSoft EnterpriseOne Condition-Based Maintenance Interoperability,” Working with the PeopleSoft EnterpriseOne Condition-Based Maintenance Interoperability Programs, page 103 |



## CHAPTER 2

# Working with Interoperability for PeopleSoft EnterpriseOne Sales Order Management

This chapter provides an overview of sales order management interoperability and discusses how to:

- Set up interoperability transactions for PeopleSoft EnterpriseOne Sales Order Management.
- Run the conversion program.
- Review and revise interoperability transactions.
- Work with subsystem processing in sales order entry.

---

## Understanding PeopleSoft EnterpriseOne Sales Order Management Interoperability

To fulfill the information requirements of an enterprise, companies sometimes use products from different software and hardware providers. For example, a company might receive purchase orders from customers and can automatically produce sales orders in PeopleSoft EnterpriseOne Sales Order Management.

Interoperability among different products is key to successfully implementing an enterprise solution. Full interoperability among different systems results in a flow of data among the different products that is transparent to the user. The system provides interoperability functions to facilitate the exchange of data with systems that are external to PeopleSoft EnterpriseOne Sales Order Management.

### Inbound Transactions

In an inbound transaction, you accept data from another system into PeopleSoft EnterpriseOne Sales Order Management. Interoperability for inbound transactions consists of these tasks:

1. The external system sends data to PeopleSoft EnterpriseOne Sales Order Management interface tables, which hold the data before it is copied to the application tables. The external system is responsible for conforming to the format and other requirements for the interface tables. If the external system cannot write the information in the required format, it can write the data to a flat file, and you can use the Inbound Flat File Conversion program to convert the data to the required format.
2. You run a transaction process (a batch program) that validates the data, updates valid data from the interface tables to the PeopleSoft application tables, and sends action messages to the Employee Work Center about invalid data.
3. You use an inquiry function to interactively review and revise the incorrect data, and then run the transaction process again. You repeat this step as often as needed to correct errors.

## Outbound Transactions

In an outbound transaction, you send data from PeopleSoft EnterpriseOne Sales Order Management to an external system. Interoperability for outbound transactions requires that you set a processing option specifying the transaction type. Using the master business function for the type of transaction, the system creates a copy of the transaction and places it in the interface table where external systems can access it.

See *PeopleSoft EnterpriseOne Data Interface for Electronic Data Interchange 8.11 PeopleBook*, “Processing EDI Documents”.

## Receiving Transactions

When receiving data, the system stores the unedited data sent from the external system in interface tables. For outbound transactions, the system writes data to the interface tables. The data is then sent to an external system. With this method, unedited transactions do not affect application tables. The next step is to run the appropriate transaction process to edit the transactions and update the appropriate application tables.

In order to be received into the interface tables, data from an external system must conform to the minimum field requirements specified for the interface table.

The receiving transaction process performs these tasks:

- Validates the data in the interface table to ensure that data is correct and conforms to the format defined for the application table system.
- Updates the associated application table with validated data.
- Produces a report that lists invalid transactions and sends an action message for each invalid transaction to the Work Center.
- Marks, in the interface tables, those transactions that have been successfully updated to the application tables.

If the report indicates errors, access the Work Center from the Workflow Management menu (G02) and review the messages in the message center. Then use the associated inquiry function to review and revise the transactions and rerun the transaction process.

---

**Note.** When you run the Inbound Flat File Conversion program (R47002C) and it completes successfully, the system automatically starts the transaction process if specified in the processing option for the conversion.

---

See Chapter 2, “Working with Interoperability for PeopleSoft EnterpriseOne Sales Order Management,” Reviewing and Revising Interoperability Transactions, page 11.

## Sending Transactions

You might send transactions you create or change in PeopleSoft EnterpriseOne Sales Order Management to an external system. For example, if the organization sends order acknowledgements to customers, you can use Interoperability transactions to convey order and price information.

The default outbound transaction is a copy of a data transaction after you created or changed it (an *after image*). With the system’s interoperability features, you can also send a copy of each transaction as it was before you changed it (a *before image*). Creating and sending before images requires additional processing time. To control the type of image, you set a processing option in the application programs that create transactions.

You can send transactions to an external system using any of these interoperability methods:

| Based On                    | Description                                                                                                                                                                                                                                                                                                                                                  |
|-----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Batch extraction processor  | When you run an extraction process, the application retrieves data from the EnterpriseOne application tables for the transaction and copies the data to the interface tables. The system then generates an audit report that lists the processed documents.                                                                                                  |
| Batch and subsystem process | All outbound master business functions used to create transactions have processing options that control the interoperability transaction. For batch and subsystem processing, you set up the processing options in the appropriate business function version for interoperability and then specify that application and version in the data export controls. |

In order to enable outbound processing, you must set a processing option in these PeopleSoft EnterpriseOne Sales Order Management programs:

- Sales Order Entry (P4210)
- Shipment Confirmation (P4205)

The system places a copy of the transaction in the interface table for that type of transaction. For example, when you run Sales Order Entry with the Interoperability processing option turned on, the system places a copy of sales order in the interface table. The data is then available for an external system to use.

---

## Setting Up Interoperability Transactions for PeopleSoft EnterpriseOne Sales Order Management

This section provides an overview of interoperability transaction setup and discusses how to:

- Set up transaction types.
- Set up data export controls.
- Set up the flat file cross-reference.

## Understanding Interoperability Transaction Setup for PeopleSoft EnterpriseOne Sales Order Management

External systems can use a variety of methods to send data to the interoperability interface tables. One method is to write the data to a flat file. If you use this method, the system converts the flat file to the interface table. In order for the system to convert data from the flat file to the interface table, you must identify the transaction, which includes this information:

- Transaction type, which is a unique description to identify the transaction
- Whether the transaction is inbound or outbound
- Record type, the data that is imported or exported
- The application, the source or destination of the transaction

You can set a processing option to start the transaction process automatically when the conversion completes successfully. The transaction process copies the data from the interface tables to the application tables, from which PeopleSoft EnterpriseOne Sales Order Management applications can access the data.

## Record Types Review

When you set up flat file cross-reference information, you must specify the record types. Record types indicate the sort of information that is exchanged among PeopleSoft EnterpriseOne Sales Order Management and external systems, such as addresses, header or detail transactions, text, or additional information.

You can review hard-coded record types in User Define Code (UDC) (00/RD). The system uses these codes to identify the forms from which the system stores information for outbound documents and to which the system stores information for inbound documents.

## Transaction Type Setup

In order to identify the transactions that the system uses in the flat-file cross reference, you can add codes, or transaction types, to the UDC (00/TT). After you set up the transaction type, you use the transaction type to identify whether the information exchange is inbound or outbound, and to identify the corresponding applications and versions. You must set up transaction types prior to defining data export controls and flat file cross-reference information.

## Data Export Control Setup

You define the export information for outbound transactions only. To set up data export controls properly, you must indicate the transaction, document type, batch application or function, and version from which the external system retrieves information from the interface tables.

You can define export controls based on either of these two options:

| Based On                  | Description                                                                                                                                                                     |
|---------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Function Name and Library | Specify a vendor-specific function name and library to identify the external custom program that accesses the PeopleSoft EnterpriseOne Sales Order Management interface tables. |
| UBE or batch processor    | Specify a vendor-specific outbound batch processor that accesses the PeopleSoft EnterpriseOne Sales Order Management interface tables.                                          |

## Flat File Cross-Reference Setup

Before you can convert a flat file, you must provide a cross-reference from the flat file fields to the interface table fields. When you exchange data between this system and an external system, you use flat file cross-reference information for these conditions:

- For inbound transactions for which the external system cannot write data to the interface tables in the required format for this system. In this case, the external system can write the data to a specific flat file for each transaction and record type.
- For outbound transactions for which this system cannot write data to the interface tables in the format that is required by the external system. In this case, this system can write the data to a specific flat file for each transaction and record type.

## Prerequisites

Before you complete the tasks in this section:

- Ensure that the flat file is a comma-delimited ASCII text (flat) file to which the workstation has read and write access.

- Ensure that the data conforms to the required format.

See *PeopleSoft EnterpriseOne Data Interface for Electronic Data Interchange 8.11 PeopleBook*, “Processing EDI Documents,” Understanding the Outbound Flat File Conversion Program.

- On the appropriate drives on the computer or network, set up the folders for the flat files.
- Define the data export controls for the type of outbound transaction. The system uses data export controls to determine the batch programs or business processes that third parties supply for use in processing transactions.

See [Chapter 2, “Working with Interoperability for PeopleSoft EnterpriseOne Sales Order Management,” Setting Up Data Export Controls, page 9.](#)

## Forms Used to Set Up PeopleSoft EnterpriseOne Sales Order Management Interoperability Transactions

| Form Name                     | Form ID | Navigation                                                                                                            | Usage                                                                                                                                                                                                                                                              |
|-------------------------------|---------|-----------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| User Defined Codes            | W0004AA | Sales Interoperability (G42A313), Transaction Type<br><br>On Work With User Defined Codes, click Add.                 | Set up transaction types.<br><br>For every transaction type, you must set up data export controls. If you cannot transfer or receive information with an external system, then you use the transaction type when you set up flat-file cross-reference information. |
| Data Export Control Revisions | W0047C  | Sales Interoperability (G42A313), Data Export Controls                                                                | Set up data export controls.                                                                                                                                                                                                                                       |
| Flat File Cross-Reference     | W47002B | Sales Interoperability (G42A313), Flat File Cross Reference<br><br>On Work With Flat File Cross-Reference, click Add. | Set up the flat file cross-reference.                                                                                                                                                                                                                              |

### Setting Up Transaction Types

Access the User Defined Codes form.

### Setting Up Data Export Controls

Access the Data Export Control Revisions form.

### Setting Up the Flat File Cross-Reference

Access the Work With Flat File Cross-Reference form.

---

## Running the Conversion Program

This section provides an overview of the conversion program and discusses how to:

- Run the Inbound Flat File Conversion program (R47002C).
- Set processing options for the Inbound Flat File Conversion program (R47002C).

### Understanding the Conversion Program

You use the Inbound Flat File Conversion program (R47002C) to import flat files into PeopleSoft EnterpriseOne Sales Order Management interface tables. You can create a separate version of the Inbound Flat File Conversion program for each interface table. This program recognizes both the flat file from which it reads and the record types UDC (00/RD) within the flat file. Each flat file contains records of differing lengths, based on the interface table record to which they correspond. The Inbound Flat File Conversion program uses the Flat File Cross-Reference Table (F47002) to convert the flat file into the interface tables. F47002 indicates to the conversion program which flat file to read from, based on the transaction type that you are receiving.

The conversion program reads each record in the flat file and maps the record data into each field of the interface tables, based on the text qualifiers and field delimiters that are specified in the flat file.

The conversion program inserts the field data as one complete record in the interface table. If the conversion program encounters an error while converting data, it withholds the data in error and continues processing the conversion. If the data is successfully converted, the system automatically starts the transaction process for that interface table, provided that you set the processing options in the conversion program to do so.

Interface tables: conversion program for Interoperability

See [Chapter 2, “Working with Interoperability for PeopleSoft EnterpriseOne Sales Order Management,” Setting Processing Options for the Inbound Flat File Conversion Program \(R47002C\), page 10.](#)

### Running the Inbound Flat File Conversion Program (R47002C)

Select Sales Interoperability (G47311), Inbound Flat File Conversion.

### Setting Processing Options for the Inbound Flat File Conversion Program (R47002C)

Processing options enable you to specify the default processing for programs and reports.

For programs, you can specify options such as the default values for specific transactions, whether fields appear on a form, and the version of the program that you want to run.

For reports, processing options enable you to specify the information that appears on reports. For example, you set a processing option to include the fiscal year or the number of aging days on a report.

Do not modify EnterpriseOne demo versions, which are identified by ZJDE or XJDE prefixes. Copy these versions or create new versions to change any values, including the version number, version title, prompting options, security, and processing options.

### Transaction

Although processing options are set up during EnterpriseOne implementation, you can change processing options each time you run a program.

- 1. Enter the transaction to process.** Specify the type of transaction (00/TT) to be processed.  
This value is intended to identify the interoperability transaction type to execute to convert the flat file.

## Separators

Although processing options are set up during EnterpriseOne implementation, you can change processing options each time you run a program.

- 1. Enter the field delimiter.** Specify the separator used to delineate fields.  
The field delimiter is used by the system to identify field separation. For example, if you specify the field delimiter is as a comma (,), order number and order type flat file entries would be:  
“Order Number”, “Order Type:
- 2. Enter the text qualifier.** Specify the text qualifier that surrounds text value objects.

## Process

Although processing options are set up during EnterpriseOne implementation, you can change processing options each time you run a program.

- 1. Enter the inbound processor to run after successful completion of the conversion.** Specify the batch processor to run after successful completion of the conversion.
- 2. Enter the version for the inbound processor.** Indicate the version of inbound processor to utilize during inbound conversion.  
Blank: XJDE0001

---

# Reviewing and Revising Interoperability Transactions

This section provides an overview of reviewing and revising interoperability transactions and discusses how to review and revise interoperability transactions.

## Understanding Reviewing and Revising Interoperability Transactions

Running an inbound transaction process often identifies one or more invalid inbound transactions in the interface table. For example, an inventory item on an order might have an invalid address book number, Ship To address or Sold To address. The program cannot add that transaction to the Sales Order Detail File table (F4211). When an error occurs, the program sends an error message to the Work Center (P012501), indicating the transaction number for the transaction in error. You can inquire on these transactions to review and revise unedited sales transactions.

Use the inquiry menu selections to add, change, or delete transactions containing errors. Then run the appropriate transaction process again. Continue to make corrections and rerun the transaction process until the program runs without errors.

You can use the processing log to review inbound and outbound transactions.

After you correct the errors identified by the Inbound Transaction Process, run the transaction process again. If other errors are identified, correct them and run the transaction process again.

See *PeopleSoft EnterpriseOne Data Interface for Electronic Data Interchange 8.11 PeopleBook*, “Running Inquiries and Revising EDI Documents,” Understanding EDI Document Inquiry and Revision.

See *PeopleSoft EnterpriseOne 8.94 Interoperability PeopleBook*.

## Processing Log Review

You can use the processing log to review whether the system has processed inbound and outbound transactions. With the processing log, you can review whether a vendor-specific transaction has been successfully processed. The processing log contains key information from the Data Export Control table (F0047) about the interoperability transaction, such as the transaction type, order type, sequence number, batch process or function, and corresponding version. The system creates a record for every transaction that is processed.

The information in the processing log is for review only and can not be changed in either the processing log or in the system’s applications.

See [Chapter 3, “Working with Interoperability for PeopleSoft EnterpriseOne Quality Management,” Understanding Interoperability Transaction Setup for PeopleSoft EnterpriseOne Quality Management, page 16.](#)

## Forms Used to Review and Revise Interoperability Transactions

| Form Name                              | Form ID  | Navigation                                                             | Usage                                                                                                                                                               |
|----------------------------------------|----------|------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Unedited Detail Transactions Revisions | W4211Z1C | Sales Interoperability (G42A313), Outbound Sales Transaction Revisions | Review and revise interoperability transactions.<br><br>If applicable, select Detail Revisions from the Row menu to review or change additional detail information. |

## Reviewing and Revising Interoperability Transactions

Access the Unedited Detail Transactions Revisions form.

---

## Working with Subsystem Processing in Sales Order Entry

This section provides an overview of subsystem processing in sales order entry and discusses how to:

- Set up subsystem processing.
- End subsystem processing.

## Understanding Subsystem Processing in Sales Order Entry

If you need a pick slip or invoice when you finish the order entry process, you can set up and activate the subsystem. You might want this instant print capability if you:

- Operate in an environment that has a high volume of same-day-delivery orders, and you want to create the pick slip as soon as you enter the order

- Have many counter sales, where the customer expects to leave the premises with both the merchandise and the invoice for that merchandise

The processing options in Sales Order Entry program (P4210) activate subsystem processing. For example, in the version of Sales Order Entry that you use for printing pick slips immediately after order entry, you would set the value in the processing options to print pick slips and then identify the version of the Print Pick Slips program. You must set a value to activate the subsystem processing and then identify the corresponding subsystem version of the programs to run these programs:

- Print Pick Slips (R42520)
- Print Invoices (R42565)
- Inventory Commitment (R42997)
- Batch Edit and Creation (R4210Z)

---

**Important!** You must stop the subsystem processing before performing end of day processing. You can also stop one or more jobs in the subsystem at any time.

---

## Prerequisite

Create a new version of Sales Order Entry (P4210) specifically for subsystem processing.

## Forms Used to Work with Subsystem Processing

| Form Name                                     | Form ID | Navigation                                                                                                                        | Usage                                                                                                                                                                                                                            |
|-----------------------------------------------|---------|-----------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Work With Batch Versions - Available Versions | W98305A | Enter <i>BV</i> in the Fast Path.<br>Enter P4210 in the Batch Application field on Work with Batch Versions – Available Versions. | Set up subsystem processing.<br><br>Access the version of Sales Order Entry (P4210) that you use for subsystem processing, access the processing options, activate subsystem processing, and identify the corresponding version, |

## Setting Up Subsystem Processing

Access Work With Batch Versions - Available Versions

## Ending Subsystem Processing

Select System Administration Tools (GH9011), Work with Servers.



## CHAPTER 3

# Working with Interoperability for PeopleSoft EnterpriseOne Quality Management

This chapter provides an overview of quality management interoperability and discusses how to:

- Set up for interoperability transactions for PeopleSoft EnterpriseOne Quality Management.
- Run the conversion program.
- Review and revise interoperability transactions for PeopleSoft EnterpriseOne Quality Management.

---

## Understanding PeopleSoft EnterpriseOne Quality Management Interoperability

To fully cover the information requirements of an enterprise, companies sometimes use products from different software and hardware providers. Interoperability among different products is important to successfully implementing the enterprise solution. Full interoperability among different systems results in a flow of data between the systems that is seamless to the user. The interoperability function provides an interface that facilitates exchanging transactions with external systems.

External systems send data to the interface tables, either using an external program or using flat files and the Inbound Flat File Conversion program (R47002C). The sending party is responsible for conforming to format and other requirements for the interface tables. You run a transaction process (a batch program) that validates the data, updates valid data to the EnterpriseOne application tables, and sends action messages to the Employee Work Center about any invalid data.

You use an inquiry function to interactively review the invalid data for correctness, and then run the transaction process again. You repeat this process as often as necessary.

You use the purge function to remove obsolete and unnecessary data from interface tables. The system is more efficient when you keep these tables as small as possible.

### Receiving Transactions

When receiving data, the system stores the unedited data sent from the external system in interface tables. For outbound transactions, the system writes data to the interface tables. The data is then sent to an external system. With this method, unedited transactions do not affect application tables. The next step is to run the appropriate transaction process to edit the transactions and update the appropriate application tables.

In order to be received into the interface tables, data from an external system must conform to the minimum field requirements specified for the interface table.

The receiving transaction process performs these tasks:

- Validates the data in the interface table to ensure that data is correct and conforms to the format defined for the application table system.
- Updates the associated application table with validated data.
- Produces a report that lists invalid transactions and sends an action message for each invalid transaction to the Work Center.
- Marks, in the interface tables, those transactions that have been successfully updated to the application tables.

If the report indicates errors, access the Work Center from the Workflow Management menu (G02) and review the messages in the message center. Then use the associated inquiry function to review and revise the transactions and rerun the transaction process.

---

**Note.** When you run the Inbound Flat File Conversion program (R47002C) and it completes successfully, the system automatically starts the transaction process if specified in the processing option for the conversion.

---

## Setting Up for Interoperability Transactions for PeopleSoft EnterpriseOne Quality Management

This section provides an overview of interoperability transaction setup and discusses how to set up the flat file cross-reference.

### Understanding Interoperability Transaction Setup for PeopleSoft EnterpriseOne Quality Management

External systems can use a variety of methods to send data to the interoperability interface tables. One method is to write the data to a flat file. If you use this method, the system converts the flat file to the interface table. In order for the system to convert data from the flat file to the interface table, you must identify the transaction, which includes this information:

- Transaction type, which is a unique description to identify the transaction
- Whether the transaction is inbound or outbound
- Record type, the data that is imported or exported
- The application, the source or destination of the transaction

You can set a processing option to start the transaction process automatically when the conversion completes successfully. The transaction process copies the data from the interface tables to the application tables, from which PeopleSoft EnterpriseOne Quality Management applications can access the data.

### Record Types Review

When you set up flat file cross-reference information, you must specify the record types. Record types indicate the sort of information that is exchanged between PeopleSoft EnterpriseOne Quality Management and external systems, such as addresses, header or detail transactions, text, or additional information.

You can review hard-coded record types in the UDC (00/RD). The system uses these codes to identify the forms from which the system stores information for outbound documents and to which the system stores information for inbound documents.

## Transaction Type Setup

In order to identify the transactions that the system uses in the flat-file cross reference, you can add codes, or transaction types, to the UDC (00/TT). After you set up the transaction type, you use the transaction type to identify whether the information exchange is inbound or outbound, and to identify the corresponding applications and versions. You must set up transaction types prior to defining data export controls and flat file cross-reference information.

## Flat File Cross-Reference Setup

Before you can convert a flat file, you must provide a cross-reference from the flat file fields to the interface table fields. When you exchange data between this system and an external system, you use flat file cross-reference information or inbound transactions for which the external system cannot write data to the interface tables in the required format for this system. In this case, the external system can write the data to a specific flat file for each transaction and record type.

The process for setting up flat file cross-references for Interoperability is identical to that for EDI interface tables.

See *PeopleSoft EnterpriseOne Data Interface for Electronic Data Interchange 8.11 PeopleBook*, “Processing EDI Documents,” Receiving EDI Standard Business Documents.

## Prerequisites

Before you complete the tasks in this section:

- Ensure that the flat file is a comma-delimited ASCII text (flat) file to which the workstation has read and write access.
- Ensure that the data conforms to the required format.

See *PeopleSoft EnterpriseOne Data Interface for Electronic Data Interchange 8.11 PeopleBook*, “Processing EDI Documents,” Receiving EDI Standard Business Documents.

- On the appropriate drives on the computer or network, set up the folders for the flat files.

## Forms Used to Set Up PeopleSoft EnterpriseOne Quality Management Interoperability Transactions

| Form Name                           | Form ID | Navigation                                                                                                                                                                                                                                                                                                                                                                                                                                | Usage                                                                                                                                                                  |
|-------------------------------------|---------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Work With Flat File Cross-Reference | W47002A | Forecast Interoperability (G36301), Flat File Cross-Reference<br><br>Sales Interoperability (G42A313), Flat File Cross Reference<br><br>Inventory Interoperability (G41313), Flat File Cross-Reference<br><br>Product Data Interoperability (G30311), Flat File Cross-Reference<br><br>Purchasing Interoperability (G43A313), Flat File Cross-Reference<br><br>Shop Floor Management Interoperability (G31311), Flat File Cross-Reference | Review flat file cross-references and access the revision form.                                                                                                        |
| Flat File Cross-Reference           | W47002B | On the Work With Flat File Cross-Reference form, click Add.                                                                                                                                                                                                                                                                                                                                                                               | Set up the flat file cross-reference.<br><br>The file name refers to the application table from which the system exchanges information, as defined by the record type. |

### Setting Up the Flat File Cross-Reference

Access the Flat File Cross-Reference form.

---

## Running the Conversion Program

This section provides an overview of the conversion program and discusses how to:

- Run the Inbound Flat File Conversion program (R47002C).
- Set processing options for the Inbound Flat File Conversion program (R47002C).

## Understanding the Conversion Program

You use the Inbound Flat File Conversion program (R47002C) to import flat files into PeopleSoft EnterpriseOne Quality Management interface tables. You can create a separate version of the Inbound Flat File Conversion program for each interface table. This program recognizes both the flat file from which it reads and the record types UDC (00/RD) within the flat file. Each flat file contains records of differing lengths, based on the interface table record to which they correspond. The Inbound Flat File Conversion program uses the F47002 table to convert the flat file into the interface tables. The F47002 table indicates to the conversion program which flat file to read from, based on the transaction type that you are receiving.

The conversion program reads each record in the flat file and maps the record data into each field of the interface tables, based on the text qualifiers and field delimiters that are specified in the flat file.

The conversion program inserts the field data as one complete record in the interface table. If the conversion program encounters an error while converting data, it withholds the data in error and continues processing the conversion. If the data is successfully converted, the system automatically starts the transaction process for that interface table, provided that you set the processing options in the conversion program to do so.

## Running the Inbound Flat File Conversion (R47002C)

Select Inventory Interoperability (G41313), Inbound Flat File Conversion.

## Setting Processing Options for the Inbound Flat File Conversion Program (R47002C)

Processing options enable you to specify the default processing for programs and reports.

For programs, you can specify options such as the default values for specific transactions, whether fields appear on a form, and the version of the program that you want to run.

For reports, processing options enable you to specify the information that appears on reports. For example, you set a processing option to include the fiscal year or the number of aging days on a report.

Do not modify EnterpriseOne demo versions, which are identified by ZJDE or XJDE prefixes. Copy these versions or create new versions to change any values, including the version number, version title, prompting options, security, and processing options.

### Transaction

Although processing options are set up during EnterpriseOne implementation, you can change processing options each time you run a program.

- 1. Enter the transaction to process.** Specify the type of transaction to process using UDC (00/TT).

### Separators

Although processing options are set up during EnterpriseOne implementation, you can change processing options each time you run a program.

- 1. Enter the field delimiter.** Specify the type of processing for an event.
- 2. Enter the text qualifier.** Specify the type of processing for an event.

## Process

Although processing options are set up during EnterpriseOne implementation, you can change processing options each time you run a program.

### 1. Enter the inbound processor to run after successful completion of the conversion.

Specify the name that identifies a system object.

EnterpriseOne architecture is object-based. Discrete software objects are the building blocks for all applications, and developers can reuse the objects in multiple applications. The Object Librarian tracks each object. Examples of system objects include:

- Batch Applications (such as reports)
- Interactive Applications
- Business Views
- Business Functions
- Business Functions Data Structures
- Event Rules
- Media Object Data Structures

### 2. Enter the version for the inbound processor.

Specify a set of specifications that control how applications and reports run.

You use versions to group and save a set of processing option values and data selection and sequencing options. Interactive versions are associated with applications (usually as a menu selection). Batch versions are associated with batch jobs or reports. To run a batch process, you must select a version.

Blank: XJDE0001

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## Reviewing and Revising Interoperability Transactions for PeopleSoft EnterpriseOne Quality Management

This section provides an overview of reviewing and revising interoperability transactions and discusses how to:

- Review and revise interoperability transactions for PeopleSoft EnterpriseOne Quality Management.
- Purge interoperability transaction records for PeopleSoft EnterpriseOne Quality Management.

## Understanding Reviewing and Revising Interoperability Transactions for PeopleSoft EnterpriseOne Quality Management

Running an inbound transaction process often identifies one or more invalid inbound transactions in the interface table. When an error occurs, the system sends an error message to the employee, indicating the transaction number for the transaction in error. You can review and revise unedited sales transactions.

Use the inquiry menu selections to add, change, or delete transactions containing errors. Then run the appropriate transaction process again. Continue to make corrections and rerun the transaction process until the program runs without errors.

You can use the processing log to review inbound and outbound transactions.

## Processing Log Review

You can use the processing log to review whether the system has processed inbound and outbound transactions. With the processing log, you can review whether a vendor-specific transaction has been successfully processed. The processing log contains key information from the F0047 table about the interoperability transaction, such as the transaction type, order type, sequence number, batch process or function, and corresponding version. The system creates a record for every transaction that is processed.

The information in the processing log is for review only and can not be changed in either the processing log or in the system's applications.

## Forms Used to Review and Revise Interoperability Transactions for PeopleSoft EnterpriseOne Quality Management

| Form Name                                  | Form ID  | Navigation                                                                        | Usage                                                                                                                                                 |
|--------------------------------------------|----------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| Work With Test Results Transaction Records | W3711Z1A | Quality Management Interoperability (G37311), Test Results Transactions Revisions | Review and revise a transaction.                                                                                                                      |
| Test Results Transaction Records Revisions | W3711Z1C | Select Revisions from the Row menu on Work With Test Results Transaction Records. | Review or change additional detail information.<br><br>Rerun the transaction process to identify further errors and check that errors were corrected. |

## Reviewing and Revising Interoperability Transactions for PeopleSoft EnterpriseOne Quality Management

Access the Unedited Detail Transaction Revisions form.

## Purging Interoperability Transaction Records for PeopleSoft EnterpriseOne Quality Management

When data becomes obsolete or you need more disk space, you can use a purge program to remove data from interface files, in this case test results transactions.

To purge interoperability transaction records for PeopleSoft EnterpriseOne Quality Management, select Quality Management Advanced Operations (G3731), Purge of Test Results Transactions.



## CHAPTER 4

# Working with PeopleSoft EnterpriseOne Inventory Management Interoperability

This chapter provides an overview of inventory interoperability and discusses how to:

- Set up for interoperability transactions for PeopleSoft EnterpriseOne Inventory Management.
- Run the conversion program.
- Review and revise inbound interoperability transactions.

---

## Understanding PeopleSoft EnterpriseOne Inventory Management Interoperability

To fully cover the information requirements of an enterprise, companies sometimes use products from different software and hardware providers. For example, some companies use PeopleSoft EnterpriseOne Inventory Management for most inventory functions and use hand-held scanning devices to physically count their inventory.

Interoperability among products is essential to successfully implementing the enterprise solution. Full interoperability among systems results in a flow of data among products that is seamless to the user. The PeopleSoft EnterpriseOne Inventory Management interoperability function provides an interface that eases the exchange of transactions with external systems.

PeopleSoft EnterpriseOne Inventory Management interoperability for inbound transactions consists of these processes:

1. External systems send information to the interface tables using either an external program or flat files and the Inbound Flat File Conversion program. The party sending the information is responsible for conforming to format and other requirements for the interface tables.
2. You run a transaction process (a batch program) that validates the data, updates valid data to the PeopleSoft EnterpriseOne Inventory Management application tables, and sends action messages about incorrect data to the Work Center.
3. You use an inquiry function to interactively review and revise the incorrect data, and then run the transaction process again. You repeat this step as often as needed to correct errors.

PeopleSoft EnterpriseOne Inventory Management interoperability for outbound transactions requires that you set a processing option specifying the transaction type. Using the master business function for the type of transaction, the system creates a copy of the transaction and places it in the interface table where it can be accessed by external systems.

The Interoperability interface tables and the related application tables for PeopleSoft EnterpriseOne Inventory Management are:

| Interoperability Interface Table(s) | Related Application Table(s)                                                                                                                                                                                                                                                                          |
|-------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| F4101Z1 and F4101Z1A                | Item Master (F4101)<br>Item Branch File (F4102)<br>Bulk Item Master (F41011)<br>Bulk Depot/Product Information (F41022)<br>Item Master - Customer Service Extension (F4117)<br>Item Branch Master - Customer Service Extension (F41171)<br>Item Profile (F46010)<br>Item Shipping Information (F4908) |
| F4141Z1                             | Cycle Count Transaction File (F4141)                                                                                                                                                                                                                                                                  |
| F4105Z1                             | Item Cost File (F4105)                                                                                                                                                                                                                                                                                |

See *PeopleSoft EnterpriseOne Data Interface for Electronic Data Interchange 8.11 PeopleBook*, “Processing EDI Inventory Documents”.

## Flat File Conversion to Interface Tables

You can use a variety of methods to send data from external systems to the interoperability interface tables. One method is to enter the data in a flat file. If you use this method, the system converts the flat file to the interface table.

You can set a processing option to start the transaction process when the conversion completes successfully.

## Item Costs from Inbound Transactions

During processing, the Item Cost Unedited Transaction Inbound program (R4105Z1I) adds, changes, or deletes multiple records that exist within the Unedited Transaction Table - Item Cost table (F4105Z1) directly to the F4105 table. Additionally, the costing selection methods for sales, inventory, and purchasing can be added or changed during processing.

You might receive inbound transactions for the F4105 table if, for example, you are converting the inventory from a legacy system to PeopleSoft EnterpriseOne Inventory Management.

The interoperability interface table and the related application table for item cost inbound transactions are:

- Interface table: F4105Z1
- Application table: F4105

For the F4105Z1 table, interoperability requires data in these fields:

- EDI User ID (EDUS)
- EDI Batch Number (EDBT)
- EDI Transaction Number (EDTN)
- EDI Line Number (EDLN)
- Short Item Number (ITM), Second Item Number (LITM), or Third Item Number (AITM)
- Branch/Plant (MCU), if level 2 or 3

- Location (LOCN), if used and if level 3 used
- Lot Number (LOTN), if used and if level 3 used
- Cost Method (LEDG)
- Unit Cost (UNCS)
- Directional Indicator of "1" for Inbound Processing (DRIN)
- Transaction Action UDC code (TNAC) - The first letter of the 2<sup>nd</sup> Description must be A, C, D - only Add, Change and Delete are supported
- Costing Selection - Purchasing (CSPO), Costing Selection - Inventory (CSIN), or both fields when:
  - Adding a new record with a CSPO and CSIN
  - Changing an existing record with CSPO and CSIN

## Cost Updating

You can update cost records for interoperability in the Item Cost Revisions Application program (P4105Z1). The system processes revisions according to how you have set the transaction action UDC (00/TA).

You must pay careful attention to the values in an existing record when updating costs through interoperability. The system validates the values in the F4105Z1 table against the values for the cost record in the F4105 table. In order for the system to recognize the cost methods you have identified as the purchasing cost method, the inventory cost method, or both, you must ensure that the Purchasing Cost Method Selection field has a value of *P* and the Inventory Cost Method Selection has a value of *I*.

---

**Note.** You cannot delete a record that reflects the costing method selection (either purchasing or inventory). In other words, if you have identified an existing record as the purchasing cost method, the inventory cost method, or both, you are not able to delete it. Instead, the system changes the unit cost of the record to zero.

---

## Product Activity Data Inbound Transactions

You might receive inbound transactions for the Item Ledger File table (F4111) if, for example, you are converting the inventory from a legacy system to PeopleSoft EnterpriseOne Inventory Management.

## Transactions to External Systems

You might need to send transactions that you create or change in PeopleSoft EnterpriseOne Inventory Management to another system. For example, if the organization uses hand-held scanning devices, you can use Interoperability transactions to update the database that is used by the scanning devices.

The default outbound transaction is a copy of a data transaction after you created or changed it (an after image). With Interoperability you can also send a copy of each transaction as it was before you changed it (a before image). Creating and sending before images requires additional processing time. To control the type of image, you set a processing option in the application programs that create transactions.

You can send transactions to an external system from these programs in PeopleSoft EnterpriseOne Inventory Management:

- Inventory Issues
- Inventory Transfers
- Inventory Adjustments
- Cycle Count Update

To create outbound transactions, you must specify the appropriate transaction type in the related processing option. The system places a copy of the transaction in the interface table for that type of transaction. For example, when you run Cycle Count Update with the Interoperability processing option turned on, the system places a copy of updated cycle count data in the F4141Z1 table. The data is then available for an external system to use.

The system creates the outbound transactions in EDI format. External systems can process the transactions by using standard EDI processing, including extraction.

### **Interoperability Transaction Records Purge**

When data becomes obsolete or you need more disk space, you can use purge programs to remove data from interface tables.

The interoperability menu contains options for purging inbound transactions. Use one of these purge programs to remove data from the corresponding interface tables:

- Purge Cycle Count Transaction Records (R4141Z1P)
- Purge Item Cost Records (R4105Z1P)

When you purge cycle count transactions, you can set the processing option to print only the records that are in error. Otherwise, the program prints all records that are deleted.

See Chapter 4, “Working with PeopleSoft EnterpriseOne Inventory Management Interoperability,” Purging Interoperability Transaction Records, page 35.

---

## **Setting Up for Interoperability Transactions for PeopleSoft EnterpriseOne Inventory Management**

This section provides an overview of interoperability transactions for inventory and discusses how to set up the flat file cross-reference.

### **Understanding Interoperability Transaction Setup for PeopleSoft EnterpriseOne Inventory Management**

This section describes:

#### **Flat File Cross-Reference**

Before you can convert a flat file, you must provide a cross-reference from the flat file fields to the interface table fields. When you exchange data between this system and an external system, you use flat file cross-reference information for these conditions:

- For inbound transactions for which the external system cannot write data to the interface tables in the required format for this system. In this case, the external system can write the data to a specific flat file for each transaction and record type.
- For outbound transactions for which this system cannot write data to the interface tables in the format that is required by the external system. In this case, this system can write the data to a specific flat file for each transaction and record type.

The process for setting up flat file cross-references for Interoperability is identical to that for EDI interface tables.

See *PeopleSoft EnterpriseOne Data Interface for Electronic Data Interchange 8.11 PeopleBook*, “Processing EDI Documents”.

## Transactions from External Systems

When an external system sends inbound transactions, PeopleSoft EnterpriseOne Inventory Management stores the data in interface tables. These tables contain unedited transactions. You must run the appropriate transaction process to edit the transactions and update the application tables. For example, if you receive transactions in the F4101Z1 table, you run the Item Master Inbound Unedited Transactions Inbound Processor to update the (F4101) table.

To be received in the interface tables, data from an external system must conform to the minimum field requirements specified for the interface table.

During the transaction process the system:

- Validates the data in the interface table (for example, the F4101Z1) to ensure that data is correct and conforms to the format defined for PeopleSoft EnterpriseOne Inventory Management
- Updates the associated application table (for example, the F4101 table) with validated data
- Produces a report that lists invalid transactions and sends an action message for each invalid transaction to the Work Center
- Marks in the interface tables those transactions that are successfully updated to the application tables

If the report indicates errors, you can select the Employee Work Center option from the Workflow Management menu (G02) to review the messages in the message center. You can use the associated inquiry function to review and revise the transactions and rerun the transaction process.

---

**Note.** When the Inbound Flat File Conversion program completes successfully, the system automatically starts the transaction process if you’ve set the appropriate processing option.

---

You need to perform only those tasks that are appropriate for the situation.

## Item Master Inbound Transactions

You might receive inbound transactions for the F4101 table if, for example, you are converting the inventory from a legacy system to PeopleSoft EnterpriseOne Inventory Management.

The interoperability interface tables and the related application tables for item master inbound transactions are:

- Interface tables: F4101Z1 and F4101Z1A. A F4101Z1 record must precede and be associated with a detail F4101Z1A record.
- Application tables
  - F4101
  - F4102
  - F4101T
  - F41011
  - F41022
  - F4117
  - F41171
  - F46010

## - F4908

The fields in the F4101Z1 table that must contain data for Interoperability depend on whether the transaction is an add, a change, or a delete. This table identifies for each type of transaction which fields must contain data:

| Transaction                                                | Fields                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Add (available for Item Master and Branch/Plant levels)    | <p>Fields that must contain data for an Add transaction at the Item Master level are:</p> <ul style="list-style-type: none"> <li>• Short Item Number (ITM), Second Item Number (LITM), or Third Item Number (AITM), which must be a unique number.</li> <li>• Stocking Type (STKT).</li> <li>• G/L Class (GLPT).</li> <li>• Description (DSC1).</li> </ul> <p>Fields that must contain for an Add transaction at the Branch/Plant level are:</p> <ul style="list-style-type: none"> <li>• Short Item Number (ITM), Second Item Number (LITM), or Third Item Number (AITM), which must be a unique number.</li> <li>• Cost Center (MCU).</li> </ul> <p><b>Note.</b> Specify 2 in the Update Item/Branch (ITBR) field for a branch transaction (for item transactions, the value in this field should be 1.). If you leave the ITBR field and the MCU field both blank, the record is processed as an item transaction. If you leave the ITBR field blank and specify a branch/plant in the MCU field, the record is treated as a branch transaction.</p> |
| Change (available for Item Master and Branch/Plant levels) | For a Change transaction, the record in the F4101Z1 table must contain data in all the fields that contain data in the application table, even if the data is the same.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Delete (available for Item Master and Branch/Plant levels) | <p>Fields that must contain data for a Delete transaction vary:</p> <ul style="list-style-type: none"> <li>• A Delete transaction for the F4101 table requires that the Short Item Number (ITM) field contain data.</li> <li>• A Delete transaction for F4102 requires that the Short Item Number (ITM) and Branch/Plant (MCU) fields contain data.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |

## Cycle Counts from Inbound Transactions

You might receive inbound transactions for the F4141 table. Examples include copying initial balances from a legacy system to PeopleSoft EnterpriseOne Inventory Management and copying data from hand-held scanning devices that are used to count inventory.

After the transaction process is complete, you must run the Cycle Count Update program on the Inventory Count Alternatives menu (G4121) to update the on-hand balances, prepare journal entries, and perform the other functions associated with this program.

The Interoperability interface table and the related application table for cycle count inbound transactions are:

- Interface table: F4141Z1
- Application table: F4141

For the F4141Z1 interface table, Interoperability requires data in these fields:

- Short Item Number (ITM)
- Branch/Plant (MCU)
- Location (LOCN), if used
- Lot/Serial (LOTN), if used
- Storage Unit Number (STUN), if used
- Class Code (GLPT)
- Total Primary Quantity on Hand (TQOH)
- Total Primary Amount on Hand (TAOH)
- Total Primary Quantity Counted (TQCT)
- Total Primary Amount Counted (TACT)
- Unit Cost (UNCS)
- Total Secondary Quantity on Hand (SQOR)
- Total Secondary Quantity Counted (SQOH)

## Prerequisites

Before you complete the tasks in this section:

- On the appropriate drives on the computer or network, set up the folders for the flat files.
- Verify that inbound data contained with the F4105Z1 table is correct.
- Verify that all minimum fields required are populated.
- Ensure that the flat file is a comma-delimited ASCII text file that is stored on the hard drive of the personal computer.
- Ensure that the data conforms to the specified format. See *Converting Data from Flat Files into EDI Interface Tables in the Data Interface for Electronic Data Interchange Guide* for information about formatting requirements.

## Forms Used to Set Up for Interoperability Transactions for PeopleSoft EnterpriseOne Inventory Management

| Form Name                 | Form ID | Navigation                                                                                                              | Usage                                                                                                                                                                 |
|---------------------------|---------|-------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Flat File Cross-Reference | W47002B | Inventory Interoperability (G41313), Flat File Cross-Reference<br><br>Click Add on Work With Flat File Cross-Reference. | Set up the flat file cross-reference.<br><br>The file name refers to the application table from which the system exchanges information, as defined by the record type |

## Setting Up the Flat File Cross-Reference

Access the Flat File Cross-Reference form.

---

## Running the Conversion Program

This section provides an overview of the conversion program and discusses how to:

- Run the Inbound Flat File Conversion Program (R47002C).
- Set up processing options for Inbound Flat File Conversion (R47002C).

### Understanding the Conversion Program

You use the Inbound Flat File Conversion program (R47002C) to import flat files into PeopleSoft EnterpriseOne Inventory Management interface tables. You can create a separate version of the Inbound Flat File Conversion program for each interface table. This program recognizes both the flat file from which it reads and the record types UDC (00/RD) within the flat file. Each flat file contains records of differing lengths, based on the interface table record to which they correspond. The Inbound Flat File Conversion program uses the (F47002) table to convert the flat file into the interface tables. The F47002 table indicates to the conversion program which flat file to read from, based on the transaction type that you are receiving.

The conversion program reads each record in the flat file and maps the record data into each field of the interface tables, based on the text qualifiers and field delimiters that are specified in the flat file.

The conversion program inserts the field data as one complete record in the interface table. If the conversion program encounters an error while converting data, it withholds the data in error and continues processing the conversion. If the data is successfully converted, the system automatically starts the transaction process for that interface table, provided that you set the processing options in the conversion program to do so.

### Running the Inbound Flat File Conversion Program (R47002C)

Select Inventory Interoperability (G41313), Inbound Flat File Conversion.

### Setting Processing Options for the Inbound Flat File Conversion Program (R47002C)

Processing options enable you to specify the default processing for programs and reports.

For reports, processing options enable you to specify the information that appears on reports.

Do not modify EnterpriseOne demo versions, which are identified by ZJDE or XJDE prefixes. Copy these versions or create new versions to change any values, including the version number, version title, prompting options, security, and processing options.

#### Transaction

Although processing options are set up during EnterpriseOne implementation, you can change processing options each time you run a program.

- 1. Enter the transaction to process.** Specify the type of transaction to process using UDC (00/TT).

#### Separators

Although processing options are set up during EnterpriseOne implementation, you can change processing options each time you run a program.

1. **Enter the field delimiter.** Specify the type of processing for an event.
2. **Enter the text qualifier.** Specify the type of processing for an event.

## Process

Although processing options are set up during EnterpriseOne implementation, you can change processing options each time you run a program.

### 1. Enter the inbound processor to run after successful completion of the conversion.

Specify the name that identifies a system object.

EnterpriseOne architecture is object-based. Discrete software objects are the building blocks for all applications, and developers can reuse the objects in multiple applications. The Object Librarian tracks each object. Examples of system objects include:

- Batch Applications (such as reports)
- Interactive Applications
- Business Views
- Business Functions
- Business Functions Data Structures
- Event Rules
- Media Object Data Structures

### 2. Enter the version for the inbound processor.

Specify a set of specifications that control how applications and reports run.

You use versions to group and save a set of processing option values and data selection and sequencing options. Batch versions are associated with batch jobs or reports. To run a batch process, you must select a version.

Blank: XJDE0001

## Receiving Item Master Inbound Transactions

To receive item master inbound transactions, select Inventory Interoperability (G41313), Item Master Inbound Transaction Process.

## Setting Processing Options for the Item Master Unedited Transactions Inbound Processor Program (R4101Z1I)

Processing options enable you to specify the default processing for programs and reports.

For reports, processing options enable you to specify the information that appears on reports.

Do not modify EnterpriseOne demo versions, which are identified by ZJDE or XJDE prefixes. Copy these versions or create new versions to change any values, including the version number, version title, prompting options, security, and processing options.

## Versions

Although processing options are set up during EnterpriseOne implementation, you can change processing options each time you run a program.

**Enter the version of Item Master (P4101).** Specify the version of the Item Master program (P4101) to use when processing inbound transactions. If you leave this processing option blank, the system uses version ZJDE0001.

## Receiving Cycle Counts from Inbound Transactions

To receive cycle counts from inbound transactions, select Inventory Interoperability (G41313), Cycle Count Inbound Transaction Process.

## Setting Processing Options for the Cycle Count Unedited Transactions Inbound Processor Program (R4141Z1I)

Processing options enable you to specify the default processing for programs and reports.

For reports, processing options enable you to specify the information that appears on reports.

Do not modify EnterpriseOne demo versions, which are identified by ZJDE or XJDE prefixes. Copy these versions or create new versions to change any values, including the version number, version title, prompting options, security, and processing options.

### Process

Although processing options are set up during EnterpriseOne implementation, you can change processing options each time you run a program.

**Enter the Cycle Count Description to be used when adding a new cycle count.** Specify the description to be associated with the cycle count.

## Receiving Item Costs from Inbound Transactions

To receive item costs from inbound transactions, select Inventory Interoperability (G41313), Item Cost Inbound Transaction Process.

---

## Reviewing and Revising Inbound Interoperability Transactions

This section provides an overview of reviewing and revising inbound interoperability transactions and discusses how to:

- Review and revise inbound item master transactions.
- Review and revise inbound cycle count transactions.
- Review and revise inbound item cost transactions.
- Purge interoperability transaction records.
- Set processing options for the purge cycle count transaction records program (R4141Z1P).

## Understanding Reviewing and Revising Inbound Interoperability Transactions

When the system runs one of the transaction processes, such as the Item Master Unedited Transactions Inbound Processor, it often identifies one or more inbound transactions that contain invalid information. For example, an inventory item might have an invalid category code. In that case, the program cannot add that item to the Item Master table. Instead, the program sends an error message to the Work Center. The error message indicates the transaction number of the transaction that is in error.

PeopleSoft EnterpriseOne Inventory Management provides several menu selections that enable you to review any inbound interoperability transactions and add, change, or delete any transactions that contain errors. After you correct all transactions with errors, you can rerun the transaction process until the program runs without errors.

See *PeopleSoft EnterpriseOne Data Interface for Electronic Data Interchange 8.11 PeopleBook*, “Running Inquiries and Revising EDI Documents”.

### Prerequisite

Define the data export controls for the type of outbound transaction. The system uses data export controls to determine the batch programs or business processes that third parties supply for use in processing transactions.

## Forms Used to Review and Revise Inbound Interoperability Transactions

| Form Name         | Form ID  | Navigation                                                                                                     | Usage                                                                                                                                                                                                                                                                                             |
|-------------------|----------|----------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| F4101Z1 Revisions | W4101Z1B | Inventory Interoperability (G41313), Inbound Item Master Inquiry<br><br>Locate a transaction and click Select. | Locate and revise a transaction.<br><br>If applicable, select Detail Revisions from the Row menu to review or revise additional detail information.<br><br>After you correct the errors identified by the Item Master Unedited Transactions Inbound Processor, run the transaction process again. |
| F4141Z1 Revisions | W4141Z1B | Inventory Interoperability (G41313), Inbound Cycle Count Inquiry<br><br>Locate a transaction and click Select. | Locate and revise a transaction.<br><br>After you correct the errors identified by the Cycle Count Unedited Transactions Inbound Processor, run the transaction process again.                                                                                                                    |

| Page Name                   | Object Name | Navigation                                                                                                                                                                                                                                                                                                                              | Usage                                                                                                                                                                                                                                                                                                                                                                                       |
|-----------------------------|-------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| F4105Z1 Item Cost Revisions | W4105Z1B    | Inventory Interoperability (G41313), Inbound Item Cost Inquiry<br><br>Locate a transaction and click Select.                                                                                                                                                                                                                            | Locate and revise a transaction.<br><br>After you verify and correct the errors identified by the Item Cost Unedited Transaction Inbound, run the transaction process again.<br><br>If you do not see an item listed that you are expecting, the wrong value might be in the Dir Ind (Directional Indicator) field. If the value in that field is not <i>I</i> , the item does not display. |
| Work With Cycle Count       | W4141Z1A    | Inventory Interoperability (G41313), Inbound Cycle Count Inquiry<br><br>Complete the User ID, Batch Number, and Transaction Number fields to limit the search to specific transactions, and click Find.<br><br>Select a transaction to review and revise.                                                                               | Review and revise inbound cycle count transactions.                                                                                                                                                                                                                                                                                                                                         |
| F4141Z1 Revisions           | W4141Z1B    | Revise as needed and click OK.<br><br>Correct the errors identified by the Cycle Count Unedited Transactions Inbound Processor and run the transaction process again.                                                                                                                                                                   | Revise a transaction.                                                                                                                                                                                                                                                                                                                                                                       |
| Work With F4105Z1 Item Cost | W4105Z1A    | Inventory Interoperability (G41313), Inbound Item Cost Inquiry<br><br>Complete the User ID, Batch Number, and Transaction Number fields to limit the search to specific transactions.<br><br>To locate transactions already processed, select Processed.<br><br>Click <i>Find</i> , and then select a transaction to review and revise. | Review and revise inbound item cost transactions.                                                                                                                                                                                                                                                                                                                                           |

| Page Name         | Object Name | Navigation                                                                                                                                                            | Usage                 |
|-------------------|-------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|
| F4141Z1 Revisions | W4141Z1B    | Revise as needed and click OK.<br><br>Correct the errors identified by the Cycle Count Unedited Transactions Inbound Processor and run the transaction process again. | Revise a transaction. |

## Reviewing and Revising Inbound Item Master Transactions

Access the Work With F4101Z1 Item Master Revisions form.

## Reviewing and Revising Inbound Cycle Count Transactions

Access the Work With Cycle Count form.

## Reviewing and Revising Inbound Item Cost Transactions

Access the F4105Z1 Item Cost Revisions form.

F4105Z1 Item Cost Revisions

## Purging Interoperability Transaction Records

To purge interoperability transaction records, select Inventory Interoperability (G41313), Inbound Cycle Count Purge or Item Cost Inbound Purge.

## Setting Processing Options for the Purge Cycle Count Transaction Records Program (R4141Z1P)

Processing options enable you to specify the default processing for programs and reports.

For reports, processing options enable you to specify the information that appears on reports.

Do not modify EnterpriseOne demo versions, which are identified by ZJDE or XJDE prefixes. Copy these versions or create new versions to change any values, including the version number, version title, prompting options, security, and processing options.

### Display

Although processing options are set up during EnterpriseOne implementation, you can change processing options each time you run a program.

**Enter a '1' to print only errors.**

Specify print options for the report. Values are:

*1*: Only print errors



## CHAPTER 5

# Working with Interoperability for PeopleSoft EnterpriseOne Procurement

This chapter provides an overview of procurement interoperability and discusses how to:

- Set up for interoperability transactions for PeopleSoft EnterpriseOne Procurement.
- Run the conversion program.
- Review and revise interoperability transactions for PeopleSoft EnterpriseOne Procurement.
- Work with the outbound order processor.

---

## Understanding PeopleSoft EnterpriseOne Procurement Interoperability

To fulfill the information requirements of an enterprise, companies sometimes use products from different software and hardware providers.

Interoperability among products is key to successfully implementing an enterprise solution. Full interoperability among systems results in a flow of data among the different products that is transparent to the user. This system provides interoperability functions to facilitate the exchange of data with other external systems.

### Inbound Transactions

In an inbound transaction, you accept data from another system into this system. Interoperability for inbound transactions consists of these tasks:

- The external system sends data to this system's interface tables, which hold the data before it is copied to the application tables. The external system is responsible for conforming to the format and other requirements for the interface tables. If the external system cannot write the information in the required format, it can write the data to a flat file, and you can use this system's Inbound Flat File Conversion program to convert the data to the required format.
- You run a transaction process (a batch program) that validates the data, updates valid data from the interface tables to this system's application tables, and sends action messages to the Employee Work Center about invalid data.
- You use an inquiry function to interactively review and revise the incorrect data, and then run the transaction process again. You repeat this step as often as needed to correct errors.

## Outbound Transactions

In an outbound transaction, you send data from this system to an external system. Interoperability for outbound transactions requires that you set a processing option specifying the transaction type. Using the master business function for the type of transaction, the system creates a copy of the transaction and places it in the interface table where external systems can access it.

See *PeopleSoft EnterpriseOne Data Interface for Electronic Data Interchange 8.11 PeopleBook*, “Processing EDI Documents”.

## Receipt of Transactions

When an external system sends inbound transactions, this system stores the unedited data sent from the external system in interface tables. For outbound transactions, this system writes data to the interface tables that is then sent to an external system. In this way, unedited transactions do not affect application tables. The next step is to run the appropriate transaction process to edit the transactions and update the appropriate application tables in this system.

To receive information in the interface tables, data from an external system must conform to the minimum field requirements specified for the interface table.

---

**Note.** When you run the Inbound Flat File Conversion program (R47002C) and it completes successfully, the system automatically starts the transaction process if specified in the processing option for the conversion.

---

The transaction process performs these tasks:

- Validates the data in the interface table to ensure that data is correct and conforms to the format defined for the application table system.
- Updates the associated application table with validated data.
- Produces a report that lists invalid transactions and sends an action message for each invalid transaction to the Employee Work Center.
- Marks in the interface tables those transactions that are successfully updated to the application tables.

If the report indicates errors, access the Work Center (P012501) from the Workflow Management menu (G02) and review the messages in the message center. Then use the associated inquiry function to review and revise the transactions and rerun the transaction process.

See [Chapter 5, “Working with Interoperability for PeopleSoft EnterpriseOne Procurement,” Reviewing and Revising Interoperability Transactions for PeopleSoft EnterpriseOne Procurement, page 43.](#)

## Inbound Purchase Orders

You might receive inbound purchase orders, for example, if you are using a third-party manufacturing system and need to create a purchase order in PeopleSoft EnterpriseOne Procurement software. In this example, the manufacturing system maps the data into a flat file, and the Inbound Flat File Conversion program copies the data to the interface table.

## Review of Receiving Advice Edit/Create

The Receiving Advice document is a confirmation from the customer or off-site consigned warehouse to the supplier that the goods or services were received. This document includes the condition of the received items and customer’s acceptance or rejection of the received items.

When a supplier sends you receiving advice documents, the translator software maps the data into a flat file, and the Inbound Flat File Conversion program copies it to the interface files.

See *PeopleSoft EnterpriseOne Data Interface for Electronic Data Interchange 8.11 PeopleBook*, “Processing EDI Purchase Order Documents,” Understanding Inbound Advices into Purchasing (861/RECADV).

### Receipt Routing Inbound Processor

To update PeopleSoft EnterpriseOne Procurement with receipt routing information, run the Receipt Routing Unedited Transactions Inbound Processor batch program (R43092Z11).

The inbound processor uses data in the interface tables to update application tables.

If the inbound processor encounters errors while moving data from the interface tables to the application programs, it sends error messages to the Work Center (P012501) on the Workflow Management menu (G02).

After the inbound processor has finished, it generates an audit report that lists the transactions that were processed, totals for the number of processed transactions, and errors that occurred during processing.

### Processing Log Review

You can use the processing log to review whether the system has processed inbound and outbound transactions. With the processing log, you can review whether a vendor-specific transaction has processed successfully. The processing log contains key information from the F0047 table about the interoperability transaction, such as the transaction type, order type, and sequence number, batch process or function and corresponding version. The system creates a record for every transaction that is processed in the outbound process.

The information in the processing log is for review only and cannot be changed in either the processing log or EnterpriseOne applications.

---

## Setting Up for Interoperability Transactions for PeopleSoft EnterpriseOne Procurement

This section provides an overview of interoperability transaction setup and discusses how to:

- Set up data export controls.
- Set up the flat file cross-reference.

### Understanding Interoperability Transaction Setup for PeopleSoft EnterpriseOne Procurement

External systems can use a variety of methods to send data to the interoperability interface tables. One method is to write the data to a flat file. If you use this method, the system converts the flat file to the interface table. For the system to convert data from the flat file to the interface table, you must identify the transaction, which includes this information:

- Transaction type, which is a unique description to identify the transaction
- Whether this transaction is inbound or outbound
- Record type, the data that is imported or exported
- The application, the source or destination of the transaction

You can set a processing option to start the transaction process automatically when the conversion completes successfully. The transaction process copies the data from the interface tables to the application tables, from which this system's applications can access the data.

## Record Types Review

When you set up flat file cross-reference information, you must specify the record types. Record types indicate the sort of information that is being exchanged among this system and external systems such as addresses, header or detail transactions, text, or additional information.

You can review hard-coded record types in the UDC (00/RD). The system uses these codes to identify the forms with which the system stores information for inbound and outbound documents

## Transaction Type Setup

You can add codes to the UDC (00/TT) to identify the transactions that the system uses in the flat file cross-reference. After you set up the transaction type, you use the transaction type to identify whether the information exchange is inbound or outbound and to identify the corresponding applications and versions. You must set up transaction types before defining data export controls and flat file cross-reference information.

For every transaction type, you must set up data export controls. If you cannot transfer or receive information with an external system, then you use the transaction type when you set up flat file cross-reference information.

See *EnterpriseOne Tools 8.94 PeopleBook: Foundation*.

## Data Export Control Setup

You define the export information for outbound transactions only. To set up data export controls properly, you must indicate the transaction, document type, batch application or function, and version from which the external system retrieves information from the interface tables.

You can define export controls based on either of these two options:

| Based On                  | Description                                                                                                                               |
|---------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|
| Function name and library | Specify a vendor-specific function name and library to identify the external custom program that accesses this system's interface tables. |
| UBE or batch processor    | Specify a vendor-specific outbound batch processor that accesses this system's interface tables.                                          |

## Flat File Cross-Reference Setup

Before you can convert a flat file, you must provide a cross-reference from the flat file fields to the interface table fields. When you exchange data between this system and an external system, you use flat file cross-reference information for these conditions:

- For inbound transactions for which the external system cannot write data to the interface tables in the required format for this system. In this case, the external system can write the data to a specific flat file for each transaction and record type.
- For outbound transactions for which this system cannot write data to the interface tables in the format that is required by the external system. In this case, this system can write the data to a specific flat file for each transaction and record type.

The process for setting up flat file cross-references for Interoperability is identical to that for EDI interface tables.

See *PeopleSoft EnterpriseOne Data Interface for Electronic Data Interchange 8.11 PeopleBook*, "Processing EDI Documents," Understanding the Inbound Flat File Conversion Program (R47002C).

## Prerequisites

Before you complete the tasks in this section:

- Ensure that the flat file is a comma-delimited ASCII text (flat) file to which the workstation has read and write access.
- Ensure that the data conforms to the required format. See Converting Data from Flat Files into EDI Interface Tables in the Data Interface for Electronic Data Interchange Guide for requirements.

## Forms Used to Set Up PeopleSoft EnterpriseOne Procurement Interoperability Transactions

| Form Name                     | Form ID | Navigation                                                                                                      | Usage                                                                                                                                                                                                                                                   |
|-------------------------------|---------|-----------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Data Export Control Revisions | W0047C  | Purchasing Interoperability (G43A313), Data Export Controls<br><br>Click Add on Work With Data Export Controls. | Set up data export controls.<br><br>You can define data export control for either a vendor-specific batch process or function. If you enter information in fields for vendor-specific batch processors or functions, the system uses the batch process. |
| Flat File Cross-Reference     | W47002B | Purchasing Interoperability (G43A313), Flat File Cross-Reference                                                | Set up the flat file cross-reference.                                                                                                                                                                                                                   |

### Setting Up Data Export Controls

Access the Data Export Control Revisions form.

### Setting Up the Flat File Cross-Reference

Access the Flat File Cross-Reference form.

---

## Running the Conversion Program

This section provides an overview of the conversion program and discusses how to:

- Run the Inbound Flat File Conversion program (R47002C).
- Set processing options for the Inbound Flat File Conversion program (R47002C).

## Understanding the Conversion Program

You use the Inbound Flat File Conversion program (R47002C) to import flat files into PeopleSoft EnterpriseOne Procurement interface tables. You can create a separate version of the Inbound Flat File Conversion program for each interface table. This program recognizes both the flat file from which it reads and the record types UDC (00/RD) within the flat file. Each flat file contains records of differing lengths, based on the interface table record to which they correspond. The Inbound Flat File Conversion program uses the (F47002) table to convert the flat file into the interface tables. The F47002 table indicates to the conversion program which flat file to read from, based on the transaction type that you are receiving.

The conversion program reads each record in the flat file and maps the record data into each field of the interface tables, based on the text qualifiers and field delimiters that are specified in the flat file.

The conversion program inserts the field data as one complete record in the interface table. If the conversion program encounters an error while converting data, it withholds the data in error and continues processing the conversion. If the data is successfully converted, the system automatically starts the transaction process for that interface table, provided that you set the processing options in the conversion program to do so.

See [Chapter 5, “Working with Interoperability for PeopleSoft EnterpriseOne Procurement,” Setting Processing Options for the Inbound Flat File Conversion Program \(R47002C\), page 42.](#)

## Running the Inbound Flat File Conversion Program (R47002C)

Select Purchasing Interoperability (G43A313), Inbound Flat File Conversion.

## Setting Processing Options for the Inbound Flat File Conversion Program (R47002C)

Processing options enable you to specify the default processing for programs and reports.

For programs, you can specify options such as the default values for specific transactions, whether fields appear on a form, and the version of the program that you want to run.

For reports, processing options enable you to specify the information that appears on reports. For example, you set a processing option to include the fiscal year or the number of aging days on a report.

Do not modify EnterpriseOne demo versions, which are identified by ZJDE or XJDE prefixes. Copy these versions or create new versions to change any values, including the version number, version title, prompting options, security, and processing options.

### Transaction

Although processing options are set up during EnterpriseOne implementation, you can change processing options each time you run a program.

- 1. Enter the transaction to process.** Specify the type of transaction to process using UDC (00/TT).

### Separators

Although processing options are set up during EnterpriseOne implementation, you can change processing options each time you run a program.

- 1. Enter the field delimiter.** Specify the type of processing for an event.
- 2. Enter the text qualifier.** Specify the type of processing for an event.

## Process

Although processing options are set up during EnterpriseOne implementation, you can change processing options each time you run a program.

### 1. Enter the inbound processor to run after successful completion of the conversion.

Specify a name that identifies a system object.

EnterpriseOne architecture is object-based. Discrete software objects are the building blocks for all applications, and developers can reuse the objects in multiple applications. The Object Librarian tracks each object. Examples of system objects include:

- Batch Applications (such as reports).
- Interactive Applications.
- Business Views.
- Business Functions.
- Business Functions Data Structures.
- Event Rules.
- Media Object Data Structures.

### 2. Enter the version for the inbound processor.

Specify a set of specifications that control how applications and reports run.

You use versions to group and save a set of processing option values and data selection and sequencing options. Interactive versions are associated with applications (usually as a menu selection). Batch versions are associated with batch jobs or reports. To run a batch process, you must select a version.

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## Reviewing and Revising Interoperability Transactions for PeopleSoft EnterpriseOne Procurement

This section provides an overview of reviewing and revising interoperability transactions for PeopleSoft EnterpriseOne Procurement and discusses how to:

- Review and revise receiving advice transactions.
- Review and revise receipt routing transactions.
- Review and revise purchase order transactions.

## Understanding Reviewing and Revising Interoperability Transactions for PeopleSoft EnterpriseOne Procurement

Running a transaction process, such as Receipt Routing Unedited Transactions (P43092Z1), often identifies one or more inbound transactions that contain invalid transactions. For example, if you are in receipt routing and you try to move inventory to a step that was not defined in the receipt route, the Receipt Routing Unedited Transactions process identifies the invalid transaction and sends an error message to the Work Center (P012501). The error message indicates the transaction number for the transaction in error.

You can inquire on these menu options to review and revise inbound transactions:

- Inbound Receiving Advice Inquiry
- Inbound Receipt Routing Inquiry
- Inbound Purchase Order Inquiry

Use the inquiry menu selections to add, change, or delete transactions containing errors. Then run the appropriate transaction process again. Continue to make corrections and rerun the transaction process until the program runs without errors.

See *PeopleSoft EnterpriseOne Data Interface for Electronic Data Interchange 8.11 PeopleBook*, “Running Inquiries and Revising EDI Documents”.

You can review and revise receiving advice transactions, receipt routing transactions, or purchase order transactions.

## Processing Log Review

You can use the processing log to review whether the system has processed inbound and outbound transactions. With the processing log, you can review whether a vendor-specific transaction has processed successfully. The processing log contains key information from the F0047 table about the interoperability transaction, such as the transaction type, order type, and sequence number, batch process or function and corresponding version. The system creates a record for every transaction that is processed in the outbound process.

The information in the processing log is for review only and cannot be changed in either the processing log or EnterpriseOne applications.

## Interoperability Transaction Records Purge

When data becomes obsolete or you need more disk space, you can use purge programs to remove data from interoperability files.

PeopleSoft EnterpriseOne Procurement contains a purge option for both inbound and outbound transactions. Use these purges to remove data from the corresponding interoperability tables:

- EDI Receiving Advice Inbound Purge (R47078)
- PO Unedited Transaction Inbound Processor (R4311Z11)
- EDI Purchase Order Outbound Purge (R47019)

## Forms Used to Review and Revise Interoperability Transactions for PeopleSoft EnterpriseOne Procurement

| Form Name                              | Form ID   | Navigation                                                                                                                                                      | Usage                                                                                                                                                                                                                                                                                                  |
|----------------------------------------|-----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Inbound EDI Receiving Advice Revisions | W47070B   | Purchasing Interoperability (G43A313), Inbound Receiving Advice Inquiry<br><br>Locate a transaction and click Select on Work with Inbound EDI Receiving Advice. | Locate and revise receiving advice transactions.<br><br>If applicable, select Detail Revisions from the Row menu to review or change additional detail information.<br><br>After you correct the errors identified by the Inbound Receiving Advice Inquiry process, run the transaction process again. |
| Unedited Transaction Revisions         | W43092Z1B | Purchasing Interoperability (G43A313), Inbound Receipt Routing Inquiry<br><br>Locate a transaction and click Select on Work With Unedited Transactions.         | Locate and revise receipt routing transactions.<br><br>If applicable, select Revisions from the Row menu to review or change additional detail information.<br><br>After you correct the errors identified by the Inbound Receipt Routing Inquiry process, run the transaction process again.          |
| Unedited Transaction Header Revisions  | W4311Z1C  | Purchasing Interoperability (G43A313), Inbound Purchase Order Inquiry<br><br>Locate a transaction and click Select on Work With PO Unedited Transactions.       | Locate and revise purchase order transactions.<br><br>If applicable, select Detail Revisions from the Row menu to review or change additional detail information.<br><br>After you correct the errors identified by the Inbound Purchase Order Inquiry process, run the transaction process again.     |

### Reviewing and Revising Receiving Advice Transactions

Access the Inbound EDI Receiving Advice Revisions form.

### Reviewing and Revising Receipt Routing Transactions

Access the Unedited Transaction Revisions form.

## Reviewing and Revising Purchase Order Transactions

Access the Work With PO Unedited Transactions form.

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## Working with the Outbound Order Processor

This section provides an overview of the outbound order processor and discusses how to send transactions with the outbound order processor.

### Understanding the Outbound Order Processor

You might send transactions you create or change in PeopleSoft EnterpriseOne Procurement to an external system. For example, you might need to send information about changes on a purchase order to an external system.

The default outbound transaction is a copy of a data transaction after you created or changed it (an after image). With interoperability, you can also send a copy of each transaction as it was before you changed it (a before image). Creating and sending before images requires additional processing time. To control the type of image, you set a processing option in the application programs that create transactions.

You can send transactions from EnterpriseOne to an external system either of these two interoperability methods:

| Based On                    | Description                                                                                                                                                                                                                                                                                                                                                                   |
|-----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Batch extraction processor  | When you run an extraction process, the application retrieves data from PeopleSoft EnterpriseOne Procurement application tables for the transaction and copies the data to the interface tables. The system then generates an audit report that lists the processed documents.                                                                                                |
| Batch and subsystem process | All outbound master business functions used to create interoperability transactions have processing options that control the interoperability transaction. For batch and subsystem processing, you set up the processing options in the appropriate business function version for interoperability and then specify that application and version in the data export controls. |

The system places a copy of the transaction in the interface table for that type of transaction. For example, for an outbound purchase order the system places a copy of the transaction in the Purchase Order Header Unedited Transaction Table (F4301Z1) and the Purchase Order Detail Unedited Transaction Table (F4311Z1). The data is then available for an external system to use.

### Prerequisite

Define the data export controls for the type of outbound transaction. The system uses data export controls to determine the batch programs or business processes that third parties supply for use in processing transactions.

### Sending Transactions with the Outbound Order Processor

Select Purchasing Interoperability (G43A313), Outbound Order Processor.

## CHAPTER 6

# Working With Interoperability for PeopleSoft EnterpriseOne Forecast Management

This chapter provides an overview of interoperability for PeopleSoft EnterpriseOne Forecast Management and discusses how to:

- Set up interoperability transactions for PeopleSoft EnterpriseOne Forecast Management.
- Review and revise interoperability transactions.

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## Understanding Interoperability for PeopleSoft EnterpriseOne Forecast Management

To address the information requirements of an enterprise, companies sometimes use products from different software and hardware providers. Interoperability among different products is key to successfully implementing the enterprise solution. Full interoperability among different systems results in a flow of data among the different products that is seamless to the user. The PeopleSoft EnterpriseOne Forecast Management interoperability function provides an interface that facilitates exchanging transactions with external systems. These transactions are inbound and outbound.

External systems send information to the interface tables by using either an external program, or flat files and the Inbound Flat File Conversion program (R47002C). The sending party is responsible for conforming to format and other requirements for the interface tables.

You run a transaction process (a batch program) that validates the data, updates valid data to PeopleSoft EnterpriseOne Forecast Management application tables, and sends action messages to the Work Center (P012501) about any invalid data.

You use an inquiry function to interactively review the data for correctness; then run the transaction process again. You can repeat this process, if necessary.

You set a processing option to specify the transaction type for the outbound transaction. The system uses the master business function for the type of transaction, creates a copy of the transaction, and places the copy in the interface table where external systems can access it.

You use the purge function to remove obsolete and unnecessary data from interface tables. The system is more efficient when you keep these tables as small as possible.

### Interoperability Programs for PeopleSoft EnterpriseOne Forecast Management

The interoperability programs for PeopleSoft EnterpriseOne Forecast Management are:

- Inbound Flat File Conversion (R47002C)
- Forecast Transactions Revisions (P3460Z1)

- Forecast Inbound Processor (R3460Z1I)
- Purge Forecast Transactions (R3460Z1P)

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## Setting Up Interoperability Transactions for PeopleSoft EnterpriseOne Forecast Management

This chapter provides an overview of interoperability transaction setup for PeopleSoft EnterpriseOne Forecast Management and discusses how to:

- Set up the flat file cross-reference.
- Run the conversion program.
- Set processing options for Inbound Flat File Conversion (R47002C).

## Understanding Interoperability Transaction Setup for PeopleSoft EnterpriseOne Forecast Management

This section describes the flat file conversions for PeopleSoft EnterpriseOne Forecast Management.

### Flat File Conversion to Interface Tables

You can use a variety of methods to send data from external systems to the interoperability interface tables. One method is to enter the data in a flat file. If you use this method, the system converts the flat file to the interface table.

You can set a processing option to start the transaction process when the conversion completes successfully.

### Flat File Cross-Reference Setup

Before you can convert a flat file, you must provide a cross-reference from the flat file fields to the interface table fields. When you exchange data between this system and an external system, you use flat file cross-reference information for these conditions:

- For inbound transactions for which the external system cannot write data to the interface tables in the required format for this system. In this case, the external system can write the data to a specific flat file for each transaction and record type.
- For outbound transactions for which this system cannot write data to the interface tables in the format that is required by the external system. In this case, this system can write the data to a specific flat file for each transaction and record type.

The process for setting up flat file cross-references for Interoperability is identical to that for EDI interface tables.

See *PeopleSoft EnterpriseOne Data Interface for Electronic Data Interchange 8.11 PeopleBook*, “Processing EDI Documents,” Understanding the Inbound Flat File Conversion Program (R47002C).

## The Conversion Program

You use the Inbound Flat File Conversion program (R47002C) to import flat files into PeopleSoft EnterpriseOne Forecast Management interface tables. You can create a separate version of the Inbound Flat File Conversion program for each interface table. This program recognizes both the flat file from which it reads and the record types UDC (00/RD) within the flat file. Each flat file contains records of differing lengths, based on the interface table record to which they correspond. The Inbound Flat File Conversion program uses the (F47002) table to convert the flat file into the interface tables. The F47002 table indicates to the conversion program which flat file to read from, based on the transaction type that you are receiving.

The conversion program reads each record in the flat file and maps the record data into each field of the interface tables, based on the text qualifiers and field delimiters that are specified in the flat file.

The conversion program inserts the field data as one complete record in the interface table. If the conversion program encounters an error while converting data, it withholds the data in error and continues processing the conversion. If the data is successfully converted, the system automatically starts the transaction process for that interface table, provided that you set the processing options in the conversion program to do so.

## Transactions from External Systems

When an external system sends inbound transactions, PeopleSoft EnterpriseOne Forecast Management stores the data in interface tables. These tables contain unedited transactions. You must run the appropriate transaction process to edit the transactions and update the application tables. For example, if you receive a transaction in the Forecast Unedited Transactions (F3460Z1) interface table, you run the Forecast Inbound Processor (R3460Z1I) to update the Forecast File table (F3460).

To be received in the interface tables, data from an external system must conform to the minimum field requirements that are specified for the interface table.

During the transaction process, the system:

- Validates the data in the interface table (for example, table F3460Z1) to ensure that the data is correct and conforms to the format that is defined for PeopleSoft EnterpriseOne Forecast Management
- Updates the associated application table (for example, table F3460) with validated data
- Produces a report that lists invalid transactions and sends an action message for each invalid transaction to the Work Center (P012501)
- Marks in the interface tables those transactions that are successfully updated to the application tables

If the report indicates errors, you can select the Employee Work Center option from the Workflow Management menu (G02) to review the messages in the message center. You can use the associated inquiry function to review and revise the transactions; then rerun the transaction process.

---

**Note.** When the Inbound Flat File Conversion program (R47002C) completes successfully, the system automatically starts the transaction process if you have set the appropriate processing option.

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You need to perform only those tasks that are appropriate for the situation.

## Prerequisites

Before you complete the tasks in this section:

- Ensure that the flat file is a comma-delimited ASCII text file that is stored on the hard drive of the personal computer.
- Ensure that the data conforms to the specified format.

See *PeopleSoft EnterpriseOne Data Interface for Electronic Data Interchange 8.11 PeopleBook*, “Processing EDI Documents,” Understanding the Inbound Flat File Conversion Program (R47002C).

- On the appropriate drives on the computer or network, set up the folders for the flat files.

## Forms Used to Set Up Interoperability Transactions for PeopleSoft EnterpriseOne Forecast Management

| Form Name                 | Form ID | Navigation                                                                                                             | Usage                                                                                                                                                                  |
|---------------------------|---------|------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Flat File Cross-Reference | W47002B | Forecast Interoperability (G36301), Flat File Cross-Reference<br><br>Click Add on Work With Flat File Cross-Reference. | Set up the flat file cross-reference.<br><br>The file name refers to the application table from which the system exchanges information, as defined by the record type. |

### Setting Up the Flat File Cross-Reference

Access the Flat File Cross-Reference form.

### Running the Conversion Program

Select Forecast Interoperability (G36301), Inbound Flat File Conversions.

### Setting Processing Options for the Inbound Flat File Conversion Program (R47002C)

Processing options enable you to specify the default processing for programs and reports.

For programs, you can specify options such as the default values for specific transactions, whether fields appear on a form, and the version of the program that you want to run.

For reports, processing options enable you to specify the information that appears on reports. For example, you set a processing option to include the fiscal year or the number of aging days on a report.

Do not modify EnterpriseOne demo versions, which are identified by ZJDE or XJDE prefixes. Copy these versions or create new versions to change any values, including the version number, version title, prompting options, security, and processing options.

#### Transaction

Although processing options are set up during EnterpriseOne implementation, you can change processing options each time you run a program.

- 1. Enter the transaction to process.** Specify the type of transaction to process using UDC (00/TT).

#### Separators

Although processing options are set up during EnterpriseOne implementation, you can change processing options each time you run a program.

1. **Enter the field delimiter.** Specify the type of processing for an event.
2. **Enter the text qualifier.** Specify the type of processing for an event.

## Process

Although processing options are set up during EnterpriseOne implementation, you can change processing options each time you run a program.

### 1. Enter the inbound processor to run after successful completion of the conversion.

Specify a name that identifies a system object.

EnterpriseOne architecture is object-based. Discrete software objects are the building blocks for all applications, and developers can reuse the objects in multiple applications. The Object Librarian tracks each object. Examples of system objects include:

- Batch Applications (such as reports)
- Interactive Applications
- Business Views
- Business Functions
- Business Functions Data Structures
- Event Rules
- Media Object Data Structures

### 2. Enter the version for the inbound processor.

Specify a set of specifications that control how applications and reports run.

You use versions to group and save a set of processing option values and data selection and sequencing options. Interactive versions are associated with applications (usually as a menu selection). Batch versions are associated with batch jobs or reports. To run a batch process, you must select a version.

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## Reviewing and Revising Interoperability Transactions

This section provides an overview of reviewing and revising interoperability transactions and discusses how to:

- Review and revise inbound transactions.
- Set processing options for Forecast Transaction Revisions (P3460Z1).

## Understanding Reviewing and Revising Interoperability Transactions

This section provides information about reviewing and revising interoperability transactions.

## Inbound Transactions

Running the transaction process, Forecast Transactions Revisions (P3460Z1), often identifies one or more inbound transactions that contain invalid transactions. For example, a forecast might have an invalid inclusion rule. In that case, the program cannot add that forecast to the F3460 table. Instead, the program sends an error message to the Work Center (P012501), indicating the transaction number for the transaction in error.

Use the inquiry menu selection to review and revise inbound transactions; and then to add, change, or delete transactions containing errors. Then run the transaction process again. Continue to make corrections and rerun the transaction process until the program runs without errors.

See *PeopleSoft EnterpriseOne Data Interface for Electronic Data Interchange 8.11 PeopleBook*, “Running Inquiries and Revising EDI Documents”.

## Transactions Sent to External Systems

You might send transactions you create or change in PeopleSoft EnterpriseOne Forecast Management to another system. For example, if the organization uses hand-held scanning devices, you can use interoperability transactions to update the database that is used by the scanning devices.

The default outbound transaction is a copy of a data transaction after you created or changed it (an after image). With interoperability, you can also send a copy of each transaction as it was before you changed it (a before image). Creating and sending before images requires additional processing time. To control the type of image, you set a processing option in the application programs that create transactions.

You can send transactions to an external system from the Forecast Revisions (P3460) program in PeopleSoft EnterpriseOne Forecast Management.

To create outbound transactions, specify the appropriate transaction type in the related processing option. The system places a copy of the transaction in the interface table for that type of transaction. For example, when you run Forecast Revisions with the interoperability processing option turned on, the system places a copy of updated forecast data in the (F3460Z1) interface table. The data is then available for an external system to use.

The system creates the outbound transaction in EDI format. External systems can process the transactions using standard EDI processing, including extraction.

## Interoperability Transaction Records Purge

When data becomes obsolete or you need more disk space, you can use purge programs to remove data from interface tables.

The Forecast Interoperability menu (G36301) contains an option for purging inbound transactions. Use the Purge Forecast Transactions program to remove data from the corresponding interface tables.

See *PeopleSoft EnterpriseOne 8.94 Interoperability PeopleBook*.

## Prerequisite

Define the data export controls for the type of outbound transaction. The system uses data export controls to determine the batch programs or business processes that third parties supply for use in processing transactions.

## Forms Used to Review and Revise Interoperability Transactions

| Form Name                     | Form ID  | Navigation                                                                                                          | Usage                                                                                                                                                 |
|-------------------------------|----------|---------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| Work With Transactions (All)  | W3460Z1A | Forecast Interoperability (G36301), Forecast Transaction Revisions<br><br>Click Find on Work With Forecast Batches. | Review inbound transactions.                                                                                                                          |
| Forecast Transaction Revision | W3460Z1B | Select a record and clickSelect on the Work With Transactions (All) form.                                           | Revise a transaction.<br><br>After you correct the errors identified by the Forecast Inbound Processor (R3460Z1I), run the transaction process again. |

## Reviewing and Revising Inbound Transactions

Access the Work With Transactions (All) form.

## Setting Processing Options for the Forecast Transaction Revisions Program (P3460Z1)

Processing options enable you to specify the default processing for programs and reports.

For programs, you can specify options such as the default values for specific transactions, whether fields appear on a form, and the version of the program that you want to run.

For reports, processing options enable you to specify the information that appears on reports. For example, you set a processing option to include the fiscal year or the number of aging days on a report.

Do not modify EnterpriseOne demo versions, which are identified by ZJDE or XJDE prefixes. Copy these versions or create new versions to change any values, including the version number, version title, prompting options, security, and processing options.

### Display

Although processing options are set up during EnterpriseOne implementation, you can change processing options each time you run a program.

**1. Enter '1' to inquire at the batch level, leave Blank to inquire at the transaction level.**

Specify the level of inquiry. Values are:

Blank: Inquire at the transaction level

1: Inquire at the batch level

**2. Enter '1' for Processed Records, '2' for Unprocessed or Blank for both.**

Specify whether a record has been successfully processed. Values are:

Blank: Both Processed and Unprocessed Records

1: Processed Records

Depending on the application, the system updates the EDSP field in a table with one of these entries:

Blank: (or N or 0) Not processed

- 1: Successfully processed  
2: Unprocessed Records
- 3. Enter '1' for Inbound records, '2' for Outbound Records or Blank for both.** Specify whether the transaction is inbound or outbound. Values are:  
Blank: Both Inbound and Outbound Records  
1: Inbound Records  
2: Outbound Records  
The values are found in UDC (00/DN).

## Version

Although processing options are set up during EnterpriseOne implementation, you can change processing options each time you run a program.

- 1. Enter the version for Process Inbound Forecasts for batch of One.** Specify how applications and reports run. You use versions to group and save a set of processing option values and data selection and sequencing options. Interactive versions are associated with applications (usually as a menu selection). Batch versions are associated with batch jobs or reports. To run a batch process, you must choose a version.  
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## CHAPTER 7

# Working with Interoperability for PeopleSoft EnterpriseOne Product Data Management

This chapter provides an overview of Interoperability for PeopleSoft EnterpriseOne Product Data Management and discusses how to:

- Set up for interoperability transactions for PeopleSoft EnterpriseOne Product Data Management.
- Run the conversion program.
- Review and revise inbound interoperability transactions.

---

## Understanding Interoperability for PeopleSoft EnterpriseOne Product Data Management

To fully cover the information requirements of an enterprise, companies sometimes use products from different software and hardware providers. Interoperability among different products is important to successfully implementing the enterprise solution. Full interoperability among different systems results in a flow of data among the systems that is seamless to the user. The interoperability function provides an interface that facilitates exchanging transactions, both inbound and outbound, with external systems.

External systems send data to the interface tables, either using an external program or using flat files and the Inbound Flat File Conversion program (R47002C). The sending party is responsible for conforming to format and other requirements for the interface tables. You run a transaction process (a batch program) that validates the data, updates valid data to the EnterpriseOne application tables, and sends action messages to the Employee Work Center about any invalid data.

You use an inquiry function to interactively review the invalid data for correctness, and then run the transaction process again. You repeat this process as often as necessary.

You set a processing option to specify the transaction type for the outbound transaction. The system uses the master business function for the type of transaction, creates a copy of the transaction, and places it in the interface table from which external systems can access it.

You use the purge function to remove obsolete and unnecessary data from interface tables. The system is more efficient when you keep these tables as small as possible.

### Interoperability Programs for PeopleSoft EnterpriseOne Product Data Management

PeopleSoft EnterpriseOne Product Data Management provides these interoperability programs:

- Inbound Flat File Conversion Programs (R47002C):
  - Inbound Work Center Data
  - Inbound Work Day Calendar Data

- Inbound Bill of Material Data
- Inbound Routing Data
- Inbound Transaction Programs:
  - Process Inbound Work Center (R30006Z1I)
  - Process Inbound Work Day Calendar DC (R0007Z1I)
  - Process Inbound Bill of Material (R3002Z1I)
  - Process Inbound Routing (R3003Z1I)
- Inbound Inquiry Programs:
  - Work Center Transaction Revisions (P30006Z1)
  - Work Day Calendar Transaction Revisions (P0007Z1)
  - Revise Bill of Material Transactions (P3002Z1)
  - Routing Transaction Revisions (P3003Z1)
- Purge Programs:
  - Purge Work Center Transactions (R30006Z1P)
  - Purge Work Day Calendar Transactions (R0007Z1P)
  - Purge BOM Transactions (R3002Z1P)
  - Purge Routing Transactions (R3003Z1P)

## Flat File Conversions to Interface Tables

You can use a variety of methods to send data from external systems to the interoperability interface tables. One method is to enter the data in a flat file. If you use this method, the system converts the flat file to the interface table.

You can set a processing option to start the transaction process when the conversion completes successfully.

## Transactions from External Systems

When an external system sends inbound transactions, the system stores the data in interface tables. These tables contain unedited transactions. The next step is to run the appropriate transaction process to edit the transactions and update the application tables. For example, if you receive transactions in the Bill of Material Transaction File table (F3002Z1), you run Process Inbound Bill of Material (R3002Z1I) to update the Bill of Material Master File table (F3002).

---

**Note.** When you run the Inbound Flat File Conversion program (R47002C) and it completes successfully, the system automatically starts the transaction process, if specified in the processing option for the conversion.

---

To be received in the interface tables, data from an external system must conform to the minimum field requirements specified for the interface table.

The transaction process:

- Validates the data in the interface table (for example, table F3002Z1) to ensure that it is correct and conforms to the format that is defined for PeopleSoft EnterpriseOne Product Data Management
- Updates the associated application table (for example, table F3002) with validated data

- Produces a report that lists invalid transactions and sends an action message for each invalid transaction to the employee work center
- Marks in the interface tables those transactions that are successfully updated to the application tables

If the report indicates errors, access the Employee Work Center program from the Workflow Management menu (G02) and review the messages in the message center. Then use the associated inquiry function to review and revise the transactions, and rerun the transaction process.

Before you run any of the inbound transaction programs, specify the appropriate values for processing in the processing options.

## Transactions to External Systems

You might send transactions that you create or change in PeopleSoft EnterpriseOne Product Data Management to another system. For example, if the organization uses hand-held scanning devices, you can use interoperability transactions to update the database that is used by the scanning devices.

The default outbound transaction is a copy of a data transaction after you created or changed it (an *after image*). With interoperability, you can also send a copy of each transaction as it was before you changed it (a *before image*). Creating and sending before images requires additional processing time. To control the type of image, you set a processing option in the application programs that create transactions.

You can send transactions to an external system from these programs in PeopleSoft EnterpriseOne Product Data Management:

- Work Center Revision (P3006)
- Workday Calendar (P00071)
- Enter/Change Bill (P3002)
- Work With Routing Master (P3003)

To create outbound transactions, specify the appropriate transaction type in the related processing option. The system places a copy of the transaction in the interface table for that type of transaction. For example, when you run Work Center Revisions with the interoperability processing option turned on, the system places a copy of updated work center data in the Work Center Transaction File table (F30006Z1). The data is then available for an external system to use.

The system creates the outbound transaction in Electronic Data Interchange (EDI) format. External systems can process the transactions using standard EDI processing, including extraction.

---

## Setting Up for Interoperability Transactions for PeopleSoft EnterpriseOne Product Data Management

This section provides an overview of Interoperability Transaction Setup for PeopleSoft EnterpriseOne Product Data Management and discusses how to set up the flat file cross-reference.

### Understanding Interoperability Transaction Setup for PeopleSoft EnterpriseOne Product Data Management

Before you process interoperability transactions, it is necessary to first set up the flat file cross-reference.

## Flat File Cross-Reference Setup

Before you can convert a flat file, you must provide a cross-reference from the flat file fields to the interface table fields. When you exchange data between this system and an external system, you use flat file cross-reference information for these conditions:

- For inbound transactions for which the external system cannot write data to the interface tables in the required format for this system. In this case, the external system can write the data to a specific flat file for each transaction and record type.
- For outbound transactions for which this system cannot write data to the interface tables in the format that is required by the external system. In this case, this system can write the data to a specific flat file for each transaction and record type.

The process for setting up flat file cross-references for Interoperability is identical to that for EDI interface tables.

See *PeopleSoft EnterpriseOne Data Interface for Electronic Data Interchange 8.11 PeopleBook*, “Processing EDI Documents,” Understanding the Inbound Flat File Conversion Program (R47002C).

## Prerequisites

Before you complete the tasks in this section:

- Ensure that the flat file is a comma-delimited ASCII text file that is stored on the hard drive of the personal computer.
- Ensure that the data conforms to the specified format. See *Converting Data from Flat Files into EDI Interface Tables* in the *Data Interface for Electronic Data Interchange Guide* for information about formatting requirements.
- On the appropriate drives on the computer or network, set up the folders for the flat files.

## Forms Used to Set Up for Interoperability Transactions for PeopleSoft EnterpriseOne Product Data Management

| Form Name                 | Form ID | Navigation                                                                                                                | Usage                                                                                                                                                                  |
|---------------------------|---------|---------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Flat File Cross-Reference | W47002B | Product Data Interoperability (G30311), Flat File Cross-Reference<br><br>Click Addon Work With Flat File Cross-Reference. | Set up the flat file cross-reference.<br><br>The file name refers to the application table from which the system exchanges information, as defined by the record type. |

## Setting Up the Flat File Cross-Reference

Access the Flat File Cross-Reference form.

---

## Running the Conversion Program

This section provides an overview of the conversion program and discusses how to:

- Run the inbound flat file conversion program (R47002C).
- Receiving transactions from external systems.
- Set processing options for process inbound routing (R3003Z11).

## Understanding the Conversion Program

You use the Inbound Flat File Conversion program (R47002C) to import flat files into PeopleSoft EnterpriseOne Product Data Management interface tables. You can create a separate version of the Inbound Flat File Conversion program for each interface table. This program recognizes both the flat file from which it reads and the record types UDC (00/RD) within the flat file. Each flat file contains records of differing lengths, based on the interface table record to which they correspond. The Inbound Flat File Conversion program uses the (F47002) table to convert the flat file into the interface tables. The F47002 table indicates to the conversion program which flat file to read from, based on the transaction type that you are receiving.

The conversion program reads each record in the flat file and maps the record data into each field of the interface tables, based on the text qualifiers and field delimiters that are specified in the flat file.

The conversion program inserts the field data as one complete record in the interface table. If the conversion program encounters an error while converting data, it withholds the data in error and continues processing the conversion. If the data is successfully converted, the system automatically starts the transaction process for that interface table, provided that you set the processing options in the conversion program to do so.

See [Chapter 7, “Working with Interoperability for PeopleSoft EnterpriseOne Product Data Management,” Receiving Transactions from External Systems, page 59.](#)

## Running the Inbound Flat File Conversion Program (R47002C)

Select Product Data Interoperability (G30311), Inbound Flat File Conversion.

Run Inbound Flat File Conversion (R47002C).

## Receiving Transactions from External Systems

Select Product Data Interoperability (G30311), and one of these:

- Process Inbound Work Center Transactions
- Process Inbound WDC Transactions
- Process Inbound BOM
- Process Inbound Routing

## Setting Processing Options for the Process Inbound Routing Program (R3003Z11)

Processing options enable you to specify the default processing for programs and reports.

For programs, you can specify options such as the default values for specific transactions, whether fields appear on a form, and the version of the program that you want to run.

For reports, processing options enable you to specify the information that appears on reports. For example, you set a processing option to include the fiscal year or the number of aging days on a report.

Do not modify EnterpriseOne demo versions, which are identified by ZJDE or XJDE prefixes. Copy these versions or create new versions to change any values, including the version number, version title, prompting options, security, and processing options.

## Versions

Although processing options are set up during EnterpriseOne implementation, you can change processing options each time you run a program.

### Version

Specify how applications and reports run. You use versions to group and save a set of processing option values and data selection and sequencing options. Interactive versions are associated with applications (usually as a menu selection). Batch versions are associated with batch jobs or reports. To run a batch process, you must choose a version. Enter the version of Enter/Change Routing to retrieve processing option values for updates.

Blank: ZJDE0001

---

## Reviewing and Revising Interoperability Transactions

This section provides an overview of reviewing and revising inbound interoperability transactions and discusses how to:

- Review and revise inbound transactions.
- Set processing options for work center transaction revisions (P30006Z1).
- Set processing options for work day calendar transaction revisions (P0007A1).
- Set processing options for revise bill of material transaction (P3002Z1).
- Set processing options for routing transaction revisions (P3003Z1).

## Understanding Reviewing and Revising Interoperability Transactions

Running one of the transaction processes, such as the Work Center Transaction Revisions, often identifies one or more inbound transactions that contain invalid transactions. For example, a work center might have an invalid location branch. In that case, the program cannot add that work center to the Work Center Master File table (F30006). Instead, the program sends an error message to the Employee Work Center indicating the transaction number for the transaction in error.

Use the inquiry menu selections to review and revise inbound transactions. Use the inquiry menu selections to add, change, or delete transactions containing errors. Then run the transaction process again. Continue to make corrections and rerun the transaction process until the program runs without errors.

The PeopleSoft EnterpriseOne Product Data Management inquiry menu selections are:

- Work Center Transaction Revisions
- Workday Calendar Transaction Revisions
- Bill of Material Transaction Revisions
- Routing Transaction Revisions

See *PeopleSoft EnterpriseOne Data Interface for Electronic Data Interchange 8.11 PeopleBook*, “Running Inquiries and Revising EDI Documents”.

## Prerequisites

Before you complete the tasks in this section:

- Set up the conversion table that supports Unicode processing. See Flat File Encoding in the System Administration Guide for information on setting up this table.
- Define the data export controls for the type of outbound transaction. The system uses data export controls to determine the batch programs or business processes that third parties supply for use in processing transactions.

See *PeopleSoft EnterpriseOne 8.94 Interoperability PeopleBook*.

## Forms Used to Review and Revise Interoperability Transactions for PeopleSoft EnterpriseOne Product Data Management

| Form Name                               | Form ID   | Navigation                                                                                                                   | Usage                                                                                                                                                                           |
|-----------------------------------------|-----------|------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Work Center Transaction Revisions       | W30006Z1B | Product Data Interoperability (G30311), Work Center Transaction Revisions<br><br>Locate a transaction and click Select.      | Review and revise inbound transactions.<br><br>After you correct the errors that are identified by the Process Inbound Work Center, run the transaction process again.          |
| Work Day Calendar Transaction Revisions | W0007Z1B  | Product Data Interoperability (G30311), WDC Transaction Revisions<br><br>Locate a transaction and click Select.              | Review and revise inbound transactions.<br><br>After you correct the errors that are identified by the Process Inbound Work Day Calendar DC, run the transaction process again. |
| Bill of Material Transactions Revisions | W3002Z1B  | Product Data Interoperability (G30311), Bill of Material Transaction Revisions<br><br>Locate a transaction and click Select. | Review and revise inbound transactions.<br><br>After you correct the errors that are identified by the Process Inbound Bill of Material, run the transaction process again.     |
| Revise Routing Transactions             | W3003Z1B  | Product Data Interoperability (G30311), Routing Transaction Revisions<br><br>Locate a transaction and click Select.          | Review and revise inbound transactions.<br><br>After you correct the errors that are identified by the Process Inbound Routing, run the transaction process again.              |

## Reviewing and Revising Inbound Transactions

Access the Work Center Transaction Revisions form.

## Setting Processing Options for the Work Center Transaction Revisions Program (P30006Z1)

Processing options enable you to specify the default processing for programs and reports.

For programs, you can specify options such as the default values for specific transactions, whether fields appear on a form, and the version of the program that you want to run.

For reports, processing options enable you to specify the information that appears on reports. For example, you set a processing option to include the fiscal year or the number of aging days on a report.

Do not modify EnterpriseOne demo versions, which are identified by ZJDE or XJDE prefixes. Copy these versions or create new versions to change any values, including the version number, version title, prompting options, security, and processing options.

### Display

Although processing options are set up during EnterpriseOne implementation, you can change processing options each time you run a program.

|                          |                                                                                                                                            |
|--------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Level of Inquiry</b>  | Specify the type of processing for an event. Values are:<br>Blank: To inquire at the transaction level<br>1: To inquire at the batch level |
| <b>Processed Status.</b> | Specify the type of processing for an event. Values are:<br>Blank: Both Possessed and Unprocessed<br>1: Processed<br>2: Unprocessed        |
| <b>Direction</b>         | Specify a flag that indicates that data is case sensitive. Values are:<br>Blank: Both Inbound and Outbound<br>1: Inbound<br>2: Outbound    |

## Setting Processing Options for the Work Day Calendar Transaction Revisions Program (P0007Z1)

Processing options enable you to specify the default processing for programs and reports.

For programs, you can specify options such as the default values for specific transactions, whether fields appear on a form, and the version of the program that you want to run.

For reports, processing options enable you to specify the information that appears on reports. For example, you set a processing option to include the fiscal year or the number of aging days on a report.

Do not modify EnterpriseOne demo versions, which are identified by ZJDE or XJDE prefixes. Copy these versions or create new versions to change any values, including the version number, version title, prompting options, security, and processing options.

## Display

Although processing options are set up during EnterpriseOne implementation, you can change processing options each time you run a program.

|                          |                                                                                                                                            |
|--------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Level of Inquiry</b>  | Specify the type of processing for an event. Values are:<br>Blank: To inquire at the transaction level<br>1: To inquire at the batch level |
| <b>Processed Status.</b> | Specify the type of processing for an event. Values are:<br>Blank: Both Possessed and Unprocessed<br>1: Processed<br>2: Unprocessed        |
| <b>Direction</b>         | Specify a flag that indicates that data is case sensitive. Values are:<br>Blank: Both Inbound and Outbound<br>1: Inbound<br>2: Outbound    |

## Setting Processing Options for the Revise Bill of Material Transaction Program (P3002Z1)

Processing options enable you to specify the default processing for programs and reports.

For programs, you can specify options such as the default values for specific transactions, whether fields appear on a form, and the version of the program that you want to run.

For reports, processing options enable you to specify the information that appears on reports. For example, you set a processing option to include the fiscal year or the number of aging days on a report.

Do not modify EnterpriseOne demo versions, which are identified by ZJDE or XJDE prefixes. Copy these versions or create new versions to change any values, including the version number, version title, prompting options, security, and processing options.

## Display

Although processing options are set up during EnterpriseOne implementation, you can change processing options each time you run a program.

|                          |                                                                                                                                      |
|--------------------------|--------------------------------------------------------------------------------------------------------------------------------------|
| <b>Level of Inquiry:</b> | Specify the type of processing for an event. Values are:<br>Blank: Inquire at the transaction level<br>1: Inquire at the Batch Level |
| <b>Processed View:</b>   | Specify the type of processing for an event. Values are:<br>Blank: Both Processed and Unprocessed<br>1: Processed<br>2: Unprocessed  |
| <b>Direction:</b>        | Specify a flag that indicates that data is case sensitive. Values are:                                                               |

Blank: Both Inbound and Outbound

1: Inbound

2: Outbound

## Versions

Although processing options are set up during EnterpriseOne implementation, you can change processing options each time you run a program.

**Default Version:** Enter the version for Processed Inbound Bill of Material to submit.

Blank: ZJDE0001

## Setting Processing Options for the Routing Transaction Revisions Program (P3003Z1)

Processing options enable you to specify the default processing for programs and reports.

For programs, you can specify options such as the default values for specific transactions, whether fields appear on a form, and the version of the program that you want to run.

For reports, processing options enable you to specify the information that appears on reports. For example, you set a processing option to include the fiscal year or the number of aging days on a report.

Do not modify EnterpriseOne demo versions, which are identified by ZJDE or XJDE prefixes. Copy these versions or create new versions to change any values, including the version number, version title, prompting options, security, and processing options.

## Display

Although processing options are set up during EnterpriseOne implementation, you can change processing options each time you run a program.

**Level of Inquiry** Specify the type of processing for an event. Values are:

Blank: Inquire at the Transaction level

1: Inquire at the Batch level

**Processed Status** Specify the type of processing for an event. Values are:

Blank: Both Processed and Unprocessed

1: Processed

2: Unprocessed

**Direction** Specify a flag that indicates that data is case sensitive. Values are:

Blank: Both Inbound and Outbound

1: Inbound

2: Outbound

## CHAPTER 8

# Working with Interoperability for PeopleSoft EnterpriseOne Shop Floor Management

This chapter provides an overview of PeopleSoft EnterpriseOne Shop Floor Management interoperability and discusses how to:

- Set up interoperability transactions for PeopleSoft EnterpriseOne Shop Floor Management.
- Run the conversion program.
- Review and revise interoperability transactions.

---

## Understanding Interoperability for PeopleSoft EnterpriseOne Shop Floor Management

To fully cover the information requirements of an enterprise, companies sometimes use products from different software and hardware providers. Interoperability among different products is important to successfully implementing the enterprise solution. Full interoperability among different systems results in a flow of data among the systems that is seamless to the user. The interoperability function provides an interface that facilitates exchanging transactions, both inbound and outbound, with external systems.

External systems send data to the interface tables, either using an external program or using flat files and the Inbound Flat File Conversion program (R47002C). The sending party is responsible for conforming to format and other requirements for the interface tables. You run a transaction process (a batch program) that validates the data, updates valid data to the EnterpriseOne application tables, and sends action messages to the Employee Work Center about any invalid data.

You use an inquiry function to interactively review the invalid data for correctness, and then run the transaction process again. You repeat this process as often as necessary.

You set a processing option to specify the transaction type for the outbound transaction. The system uses the master business function for the type of transaction, creates a copy of the transaction, and places it in the interface table from which external systems can access it.

You use the purge function to remove obsolete and unnecessary data from interface tables. The system is more efficient when you keep these tables as small as possible.

### Interoperability Programs

PeopleSoft EnterpriseOne Shop Floor Management provides these interoperability programs:

- Inbound Conversion Programs (R47002C):
  - Inbound Backflush Flat File Conversion
  - Inbound Completion Flat File Conversion

- Inbound Issues Flat File Conversion
- Inbound Work Order Flat File Conversion
- Inbound Transaction Programs:
  - Inbound Hours and Quantities Processor (R31122Z1I)
  - Inbound Inventory Issues Processor (R31113Z1I)
  - Inbound Completion Processor (R31114Z1I)
  - Inbound Super Backflush Processor (R31123Z1I)
- Inbound Inquiry Programs:
  - Inbound Hours and Quantity Inquiry (P31122Z1)
  - Inbound Inventory Issues Inquiry (P3111Z1)
  - Inbound Work Order Inquiry (P4801Z1)
  - Inbound Super Backflush Inquiry (P3112Z1)
- Purge Programs:
  - Inbound Hours and Quantity Purge (R31122Z1)
  - Inbound Inventory Issues Purge (R3111Z1P)
  - Inbound Completion Purge (R4801Z1)
  - Inbound Super Backflush Purge (R3112Z1P)
  - Outbound Work Order Purge (R4801Z1P)
- Outbound Extraction Programs:
  - Outbound Work Order Extraction (R4801Z1X)
  - Outbound Operation Status Extraction (R4801Z2X)
  - Item Balance Extraction (R31SYN02)

## Flat File Conversion to Interface Tables

You can use a variety of methods to send data from external systems to the interoperability interface tables. One method is to enter the data in a flat file. If you use this method, the system converts the flat file to the interface table.

You can set a processing option to start the transaction process when the conversion completes successfully.

## Transactions from External Systems

When an external system sends inbound transactions, the system stores the data in interface tables. These tables contain unedited transactions. You must then run the appropriate transaction process to edit the transactions and update the application tables. For example, if you receive transactions in the Work Order Time Transactions Unedited Transaction table (F31122Z1), you run the Inbound Hours and Quantities Inquiry program (P31122Z1) to update the Work Order Time Transactions table (F31122).

---

**Note.** When you run the Inbound Flat File Conversion program (R47002C) and it completes successfully, the system automatically starts the transaction process, if specified in the processing option for the conversion.

---

To be received in the interface tables, data from an external system must conform to the minimum field requirements that are specified for the interface table.

The transaction process performs these steps:

- Validates the data in the interface table (for example, F31122Z1) to ensure that the data is correct and conforms to the format that is defined for PeopleSoft EnterpriseOne Shop Floor Management
- Updates the associated application table (for example, F31122) with validated data
- Produces a report that lists invalid transactions and sends an action message for each invalid transaction to the Employee Work Center program (P012501)
- Marks in the interface tables those transactions that are successfully updated to the application tables

If the report indicates errors, access the Employee Work Center program from the Workflow Management menu (G02) and review the messages in the message center. Use the associated inquiry function to review and revise the transactions and rerun the transaction process.

Before you run any of the inbound transaction programs, specify the appropriate values for processing in the processing options.

## Transactions to External Systems

You might need to send to another system transactions that you create or change in PeopleSoft EnterpriseOne Shop Floor Management. For example, if the organization uses hand-held scanning devices, you can use interoperability transactions to update the database used by the scanning devices.

The default outbound transaction is a copy of a data transaction after you created or changed it (an *after image*). With interoperability, you can also send a copy of each transaction as it was before you changed it (a *before image*). Creating and sending before images requires additional processing time. To control the type of image, you set a processing option in the application programs that create transactions.

You can send transactions to an external system from these programs in PeopleSoft EnterpriseOne Shop Floor Management:

- Enter/Change Order (P48013).
- Enter/Change Rate Schedule (P3109).
- Order Processing (R31410).
- Inventory Issues (P31113).
- Hours and Quantities Update (R31422).
- Work Order Completions (P31114).

To create outbound transactions, specify the appropriate transaction type in the related processing option. The system places a copy of the transaction in the interface table for that type of transaction. For example, when you run the Enter/Change Order program with the interoperability processing option turned on, the system places a copy of updated work order data in the Outbound Work Order Header interface table (F4801Z1). The data is then available for an external system to use.

The system creates the outbound transaction in EDI format. External systems can process the transactions using standard EDI processing, including extraction.

---

## Setting Up Interoperability Transactions for PeopleSoft EnterpriseOne Shop Floor Management

This section provides an overview of interoperability transaction setup for PeopleSoft EnterpriseOne Shop Floor Management and discusses how to:

- Set up the flat file cross-reference.
- Receive transactions from external systems.
- Set processing options for Inbound Completion Processor (R31114Z1I).
- Set processing options for Inbound Super Backflush Processor (R31123Z1I).
- Set processing options for Inbound Hours and Quantity Processor (R31122Z1I).
- Set processing options for Inbound Inventory Issues Processor (R31113Z1I).

## Understanding Interoperability Transaction Setup for PeopleSoft EnterpriseOne Shop Floor Management

Before you can convert a flat file, you must provide a cross-reference from the flat file fields to the interface table fields. When you exchange data between this system and an external system, you use flat file cross-reference information for these conditions:

- For inbound transactions for which the external system cannot write data to the interface tables in the required format for this system. In this case, the external system can write the data to a specific flat file for each transaction and record type.
- For outbound transactions for which this system cannot write data to the interface tables in the format that is required by the external system. In this case, this system can write the data to a specific flat file for each transaction and record type.

The process for setting up flat file cross-references for Interoperability is identical to that for EDI interface tables.

See *PeopleSoft EnterpriseOne Data Interface for Electronic Data Interchange 8.11 PeopleBook*, “Processing EDI Documents,” Understanding the Inbound Flat File Conversion Program (R47002C).

## Prerequisites

Before you complete the tasks in this section:

- On the appropriate drives on the computer or network, set up the folders for the flat files.
- Define the data export controls for the type of outbound transaction. The system uses data export controls to determine the batch programs or business processes that third parties supply for use in processing transactions.

See *PeopleSoft EnterpriseOne 8.94 Interoperability PeopleBook*.

- Ensure that the flat file is a comma-delimited ASCII text file that is stored on the hard drive of the personal computer.
- Ensure that the data conforms to the specified format. See *Converting Data from Flat Files into EDI Interface Tables* in the *Data Interface for Electronic Data Interchange Guide* for information about formatting requirements.

## Forms Used to Set Up Interoperability Transactions for PeopleSoft EnterpriseOne Shop Floor Management

| Form Name                 | Form ID | Navigation                                                                                   | Usage                                                                                                                                                                  |
|---------------------------|---------|----------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Flat File Cross-Reference | W47002B | Shop Floor Management Interoperability (G31311), Flat File Cross-Reference<br><br>Click Add. | Set up the flat file cross-reference.<br><br>The file name refers to the application table from which the system exchanges information, as defined by the record type. |

### Setting Up the Flat File Cross-Reference

Access the Flat File Cross-Reference form.

### Receiving Transactions from External Systems

From the Shop Floor Management Interoperability menu (G31311), select one of these:

- Inbound Hours and Quantity Processor
- Inbound Inventory Issues Processor
- Inbound Completion Processor
- Inbound Super Backflush Processor

Run the processor.

### Setting Processing Options for the Inbound Completion Processor Program (R31114Z1I)

Processing options enable you to specify the default processing for programs and reports.

For programs, you can specify options such as the default values for specific transactions, whether fields appear on a form, and the version of the program that you want to run.

For reports, processing options enable you to specify the information that appears on reports. For example, you set a processing option to include the fiscal year or the number of aging days on a report.

Do not modify EnterpriseOne demo versions, which are identified by ZJDE or XJDE prefixes. Copy these versions or create new versions to change any values, including the version number, version title, prompting options, security, and processing options.

#### Versions

Although processing options are set up during EnterpriseOne implementation, you can change processing options each time you run a program.

#### Enter the version of Inventory Completions (P31114).

Enter a version of inventory completions.

PeopleSoft has set up versions that begin with XJDE or ZJDE.

Blank: ZJDE0001

## Process

Although processing options are set up during EnterpriseOne implementation, you can change processing options each time you run a program.

- 1. Enter '1' to print only the records with errors.** Specify the type of processing for an event.

## Setting Processing Options for the Inbound Super Backflush Processor Program (R31123Z1I)

Processing options enable you to specify the default processing for programs and reports.

For programs, you can specify options such as the default values for specific transactions, whether fields appear on a form, and the version of the program that you want to run.

For reports, processing options enable you to specify the information that appears on reports. For example, you set a processing option to include the fiscal year or the number of aging days on a report.

Do not modify EnterpriseOne demo versions, which are identified by ZJDE or XJDE prefixes. Copy these versions or create new versions to change any values, including the version number, version title, prompting options, security, and processing options.

## Data Edits

Although processing options are set up during EnterpriseOne implementation, you can change processing options each time you run a program.

- Enter the Version of Work Order Super Backflush (P31123).** Enter a version of work order super backflush.  
Blank: ZJDE0001

## Printing

Although processing options are set up during EnterpriseOne implementation, you can change processing options each time you run a program.

- 1. Enter '1' to print unsuccessfully processed records only.** Specify the type of processing for an event.  
Blank: All records are printed

## Setting Processing Options for the Inbound Hours and Quantity Processor Program (R31122Z1I)

Processing options enable you to specify the default processing for programs and reports.

For programs, you can specify options such as the default values for specific transactions, whether fields appear on a form, and the version of the program that you want to run.

For reports, processing options enable you to specify the information that appears on reports. For example, you set a processing option to include the fiscal year or the number of aging days on a report.

Do not modify EnterpriseOne demo versions, which are identified by ZJDE or XJDE prefixes. Copy these versions or create new versions to change any values, including the version number, version title, prompting options, security, and processing options.

## Versions

Although processing options are set up during EnterpriseOne implementation, you can change processing options each time you run a program.

**Enter the version for P311221 Hours and Quantities to be called.** Enter a version of hours and quantities.  
Blank: ZJDE0001

## Printing

Although processing options are set up during EnterpriseOne implementation, you can change processing options each time you run a program.

**1. Enter '1' to print unsuccessfully processed records only.** Specify the type of processing for an event.  
Blank: All records are printed

## Setting Processing Options for the Inbound Inventory Issues Processor Program (R31113Z1I)

Processing options enable you to specify the default processing for programs and reports.

For programs, you can specify options such as the default values for specific transactions, whether fields appear on a form, and the version of the program that you want to run.

For reports, processing options enable you to specify the information that appears on reports. For example, you set a processing option to include the fiscal year or the number of aging days on a report.

Do not modify EnterpriseOne demo versions, which are identified by ZJDE or XJDE prefixes. Copy these versions or create new versions to change any values, including the version number, version title, prompting options, security, and processing options.

## Versions

Although processing options are set up during EnterpriseOne implementation, you can change processing options each time you run a program.

**1. Enter the Version of Work Order Inventory Issues (P31113) to be called.** Enter a version of work order inventory issues.  
Blank: ZJDE0001

---

## Running the Conversion Program

This section provides an overview of the conversion program and discusses how to:

- Run the Inbound Flat File Conversion program (R47002C).
- Set processing options for Inbound Flat File Conversion (R47002C).

## Understanding the Conversion Program

You use the Inbound Flat File Conversion program (R47002C) to import flat files into PeopleSoft EnterpriseOne Shop Floor Management interface tables. You can create a separate version of the Inbound Flat File Conversion program for each interface table. This program recognizes both the flat file from which it reads and the record types (UDC 00/RD) within the flat file. Each flat file contains records of differing lengths, based on the interface table record to which they correspond. The Inbound Flat File Conversion program uses the F47002 table to convert the flat file into the interface tables. The F47002 table indicates to the conversion program which flat file to read from, based on the transaction type that you are receiving.

The conversion program reads each record in the flat file and maps the record data into each field of the interface tables, based on the text qualifiers and field delimiters that are specified in the flat file.

The conversion program inserts the field data as one complete record in the interface table. If the conversion program encounters an error while converting data, it withholds the data in error and continues processing the conversion. If the data is successfully converted, the system automatically starts the transaction process for that interface table, provided that you set the processing options in the conversion program to do so.

See *PeopleSoft EnterpriseOne Inventory Management 8.11 PeopleBook*, “Operating with External Systems,” Receiving Transactions from External Systems.

## Running the Inbound Flat File Conversion Program (R47002C)

Select Shop Floor Management Interoperability (G31311), Inbound XX Flat File Conversion, where XX is the process that the conversion completes, such as Inbound Completion Flat File Conversion.

## Setting Processing Options for the Inbound Flat File Conversion Program (R47002C)

Processing options enable you to specify the default processing for programs and reports.

For programs, you can specify options such as the default values for specific transactions, whether fields appear on a form, and the version of the program that you want to run.

For reports, processing options enable you to specify the information that appears on reports. For example, you set a processing option to include the fiscal year or the number of aging days on a report.

Do not modify EnterpriseOne demo versions, which are identified by ZJDE or XJDE prefixes. Copy these versions or create new versions to change any values, including the version number, version title, prompting options, security, and processing options.

### Transaction

Although processing options are set up during EnterpriseOne implementation, you can change processing options each time you run a program.

- 1. Enter the transaction to process.** Specify the type of transaction to process using UDC (00/TT).

### Separators

Although processing options are set up during EnterpriseOne implementation, you can change processing options each time you run a program.

- 1. Enter the field delimiter.** Specify the type of processing for an event.

- 2. Enter the text qualifier.** Specify the type of processing for an event.

## Process

Although processing options are set up during EnterpriseOne implementation, you can change processing options each time you run a program.

**1. Enter the inbound processor to run after successful completion of the conversion.**

Specify the name that identifies a system object.

EnterpriseOne architecture is object-based. Discrete software objects are the building blocks for all applications, and developers can reuse the objects in multiple applications. The Object Librarian tracks each object. Examples of system objects include:

- Batch Applications (such as reports)
- Interactive Applications
- Business Views
- Business Functions
- Business Functions Data Structures
- Event Rules
- Media Object Data Structures

**2. Enter the version for the inbound processor.**

Enter a version for the inbound processor.

Blank: XJDE0001

---

## Reviewing and Revising Interoperability Transactions

This section provides an overview of reviewing and revising interoperability transactions and discusses how to:

- Review and revise inbound transactions.
- Set processing options for inbound work order inquiry (P4801Z1).
- Set processing options for Inbound Hours and Quantity Inquiry (P31122Z1).
- Set processing options for Inbound Inventory Issues Inquiry (P3111Z1).
- Set processing options for Inbound Super Backflush Inquiry (P3112Z1).

## Understanding Reviewing and Revising Interoperability Transactions

Running one of the transaction processes, such as the Inbound Work Order Inquiry (P4801Z1), often identifies one or more inbound transactions that contain invalid transactions. For example, a work order might have an invalid item number. In that case, the program cannot add that work order to the Work Order Master table (F4801). Instead, the program sends an error message to the Employee Work Center program (P012501), which indicates the transaction number for the transaction in error.

Use the inbound inquiry programs to review and revise inbound transactions, as well as to add, change, or delete transactions that contain errors. Then run the transaction process again. Continue to make corrections and rerun the transaction process until the program runs without errors.

See *PeopleSoft EnterpriseOne Data Interface for Electronic Data Interchange 8.11 PeopleBook*, “Running Inquiries and Revising EDI Documents”.

## Forms Used to Review and Revise Interoperability Transactions

| Form Name                                    | Form ID   | Navigation                                                                                                                                                | Usage                                                                                                                                                                                          |
|----------------------------------------------|-----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Transaction Record<br>Revisions for F31122Z1 | W31122Z1B | Shop Floor Management<br>Interoperability menu<br>(G31311), Inbound Hours<br>and Quantity Inquiry<br><br>Locate a transaction record<br>and click Select. | Locate and review an<br>inbound transaction record.<br><br>After you correct the<br>errors identified by the<br>Inbound Work Order<br>Inquiry (P4801Z1), run the<br>transaction process again. |

## Review and Revise Inbound Transactions

Access the Transaction Record Revisions for F31122Z1 form.

## Setting Processing Options for the Inbound Work Order Inquiry Program (P4801Z1)

Processing options enable you to specify the default processing for programs and reports.

For programs, you can specify options such as the default values for specific transactions, whether fields appear on a form, and the version of the program that you want to run.

For reports, processing options enable you to specify the information that appears on reports. For example, you set a processing option to include the fiscal year or the number of aging days on a report.

Do not modify EnterpriseOne demo versions, which are identified by ZJDE or XJDE prefixes. Copy these versions or create new versions to change any values, including the version number, version title, prompting options, security, and processing options.

### Display

Although processing options are set up during EnterpriseOne implementation, you can change processing options each time you run a program.

#### 1. Default View Mode.

Specify the type of processing for an event. Values are:

If you leave this processing option blank the system uses view unprocessed records as the default.

1: View Unprocessed Records

2: View Records Processed Successfully

3: View Records Processed Unsuccessfully

**2. Enter the Direction Indicator value.**

Specify whether the transaction is inbound or outbound. Values are:

If you leave this processing option blank the system uses outbound records as the default.

1: Inbound Records

2: Outbound Records

**Defaults**

Although processing options are set up during EnterpriseOne implementation, you can change processing options each time you run a program.

**1. Enter the Transaction Type for new Work Order Header Transactions.**

Specify the type of transaction for the work order.

Blank: JDEHQ

**Process**

Although processing options are set up during EnterpriseOne implementation, you can change processing options each time you run a program.

**1. Name of Inbound Subsystem UBE to call to process Inbound transactions.**

Specify the object member to be sent out on a PTF request.

Blank: R31122Z1I

**2. Version of Inbound UBE to call.**

Enter a version of Inbound UBE.

Blank: XJDE0002

**Setting Processing Options for the Inbound Hours and Quantity Inquiry Program (P31122Z1)**

Processing options enable you to specify the default processing for programs and reports.

For programs, you can specify options such as the default values for specific transactions, whether fields appear on a form, and the version of the program that you want to run.

For reports, processing options enable you to specify the information that appears on reports. For example, you set a processing option to include the fiscal year or the number of aging days on a report.

Do not modify EnterpriseOne demo versions, which are identified by ZJDE or XJDE prefixes. Copy these versions or create new versions to change any values, including the version number, version title, prompting options, security, and processing options.

**Display**

Although processing options are set up during EnterpriseOne implementation, you can change processing options each time you run a program.

**1. Default View Mode.**

Specify the type of processing for an event. Values are:

If you leave this processing option blank the system uses view unprocessed records as the default.

1: View Unprocessed Records

- |                                                |                                                                                                                                                                  |
|------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                | 2: View Records Processed Successfully                                                                                                                           |
|                                                | 3: View Records Processed Unsuccessfully                                                                                                                         |
| <b>2. Enter the Direction Indicator value.</b> | Specify whether the transaction is inbound or outbound. Values are:<br>If you leave this processing option blank the system uses inbound records as the default. |
|                                                | 1: Inbound Records                                                                                                                                               |
|                                                | 2: Outbound Records                                                                                                                                              |

## Defaults

Although processing options are set up during EnterpriseOne implementation, you can change processing options each time you run a program.

- |                                                                              |                                                             |
|------------------------------------------------------------------------------|-------------------------------------------------------------|
| <b>1. Enter the Transaction Type for new Work Order Header Transactions.</b> | Specify the transaction for the work order.<br>Blank: JDEHQ |
|------------------------------------------------------------------------------|-------------------------------------------------------------|

## Process

Although processing options are set up during EnterpriseOne implementation, you can change processing options each time you run a program.

- |                                                                                  |                                                                                          |
|----------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|
| <b>1. Name of Inbound Subsystem UBE to call to process Inbound transactions.</b> | Specify the object member to be sent out on a PTF request.<br>Blank: R31122Z1I (default) |
| <b>2. Version of Inbound UBE to call.</b>                                        | Enter a version of Inbound UBE.<br>Blank: XJDE0002                                       |

## Setting Processing Options for the Inbound Inventory Issues Inquiry Program (P3111Z1)

Processing options enable you to specify the default processing for programs and reports.

For programs, you can specify options such as the default values for specific transactions, whether fields appear on a form, and the version of the program that you want to run.

For reports, processing options enable you to specify the information that appears on reports. For example, you set a processing option to include the fiscal year or the number of aging days on a report.

Do not modify EnterpriseOne demo versions, which are identified by ZJDE or XJDE prefixes. Copy these versions or create new versions to change any values, including the version number, version title, prompting options, security, and processing options.

## Display

Although processing options are set up during EnterpriseOne implementation, you can change processing options each time you run a program.

- |                              |                                                          |
|------------------------------|----------------------------------------------------------|
| <b>1. Default View Mode.</b> | Specify the type of processing for an event. Values are: |
|------------------------------|----------------------------------------------------------|

If you leave this processing option blank the system uses view unprocessed records as the default.

- 1: View Unprocessed Records
- 2: View Records Processed Successfully
- 3: View Records Processed Unsuccessfully

**2. Enter the Direction Indicator value.**

Specify whether the transaction is inbound or outbound. Values are:

If you leave this processing option blank the system uses inbound records as the default.

- 1: Inbound Records
- 2: Outbound Records

## Defaults

Although processing options are set up during EnterpriseOne implementation, you can change processing options each time you run a program.

**1. Enter the Transaction Type for new Work Order Header Transactions.**

Specify a specific type of transaction for the work order.

Blank: JDEII

## Process

Although processing options are set up during EnterpriseOne implementation, you can change processing options each time you run a program.

**1. Name of Inbound Subsystem UBE to call to process Inbound transactions.**

Specify the object member to be sent out on a PTF request.

Blank: R31113Z1I

**2. Version of Inbound UBE to call.**

Enter a version of Inbound UBE.

Blank: XJDE0002

## Setting Processing Options for the Inbound Super Backflush Inquiry Program (P3112Z1)

Processing options enable you to specify the default processing for programs and reports.

For programs, you can specify options such as the default values for specific transactions, whether fields appear on a form, and the version of the program that you want to run.

For reports, processing options enable you to specify the information that appears on reports. For example, you set a processing option to include the fiscal year or the number of aging days on a report.

Do not modify EnterpriseOne demo versions, which are identified by ZJDE or XJDE prefixes. Copy these versions or create new versions to change any values, including the version number, version title, prompting options, security, and processing options.

## Display

Although processing options are set up during EnterpriseOne implementation, you can change processing options each time you run a program.

- |                                             |                                                                                                                                                                                                                                                                                    |
|---------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>1. Default View Mode.</b>                | Specify the type of processing for an event. Values are:<br>If you leave this processing option blank the system uses view unprocessed records as the default.<br>1: View Unprocessed Record<br>2: View Records Processed Successfully<br>3: View Records Processed Unsuccessfully |
| <b>Enter the Direction Indicator value.</b> | Specify whether the transaction is inbound or outbound. Values are:<br>If you leave this processing option blank the system uses inbound records as the default.<br>1: Inbound Records<br>2: Outbound Records                                                                      |

## Defaults

Although processing options are set up during EnterpriseOne implementation, you can change processing options each time you run a program.

- |                                                                              |                                                              |
|------------------------------------------------------------------------------|--------------------------------------------------------------|
| <b>1. Enter the Transaction Type for new Work Order Header Transactions.</b> | Specify the transaction for the work order.<br>Blank: JDESBF |
|------------------------------------------------------------------------------|--------------------------------------------------------------|

## Process

Although processing options are set up during EnterpriseOne implementation, you can change processing options each time you run a program.

- |                                                                                  |                                                                                                              |
|----------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|
| <b>1. Name of Inbound Subsystem UBE to call to process Inbound transactions.</b> | Specify the object member to be sent out on a PTF request.<br>Blank: R31123Z11                               |
| <b>2. Version of Inbound UBE to call.</b>                                        | If you leave this processing option blank the system uses inbound records as the default.<br>Blank: ZJDE0001 |

## CHAPTER 9

# Working with Interoperability for PeopleSoft EnterpriseOne Accounts Payable

This chapter provides an overview of interoperability for PeopleSoft EnterpriseOne Accounts Payable and discusses how to:

- Set up interoperability transactions for PeopleSoft EnterpriseOne Accounts Payable.
- Send transactions.
- Review the processing log.
- Purge interoperability transactions.

---

## Understanding Interoperability for PeopleSoft EnterpriseOne Accounts Payable

To fulfill the information requirements of an enterprise, companies sometimes use products from different software and hardware providers. Interoperability among products is important to successfully implement an enterprise solution. Full interoperability among different systems results in a flow of data among the different products that is seamless to the user. PeopleSoft EnterpriseOne Accounts Payable provides interoperability functions to facilitate the exchange of data with systems that are external to PeopleSoft EnterpriseOne Accounts Payable.

### Outbound Transactions

In an outbound transaction, you send data from PeopleSoft EnterpriseOne Accounts Payable to an external system. The system, in effect, creates a copy of the transaction and places the copied transaction in an interface table where external systems can access it.

Interoperability for outbound transactions requires that you set a processing option that specifies a transaction type. Additionally, some entry programs enable you to specify a version of the Master Business Function Processing Options program that, in turn, enables you to specify a version of the Interoperability Processing Options program. This is useful if you need to create a personal version of the Interoperability Processing Options program to designate different transaction types.

In PeopleSoft EnterpriseOne Accounts Payable, these programs use the Voucher Entry MBF Processing Options program (P0400047) to write outbound transactions; therefore, you can specify a version of the F0411 Interoperability Processing Options program (P0400048):

- A/P Standard Voucher Entry (P0411).
- A/P Speed Voucher Entry (P0411SV).
- Prepayment Vouchers (P0411).

- Logged Vouchers (P0411).
- Multi Company - Single Supplier (P041016).
- Multi-Voucher Entry (P041017).
- Store and Forward Batch Voucher Processor (R04110Z2).
- Voucher Batch Processor (R04110Z).

These PeopleSoft EnterpriseOne Accounts Payable do not use the Voucher Entry MBF Processing Options program, so you cannot designate a version of the Interoperability Processing Options program. These programs always use version ZJDE0001 of the F0411 Interoperability Processing Options program to write outbound voucher transactions:

- Speed Status Change (P0411S).
- A/P Voucher Journal Entry Redistribution (P042002).
- Recycle Recurring Vouchers (R048101).
- Batch Update for Multitiered A/P (R005141).
- General Ledger Post Report (R09801).

The system copies and stores outbound voucher transactions in the F0411 Interoperability Table (F0411Z3). The system copies and stores corresponding journal entries for outbound voucher transactions in the F0911 Interoperability Table (F0911Z4).

These *payment* programs also create outbound interoperability transactions:

- A/P Manual Payments (P0413M).
- A/P Speed Voucher Entry (P0411SV).
- A/P Void Payment (P0413V).
- A/P Auto Payments - Update Driver (R04575).
- Version ZJDE0003 Automated Payments Post (R09801).
- Version ZJDE0004 Manual Payment with Match Post (R09801).
- Version ZJDE0005 Manual Payment without Match Post (R09801).

These programs always use version ZJDE0001 of the F0413Z1 Retrieve Interoperability Processing Options program (P0400297) to create outbound payment transactions.

The system copies and stores outbound payment transactions in the F0413 and F0414 Interoperability tables (F0413Z1 and F0414Z1). The system copies and stores corresponding journal entries for outbound payment transactions in the F0911Z4 table.

---

**Note.** Payment programs that update voucher records also update the F0411Z3 table if the processing option is set appropriately.

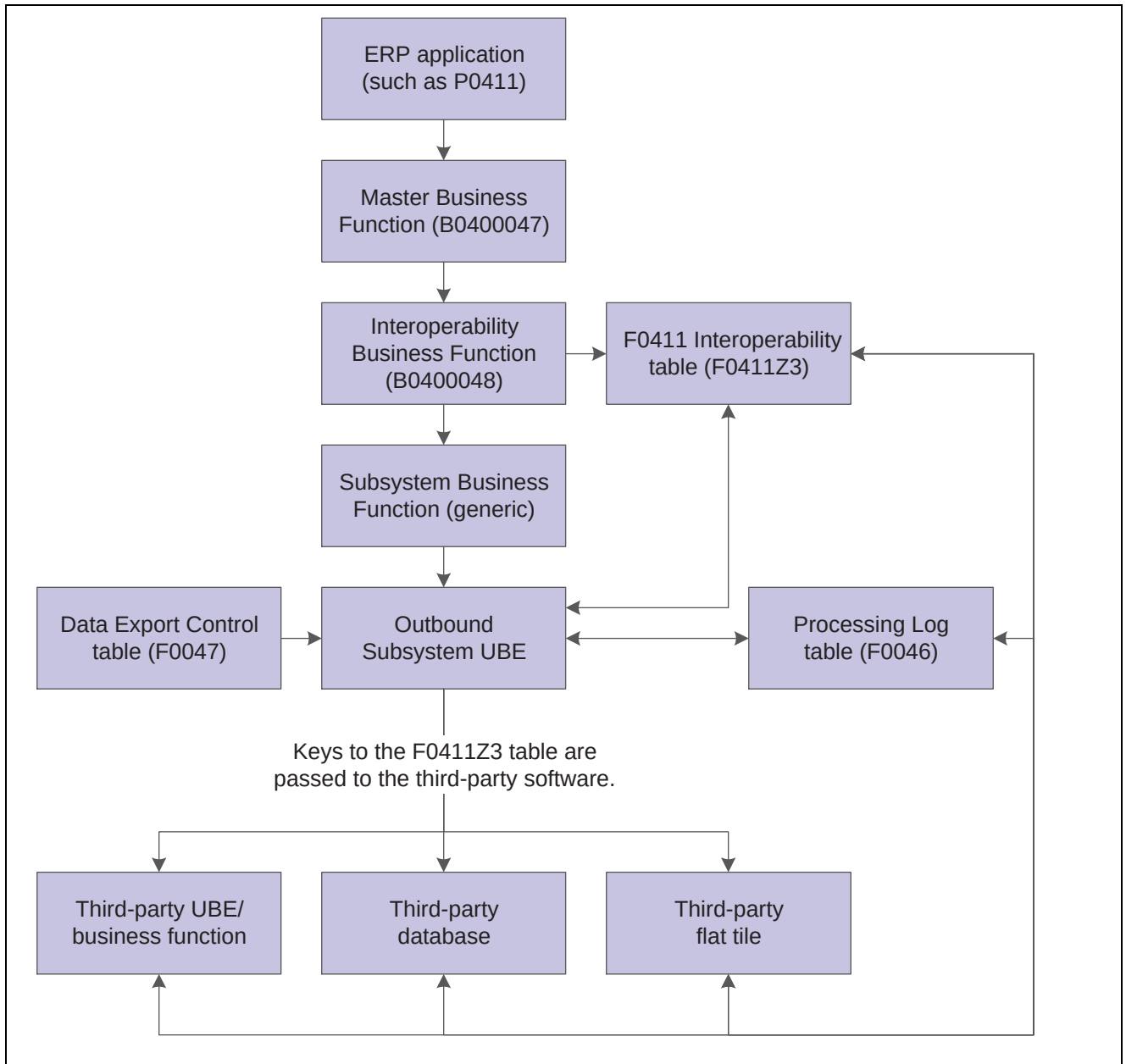
---

You can differentiate outbound transactions by transaction type by creating multiple versions of the interoperability processing option programs. For example, you might want to differentiate vouchers that are generated by PeopleSoft EnterpriseOne Procurement from vouchers that are generated manually.

To enable outbound processing, you use processing options to specify the transaction type and the type of image to send.

## Outbound Interoperability Example

This diagram illustrates the outbound interoperability process for a voucher transaction. In this example, transactions are created in the A/P Standard Voucher Entry program (P0411) and sent through the outbound interoperability process to a third-party software package. An outbound payment transaction complies to this same interoperability process except that payment transactions do not use a master business function. Outbound payments use Interoperability Business Function B0400297 and interoperability tables F0413Z1 and F0414Z1.



Interoperability workflow

---

## Setting Up Interoperability Transactions for PeopleSoft EnterpriseOne Accounts Payable

This section provides an overview of interoperability transaction setup for PeopleSoft EnterpriseOne Accounts Payable and discusses how to:

- Set processing options for User Defined Codes (P0004A).
- Set up transaction types.
- Set up data export controls.
- Set up the flat file cross-reference.

### Understanding Interoperability Transaction Setup for PeopleSoft EnterpriseOne Accounts Payable

This section provides an overview of outbound interoperability and discusses necessary setup.

#### Outbound Interoperability

In an outbound transaction, you send data from PeopleSoft EnterpriseOne Accounts Payable software to an external system. Before you can initiate outbound interoperability, you must set up basic identifying information and controls. In PeopleSoft EnterpriseOne Accounts Payable, you can send both voucher and payment transactions through outbound interoperability.

#### Record Types Review

When you set up flat file cross-reference information, you must specify the record types. Record types indicate the type of information that is exchanged among PeopleSoft EnterpriseOne Accounts Payable software and external systems, such as addresses, header or detail transactions, text, or additional information.

You can review hard-coded record types in UDC 00/RD. The system uses these codes to identify the forms with which the system stores information for inbound and outbound documents.

Record types are hard-coded and cannot be changed.

#### Transaction Type Setup

To identify the transactions that the system uses, you can add transaction type codes to UDC (00/TT). For each transaction type, you must also set up data export controls to identify the external system to which you are sending the transactions. You must set up transaction types before you set up data export controls.

---

**Note.** We provide transaction type *JDEVOUCH* for vouchers and *JDEPYMNT* for payments.

---

#### Data Export Controls Setup

You define export information for outbound transactions only. To set up data export controls for each transaction type, you must indicate the document type, batch application or function, and version from which the external system retrieves information from the interface tables.

You can define data export controls based on either of these two options:

| Based On                  | Description                                                                                                                                                                       |
|---------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| UBE or batch processor    | You can specify a vendor-specific outbound batch processor that accesses PeopleSoft EnterpriseOne Accounts Payable interface tables.                                              |
| Function name and library | You can specify a vendor-specific function name and library to identify the external custom program that accesses the PeopleSoft EnterpriseOne Accounts Payable interface tables. |

### Flat File Cross-Reference Setup

For outbound transactions, if you cannot write data from PeopleSoft EnterpriseOne Accounts Payable software to the interface tables in the format that is required by the external system, you can write the data to a specific flat file for each transaction type and record type.

See *PeopleSoft EnterpriseOne Data Interface for Electronic Data Interchange 8.11 PeopleBook*, “Processing EDI Documents,” Understanding the Inbound Flat File Conversion Program (R47002C).

## Forms Used to Set Up PeopleSoft EnterpriseOne Accounts Payable Interoperability Transactions

| Form Name                     | Form ID | Navigation                                                                                                                               | Usage                                 |
|-------------------------------|---------|------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|
| User Defined Codes            | W0004AI | Financials Interoperability Processing (G00313), Transaction Type<br><br>Click Add.<br><br>Complete the Codes and Description 01 fields. | Set up transaction types.             |
| Data Export Control Revisions | W0047C  | Financials Interoperability Processing (G00313), Data Export Controls                                                                    | Set up data export controls.          |
| Flat File Cross-Reference     | W47002B | Financials Interoperability Processing (G00313), Flat File Cross Reference                                                               | Set up the flat file cross-reference. |

### Setting Processing Options for the User Defined Codes Program (P0004A)

Processing options enable you to specify the default processing for programs and reports.

For programs, you can specify options such as the default values for specific transactions, whether fields appear on a form, and the version of the program that you want to run.

For reports, processing options enable you to specify the information that appears on reports. For example, you set a processing option to include the fiscal year or the number of aging days on a report.

Do not modify EnterpriseOne demo versions, which are identified by ZJDE or XJDE prefixes. Copy these versions or create new versions to change any values, including the version number, version title, prompting options, security, and processing options.

## Defaults

These processing options specify the defaults for system code and record type.

**1. Enter the desired System Code:** Enter a UDC (98/SY) that identifies a PeopleSoft EnterpriseOne system.

**2. Enter the desired Record Type:** Specify a default UDC.

You should enter only appropriate UDCs that belong to the product code that you entered in the Enter the Desired System Code processing option.

## Setting Up Transaction Types

Access the User Defined Codes form.

---

**Important!** Be sure to add each new code on the *last* detail row so that you do not inadvertently overwrite a blank code, which might appear in the first detail row. A blank code might have only a period in the Description field.

---

See *EnterpriseOne Tools 8.94 PeopleBook: Foundation*.

## Setting Up Data Export Controls

Access the Data Export Controls form.

## Setting Up the Flat File Cross-Reference

Access the Flat File Cross-Reference form.

---

## Sending Transactions

This section provides an overview of sending transactions and discusses how to:

- Enable outbound processing.
- Set processing options for F0411 Interoperability Processing Options.
- Set processing options for F0413Z1 Retrieve Interoperability Processing Options.

## Understanding Sending Transactions

To enable outbound processing for vouchers and payments, you specify the transaction type in the corresponding processing options. For vouchers, use the F0411 Interoperability Processing Options program (P0400048). For payments, use the F0413Z1 Retrieve Interoperability Processing Options program (P0400297).

To send corresponding accounts payable journal entry transactions, set the processing option in the F0911 Interoperability Processing Options program (P0900160). You are not required to use the same transaction type that is used for vouchers or payments, but the processing option must be completed for journal entries to be processed to the F0911Z4 table.

When you send outbound accounts payable voucher or payment transactions, you should also include the matching accounts payable journal entry transactions.

If you create additional versions of the F0411 Interoperability Processing Options program for additional transaction types (for either vouchers or journal entries), you must specify the version that you create in the corresponding Voucher Entry MBF Processing Options (P0400047) or Journal Entry MBF Processing Options (P0900049) programs.

If you create additional versions of the Voucher or Journal Entry MBF Processing Options program, you must specify the version that you create in the processing option of the voucher entry program that uses the master business function processing options.

The default outbound transaction is a copy of a transaction after you create or change it (an *after image*). With interoperability, you can also send a copy of each transaction as it was before you changed it (a *before image*). To control the type of image, you set the corresponding processing option in the F0411, F0413, and F0911 interoperability processing options programs.

---

**Note.** Creating and sending *before* images requires additional processing time.

---

The system places a copy of each transaction in the interface table that corresponds to the type of transaction that you specify in the processing option:

- Voucher transactions are placed in the F0411Z3 table.
- Payment transactions are placed in the F0413Z1 and F0414Z1 tables.
- Corresponding journal entry transactions are placed in the F0911Z4 table.

The data is then available for an external system to use.

## Prerequisites

Before you complete the tasks in this section:

- Define the data export controls for the type of outbound transaction.

The system uses data export controls to identify the batch programs or business processes that third parties provide for use in processing transactions.

See [Chapter 9, “Working with Interoperability for PeopleSoft EnterpriseOne Accounts Payable,” Enabling Outbound Processing, page 85.](#)

- Specify the version of the F0411 Interoperability Processing Option program (P0400048) that you want to run for the interoperability processing option for the Voucher Entry MBF Processing Options program (P0400047).

## Form Used to Send Transactions

| Form Name                      | Form ID  | Navigation                                                 | Usage                       |
|--------------------------------|----------|------------------------------------------------------------|-----------------------------|
| Work With Interactive Versions | W9830511 | System Administration Tools (GH9011), Interactive Versions | Enable outbound processing. |

## Enabling Outbound Processing

Access the Work With Interactive Versions form.

## Setting Processing Options for the F0411 Interoperability Processing Options Program

Processing options enable you to specify the default processing for programs and reports.

For programs, you can specify options such as the default values for specific transactions, whether fields appear on a form, and the version of the program that you want to run.

For reports, processing options enable you to specify the information that appears on reports. For example, you set a processing option to include the fiscal year or the number of aging days on a report.

Do not modify EnterpriseOne demo versions, which are identified by ZJDE or XJDE prefixes. Copy these versions or create new versions to change any values, including the version number, version title, prompting options, security, and processing options.

### Interop

Although processing options are set up during EnterpriseOne implementation, you can change processing options each time you run a program.

|                         |                                                                                                                                                                          |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Transaction Type</b> | Specify a transaction.<br>Blank: The outbound interoperability is not performed                                                                                          |
| <b>Before Image</b>     | Specify the type of processing for an event. Values are:<br>Blank: Only the after image is written<br><i>I</i> : Write the <i>before</i> image for a change transaction. |

## Setting Processing Options for the F0413Z1 Retrieve Interoperability Processing Options Program

Processing options enable you to specify the default processing for programs and reports.

For programs, you can specify options such as the default values for specific transactions, whether fields appear on a form, and the version of the program that you want to run.

For reports, processing options enable you to specify the information that appears on reports. For example, you set a processing option to include the fiscal year or the number of aging days on a report.

Do not modify EnterpriseOne demo versions, which are identified by ZJDE or XJDE prefixes. Copy these versions or create new versions to change any values, including the version number, version title, prompting options, security, and processing options.

### Interop

Although processing options are set up during EnterpriseOne implementation, you can change processing options each time you run a program.

|                         |                                                                                                                                                                         |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Transaction Type</b> | Specify the transaction type for the interoperability transaction.<br>Blank: The outbound interoperability is not performed.                                            |
| <b>Before Image</b>     | Specify the type of processing for an event. Values are:<br>Blank: Only the after image is written<br><i>I</i> : Write the <i>before</i> image for a change transaction |

---

## Reviewing the Processing Log

This section provides an overview of reviewing the processing log and discusses how to review the processing log.

### Understanding Reviewing the Processing Log

You use the processing log to review whether the system has processed specific outbound transactions successfully. The system creates a record in the processing log for every outbound transaction that is processed. The processing log contains key fields from the F0047 table, such as transaction type, sequence number, batch process or function, and corresponding version.

The information in the processing log is for review only and cannot be changed in the processing log or in PeopleSoft EnterpriseOne Accounts Payable programs.

### Form Used to Review the Processing Log

| Form Name                | Form ID | Navigation                                                      | Usage                      |
|--------------------------|---------|-----------------------------------------------------------------|----------------------------|
| Work With Processing Log | W0046A  | Financials Interoperability Processing (G00313), Processing Log | Review the processing log. |

### Reviewing the Processing Log

Access the Work With Processing Log form.

---

## Purging Interoperability Transactions

This section provides an overview of purging interoperability transactions and discusses how to purge interoperability transactions.

### Understanding Purging Interoperability Transactions

When data becomes obsolete or when you need more disk space, you can use the Purge Interoperability Table programs to remove data from the interoperability tables. These programs identify processed voucher and payment transactions in the F0411Z3 and F0413Z1 tables and the corresponding records in the Processing Log table (F0046).

If the corresponding records in the F0046 table are all marked as processed, the program purges the processed transactions in the F0411Z3, F0413Z1, and F0414Z1 interoperability tables, and the corresponding records in the F0046 table. If the corresponding records in the F0046 table are not all marked as processed, the program does not purge any records.

See *PeopleSoft EnterpriseOne 8.94 Interoperability PeopleBook*.

## Purging Interoperability Transactions

To purge interoperability transactions for vouchers, select Financials Interoperability Processing (G00313), Purge F0411 Interoperability Table.

To purge interoperability transactions for payments, select Financials Interoperability Processing (G00313), Purge F0413/F0414 Interoperability Table.

## CHAPTER 10

# Working with Interoperability for PeopleSoft EnterpriseOne Accounts Receivable

This chapter provides an overview of interoperability for PeopleSoft EnterpriseOne Accounts Receivable and discusses how to review and revise interoperability transactions.

---

## Understanding Interoperability for PeopleSoft EnterpriseOne Accounts Receivable

To fulfill the information requirements of an enterprise, companies sometimes use products from different software and hardware providers. Interoperability among products is key to successfully implementing an enterprise solution. Full interoperability among different systems results in a flow of data among the different products that is seamless to the user. PeopleSoft EnterpriseOne Accounts Receivable provides interoperability functions to facilitate the exchange of data with external systems.

### Outbound Transactions

In an outbound transaction, you send data from PeopleSoft EnterpriseOne Accounts Receivables to an external system. The system, in effect, creates a copy of the transaction and places the copied transaction in an interface table where external systems can access it.

Interoperability for outbound transactions requires that you set a processing option specifying the transaction type. Additionally, some entry programs enable you to specify a version of the master business function processing options program that, in turn, enables you to specify a version of the interoperability processing options program. This is useful if you need to create a personal version of the interoperability processing options to designate different transaction types.

In PeopleSoft EnterpriseOne Accounts Receivable, these programs use the Invoice Entry MBF Processing Options (P03B0011) to write outbound transactions; therefore you can specify a version of the Invoice Interoperability Processing Options program (P03B0190):

- Standard Invoice Entry (P03B11)
- Speed Invoice Entry (P03B11SI)
- Batch Invoice Processor (R03B11Z1I)
- A/R Delinquency Fee Journal (R03B22)

These PeopleSoft EnterpriseOne Accounts Receivable programs do not use the Invoice Entry MBF Processing Options program, so you cannot designate a version of the interoperability processing options. These programs always use version ZJDE0001 of the Invoice Interoperability Processing Options program to write outbound transactions:

- Speed Status Change (P03B114)

- A/R Delinquency Notices Print (R03B20)
- Collection Report (R03B461)
- Statement Notification Refresh (R03B500X)
- Statement Notification Reset (R03B5015)
- Invoice Print (R03B505)
- Invoice Print with Draft (R03B5051)
- Invoice Group by Draft (R03B5052)
- Credit Reimbursement (R03B610)
- Recycle Recurring Invoices (R03B8101)
- Batch Update for Multi-Tiered A/R (R005142)
- Version ZJDE0006 of the General Ledger Post Report (R09801)

The system copies and stores outbound invoice transactions in the F03B11 Interoperability table (F03B11Z2). The system copies and stores corresponding journal entries for outbound invoice transactions in the F0911Z4 table.

These *receipt* programs also create outbound interoperability transactions:

- Standard Receipts Entry (P03B102)
- Speed Receipts Entry (P03B0001)
- Deduction Processing (P03B40)
- Apply Receipts to Invoices (R03B50)
- Invoice Selection Match (R03B50A)
- Balance Forward Match (R03B50B)
- Known Invoice Match with Amount (R03B50D)
- Known Invoice Match without Amount (R03B50E)
- Combination Invoice Match (R03B50F)
- Update Receipts Register (R03B551)
- Process Automatic Debits (R03B575)
- Draft Entry (P03B602)
- A/R Batch Draft Creation (R03B671)
- Draft Remittance (R03B672)
- Draft Registers for Payment (P03B675)
- A/R Draft Collection (R03B680)
- Version ZJDE0007 of the General Ledger Post Report (R09801)

These programs always use version ZJDE0001 of the Receipt Interoperability Processing Options program (P03B0191) to write outbound receipt transactions.

The system copies and stores outbound receipt transactions in the F03B13 and F03B14 Interoperability tables (F03B13Z2 and F03B14Z2). The system copies and stores corresponding journal entries for outbound receipts in the F0911Z4 table.

---

**Note.** Receipt programs that update invoice records also update the F03B11Z2 table if the processing option is set.

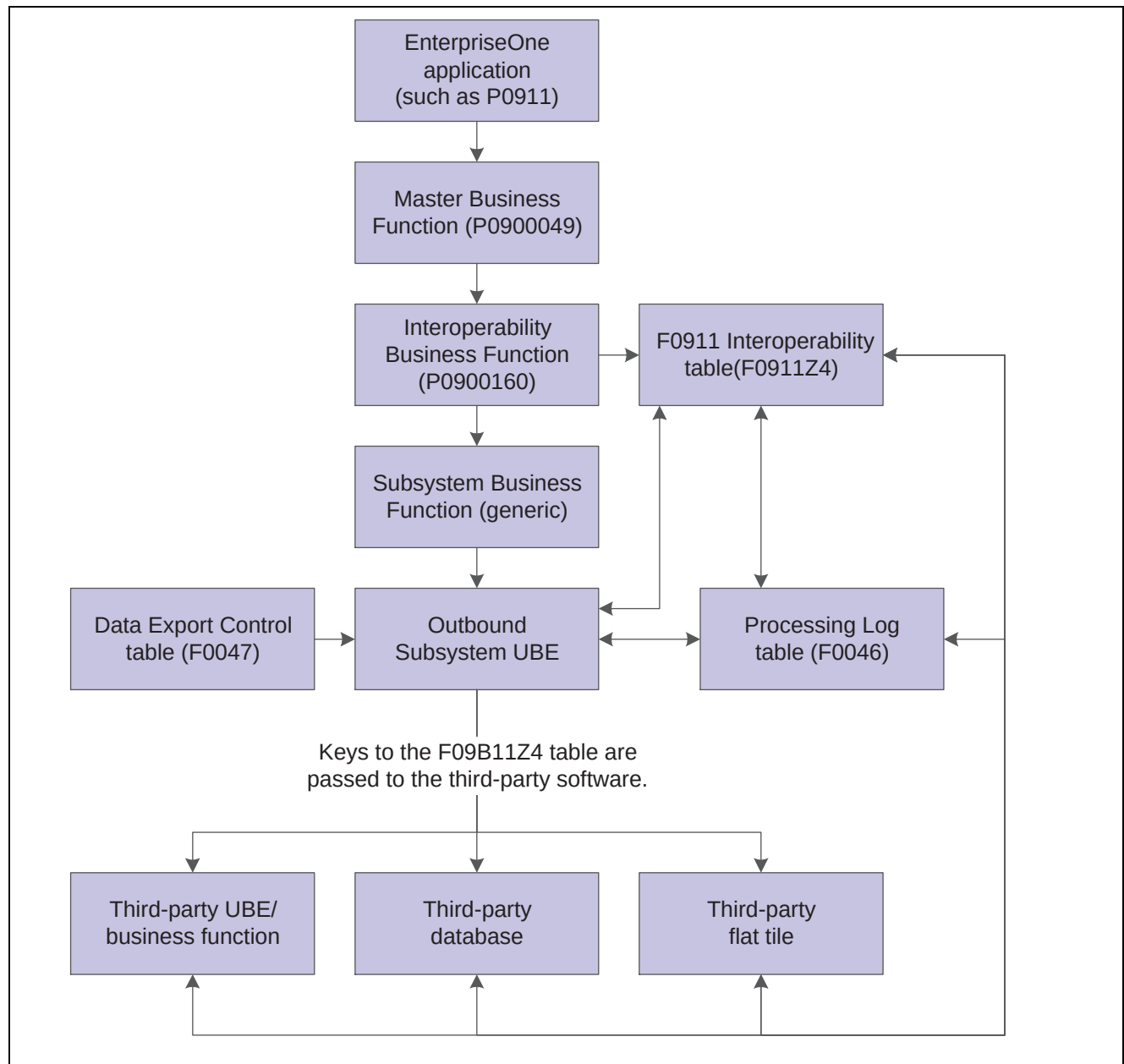
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## **Outbound Interoperability Setup**

In an outbound transaction, you send data from PeopleSoft EnterpriseOne Accounts Receivable to an external system. Before you can initiate outbound interoperability, you must set up basic identifying information and controls.

## **Outbound Interoperability Example**

This diagram shows an example of the outbound interoperability process. In this example, transactions are created in the Standard Invoice Entry program (P03B11) and sent through the outbound interoperability process to a third-party software package.



Outbound Interoperability example

## Reviewing and Revising Interoperability Transactions

This section provides an overview of Reviewing and Revising Interoperability Transactions for PeopleSoft EnterpriseOne Accounts Receivable and discusses how to set up transaction types.

### Understanding Reviewing and Revising Interoperability Transactions for PeopleSoft EnterpriseOne Accounts Receivable

This section provides setup information necessary to review and revise Interoperability Transactions.

## Record Types Review

When you set up flat file cross-reference information, you must specify the record types. Record types indicate the type of information that is exchanged among PeopleSoft EnterpriseOne Accounts Receivable and external systems, such as addresses, header or detail transactions, text, or additional information.

You can review hard-coded record types in UDC 00/RD. The system uses these codes to identify the forms with which the system stores information for inbound and outbound documents.

---

**Note.** Record types are hard coded and cannot be changed.

---

## Transaction Type Setup

To identify the transactions that the system uses, you can add transaction type codes to UDC (00/TT). For each transaction type, you must also set up data export controls to identify the external system to which you are sending the transactions. You must set up transaction types before you set up data export controls.

---

**Note.** PeopleSoft EnterpriseOne Accounts Receivables provides transaction type JDEINV for invoice entries.

---

## Data Export Controls Setup

You define export information for outbound transactions only. To set up data export controls for each transaction type, you must indicate the document type, batch application or function, and version from which the external system retrieves information from the interface tables.

You can define data export controls based on either of these two options:

| Based On                  | Description                                                                                                                                                                      |
|---------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| UBE or batch processor    | You can specify a vendor-specific outbound batch processor that accesses PeopleSoft EnterpriseOne Accounts Receivable interface tables.                                          |
| Function name and library | You can specify a vendor-specific function name and library to identify the external custom program that accesses PeopleSoft EnterpriseOne Accounts Receivable interface tables. |

See *PeopleSoft EnterpriseOne 8.94 Interoperability PeopleBook*.

See *PeopleSoft EnterpriseOne Accounts Receivable 8.11 PeopleBook*, “Processing Invoices,” Understanding the Invoice Entry Master Business Function.

## See Also

*EnterpriseOne Tools 8.94 PeopleBook: Foundation*

*PeopleSoft EnterpriseOne 8.94 Interoperability PeopleBook*

*PeopleSoft EnterpriseOne Data Interface for Electronic Data Interchange 8.11 PeopleBook*, “Processing EDI Documents”

## Forms Used to Set Up Transaction Types

| Form Name          | Form ID | Navigation                                                                                                       | Usage                     |
|--------------------|---------|------------------------------------------------------------------------------------------------------------------|---------------------------|
| User Defined Codes | W0004AI | Financials Interoperability Processing (G00313), Transaction Type<br>On Work with User Defined Codes, click Add. | Set up transaction types. |

## Setting Up Transaction Types

Access the User Defined Codes form.

## CHAPTER 11

# Working with Interoperability for PeopleSoft EnterpriseOne General Ledger

This chapter provides an overview of interoperability for PeopleSoft EnterpriseOne General Ledger and discusses how to:

- Set up outbound interoperability.
- Send transactions from EnterpriseOne systems.

---

## Understanding Interoperability for PeopleSoft EnterpriseOne General Ledger

To fulfill the information requirements of an enterprise, companies sometimes use products from different software and hardware providers. Interoperability among products is very important for successfully implementing an enterprise solution. Full interoperability among different systems results in a flow of data among the different products that is seamless to the user. PeopleSoft EnterpriseOne General Ledger provides interoperability functions to facilitate the exchange of data with systems that are external to EnterpriseOne.

### Outbound Transactions

In an outbound transaction, you send data from EnterpriseOne to an external system. Interoperability for outbound transactions requires that you set a processing option that specifies the transaction type. Using the master business function for the type of transaction, the system creates a copy of the transaction and places it in the interface table where external systems can access it.

If a program modifies a transaction without going through the master business function, the system still sends a copy of the transaction to the interface table where external systems can access it.

In PeopleSoft EnterpriseOne General Ledger, these programs call the Journal Entry MBF Processing Options (P0900049) to write information to the Account Ledger table (F0911). All of these programs can create outbound interoperability transactions:

- Journal Entries (P0911)
- Journal Entries with VAT (P09106)
- Journal Entry Batch Processor (R09110Z)
- Store and Forward JE Batch Processor (R09110ZS)
- Recurring Journal Entry Compute & Print (R09302)
- Indexed Computations Compute And Print Report (R093021)
- Variable Numerator Compute and Print (R093022)

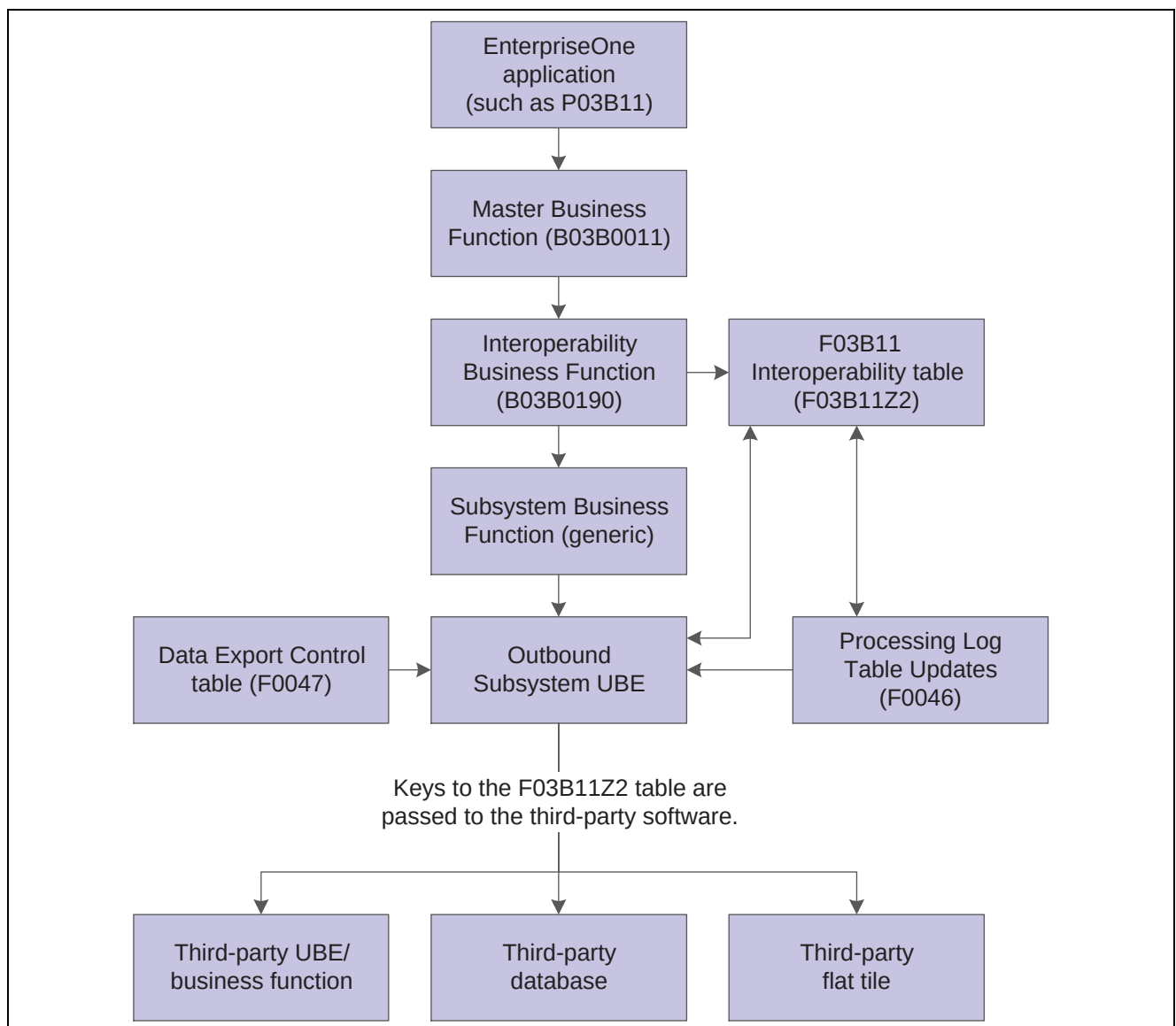
These PeopleSoft EnterpriseOne General Ledger programs can also create outbound interoperability transactions, although they do not call the Journal Entry Master Business Function to write information to the F0911 table. Instead, they use version ZJDE0001 of the F0911 Interoperability Processing Options program (P0900160):

- General Ledger Post Report (R09801)
- Detailed Currency Restatement (R11411)

The system stores outbound interoperability transactions that are created by PeopleSoft EnterpriseOne General Ledger programs in the F0911Z4 table.

### Example: Outbound Interoperability

This diagram shows an example of the outbound interoperability process:



Example of Outbound Interoperability

In this example, transactions are created in the General Accounting Journal Entry program (P0911) in EnterpriseOne and sent through the outbound interoperability process to a third-party software package.

## See Also

*PeopleSoft EnterpriseOne 8.94 Interoperability PeopleBook*

*PeopleSoft EnterpriseOne Data Interface for Electronic Data Interchange 8.11 PeopleBook*, “Processing EDI Documents”

---

## Setting Up Outbound Interoperability

This section provides an overview of outbound interoperability setup and discusses how to:

- Set processing options for UDCs (P0004A).
- Set up transaction types.
- Set up data export controls.
- Set up the flat file cross-reference.

## Understanding Outbound Interoperability Setup

In an outbound transaction, you send data from EnterpriseOne to an external system. Before you can initiate outbound interoperability, you must set up basic identifying information and controls.

### Record Types

When you set up flat file cross-reference information, you must specify the record types. Record types indicate the type of information that is exchanged among EnterpriseOne and external systems, such as addresses, header or detail transactions, text, or additional information.

You can review hard-coded record types in UDC 00/RD. The system uses these codes to identify the forms with which the system stores information for inbound and outbound documents.

We hard-code record types that cannot be changed.

### Transaction Types

To identify the transactions that the system uses, you can add transaction type codes to UDC (00/TT). For each transaction type, you must also set up data export controls to identify the external system to which you are sending the transactions. You must set up transaction types before you set up data export controls.

---

**Note.** EnterpriseOne provides transaction type JDEJE for journal entries.

---

### Data Export Controls

You define export information for outbound transactions only. To set up data export controls for each transaction type, you must indicate the document type, batch application or function, and version from which the external system retrieves information from the interface tables.

You can define data export controls based on either of these two options:

| Based On                  | Description                                                                                                                                           |
|---------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| UBE or batch processor    | You can specify a vendor-specific outbound batch processor that accesses the EnterpriseOne interface tables.                                          |
| Function name and library | You can specify a vendor-specific function name and library to identify the external custom program that accesses the EnterpriseOne interface tables. |

## Flat File Cross-Reference

For outbound transactions, if you cannot write data from EnterpriseOne to the interface tables in the format required by the external system, you can write the data to a specific flat file for each transaction type and record type.

## AAIs for Outbound Interoperability

To reduce the number of transactions that the system writes to the F0911Z4 table, you use automatic accounting instruction (AAI) items GLOBxx to define ranges of accounts. The system verifies that an account number is within the ranges that you define before it writes a transaction to the F0911Z4 table.

You can define up to 49 account ranges using AAI items GLOBxx. You must define complete ranges, consisting of a beginning and an ending AAI item. The first range must begin with GLOB01. We recommend that you end the first range with GLOB02, the next consecutive number. Define the next range, if needed, to start with GLOB03 and end with GLOB04, and so on.

## See Also

*EnterpriseOne Tools 8.94 PeopleBook: Foundation*

*PeopleSoft EnterpriseOne Data Interface for Electronic Data Interchange 8.11 PeopleBook*, “Processing EDI Documents,” Understanding the Inbound Flat File Conversion Program (R47002C)

*PeopleSoft EnterpriseOne General Accounting 8.11 PeopleBook*, “Setting Up the General Accounting System,” Setting Up AAIs for General Accounting

## Forms Used to Set Up Outbound Interoperability

| Form Name                     | Form ID | Navigation                                                                                                                      | Usage                                 |
|-------------------------------|---------|---------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|
| User Defined Codes            | W0004AI | Financials Interoperability Processing (G00313), Transaction Type<br>Click Add.                                                 | Set up transaction types.             |
| Data Export Control Revisions | W0047C  | Financials Interoperability Processing (G00313), Data Export Controls<br>Click Add on Work With Data Export Controls.           | Set up export data controls.          |
| Flat File Cross Reference     | W47002B | Financials Interoperability Processing (G00313), Flat File Cross Reference<br>Click Add on Work With Flat File Cross-Reference. | Set up the flat file cross-reference. |

## Setting Processing Options for the User Defined Codes Program (P0004A)

Processing options enable you to specify the default processing for programs and reports.

For programs, you can specify options such as the default values for specific transactions, whether fields appear on a form, and the version of the program that you want to run.

For reports, processing options enable you to specify the information that appears on reports. For example, you set a processing option to include the fiscal year or the number of aging days on a report.

Do not modify EnterpriseOne demo versions, which are identified by ZJDE or XJDE prefixes. Copy these versions or create new versions to change any values, including the version number, version title, prompting options, security, and processing options.

### Defaults

For information about a processing option, right-click the processing option field and select What's This from the menu. Or click the processing option field and click F1.

**1. Enter the desired System Code:** Enter a UDC (98/SY) that identifies a PeopleSoft EnterpriseOne system.

**2. Enter the desired Record Type:** Specify a default UDC.

You should enter only appropriate UDCs that belong to the product code that you entered in the Enter the Desired System Code processing option.

## Setting Up Transaction Types

Access the User Defined Codes form.

**Important!** You must add each new transaction type on the *last* detail row, so that you do not inadvertently overwrite a blank code, which might appear in the first detail row. A blank code might have only a period in the Description 01 field.

## Setting Up Data Export Controls

Access the Data Export Control Revisions form:

**Data Export Controls - Data Export Control Revisions**

OK   Tools

Transaction  *Response to RFQ*

Order Type

**Records 1 - 1**

|                       | Seq  | UBE Name | Version | Function Name |
|-----------------------|------|----------|---------|---------------|
| <input type="radio"/> | 1.00 |          |         |               |

Data Export Control Revisions form

## Setting Up the Flat File Cross-Reference

Access the Flat File Cross Reference form:

**Flat File Cross Reference - Flat File Cross-Reference**

OK   Tools

Transaction  *Response to RFQ*

Direction Indicator

Flat File Name

**Records 1 - 3** [Customize Grid](#) ☐

|                                  | Record Type | Record Type Description | File Name |
|----------------------------------|-------------|-------------------------|-----------|
| <input type="radio"/>            | 1           | Header                  | F0911Z1   |
| <input checked="" type="radio"/> | 2           | Detail                  | F0991Z1T  |
| <input type="radio"/>            |             |                         |           |

Flat File Cross- Reference form

---

## Sending Transactions from EnterpriseOne Systems

This section provides an overview about sending transactions to an external system and discusses how to:

- Send transactions from EnterpriseOne systems.
- Set processing options for F0911 Interoperability (P0900160).

### Understanding Sending Transactions from EnterpriseOne Systems

You might want to send transactions such as journal entries from PeopleSoft EnterpriseOne General Ledger to an external system. To enable outbound processing, you specify the transaction type in the corresponding processing option in the F0911 Interoperability Processing Options program (P0900160).

If you create additional versions of the F0911 Interoperability Processing Options program for other transaction types, you must specify the version in the processing option of the Journal Entry MBF Processing Options (P0900049).

The default outbound transaction is a copy of a transaction after you create or change it (an *after image*). With interoperability, you can also send a copy of each transaction as it was before you changed it (a *before image*). To control the type of image, you set the corresponding processing option in the F0911 Interoperability Processing Options program.

---

**Note.** Creating and sending before images requires additional processing time.

---

The system places a copy of each transaction in the interface table that corresponds to the type of transaction that you specify in the processing option. For example, for an outbound journal entry, the system places a copy of the transaction in the F0911Z4 table. The data is then available for an external system to use.

### Processing Log Review

You use the processing log to review whether the system has processed specific outbound transactions successfully. The system creates a record in the processing log for every outbound transaction that is processed. The processing log contains key fields from the F0047 table, such as transaction type, sequence number, batch process or function, and corresponding version.

The information in the processing log is for review only and cannot be changed in the processing log or in EnterpriseOne programs.

### Interoperability Transaction Purges

When data becomes obsolete or you need more disk space, you can use the Purge F0911 Interoperability Table program to remove data from the interoperability tables. This program identifies processed transactions in the F0911Z4 table and the corresponding records in the F0046 table. If the corresponding records in the F0046 table are all marked as processed, the program purges the processed transactions in the F0911Z4 table and the corresponding records in the F0046 table. If the corresponding records in the F0046 table are not all marked as processed, the program does not purge any records.

### See Also

*PeopleSoft EnterpriseOne 8.94 Interoperability PeopleBook*

## Prerequisites

Before you complete the tasks in this section:

- Define the data export controls for the type of outbound transaction.

The system uses data export controls to identify the batch programs or business processes that third parties provide for use in processing transactions.

See [Chapter 11, “Working with Interoperability for PeopleSoft EnterpriseOne General Ledger,” Setting Up Outbound Interoperability, page 97.](#)

- Set the interoperability processing option in the Journal Entry MBF Processing Options (P0900049) to the version of the F0911 Interoperability Processing Options program (P0900160) that you want to run.

Blank: ZJDE0001

## Forms Used to Send Transactions from EnterpriseOne Systems

| Form Name                      | Form ID  | Navigation                                                 | Usage                                                               |
|--------------------------------|----------|------------------------------------------------------------|---------------------------------------------------------------------|
| Work With Interactive Versions | W9830511 | System Administration Tools (GH9011), Interactive Versions | Enable outbound processing to send transactions from EnterpriseOne. |

## Sending Transactions from EnterpriseOne Systems

Access the Work With Interactive Versions form.

## Setting Processing Options for the F0911 Interoperability Program (P0900160)

Processing options enable you to specify the default processing for programs and reports.

For programs, you can specify options such as the default values for specific transactions, whether fields appear on a form, and the version of the program that you want to run.

For reports, processing options enable you to specify the information that appears on reports. For example, you set a processing option to include the fiscal year or the number of aging days on a report.

Do not modify EnterpriseOne demo versions, which are identified by ZJDE or XJDE prefixes. Copy these versions or create new versions to change any values, including the version number, version title, prompting options, security, and processing options.

### Interop

Although processing options are set up during EnterpriseOne implementation, you can change processing options each time you run a program.

**Transaction Type** Specify the type of interoperability transaction (00/TT).

Blank: The outbound interoperability is not performed

**Before Image** Specify the type of processing for an event. Values are:

Blank: Only the after image is written

I: Write the before image for a change transaction

## CHAPTER 12

# Working with PeopleSoft EnterpriseOne Condition-Based Maintenance Interoperability

This chapter provides an overview of PeopleSoft EnterpriseOne Condition-Based Maintenance interoperability and discusses how to work with PeopleSoft EnterpriseOne Condition-Based Maintenance interoperability programs.

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## Understanding PeopleSoft EnterpriseOne Condition-Based Maintenance Interoperability

The interoperability programs for PeopleSoft EnterpriseOne Condition-Based Maintenance enable you to:

- Import the condition-based alerts from a text file to the associated interoperability table.
- Review and update condition-based alert transactions in the interoperability table.
- Import the information from the interoperability table to the applications tables.
- Automatically generate investigation messages, create work orders, and update preventive maintenance, based on the setup.

---

## Working with the PeopleSoft EnterpriseOne Condition-Based Maintenance Interoperability Programs

This section provides an overview of the PeopleSoft EnterpriseOne Condition-Based Maintenance interoperability programs and discusses how to:

- Set up the flat file cross-reference.
- Run the Inbound Condition-Based Alerts Flat File Conversion program.
- Set processing options for inbound condition-based alerts flat file conversion (R47002C).
- Review inbound condition-based alerts.
- Set processing options for unedited condition-based alerts revisions (P1310Z1).
- Process inbound condition-based alerts.
- Set processing options for inbound condition-based alerts processor (R1310Z1I).

## Understanding PeopleSoft EnterpriseOne Condition-Based Maintenance Interoperability Programs

Here is some important information about PeopleSoft EnterpriseOne Condition-Based Maintenance interoperability programs.

### Flat File Cross-Reference

Before you can convert a flat file, you must use the Flat File Cross Reference program (P47002) to provide a cross-reference from the flat file fields to the interface table fields. This program indicates where the flat file is located and what table is tied to each record in the flat file. When you exchange data between this system and an external system, you use flat file cross-reference information for these conditions:

- For inbound transactions for which the external system cannot write data to the interface tables in the required format for this system. In this case, the external system can write the data to a specific flat file for each transaction and record type.
- For outbound transactions for which this system cannot write data to the interface tables in the format that is required by the external system. In this case, this system can write the data to a specific flat file for each transaction and record type.

The process for setting up flat file cross-references for Interoperability is identical to that for EDI interface tables.

See *PeopleSoft EnterpriseOne Data Interface for Electronic Data Interchange 8.11 PeopleBook*, “Processing EDI Documents,” Understanding the Inbound Flat File Conversion Program (R47002C).

### Inbound Condition-Based Alerts Flat File Conversion Program

The Inbound Flat File Conversion program (R47002C) brings information from an external text file into the Unedited Condition-Based Alerts table (F1310Z1). The batch program edits the text file against the table and the data dictionary specifications for the table. If the text file passes these edits, the system populates table F1310Z1 with the records.

### Inbound Condition-Based Alerts

Prior to batch processing transactions into the Condition-Based Alerts table (F1310) and updating other ERP tables, use the Unedited Condition-Based Alert Revisions program (P1310Z1) to add, update, and review the transactions in the F1310Z1 table.

---

**Note.** From the View menu on Work With Unedited Condition-Based Alerts, you can also review records that processed successfully (Processed) and those that failed to process (Errors). Correct the data for any errors prior to rerunning the Inbound Condition-Based Alerts Processor program (R1310Z1I).

---

### Processing Inbound Condition-Based Alerts

The Inbound Condition-Based Alerts Processor program (R1310Z1I) performs these functions:

- Processes the inbound condition-based alerts transactions.
- Updates the F1310 table.
- Initiates any required downstream processing that is based on the transaction information.

The report displays the transaction information, including whether the transaction was successful; user ID; batch number; transaction number; equipment number; description; alert level; event date; event time; and time zone.

## Purging Inbound Condition-Based Alerts

The Unedited Condition-Based Alerts Purge program (R1310Z1P) purges records from the F1310Z1 table. This batch program only purges records that have been successfully processed.

## Form Used to Run the Inbound Condition-Based Alerts Flat File Conversion Program

| Form Name                                 | Form ID  | Navigation                                                                                                                                                                                                     | Usage                                                                                                                                                                 |
|-------------------------------------------|----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Flat File Cross-Reference                 | W47002B  | Condition-Based Alerts Interoperability (G13CBM311), Flat File Cross-Reference<br><br>On Work With Flat File Cross-Reference, click Add.                                                                       | Set up the flat file cross-reference.<br><br>The file name refers to the application table from which the system exchanges information, as defined by the record type |
| Unedited Condition-Based Alerts Revisions | W1310Z1B | Condition-Based Alerts Interoperability (G13CBM311), Inbound Condition-Based Alerts Inquiry<br><br>On Work With Unedited Condition-Based Alerts, from the View menu, select Direction and then select Inbound. | Review inbound condition-based alerts.                                                                                                                                |

## Setting Up the Flat File Cross-Reference

Access the Flat File Cross-Reference form.

## Running the Inbound Condition-Based Alerts Flat File Conversion Program

Select Condition-Based Maintenance Interoperability (G13CBM311), Inbound Condition-Based Alerts Flat File Conversion.

## Setting Processing Options for the Inbound Condition-Based Alerts Flat File Conversion Program (R47002C)

Processing options enable you to specify the default processing for programs and reports.

For programs, you can specify options such as the default values for specific transactions, whether fields appear on a form, and the version of the program that you want to run.

For reports, processing options enable you to specify the information that appears on reports. For example, you set a processing option to include the fiscal year or the number of aging days on a report.

Do not modify EnterpriseOne demo versions, which are identified by ZJDE or XJDE prefixes. Copy these versions or create new versions to change any values, including the version number, version title, prompting options, security, and processing options.

## Transaction

Although processing options are set up during EnterpriseOne implementation, you can change processing options each time you run a program.

- 1. Enter the transaction to process.** Specify a type of transaction.

## Separators

Although processing options are set up during EnterpriseOne implementation, you can change processing options each time you run a program.

- 1. Enter the field delimiter.** Enter a field delimiter is the value used to identify where one piece of data stops and another starts in the text file.
- 2. Enter the text qualifier.** Enter the text qualifier is the symbol used to surround character strings in the text file.

## Process

Although processing options are set up during EnterpriseOne implementation, you can change processing options each time you run a program.

- 1. Enter the inbound processor to run after successful completion of the conversion.** Specify the name that identifies a system object.  
EnterpriseOne architecture is object-based. Discrete software objects are the building blocks for all applications, and developers can reuse the objects in multiple applications. The Object Librarian tracks each object. Examples of system objects include:
  - Batch Applications (such as reports).
  - Interactive Applications.
  - Business Views.
  - Business Functions.
  - Business Functions Data Structures.
  - Event Rules.
  - Media Object Data Structures.
- 2. Enter the version for the inbound processor.** Enter the version for the inbound processor .  
Blank: XJDE0001

## Reviewing Inbound Condition-Based Alerts

Access the Unedited Condition-Based Alerts Revisions form.

## Setting Processing Options for the Unedited Condition-Based Alerts Revisions Program (P1310Z1)

Processing options enable you to specify the default processing for programs and reports.

For programs, you can specify options such as the default values for specific transactions, whether fields appear on a form, and the version of the program that you want to run.

For reports, processing options enable you to specify the information that appears on reports. For example, you set a processing option to include the fiscal year or the number of aging days on a report.

Do not modify EnterpriseOne demo versions, which are identified by ZJDE or XJDE prefixes. Copy these versions or create new versions to change any values, including the version number, version title, prompting options, security, and processing options.

## Display

Although processing options are set up during EnterpriseOne implementation, you can change processing options each time you run a program.

- |                               |                                                                                                                                                                                                                                                   |
|-------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>1. Default View Mode</b>   | Use this processing option to enter the default view mode. Values are:<br><i>1:</i> View unprocessed transactions only.<br><i>2:</i> View transactions that processed successfully.<br><i>3:</i> View transactions that processed unsuccessfully. |
| <b>2. Direction Indicator</b> | Specify whether transactions are inbound or outbound. Values are:<br><i>1:</i> Inbound transactions.<br><i>2:</i> Outbound transactions.                                                                                                          |

## Defaults

Although processing options are set up during EnterpriseOne implementation, you can change processing options each time you run a program.

- |                            |                                                                                                         |
|----------------------------|---------------------------------------------------------------------------------------------------------|
| <b>1. Transaction Type</b> | Enter the transaction type for new condition-based alerts transactions.<br>Leave blank to use CBMALERT. |
|----------------------------|---------------------------------------------------------------------------------------------------------|

## Process

Although processing options are set up during EnterpriseOne implementation, you can change processing options each time you run a program.

- |                                      |                                                                                                                                                                                 |
|--------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>1. Inbound Subsystem UBE Name</b> | Specify the name of the inbound subsystem program that the system uses to process inbound transactions.<br>Blank: R1310Z1I (Inbound Condition-Based Alerts Processing program). |
| <b>2. Inbound UBE Version</b>        | Specify the version of the Inbound Condition-Based Alerts Processing program (R1310Z1I) that the system uses.<br>Blank: XJDE0001                                                |

## Processing Inbound Condition-Based Alerts

Select Condition-Based Maintenance Interoperability (G13CBM311), Inbound Condition-Based Alerts.

## Setting Processing Options for the Inbound Condition-Based Alerts Processor Program (R1310Z1I)

Processing options enable you to specify the default processing for programs and reports.

For programs, you can specify options such as the default values for specific transactions, whether fields appear on a form, and the version of the program that you want to run.

For reports, processing options enable you to specify the information that appears on reports. For example, you set a processing option to include the fiscal year or the number of aging days on a report.

Do not modify EnterpriseOne demo versions, which are identified by ZJDE or XJDE prefixes. Copy these versions or create new versions to change any values, including the version number, version title, prompting options, security, and processing options.

### Process

Although processing options are set up during EnterpriseOne implementation, you can change processing options each time you run a program.

- |                                        |                                                                                                                                                                                                                                   |
|----------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>1. Work Center or Report</b>        | Specify where the system writes errors. Values are:<br>Blank: Write errors to the Work Center.<br>1: Write errors on the report.                                                                                                  |
| <b>2. Job Status Message Recipient</b> | Specify the address book number of the recipient of job status messages that result from the Inbound Condition-Based Alerts Processing program (R1310Z1I).<br>Blank: The system uses the address book number of the current user. |
| <b>3. Equipment Number Format</b>      | Specify how the Inbound Condition-Based Alerts Processing program (R1310Z1I) validates and displays the equipment number. Values are:<br>1: Use the equipment number<br>2: Use the unit number<br>3: Use the serial number        |

### Versions

Although processing options are set up during EnterpriseOne implementation, you can change processing options each time you run a program.

- |                                                            |                                                                                                                      |
|------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|
| <b>1. Condition-Based Alerts Revisions (P1311) Version</b> | Specify the version of the Condition-Based Alerts Revisions program (P1311) that the system uses.<br>Blank: ZJDE0001 |
| <b>2. Condition-Based Alerts Processor (R1312) Version</b> | Specify the version of the Condition-Based Alerts Processor program (R1312) that the system uses.<br>Blank: XJDE0001 |

# Glossary of PeopleSoft Terms

|                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|---------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>activity</b>                       | A scheduling entity in PeopleSoft EnterpriseOne Form Design Aid that represents a designated amount of time on a calendar.                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>activity rule</b>                  | The criteria by which an object progresses from one given point to the next in a flow.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>add mode</b>                       | A condition of a form that enables users to input data.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Advanced Planning Agent (APAg)</b> | A PeopleSoft EnterpriseOne tool that can be used to extract, transform, and load enterprise data. APAg supports access to data sources in the form of relational databases, flat file format, and other data or message encoding, such as XML.                                                                                                                                                                                                                                                                                                                                                |
| <b>application server</b>             | A server in a local area network that contains applications shared by network clients.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>as if processing</b>               | A process that enables you to view currency amounts as if they were entered in a currency different from the domestic and foreign currency of the transaction.                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>alternate currency</b>             | <p>A currency that is different from the domestic currency (when dealing with a domestic-only transaction) or the domestic and foreign currency of a transaction.</p> <p>In PeopleSoft EnterpriseOne Financial Management, alternate currency processing enables you to enter receipts and payments in a currency other than the one in which they were issued.</p>                                                                                                                                                                                                                           |
| <b>as of processing</b>               | A process that is run as of a specific point in time to summarize transactions up to that date. For example, you can run various PeopleSoft EnterpriseOne reports as of a specific date to determine balances and amounts of accounts, units, and so on as of that date.                                                                                                                                                                                                                                                                                                                      |
| <b>back-to-back process</b>           | A process in PeopleSoft EnterpriseOne Workflow Management that contains the same keys that are used in another process.                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>batch processing</b>               | <p>A process of transferring records from a third-party system to PeopleSoft EnterpriseOne.</p> <p>In PeopleSoft EnterpriseOne Financial Management, batch processing enables you to transfer invoices and vouchers that are entered in a system other than EnterpriseOne to PeopleSoft EnterpriseOne Accounts Receivable and PeopleSoft EnterpriseOne Accounts Payable, respectively. In addition, you can transfer address book information, including customer and supplier records, to PeopleSoft EnterpriseOne.</p>                                                                      |
| <b>batch server</b>                   | A server that is designated for running batch processing requests. A batch server typically does not contain a database nor does it run interactive applications.                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>batch-of-one immediate</b>         | <p>A transaction method that enables a client application to perform work on a client workstation, then submit the work all at once to a server application for further processing. As a batch process is running on the server, the client application can continue performing other tasks.</p> <p>See also direct connect and store-and-forward.</p>                                                                                                                                                                                                                                        |
| <b>business function</b>              | A named set of user-created, reusable business rules and logs that can be called through event rules. Business functions can run a transaction or a subset of a transaction (check inventory, issue work orders, and so on). Business functions also contain the application programming interfaces (APIs) that enable them to be called from a form, a database trigger, or a non-EnterpriseOne application. Business functions can be combined with other business functions, forms, event rules, and other components to make up an application. Business functions can be created through |

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|                                     | event rules or third-generation languages, such as C. Examples of business functions include Credit Check and Item Availability.                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>business function event rule</b> | See named event rule (NER).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>business view</b>                | A means for selecting specific columns from one or more PeopleSoft EnterpriseOne tables whose data is used in an application or report. A business view does not select specific rows, nor does it contain any actual data. It is strictly a view through which you can manipulate data.                                                                                                                                                                                                                                                          |
| <b>central objects merge</b>        | A process that blends a customer's modifications to the objects in a current release with objects in a new release.                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>central server</b>               | A server that has been designated to contain the originally installed version of the software (central objects) for deployment to client computers. In a typical PeopleSoft EnterpriseOne installation, the software is loaded on to one machine—the central server. Then, copies of the software are pushed out or downloaded to various workstations attached to it. That way, if the software is altered or corrupted through its use on workstations, an original set of objects (central objects) is always available on the central server. |
| <b>charts</b>                       | Tables of information in PeopleSoft EnterpriseOne that appear on forms in the software.                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>connector</b>                    | Component-based interoperability model that enables third-party applications and PeopleSoft EnterpriseOne to share logic and data. The PeopleSoft EnterpriseOne connector architecture includes Java and COM connectors.                                                                                                                                                                                                                                                                                                                          |
| <b>contra/clearing account</b>      | A general ledger account in PeopleSoft EnterpriseOne Financial Management that is used by the system to offset (balance) journal entries. For example, you can use a contra/clearing account to balance the entries created by allocations in PeopleSoft EnterpriseOne General Accounting.                                                                                                                                                                                                                                                        |
| <b>Control Table Workbench</b>      | An application that, during the installation Workbench processing, runs the batch applications for the planned merges that update the data dictionary, user-defined codes, menus, and user override tables.                                                                                                                                                                                                                                                                                                                                       |
| <b>control tables merge</b>         | A process that blends a customer's modifications to the control tables with the data that accompanies a new release.                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>cost assignment</b>              | The process in PeopleSoft EnterpriseOne Advanced Cost Accounting of tracing or allocating resources to activities or cost objects.                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>cost component</b>               | In PeopleSoft EnterpriseOne Manufacturing Management, an element of an item's cost (for example, material, labor, or overhead).                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>cross segment edit</b>           | A logic statement that establishes the relationship between configured item segments. Cross segment edits are used to prevent ordering of configurations that cannot be produced.                                                                                                                                                                                                                                                                                                                                                                 |
| <b>currency restatement</b>         | The process of converting amounts from one currency into another currency, generally for reporting purposes. You can use the currency restatement process, for example, when many currencies must be restated into a single currency for consolidated reporting.                                                                                                                                                                                                                                                                                  |
| <b>database server</b>              | A server in a local area network that maintains a database and performs searches for client computers.                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Data Source Workbench</b>        | An application that, during the Installation Workbench process, copies all data sources that are defined in the installation plan from the Data Source Master and Table and Data Source Sizing tables in the Planner data source to the System-release number data source. It also updates the Data Source Plan detail record to reflect completion.                                                                                                                                                                                              |

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| <b>date pattern</b>                      | A calendar that represents the beginning date for the fiscal year and the ending date for each period in that year in standard and 52-period accounting.                                                                                                                                                                                                                                                                                    |
| <b>denominated-in currency</b>           | The company currency in which financial reports are based.                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>deployment server</b>                 | A server that is used to install, maintain, and distribute software to one or more enterprise servers and client workstations.                                                                                                                                                                                                                                                                                                              |
| <b>detail information</b>                | Information that relates to individual lines in PeopleSoft EnterpriseOne transactions (for example, voucher pay items and sales order detail lines).                                                                                                                                                                                                                                                                                        |
| <b>direct connect</b>                    | A transaction method in which a client application communicates interactively and directly with a server application.<br><br>See also batch-of-one immediate and store-and-forward.                                                                                                                                                                                                                                                         |
| <b>Do Not Translate (DNT)</b>            | A type of data source that must exist on the iSeries because of BLOB restrictions.                                                                                                                                                                                                                                                                                                                                                          |
| <b>dual pricing</b>                      | The process of providing prices for goods and services in two currencies.                                                                                                                                                                                                                                                                                                                                                                   |
| <b>edit code</b>                         | A code that indicates how a specific value for a report or a form should appear or be formatted. The default edit codes that pertain to reporting require particular attention because they account for a substantial amount of information.                                                                                                                                                                                                |
| <b>edit mode</b>                         | A condition of a form that enables users to change data.                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>edit rule</b>                         | A method used for formatting and validating user entries against a predefined rule or set of rules.                                                                                                                                                                                                                                                                                                                                         |
| <b>Electronic Data Interchange (EDI)</b> | An interoperability model that enables paperless computer-to-computer exchange of business transactions between PeopleSoft EnterpriseOne and third-party systems. Companies that use EDI must have translator software to convert data from the EDI standard format to the formats of their computer systems.                                                                                                                               |
| <b>embedded event rule</b>               | An event rule that is specific to a particular table or application. Examples include form-to-form calls, hiding a field based on a processing option value, and calling a business function. Contrast with the business function event rule.                                                                                                                                                                                               |
| <b>Employee Work Center</b>              | A central location for sending and receiving all PeopleSoft EnterpriseOne messages (system and user generated), regardless of the originating application or user. Each user has a mailbox that contains workflow and other messages, including Active Messages.                                                                                                                                                                            |
| <b>enterprise server</b>                 | A server that contains the database and the logic for PeopleSoft EnterpriseOne or PeopleSoft World.                                                                                                                                                                                                                                                                                                                                         |
| <b>EnterpriseOne object</b>              | A reusable piece of code that is used to build applications. Object types include tables, forms, business functions, data dictionary items, batch processes, business views, event rules, versions, data structures, and media objects.                                                                                                                                                                                                     |
| <b>EnterpriseOne process</b>             | A software process that enables PeopleSoft EnterpriseOne clients and servers to handle processing requests and run transactions. A client runs one process, and servers can have multiple instances of a process. PeopleSoft EnterpriseOne processes can also be dedicated to specific tasks (for example, workflow messages and data replication) to ensure that critical processes don't have to wait if the server is particularly busy. |
| <b>Environment Workbench</b>             | An application that, during the Installation Workbench process, copies the environment information and Object Configuration Manager tables for each environment from the Planner data source to the System-release number data source. It also updates the Environment Plan detail record to reflect completion.                                                                                                                            |
| <b>escalation monitor</b>                | A batch process that monitors pending requests or activities and restarts or forwards them to the next step or user after they have been inactive for a specified amount of time.                                                                                                                                                                                                                                                           |

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| <b>event rule</b>                  | A logic statement that instructs the system to perform one or more operations based on an activity that can occur in a specific application, such as entering a form or exiting a field.                                                                                                                                          |
| <b>facility</b>                    | An entity within a business for which you want to track costs. For example, a facility might be a warehouse location, job, project, work center, or branch/plant. A facility is sometimes referred to as a <i>business unit</i> .                                                                                                 |
| <b>fast path</b>                   | A command prompt that enables the user to move quickly among menus and applications by using specific commands.                                                                                                                                                                                                                   |
| <b>file server</b>                 | A server that stores files to be accessed by other computers on the network. Unlike a disk server, which appears to the user as a remote disk drive, a file server is a sophisticated device that not only stores files, but also manages them and maintains order as network user request files and make changes to these files. |
| <b>final mode</b>                  | The report processing mode of a processing mode of a program that updates or creates data records.                                                                                                                                                                                                                                |
| <b>FTP server</b>                  | A server that responds to requests for files via file transfer protocol.                                                                                                                                                                                                                                                          |
| <b>header information</b>          | Information at the beginning of a table or form. Header information is used to identify or provide control information for the group of records that follows.                                                                                                                                                                     |
| <b>interface table</b>             | See Z tables.                                                                                                                                                                                                                                                                                                                     |
| <b>integration server</b>          | A server that facilitates interaction between diverse operating systems and applications across internal and external networked computer systems.                                                                                                                                                                                 |
| <b>integrity test</b>              | A process used to supplement a company's internal balancing procedures by locating and reporting balancing problems and data inconsistencies.                                                                                                                                                                                     |
| <b>interoperability model</b>      | A method for third-party systems to connect to or access PeopleSoft EnterpriseOne.                                                                                                                                                                                                                                                |
| <b>in-your-face-error</b>          | In PeopleSoft EnterpriseOne, a form-level property which, when enabled, causes the text of application errors to appear on the form.                                                                                                                                                                                              |
| <b>IServer service</b>             | Developed by PeopleSoft, this internet server service resides on the web server and is used to speed up delivery of the Java class files from the database to the client.                                                                                                                                                         |
| <b>jargon</b>                      | An alternative data dictionary item description that PeopleSoft EnterpriseOne or People World displays based on the product code of the current object.                                                                                                                                                                           |
| <b>Java application server</b>     | A component-based server that resides in the middle-tier of a server-centric architecture. This server provides middleware services for security and state maintenance, along with data access and persistence.                                                                                                                   |
| <b>JDBNET</b>                      | A database driver that enables heterogeneous servers to access each other's data.                                                                                                                                                                                                                                                 |
| <b>JDEBASE Database Middleware</b> | A PeopleSoft proprietary database middleware package that provides platform-independent APIs, along with client-to-server access.                                                                                                                                                                                                 |
| <b>JDECallObject</b>               | An API used by business functions to invoke other business functions.                                                                                                                                                                                                                                                             |
| <b>jde.ini</b>                     | A PeopleSoft file (or member for iSeries) that provides the runtime settings required for EnterpriseOne initialization. Specific versions of the file or member must reside on every machine running PeopleSoft EnterpriseOne. This includes workstations and servers.                                                            |
| <b>JDEIPC</b>                      | Communications programming tools used by server code to regulate access to the same data in multiprocess environments, communicate and coordinate between processes, and create new processes.                                                                                                                                    |

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| <b>jde.log</b>                        | The main diagnostic log file of PeopleSoft EnterpriseOne. This file is always located in the root directory on the primary drive and contains status and error messages from the startup and operation of PeopleSoft EnterpriseOne.                                                                                                                                                                                                                                               |
| <b>JDENET</b>                         | PeopleSoft proprietary communications middleware package. This package is a peer-to-peer, message-based, socket-based, multiprocess communications middleware solution. It handles client-to-server and server-to-server communications for all PeopleSoft EnterpriseOne supported platforms.                                                                                                                                                                                     |
| <b>Location Workbench</b>             | An application that, during the Installation Workbench process, copies all locations that are defined in the installation plan from the Location Master table in the Planner data source to the System data source.                                                                                                                                                                                                                                                               |
| <b>logic server</b>                   | A server in a distributed network that provides the business logic for an application program. In a typical configuration, pristine objects are replicated on to the logic server from the central server. The logic server, in conjunction with workstations, actually performs the processing required when PeopleSoft EnterpriseOne and World software runs.                                                                                                                   |
| <b>MailMerge Workbench</b>            | An application that merges Microsoft Word 6.0 (or higher) word-processing documents with PeopleSoft EnterpriseOne records to automatically print business documents. You can use MailMerge Workbench to print documents, such as form letters about verification of employment.                                                                                                                                                                                                   |
| <b>master business function (MBF)</b> | An interactive master file that serves as a central location for adding, changing, and updating information in a database. Master business functions pass information between data entry forms and the appropriate tables. These master functions provide a common set of functions that contain all of the necessary default and editing rules for related programs. MBFs contain logic that ensures the integrity of adding, updating, and deleting information from databases. |
| <b>master table</b>                   | See published table.                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>matching document</b>              | A document associated with an original document to complete or change a transaction. For example, in PeopleSoft EnterpriseOne Financial Management, a receipt is the matching document of an invoice, and a payment is the matching document of a voucher.                                                                                                                                                                                                                        |
| <b>media storage object</b>           | Files that use one of the following naming conventions that are not organized into table format: Gxxx, xxxGT, or GTxxx.                                                                                                                                                                                                                                                                                                                                                           |
| <b>message center</b>                 | A central location for sending and receiving all PeopleSoft EnterpriseOne messages (system and user generated), regardless of the originating application or user.                                                                                                                                                                                                                                                                                                                |
| <b>messaging adapter</b>              | An interoperability model that enables third-party systems to connect to PeopleSoft EnterpriseOne to exchange information through the use of messaging queues.                                                                                                                                                                                                                                                                                                                    |
| <b>messaging server</b>               | A server that handles messages that are sent for use by other programs using a messaging API. Messaging servers typically employ a middleware program to perform their functions.                                                                                                                                                                                                                                                                                                 |
| <b>named event rule (NER)</b>         | Encapsulated, reusable business logic created using event rules, rather than C programming. NERs are also called business function event rules. NERs can be reused in multiple places by multiple programs. This modularity lends itself to streamlining, reusability of code, and less work.                                                                                                                                                                                     |
| <b><i>nota fiscal</i></b>             | In Brazil, a legal document that must accompany all commercial transactions for tax purposes and that must contain information required by tax regulations.                                                                                                                                                                                                                                                                                                                       |
| <b><i>nota fiscal factura</i></b>     | In Brazil, a <i>nota fiscal</i> with invoice information.<br>See also <i>nota fiscal</i> .                                                                                                                                                                                                                                                                                                                                                                                        |

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| <b>Object Configuration Manager (OCM)</b> | In PeopleSoft EnterpriseOne, the object request broker and control center for the runtime environment. OCM keeps track of the runtime locations for business functions, data, and batch applications. When one of these objects is called, OCM directs access to it using defaults and overrides for a given environment and user.                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Object Librarian</b>                   | A repository of all versions, applications, and business functions reusable in building applications. Object Librarian provides check-out and check-in capabilities for developers, and it controls the creation, modification, and use of PeopleSoft EnterpriseOne objects. Object Librarian supports multiple environments (such as production and development) and enables objects to be easily moved from one environment to another.                                                                                                                                                                                                                                                                                        |
| <b>Object Librarian merge</b>             | A process that blends any modifications to the Object Librarian in a previous release into the Object Librarian in a new release.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Open Data Access (ODA)</b>             | An interoperability model that enables you to use SQL statements to extract PeopleSoft EnterpriseOne data for summarization and report generation.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Output Stream Access (OSA)</b>         | An interoperability model that enables you to set up an interface for PeopleSoft EnterpriseOne to pass data to another software package, such as Microsoft Excel, for processing.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>package</b>                            | EnterpriseOne objects are installed to workstations in packages from the deployment server. A package can be compared to a bill of material or kit that indicates the necessary objects for that workstation and where on the deployment server the installation program can find them. It is point-in-time snap shot of the central objects on the deployment server.                                                                                                                                                                                                                                                                                                                                                           |
| <b>package build</b>                      | <p>A software application that facilitates the deployment of software changes and new applications to existing users. Additionally, in PeopleSoft EnterpriseOne, a package build can be a compiled version of the software. When you upgrade your version of the ERP software, for example, you are said to take a package build.</p> <p>Consider the following context: “Also, do not transfer business functions into the production path code until you are ready to deploy, because a global build of business functions done during a package build will automatically include the new functions.” The process of creating a package build is often referred to, as it is in this example, simply as “a package build.”</p> |
| <b>package location</b>                   | The directory structure location for the package and its set of replicated objects. This is usually \\deployment server\release\path_code\package\package name. The subdirectories under this path are where the replicated objects for the package are placed. This is also referred to as where the package is built or stored.                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Package Workbench</b>                  | An application that, during the Installation Workbench process, transfers the package information tables from the Planner data source to the System-release number data source. It also updates the Package Plan detail record to reflect completion.                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>PeopleSoft Database</b>                | See JDEBASE Database Middleware.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>planning family</b>                    | A means of grouping end items whose similarity of design and manufacture facilitates being planned in aggregate.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>preference profile</b>                 | The ability to define default values for specified fields for a user-defined hierarchy of items, item groups, customers, and customer groups.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>print server</b>                       | The interface between a printer and a network that enables network clients to connect to the printer and send their print jobs to it. A print server can be a computer, separate hardware device, or even hardware that resides inside of the printer itself.                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>pristine environment</b>               | A PeopleSoft EnterpriseOne environment used to test unaltered objects with PeopleSoft demonstration data or for training classes. You must have this environment so that you can compare pristine objects that you modify.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |

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| <b>processing option</b>            | A data structure that enables users to supply parameters that regulate the running of a batch program or report. For example, you can use processing options to specify default values for certain fields, to determine how information appears or is printed, to specify date ranges, to supply runtime values that regulate program execution, and so on.                                                                                                                                                                                                                                                                 |
| <b>production environment</b>       | A PeopleSoft EnterpriseOne environment in which users operate EnterpriseOne software.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>production-grade file server</b> | A file server that has been quality assurance tested and commercialized and that is usually provided in conjunction with user support services.                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>program temporary fix (PTF)</b>  | A representation of changes to PeopleSoft software that your organization receives on magnetic tapes or disks.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>project</b>                      | In PeopleSoft EnterpriseOne, a virtual container for objects being developed in Object Management Workbench.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>promotion path</b>               | <p>The designated path for advancing objects or projects in a workflow. The following is the normal promotion cycle (path):</p> <p>11&gt;21&gt;26&gt;28&gt;38&gt;01</p> <p>In this path, 11 equals new project pending review, 21 equals programming, 26 equals QA test/review, 28 equals QA test/review complete, 38 equals in production, 01 equals complete. During the normal project promotion cycle, developers check objects out of and into the development path code and then promote them to the prototype path code. The objects are then moved to the productions path code before declaring them complete.</p> |
| <b>proxy server</b>                 | A server that acts as a barrier between a workstation and the internet so that the enterprise can ensure security, administrative control, and caching service.                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>published table</b>              | Also called a master table, this is the central copy to be replicated to other machines. Residing on the publisher machine, the F98DRPUB table identifies all of the published tables and their associated publishers in the enterprise.                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>publisher</b>                    | The server that is responsible for the published table. The F98DRPUB table identifies all of the published tables and their associated publishers in the enterprise.                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>pull replication</b>             | One of the PeopleSoft methods for replicating data to individual workstations. Such machines are set up as pull subscribers using PeopleSoft EnterpriseOne data replication tools. The only time that pull subscribers are notified of changes, updates, and deletions is when they request such information. The request is in the form of a message that is sent, usually at startup, from the pull subscriber to the server machine that stores the F98DRPCN table.                                                                                                                                                      |
| <b>QBE</b>                          | An abbreviation for query by example. In PeopleSoft EnterpriseOne, the QBE line is the top line on a detail area that is used for filtering data.                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>real-time event</b>              | A service that uses system calls to capture PeopleSoft EnterpriseOne transactions as they occur and to provide notification to third-party software, end users, and other PeopleSoft systems that have requested notification when certain transactions occur.                                                                                                                                                                                                                                                                                                                                                              |
| <b>refresh</b>                      | A function used to modify PeopleSoft EnterpriseOne software, or subset of it, such as a table or business data, so that it functions at a new release or cumulative update level, such as B73.2 or B73.2.1.                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>replication server</b>           | A server that is responsible for replicating central objects to client machines.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>quote order</b>                  | In PeopleSoft EnterpriseOne Procurement and Subcontract Management, a request from a supplier for item and price information from which you can create a purchase order.                                                                                                                                                                                                                                                                                                                                                                                                                                                    |

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|                                            | In PeopleSoft EnterpriseOne Sales Order Management, item and price information for a customer who has not yet committed to a sales order.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>selection</b>                           | Found on PeopleSoft menus, a selection represents functions that you can access from a menu. To make a selection, type the associated number in the Selection field and press Enter.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Server Workbench</b>                    | An application that, during the Installation Workbench process, copies the server configuration files from the Planner data source to the System-release number data source. It also updates the Server Plan detail record to reflect completion.                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>spot rate</b>                           | An exchange rate entered at the transaction level. This rate overrides the exchange rate that is set up between two currencies.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Specification merge</b>                 | A merge that comprises three merges: Object Librarian merge, Versions List merge, and Central Objects merge. The merges blend customer modifications with data that accompanies a new release.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>specification</b>                       | A complete description of a PeopleSoft EnterpriseOne object. Each object has its own specification, or name, which is used to build applications.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Specification Table Merge Workbench</b> | An application that, during the Installation Workbench process, runs the batch applications that update the specification tables.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>store-and-forward</b>                   | The mode of processing that enables users who are disconnected from a server to enter transactions and then later connect to the server to upload those transactions.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>subscriber table</b>                    | Table F98DRSUB, which is stored on the publisher server with the F98DRPUB table and identifies all of the subscriber machines for each published table.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>supplemental data</b>                   | <p>Any type of information that is not maintained in a master file. Supplemental data is usually additional information about employees, applicants, requisitions, and jobs (such as an employee's job skills, degrees, or foreign languages spoken). You can track virtually any type of information that your organization needs.</p> <p>For example, in addition to the data in the standard master tables (the Address Book Master, Customer Master, and Supplier Master tables), you can maintain other kinds of data in separate, generic databases. These generic databases enable a standard approach to entering and maintaining supplemental data across PeopleSoft EnterpriseOne systems.</p> |
| <b>table access management (TAM)</b>       | The PeopleSoft EnterpriseOne component that handles the storage and retrieval of use-defined data. TAM stores information, such as data dictionary definitions; application and report specifications; event rules; table definitions; business function input parameters and library information; and data structure definitions for running applications, reports, and business functions.                                                                                                                                                                                                                                                                                                             |
| <b>Table Conversion Workbench</b>          | An interoperability model that enables the exchange of information between PeopleSoft EnterpriseOne and third-party systems using non-PeopleSoft EnterpriseOne tables.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>table conversion</b>                    | An interoperability model that enables the exchange of information between PeopleSoft EnterpriseOne and third-party systems using non-PeopleSoft EnterpriseOne tables.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>table event rules</b>                   | Logic that is attached to database triggers that runs whenever the action specified by the trigger occurs against the table. Although PeopleSoft EnterpriseOne enables event rules to be attached to application events, this functionality is application specific. Table event rules provide embedded logic at the table level.                                                                                                                                                                                                                                                                                                                                                                        |
| <b>terminal server</b>                     | A server that enables terminals, microcomputers, and other devices to connect to a network or host computer or to devices attached to that particular computer.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |

|                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|--------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>three-tier processing</b>               | The task of entering, reviewing and approving, and posting batches of transactions in PeopleSoft EnterpriseOne.                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>three-way voucher match</b>             | In PeopleSoft EnterpriseOne Procurement and Subcontract Management, the process of comparing receipt information to supplier's invoices to create vouchers. In a three-way match, you use the receipt records to create vouchers.                                                                                                                                                                                                                                                                                                                                          |
| <b>transaction processing (TP) monitor</b> | A monitor that controls data transfer between local and remote terminals and the applications that originated them. TP monitors also protect data integrity in the distributed environment and may include programs that validate data and format terminal screens.                                                                                                                                                                                                                                                                                                        |
| <b>transaction set</b>                     | An electronic business transaction (electronic data interchange standard document) made up of segments.                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>trigger</b>                             | One of several events specific to data dictionary items. You can attach logic to a data dictionary item that the system processes automatically when the event occurs.                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>triggering event</b>                    | A specific workflow event that requires special action or has defined consequences or resulting actions.                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>two-way voucher match</b>               | In PeopleSoft EnterpriseOne Procurement and Subcontract Management, the process of comparing purchase order detail lines to the suppliers' invoices to create vouchers. You do not record receipt information.                                                                                                                                                                                                                                                                                                                                                             |
| <b>User Overrides merge</b>                | Adds new user override records into a customer's user override table.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>variance</b>                            | <p>In Capital Asset Management, the difference between revenue generated by a piece of equipment and costs incurred by the equipment.</p> <p>In EnterpriseOne Project Costing and EnterpriseOne Manufacturing Management, the difference between two methods of costing the same item (for example, the difference between the frozen standard cost and the current cost is an engineering variance). Frozen standard costs come from the Cost Components table, and the current costs are calculated using the current bill of material, routing, and overhead rates.</p> |
| <b>Version List merge</b>                  | The Versions List merge preserves any non-XJDE and non-ZJDE version specifications for objects that are valid in the new release, as well as their processing options data.                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>visual assist</b>                       | Forms that can be invoked from a control via a trigger to assist the user in determining what data belongs in the control.                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>vocabulary override</b>                 | An alternate description for a data dictionary item that appears on a specific PeopleSoft EnterpriseOne or World form or report.                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>wchar_t</b>                             | An internal type of a wide character. It is used for writing portable programs for international markets.                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>web application server</b>              | A web server that enables web applications to exchange data with the back-end systems and databases used in eBusiness transactions.                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>web server</b>                          | A server that sends information as requested by a browser, using the TCP/IP set of protocols. A web server can do more than just coordination of requests from browsers; it can do anything a normal server can do, such as house applications or data. Any computer can be turned into a web server by installing server software and connecting the machine to the internet.                                                                                                                                                                                             |
| <b>Windows terminal server</b>             | A multiuser server that enables terminals and minimally configured computers to display Windows applications even if they are not capable of running Windows software themselves. All client processing is performed centrally at the Windows terminal server and only display, keystroke, and mouse commands are transmitted over the network to the client terminal device.                                                                                                                                                                                              |

|                                      |                                                                                                                                                                                                                                                                                                                                                                   |
|--------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>work day calendar</b>             | In EnterpriseOne Manufacturing Management, a calendar that is used in planning functions that consecutively lists only working days so that component and work order scheduling can be done based on the actual number of work days available. A work day calendar is sometimes referred to as planning calendar, manufacturing calendar, or shop floor calendar. |
| <b>workflow</b>                      | The automation of a business process, in whole or in part, during which documents, information, or tasks are passed from one participant to another for action, according to a set of procedural rules.                                                                                                                                                           |
| <b>workgroup server</b>              | A server that usually contains subsets of data replicated from a master network server. A workgroup server does not perform application or batch processing.                                                                                                                                                                                                      |
| <b>XAPI events</b>                   | A service that uses system calls to capture PeopleSoft EnterpriseOne transactions as they occur and then calls third-party software, end users, and other PeopleSoft systems that have requested notification when the specified transactions occur to return a response.                                                                                         |
| <b>XML CallObject</b>                | An interoperability capability that enables you to call business functions.                                                                                                                                                                                                                                                                                       |
| <b>XML Dispatch</b>                  | An interoperability capability that provides a single point of entry for all XML documents coming into PeopleSoft EnterpriseOne for responses.                                                                                                                                                                                                                    |
| <b>XML List</b>                      | An interoperability capability that enables you to request and receive PeopleSoft EnterpriseOne database information in chunks.                                                                                                                                                                                                                                   |
| <b>XML Service</b>                   | An interoperability capability that enables you to request events from one PeopleSoft EnterpriseOne system and receive a response from another PeopleSoft EnterpriseOne system.                                                                                                                                                                                   |
| <b>XML Transaction</b>               | An interoperability capability that enables you to use a predefined transaction type to send information to or request information from PeopleSoft EnterpriseOne. XML transaction uses interface table functionality.                                                                                                                                             |
| <b>XML Transaction Service (XTS)</b> | Transforms an XML document that is not in the PeopleSoft EnterpriseOne format into an XML document that can be processed by PeopleSoft EnterpriseOne. XTS then transforms the response back to the request originator XML format.                                                                                                                                 |
| <b>Z event</b>                       | A service that uses interface table functionality to capture PeopleSoft EnterpriseOne transactions and provide notification to third-party software, end users, and other PeopleSoft systems that have requested to be notified when certain transactions occur.                                                                                                  |
| <b>Z table</b>                       | A working table where non-PeopleSoft EnterpriseOne information can be stored and then processed into PeopleSoft EnterpriseOne. Interface tables also can be used to retrieve PeopleSoft EnterpriseOne data. Interface tables are also known as interface tables.                                                                                                  |
| <b>Z transaction</b>                 | Third-party data that is properly formatted in interface tables for updating to the PeopleSoft EnterpriseOne database.                                                                                                                                                                                                                                            |

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