



PeopleSoft EnterpriseOne Demand Scheduling Execution 8.11 PeopleBook

November 2004

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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.

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.

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.

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.

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.

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.

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.

See Also

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

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
Bold	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. 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. 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.

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.

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.

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

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.

As If Currency Code	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.
Batch Number	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).
Batch Date	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.
Batch Status	Displays a code from user-defined code (UDC) table 98/IC that indicates the posting status of a batch. Values are: <i>Blank:</i> Batch is unposted and pending approval. <i>A:</i> The batch is approved for posting, has no errors and is in balance, but it has not yet been posted. <i>D:</i> The batch posted successfully. <i>E:</i> The batch is in error. You must correct the batch before it can post. <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. <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.
Branch/Plant	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.
Business Unit	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.
Category Code	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.
Company	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.
Currency Code	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.
Document Company	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. 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.

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 Demand Scheduling Preface

This preface discusses:

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

PeopleSoft Products

This PeopleBook refers to these PeopleSoft products:

- PeopleSoft EnterpriseOne Accounts Receivable
- PeopleSoft EnterpriseOne Demand Scheduling Execution
- PeopleSoft EnterpriseOne EDI (Electronic Data Interchange)
- PeopleSoft EnterpriseOne Inventory Management
- PeopleSoft EnterpriseOne Sales Order Management
- PeopleSoft EnterpriseOne Transportation Management
- PeopleSoft EnterpriseOne Warehouse Management

Note. This PeopleBook documents only form elements that require additional explanation. If a form element is not documented with the process or task in which it is used, then it either requires no additional explanation or is documented with the common elements for the section, chapter, or PeopleBook.

PeopleSoft Application Fundamentals

The *PeopleSoft EnterpriseOne Demand Scheduling PeopleBook* provides you with implementation and processing information for your PeopleSoft Demand Scheduling Execution solution. However, additional, essential information describing the setup and design of your system resides in companion documentation. The companion documentation consists of important topics that apply to many or all PeopleSoft EnterpriseOne products lines. The companion volume for Demand Scheduling is:

PeopleSoft EnterpriseOne FMS 8.11 Application Fundamentals PeopleBook.

See Also

PeopleSoft EnterpriseOne Financial Management Solutions Application Fundamentals 8.11 PeopleBook

Common Elements Used in This PeopleBook

Sold To	A user-defined name or number that identifies an address book record. You can use this field to enter and locate information. If you enter a value other than the address book number (AN8), such as the long address or tax ID, you must precede it with the special character that is defined in the Address Book constants. When the system locates the record, it returns the address book number into the field.
Requirement Type	A code from the EDI transaction set/message that indicates the type of demand.
Demand Type	A code that specifies whether the demand is firm or planned. The demand type is used to determine how the system processes demand.
A/B Firm	An option that determines whether you can adjust the demand by modifying either the quantity that you have already shipped (also known as "ahead amount") or the quantity that you need to ship (also known as "behind amount") in relation to the customer's requirements. If you activate this option, then you can adjust the demand before you create the sales order.
A/B Plan	An option that determines whether you can adjust the demand by modifying either the quantity that you have already shipped (also known as "ahead amount") or the quantity that you need to ship (also known as "behind amount") in relation to the customer's requirements. If you activate this option, then you can adjust the demand before you create forecast records.
Branch/Plant	An alphanumeric code that identifies a separate entity within a business for which you want to track costs. For example, a business unit might be a warehouse location, job, project, work center, branch, or plant.
Transaction Set	A qualifier that the system uses to identify a specific type of EDI transaction.
Transaction Set Purpose	A code that identifies the purpose of the transaction set. Refer to UDC 47/PU. The 1st character of the 2nd description in that table controls how the transaction is processed. Refer to ANSI X.12 Data Item 353.
Processed (Y/N)	An option that indicates whether a record has been successfully processed. Depending on the program, the system updates the EDSP field in a table with one of the following values: Blank: The record has not been processed. <i>I</i>: The record has been successfully processed. In order to run the EDI Inbound Demand Edit/Update batch program (R47171), you must specify <i>I</i>.
Line Number	The line number that you assign when originating an EDI transaction. This number can represent an order line number (applicable for any order type), an invoice pay item, a journal entry line number, and so forth.
Send/Receive Indicator	An indicator that identifies a specific transaction set can be sent, received, or both. Values are: <i>S</i>: Send <i>R</i>: Receive <i>B</i>: Both

Route	A code that represents a sequence of points at which goods are collected on the assembly line.
Route Suffix	The suffix from the EDI transaction set/message that identifies the sequence of points where goods are collected.
Contract	A unique number assigned by the company to identify a particular contract. A contract is defined as a legally enforceable promise and must include the following factors: an offer, an acceptance, consideration, legality of subject matter, capacity of parties to execute, and more. You may wish to assign some significance to the contract number (such as. a contract type code, state, year, and so forth). A contract may have multiple supplements (field GSUP) to record addendums or changes.
Record Sequence	An identifier that is used to assign the relative position within the header or detail information of an EDI transaction (for example, H01, H02, D01, and so forth).
Program ID	The number that identifies the batch or interactive program (batch or interactive object). For example, the number of the Sales Order Entry interactive program is P4210, and the number of the Print Invoices batch process report is R42565. The program ID is a variable length value. It is assigned according to a structured syntax in the form TSSXXX, where: <i>T</i>: The first character of the number is alphabetic and identifies the type, such as P for Program, R for Report, and so forth. For example, the value <i>P</i> in the number P4210 indicates that the object is a program. <i>SS</i>: The second and third characters of the number are numeric and identify the system code. For example, the value <i>42</i> in the number P4210 indicates that this program belongs to system 42, which is Sales Order Processing. <i>XXX</i>: The remaining characters of the number are numeric and identify a unique program or report. For example, the value <i>10</i> in the number P4210 indicates the Sales Order Entry program.

CHAPTER 1

Getting Started

This chapter discusses:

- Demand Scheduling overview
- Demand Scheduling business processes
- Demand Scheduling implementation

Demand Scheduling Overview

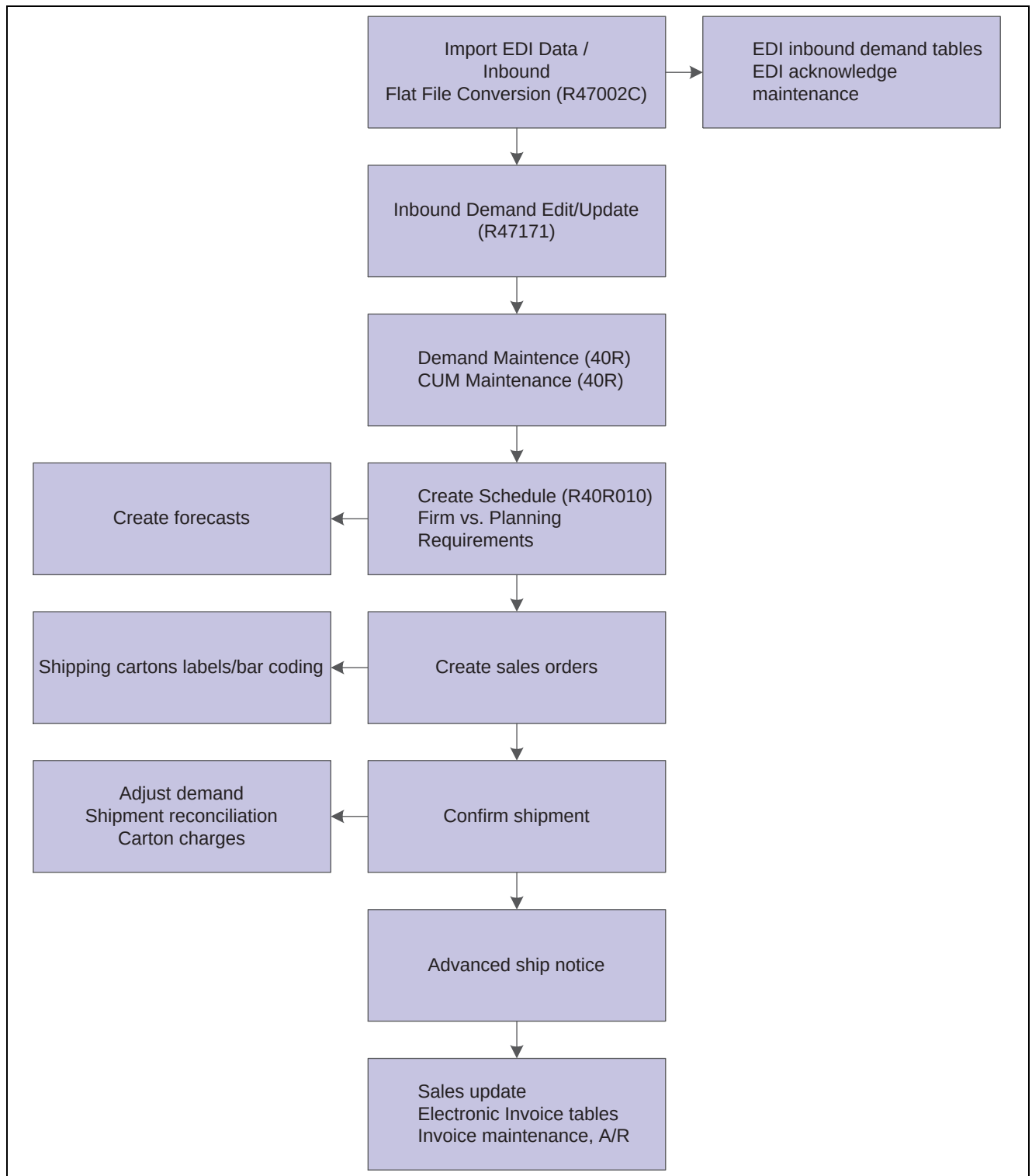
You use the Demand Scheduling system (40R) to manage requirements for shipment and production schedules between customers and suppliers. Firm or planned demand requirements enable you to receive, interpret, validate, or forecast net order information for shipments, and to automatically communicate shipment details to the supplier or customer.

The system interprets and receives information using Electronic Data Interchange (EDI) documents that are transmitted from customers to suppliers, and then populates the appropriate demand scheduling tables in order to create records, sales orders, and forecasts. You set up the demand scheduling system to manage all of this information.

Typically, forecasted schedules are transmitted from the manufacturer or distributor to the supplier to cover a future period of time and are formatted as a series of year-to-date cumulative totals. You can use this information for forecasting and planning when ordering parts and materials in high-volume supply chains.

Demand Scheduling Business Processes

The following process flow illustrates the Demand Scheduling business processes:



Demand Scheduling process flow

Demand Scheduling Integrations

The Demand Scheduling system integrates with these PeopleSoft EnterpriseOne systems:

- Electronic Commerce (EDI)
- Sales Order Management
- Warehouse Management
- Transportation Management
- Inventory Management
- Accounts Receivable

We discuss integration considerations in the implementation chapters in this PeopleBook. Supplemental information about third-party application integrations is located on the PeopleSoft Customer Connection website.

EDI

Demand scheduling focuses on capturing the demand requirements sent by customers to suppliers. Typically, you send and receive information using the Electronic Data Interchange system (47). This demand scheduling information includes cumulative quantities and supplier release scheduling. You can determine which transactions and messages are sent to the supplier, and how to use them.

Sales Order Management

You can enhance customer service by using the Sales Order Management system to create order templates, standing or blanket orders. Also, the Sales Order Management system provides additional customer service support through online displays that provide the following:

- Pertinent order, inventory, transportation, and financial information.
- Net profitability of a product line when promotions, discounts, and allowances are applied.

Warehouse Management

The Warehouse Management system works in conjunction with other PeopleSoft systems to manage your inventory and enable you to satisfy your customers' requirements through efficient storing, packing, and shipping.

Transportation Management

The transportation industry deals with a wide variety of shipping needs. To meet those needs, your company might need to set up a range of transportation scenarios. The Transportation Management system allows you to set up parcel shipments, less than truckload shipments, truckload shipments, and rail shipments.

Inventory Management

The Inventory Management system defines discreet inventory items, which allows you to manipulate inventory throughout the supply chain. Item identification and processing characteristics are the basic information elements that are specific to individual items across an entire company. This information can be further defined by facility to provide geographic or market flexibility.

Accounts Receivable

The Accounts Receivable system helps you to manage your cash flow with the flexibility that you need for effective cash management. You can streamline the day-to-day functions of your entire accounts receivable department. You can simplify and accelerate the process of applying receipts.

Demand Scheduling Implementation

This section provides an overview of the steps that are required to implement the Demand Scheduling system.

In the planning phase of your 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 *About These PeopleBooks* with information about where to find the most current version of each.

Global Implementation Steps

This table lists the implementation steps for the Demand Scheduling system:

Step	Reference
1. Set up global user-defined codes.	<i>PeopleSoft EnterpriseOne Tools 8.94 Foundation PeopleBook, User Defined Codes</i>
2. Set up companies, fiscal date patterns, and business units.	<i>PeopleSoft EnterpriseOne Financial Management Solutions Application Fundamentals 8.11 PeopleBook, "Setting Up an Organization"</i>
3. Set up next numbers.	<i>PeopleSoft EnterpriseOne Tools 8.94 Foundation PeopleBook, Setting Up Next Numbers</i>
4. Set up accounts and the chart of accounts.	<i>PeopleSoft EnterpriseOne Financial Management Solutions Application Fundamentals 8.11 PeopleBook, "Setting Up Accounts"</i>
5. Set up General Accounting constants.	<i>PeopleSoft EnterpriseOne General Accounting 8.11 PeopleBook, "Setting Up the General Accounting System," Setting Up General Accounting Constants</i>
6. Set up multicurrency processing, including currency codes and exchange rates.	<i>PeopleSoft EnterpriseOne Multicurrency Processing 8.11 PeopleBook, "Setting Up General Accounting for Multicurrency Processing"</i> <i>PeopleSoft EnterpriseOne Multicurrency Processing 8.11 PeopleBook, "Setting Up Exchange Rates"</i>
7. Set up ledger type rules.	<i>PeopleSoft EnterpriseOne General Accounting 8.11 PeopleBook, "Setting Up the General Accounting System," Setting Up Ledger Types for General Accounting</i>
8. Enter address book records.	<i>PeopleSoft EnterpriseOne Address Book 8.11 PeopleBook, "Entering Address Book Records," Entering Address Book Records</i>

Step	Reference
9. Set up inventory information, such as branch/plant constants, default locations and printers, manufacturing and distribution AAIs, and document types.	<i>PeopleSoft EnterpriseOne Inventory Management 8.11 PeopleBook</i> , “Setting Up the Inventory Management System”
10. Set up shop floor calendars.	<i>PeopleSoft EnterpriseOne Shop Floor Management 8.11 PeopleBook</i> , “Setting Up Shop Floor Management,” Setting Up a Shop Floor Calendar
11. Set up manufacturing constants.	<i>PeopleSoft EnterpriseOne Product Data Management 8.11 PeopleBook</i> , “Setting Up Product Data Management,” Setting Up Manufacturing Constants

Demand Scheduling Implementation Steps

This table lists the implementation steps for the Demand Scheduling system.

Step	Reference
1. Set up data item SY40R in the EnterpriseOne System Control program (P99410) to activate the functionality for Demand Scheduling Execution (SY40R).	<i>PeopleSoft EnterpriseOne 8.94 System Administration PeopleBook</i>
2. Set up advanced preferences.	<i>PeopleSoft EnterpriseOne Sales Order Management 8.11 PeopleBook</i> , “Understanding Custom Preference Types”

CHAPTER 2

Understanding Demand Scheduling

This chapter introduces the main concepts in the Demand Scheduling system, including:

- EDI transactions and messages.
- Demand rules and maintenance.
- Cumulative processing.
- Shipping and planning schedules.
- Planning demand.
- Firm demand.

EDI Transactions and Messages

Demand scheduling focuses on capturing the demand requirements sent by customers to suppliers. Typically, you send and receive information using the Electronic Data Interchange system (47). This demand scheduling information includes cumulative quantities and supplier release scheduling. You can determine which transactions and messages are sent to the supplier, and how to use them.

A supplier may receive the same type of information on several different transactions or messages, depending on the mix of customers with which they conduct business. The translator can interpret and processes this data consistently and map the information to the database, based on the defined translation rules.

For example, demand information can be received either by an 830, 850, 862, 866, DELJIT, DELFOR, or ORDERS document. The third-party translator then maps the data from the EDI transmission to EDI system (47) demand tables, based on the trading partner, the EDI transaction, and the data received.

Occasionally, customers use the 850 (purchase order) document for planning and forecasting, or for spot buys. Other customers use it as a blanket purchase order. For the customers that use the 850 for planning and forecasting, it will flow through the demand tables as a planning requirement. For spot buys, the system processes the 850 as a firm type of requirement. If the 850 document is being used as a blanket purchase order, the system maps it to the PO System/47 tables and processes it as a typical 850 document.

You can also enter and revise this information manually and direct this information to customers or suppliers.

Demand Rules and Maintenance

The Demand Scheduling system enables you to maintain demand requirements that you receive from the customer. Demand rules include demand data and cumulative quantities that you set up at the customer and ship-to level. These rules define how requirements are updated during the shipping process.

For example, demand rules enable you to:

- Specify the day on which a customer's week begins, allowing you to determine whether a demand record is associated with the current week or the prior week.
- Adjust shipment dates for nonworking days.
- Increase or decrease cumulative quantities when updating the cumulative quantity shipped.
- Replace the existing demand with the new demand that is associated with a particular Ship To record.
- Calculate ahead or behind values to adjust the demand before you create the sales order.
- Establish shipment and delivery times based on the values for Branch/Plant, Ship To, or Sold To time zones.

Demand Records

You use demand records to maintain all of your demand information. Demand records include the following types of information:

- Supplemental data stored at the demand header and detail level.
- Current schedules for creating forecast records and sales orders.
- Preferences for setting up fence dates, tolerances, pack rounding, and so forth.
- Address and contact information.
- Packaging information.
- Historical data of each schedule change or release.
- Net variance changes through inquiry and alerts.
- Activity data for analyzing inactive or obsolete items.

Cumulative Processing

You use cumulative processing to communicate current and forecasted requirements for accumulated quantities of goods from the start of a blanket purchase order to a particular future date. For example, you can send and receive notifications regarding year-to-date quantities received, quantities required, and quantities shipped.

Each demand detail record is associated with a unique cumulative record. The system receives cumulative data when you enter it manually using the CUM Maintenance program (P40R12), or through the EDI Demand Header program (P47171) using the EDI Inbound Demand Edit/Update program (R47171). You can also adjust cumulative information using the adjust demand process and CUM Rollback program (P40R421), which automatically resets cumulative quantities to zero.

Shipping and Planning Schedules

You can create shipping and planning schedules based on demand and cumulative information. The following table describes how you work with schedules.

Decrementing CUMs	You use decrementing CUMs to decrease the cumulative amount shipped and to place orders on hold when the CUM shipped reaches zero.
Fences	You can use schedule fences and preferences to control how the system maintains records for new releases and changed quantities. There are two kinds of fences, firm or plan. A firm shipment fence specifies the number of days of demand for which you create sales orders. The planned forecast fence specifies the number of days of demand for which you create forecasts.
Standard Pack	You use standard pack and rounding rules and cumulative calculations to determine order quantities. You set up standard pack information at the customer and item level to ensure that shipments are made in the correct quantity. Customers can request shipments that are not using standard pack
Ahead/Behind	You can determine whether a supplier is over-shipped, under-shipped, or even. You calculate this amount by subtracting the cumulative shipped from the cumulative required amount. If the amount is positive, the supplier is behind (under shipped). If the amount is negative, the supplier is ahead (over shipped). If the difference amount is zero, the supplier is on schedule.
Forecast Dates	You create forecasted schedules and transmit them from the trading partner to the supplier to cover a forward period of time, usually in a days/weeks/months format, and are often given in a series of year-to-date cumulative totals.
Schedule Revision Preferences	You set up a preference to specify how the customer sends their planning demand.

Planning Demand

In the context of Demand Scheduling, customers may have two types of requirements, firm or planned. Planned requirements represent demand for items that are not needed right away and do not need to be shipped immediately, but are items that the supplier needs to plan for because the customer anticipates needing the material within a specific future time horizon.

After customers have communicated their requirements to their suppliers, typically using EDI, the requirements are transferred from the EDI demand tables into the Demand Detail table (F40R11) by running the EDI Inbound Demand Edit/Update program (R47171). The resulting records in the Demand Detail table are characterized as planning or firm demand by the value in the Demand Type field. Each record also contains a demand period indicator that specifies the period of time for the demand record (daily, weekly or monthly).

Note. Firm or planned demand can also be entered into the system by using the Demand Maintenance program (P40R10). You can set a processing option to start the Create Demand Schedule program (R40R010) automatically.

You transfer planned demand values into the Forecasting system by running the Create Demand Schedule program. Based on the schedule fence defined in the preferences for a customer and item combination, the system determines whether to create a forecast record from the demand record. If the demand record falls into the time frame specified by the horizon start date (release date or date provided by the customer), a forecast record is created; otherwise, the data is used for information only. After a demand detail record is sent to the Forecasting system, its status is set to 0.

Forecasts

Demand scheduling allows a supplier to use demand information communicated by the customer as a way to create forecasts for the company's own production schedule. If the release sent by the customer falls into the time period between the horizon start date and the Plan Forecast Fence date, the system considers it planned demand and processes it into a forecast.

Forecast Consumption by Customer

When working with large customers, you may want to consider the demand for each customer separately and plan production quantities accordingly. You can set up the system to net forecasts and sales orders for a particular customer separately, so that you can plan more accurately for the specific demand coming from individual customers. When netting forecasts against sales orders, the results can differ depending on whether you compare aggregate forecast and sales order values or whether you compare the values for each individual customer.

When you run the MRP/MPS Requirements Planning program (R3482), you can set up the program to use forecast consumption by customer. You can use this functionality for items that are defined with planning fence rule C, G, or H. You cannot use forecast consumption logic for process items.

See Also

PeopleSoft EnterpriseOne Requirements Planning 8.11 PeopleBook, "Forecast Consumption," Forecast Consumption by Customer

Firm Demand

Firm demand represents the demand requirements for items and material that will be needed for a specified, future time. You can create and process records to manage firm demand. These records store the information that you use to maintain the requirements, including schedules, sales orders or forecasts, maintenance rules and other default information that is relevant to suppliers and customers. You can also specify how the system processes cartons, labels, shipments, notifications, and you can run reports to analyze all of your demand information.

Demand Spreading

Demand spreading refers to the process of spreading the demand forecast quantity for a given date or date range across a specified time period. In this process, the planning dates and quantities in the Detail Demand records are consolidated and then distributed into forecasting buckets in aggregate weekly or monthly values. The Forecasting system supports two methods of demand spreading:

- Template spreading

You create a demand spreading template to indicate how planned demand quantities are spread across a week. You can specify a different percentage for each day. The percentages specified in the template must add up to 100.

- Even spreading

When no demand spreading template exists, the demand quantities are automatically distributed evenly across the days of the week. This is the default method.

Demand Sales Orders

A demand sales order is a sales order that is generated from the demand scheduling system when you run the Create Demand Schedule program (R40R010). The sales orders that are created or updated reflect what items need to be shipped in order to meet the customer's schedule.

The system automatically creates shipment records to organize the daily shipments. The demand sales orders are linked to the originating demand scheduling record using demand-related fields that you can review in the Sales Order Entry program (P4210) in the Sales Order Management system.

Carton Information

You can store detailed information about each carton on a shipment to be used for tracking, carton charges, and the Advanced Ship Notice (ASN).

Carton information includes:

- Serial numbers.
- Weight information.
- Scanning information.
- Third-party or custom modifications for data collection and scanning.
- Manual processing.
- Carton recommendations.
- Recommendations for packing.
- Next number used for label serial number.
- Carton reorganization for changes.

The ASN allows the sender to describe the contents and configuration of a shipment. The ASN lists the contents of a shipment of goods, as well as information related to the shipment, such as:

- Order information.
- Product description.
- Physical characteristics.
- Type of packaging.
- Carrier information.
- Configuration of goods within the transportation equipment.

The system prints the bill of lading from carton detail. You can print detail or summary carton information. Customers control the format for the bill of lading number, which uses Next Numbers and is not customer specific.

Label Processing

The system gathers label data from various tables into an outbound document and sends this information to a third-party to format and print the labels. You can send label information from the following programs:

- Demand Maintenance (P40R10)
- Sales Order Entry (P4210), if you are not using demand scheduling
- Carton Detail Inquiry (P4621), if the carton detail has been created from carton recommendations

The system uses inbound scanned label data to create or update carton detail and to create the Advanced Ship Notice (ASN). Detailed carton information is required on the ASN and the Bill of Lading in order to describe the shipment. Labels must have standard data from the inbound EDI message.

You can generate label serial numbers based on the branch/plant value using label next numbers. Labels can also be generated externally. Label serial numbers are stored and validated by the third-party. The system stores these numbers after you scan the number to verify quantities of shipment items with the quantities of carton detail items. You can correct discrepancies as necessary.

Shipment Reconciliation and Confirmation

When reconciling shipments, you validate that a shipment quantity for an item matches the carton detail quantity. You can reconcile shipment information when entering and scanning labels. The system links the labels to the carton detail and matches the values for shipment number, item, ship to, and quantity. If you are using smart labels, the system compares the information for each container label that is linked to the scanned label. When a match is found, the system updates the information with the correct master/mixed and container label numbers. The system also creates a record for the master/mixed label in carton detail.

After you reconcile and load a shipment, you can confirm the shipment. You can enter last-minute ASN information, such as seal numbers or freight authorization codes. You can also specify whether to automatically extract the ASN.

Shipping Reports

Shipping reports display information useful for pick slips, packing slips, carton recommendations and packaging requirements for shipping, bill of lading information, cumulative amounts, and shipment analysis. The following reports are available:

- Document Batch Print UBE (R49590)
- Transportation Bill of Lading Build (R49110)
- Transportation Bill of Lading Print (R49116)

Notifications

The following table describes how the system processes notifications for demand scheduling:

Advanced Ship Notice (ASN)	Advance Ship Notices (ASN) are electronic messages that provide product and shipment information to a customer prior to delivery. EDI tables maintain ASN data, and this allows you to quickly change ASN data in order to send timely messages to customers. If the changes must also be reflected in the demand and shipping tables, you can make those changes through the appropriate application at a later time. You can also roll up totals and updates to related records. You can set up customer rules and preferences to specify whether to perform ASN tracking. The rules and preferences determine how long the system waits for an ASN acknowledgment to be received before sending a message, as well as the workflow process name to be initiated. For example, if you want to be informed that an ASN was not acknowledged within twenty minutes, the customer rules will specify twenty minutes. If the wait time expires, the system sends an email to the designated personnel.
Acknowledgments	When you receive an EDI acknowledgement or application advice, the System/47 ASN database will be updated with the acknowledgement date and time, as well as the status. The system processes these transactions for the ASN and the invoice. You use customer rules to determine what type of activity will take place at each status. Statuses are: • Rejected • Accepted with Errors • Accepted Each of these statuses can optionally initiate a workflow process that can send a message or an email. You can correct any required data or mapping issues, and resubmit the ASN for transmission.

Demand Adjustments	When a shipment is confirmed, the system issues an XAPI message with shipment information and adjusts the demand to handle remaining, partial requirements if the actual amount shipped is less than the amount required. Demand is adjusted after the system receives the inbound demand and processes the associated order. The system uses the shipment confirmation message to communicate the actual quantity shipped to the rest of the system. The system uses the quantity shipped (including cartons) to adjust the original demand request and the associated cumulative quantities. For product messages (sales order detail lines), the system sends the following information: • Demand ID • Branch/plant • Sold To address book number • Ship To address book number • Quantity shipped • Unit of measure • Shipment number • Actual shipment date • Actual shipment time For carton messages, the system sends the following information: • Branch/plant • Sold To address book number • Ship To address book number • Customer carton number • Number of cartons The system uses status of ahead-behind calculation to determine whether to perform the update. The system also updates cumulative shipped for products and cartons if you have activated cumulative tracking.
Invoicing	The system creates the invoice after shipment confirmation. The system uses the Print Invoices program (R42565) to collect the required data from the related system files, and then converts the data into Electronic Commerce (47) system files. The system then uses the EDI Invoice Extraction Conversion program (R47042C) to create a flat file. The translator maps the flat file into an 810 or INVOIC format, which you send to the customer.

See Also

Chapter 7, “Working with Advance Ship Notices,” Understanding ASNs, page 83

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

Sales Update and Receipts

When you process sales orders using the Sales Update program (R42800), the system generates a shipment number for invoices that are stored in the F03B11. The system can select invoices and apply cash against invoices based on the shipment number, similar to using values like the invoice number, sales order number, customer reference, or statement number for processing and matching invoices and receipts.

Some suppliers are not required to generate an invoice, so the system allows you to issue payments based on the ASN.

Demand Analysis Reports

You can run a variety of reports to analyze demand-scheduling information. For example, you can print bills of lading or print information to analyze discrepancies for shipments, review demand activity, or to analyze the efficiency of the advance ship notice process. The following reports are available:

- Shipment Analysis (R40R030)
- CUM Reconciliation (R40R1010)
- Demand Inactivity Analysis (R40R1020)
- ASN On Time Analysis (R470361)
- EDI ASN Update as Sent (R47037)
- Acknowledgment Accuracy (R47191)
- Transportation Bill of Lading Print (R49116)

CHAPTER 3

Working with EDI Demand Information

This chapter provides an overview of the setup requirements for demand scheduling EDI information and discusses how to

- Create an EDI demand header record.
- Revise EDI demand detail information.
- Revise EDI demand scheduling detail information.
- Run the EDI Inbound Demand Edit/Update report (R47171).
- Set processing options for EDI Inbound Demand Edit/Update (R47171).
- Purge EDI demand records.

Understanding EDI Information for Demand Scheduling

Demand scheduling focuses on capturing the demand requirements sent by customers to suppliers, including cumulative quantities. You can determine which transactions and messages are sent to the supplier, and how to use them.

The EDI (47) tables store the relevant data items as interpreted by the third-party translator. You can manually revise this information using EDI Demand Header Maintenance (P47171) and then process the demand requirements using the EDI Inbound Demand Edit/Update (R47171), which stores the demand requirements in the Demand Scheduling (40R) database. After the EDI data has been imported into the Demand Scheduling tables, any changes to the EDI tables will not be reflected in the Demand Scheduling tables, unless the Successfully Process flag in the EDI Demand Header and EDI Demand Detail is changed to a blank or *N*. Periodically, you can purge the processed EDI records using the EDI Demand Purge (R47190) program to reduce the size of the EDI tables.

When you run the EDI Inbound Demand Edit/Update program, the system cross-references the Requirement Type value and Requirement Frequency values with the Demand Type and Demand Period values.

Note. When you delete EDI demand information from the programs, the system deletes all the dependent data. For example, when you delete an EDI demand address, the dependent EDI demand contact name and demand contact number is also deleted.

A supplier may receive the same type of information on several different transactions or messages, depending on the mix of customers with which they conduct business. Demand information can be received either by an 830, 850, 862, 866, DELJIT, DELFOR, or ORDERS document. The third-party translator then maps the data from the EDI transmission to EDI system 47 demand tables, based on the trading partner, EDI transaction, and the data received. The translator can interpret and processes this data consistently and map the information to the database, based on the defined translation rules.

Note. Occasionally, customers use the 850 (purchase order) document for planning and forecasting, or for spot buys. Other customers use it as a blanket purchase order. For the customers that use the 850 for planning and forecasting, the information will flow through the demand tables as a planning requirement. For spot buys, the system processes the 850 as a firm type of requirement. If the 850 document is being used as a blanket purchase order, the system maps it to the PO System/47 tables and processes it as a typical 850 document.

The system uses information from inbound transactions to populate the following EDI demand tables with information translated by the third-party translator:

Table	Description
F47171	Stores a set of EDI demand header records, such as Branch/Plant, Sold To, Ship To and Release Number values.
F47172	Stores line items from an EDI message.
F47173	Stores shipping and delivery dates, times, and quantities.
F471721	Stores user defined information specific to the implementation and customer.
F471731	Stores packaging information, such as weight and number of packages.
F471722	Stores address information.
F471723	Stores contact information.
F471724	Stores contact phone numbers

Creating an EDI Demand Header Record

This section lists the prerequisites and discusses how to create a header record.

Prerequisite

Ensure that you have set up the following user-defined codes (UDCs):

- Transaction Type (00/TT)
- Record Type (00/RD)
- EDI - Transaction Set Number (40/ST)

Forms Used to Create a Header Record

Form Name	Form ID	Navigation	Usage
Work With EDI Demand Headers	W47171A	EDI Inbound menu (G40R11), Inbound EDI Maintenance	Locate EDI inbound header records
EDI Demand Header Revisions	W47171B	On Work With EDI Demand Headers, click Add.	Create an EDI demand header record

Creating a Header Record

Access the EDI Demand Header Revisions form

EDI Demand Header Revisions form

EDI Demand Header 1

Select the EDI Demand Header 1 Tab.

Record Type

The identifier that marks EDI transaction records as header and detail information. This is an EDI function only.

Document Number

The document number that is assigned by the transmitter in an EDI transaction. In a non-EDI environment, this would be consistent with the order number assigned at order entry time (DOCO).

EDI - Document Type

The document type that is assigned by the transmitter in an EDI transaction.

In a non-EDI environment, this would be consistent with the order type (DCTO) assigned at order entry time, an invoice document type, a voucher document type, and so forth.

EPC Header 2

Select the EPC Header 2 Tab.

Text Reference Number	A number that is contained in an EDI message that associates the text with EDI message type 864.
Successfully Replaced by Ship To	A code that indicates that the EDI file has replaced the value in the Demand By Ship To field. Values are: Blank: The EDI file has not successfully replaced the value. <i>I</i> : The EDI file successfully replaced the value.

EPC Header 3

Select the EPC Header 3 tab.

Translation Format	The qualifier used to identify a specific mapping structure used to process both inbound and outbound EDI transactions. This does not apply to non-EDI transactions.
Number of Detail Lines	The number of detail lines transmitted in an EDI transaction. This is the total number of lines on a per order basis, number of lines included on an invoice, and so forth.
Record Sequence	An identifier that is used to assign the relative position within the header or detail information of an EDI transaction (for example, H01, H02, D01, and so forth).

Revising EDI Demand Detail Information

This chapter provides an overview of demand detail information and discusses how to:

- Enter item shipment information.
- Revise last shipped and received values for a customer.
- Revise cumulative information.
- Revise destination information.
- Revise miscellaneous information.
- Revise category codes.
- Revise EDI information.

Understanding EDI Demand Detail Information

After demand header records are entered manually or automatically into the system, you can review and change the EDI detail information as necessary before updating the Demand Scheduling (40R) tables. EDI demand detail information focuses on the line items from an EDI message. Demand detail information includes the values for firm demand (sales orders) and planned demand (forecasts), including customer quantities, customer dates, and the customer purchase order number. Using this information, you can compare releases and perform net change and variance reporting and processing.

From the Work With EDI Demand Detail (W47172A) form, you can access the following forms to revise data:

- EDI Demand Detail Revisions (W47172B)
- Work with EDI Demand Schedule (W47172C)
- EDI Demand Address Revisions (W47172G)
- EDI Demand Supplemental Data Revisions (W47172E)

You can also add attachment to demand detail records.

The system uses the following tables for processing EDI demand detail information:

- F47172
- F471721
- F471722
- F471723
- F471724

Forms Used to Revise EDI Demand Detail Information

Form Name	Form ID	Navigation	Usage
Work With EDI Demand Headers	W47171A	EDI Inbound menu (G40R11), Inbound EDI Maintenance	Locate EDI inbound header records.
Work With EDI Demand Detail	W47172A	On Work with EDI Demand Headers, locate a record and select Demand Detail from the Row menu.	Locate EDI demand detail records.
EDI Demand Detail Revisions	W47172B	On Work With EDI Demand Detail, select Detail Revisions from the Row menu.	Enter item shipment information, cumulative values, destination information, miscellaneous information, category codes, and EDI information.

Entering Item Shipment Information

Access the EDI Demand Detail Revisions form

Select the Shipment tab.

Item Revision

A reference number used to identify the revision level of the customer's item.

In item cross-reference, translating a customer or supplier external item number to the internal short item number, the customer's number only is not always sufficient. In some instances, the customer part number must be used in conjunction with the item revision level. This combination enables the system to uniquely identify the customer's item.

Dock	The dock location from which an outbound shipment is assigned to depart or at which an inbound shipment is assigned to arrive.
Deliver To	The address number of the person who receives the goods ordered. The delivered to address might differ from the ship to address when ordered goods are processed through a distribution center (which is the delivered to address) before reaching their final destination (the ship to address).

Revising Last Shipped and Received Values for a Customer

Access the EDI Demand Detail Revisions form

Customer Values

Select the Customer Values tab.

UoM	The unit of measure (for example, EA for eaches) that has been specified for the cumulative quantity (as indicated on the advanced ship notice) of an item that was shipped to the customer.
Date	The date on which the cumulative quantity of an item (as indicated on the advanced ship notice) was shipped to the customer.

Revising Cumulative Information

Access the EDI Demand Detail Revisions form.

CUM 1

Select the CUM 1 tab.

CUM Quantity Flag	A code that specifies whether the quantities are cumulative quantities or net quantities. Values are: Blank: The quantities are net quantities. I: The quantities are cumulative quantities.
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Revising Destination Information

Access the EDI Demand Detail Revisions form.

Destination

Select the Destination Tab

Number	A number that identifies an assembly. The system uses this number for production sequencing.
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Line Feed	A value that is received from the customer's EDI set/message. This value identifies an actual receiving location on an automotive assembly line for delivery of the product.
Reserve Line Feed	A value that is received from the customer's EDI set/message. This value identifies an actual receiving location on an automotive assembly line for delivery of the product.

Revising Miscellaneous Information

Access the EDI Demand Detail Revisions form.

Miscellaneous

Select the Misc tab.

Part Release Status Code	A code from the EDI transaction set/message that indicates to the supplier that the customer is sending a final release on the part.
Ultimate Customer's Article Number	A number that the customer assigns to an article.

Revising Category Codes

Access the EDI Demand Detail Revisions form.

Category Codes

Select the Category tab.

Category Code 01	A three-character category code (40R/01) that is reserved for customer use.
Reference 1	A number that identifies a demand entity.

Revising EDI Information

Access the EDI Demand Detail Revisions form.

EDI

Select the EDI tab.

Translation Format	The qualifier used to identify a specific mapping structure used to process both inbound and outbound EDI transactions. This does not apply to non-EDI transactions.
Number of Detail Lines	The number of detail lines transmitted in an EDI transaction. This is the total number of lines on a per order basis, number of lines included on an invoice, and so forth.
Batch Number	The number that the transmitter assigns to the batch. During batch processing, the system assigns a new batch number to the PeopleSoft transactions for each control (user) batch number it finds.

Revising EDI Demand Scheduling Detail Information

This section contains an overview and discusses how to:

- Revise demand scheduling detail information.
- Revise supplemental data information.
- Revise packaging information.
- Revise addresses for EDI demand records.
- Revise contact information for EDI demand records.
- Revise packaging information.

Understanding EDI Demand Scheduling Detail Information

EDI demand scheduling detail information focuses on shipping and delivery dates, times, and quantities. You can revise packaging information, supplemental data information, and address contact information. From the Work With EDI Demand Schedule form (W47172C), you can access the following forms to revise EDI demand information:

- EDI Demand Schedule Revisions (W47172D)
- EDI Demand Packaging Revisions (W47172J)
- EDI Demand Address Revisions (W47172G)
- EDI Demand Supplemental Data Revisions (W47172E)

The system uses the following tables for processing EDI demand scheduling detail information:

- F47173
- F471721
- F471722
- F471723
- F471724

Forms Used to Revise EDI Demand Scheduling Detail Information

Form Name	Form ID	Navigation	Usage
Work With EDI Demand Headers	W47171A	EDI Inbound menu (G40R11), Inbound EDI Maintenance	Locate EDI inbound header records.
Work With EDI Demand Detail	W47171B	On Work With EDI Demand Headers, locate the record and select Demand Detail from the Row menu.	Locate EDI demand detail records.
Work With EDI Demand Schedule	W47172C	On Work with EDI Demand Detail, select Demand Schedule from the Row menu.	Locate EDI demand schedule records.

Page Name	Object Name	Navigation	Usage
EDI Demand Schedule Revisions	W47172D	On Work With EDI Demand Schedule, locate a record and click Select.	Revise EDI demand scheduling detail, shipping, category codes, and EDI information.
EDI Demand Supplemental Data Revisions	W47172E	On Work With EDI Demand Schedule, select Supplemental from the Row menu.	Revise supplemental data information for EDI Demand Scheduling.
EDI Demand Packaging Revisions	W47172J	On Work With EDI Demand Headers, locate the record and select Demand Detail from the Row menu. On Work With EDI Demand Detail, select Demand Schedule from the Row menu. On Work With EDI Demand Schedule, locate a record and select Packaging Revision from the Row menu.	Revise packaging information for EDI demand scheduling.
EDI Demand Address Revisions	W47172G	On Work With EDI Demand Headers, locate the record and select Demand Detail from the Row menu. On Work With EDI Demand Detail, locate a record and select Addresses Revision from the Row menu.	Revise addresses for EDI demand records.
EDI Demand Contact Names Revisions	W47172H	On Work With EDI Demand Headers, locate the record and select Demand Detail from the Row menu. On Work With EDI Demand Detail, locate a record and select Addresses Revision from the Row menu. On EDI Demand Addresses Revisions, select Contact Names from the Row menu.	Revise contact information for EDI demand records.
EDI Demand Contact Numbers Revisions	W47172I	On EDI Contact Names Revisions, select Contact Numbers from the Row menu.	Revise contact number information.

Revising Demand Scheduling Detail Information

Access the EDI Demand Schedule Revisions form.

Demand Information

Select the Demand tab.

Frequency	A code from the EDI transaction set/message that indicates the frequency of demand.
Pattern	A user-defined value (within an EDI message) that determines the shipment pattern of the demand. For example, you might enter <i>13</i> to indicate ship on Monday.

Revising Supplemental Data Information

Access the EDI Demand Supplemental Data Revisions form.

Type Data	A code that you assign to supplemental data so that you can group data by categories. Values are: <i>A</i>: Approval steps <i>B</i>: Requisition requirements <i>C</i>: Interview process <i>N</i>: Requisition notes
Addl Date	A date that can be used with supplemental data information. For example, you can enter a verification date in this field to show when information was last reviewed and possibly updated.
User Def Days	The days associated with the code that you define for this supplemental data type. For example, engineering change order leadtime days represent an association.
S P	An option that indicates whether a record has been successfully processed. Depending on the program, the system updates the EDSP field in a table. Values are: Blank: The record has not been processed. <i>1</i>: The record has been successfully processed.

Revising Packaging Information

Access the EDI Demand Packaging Revisions form.

Standard Pack	A number that indicates the standard quantity within a container.
Type of Packages ID	A code that identifies the type of packaging to use when you ship an item.

Revising Addresses for EDI Demand Records

Access the EDI Demand Addresses Revisions form.

Party Type	A code that identifies the type of party in an EDI message. This code is typically the first element of the N1 segment of an X12 transaction set.
ID Type	A user defined code (40R/ID) that indicates the type of identification number.

Party ID A code that identifies the party in an EDI message. This code is typically the fourth element of the N1 segment of an X12 transaction set.

Revising Contact Names for EDI Demand Records

Access the EDI Demand Contact Names Revisions form.

Contact Type A UDC (40R/CT) that identifies the type or purpose of a contact. For example, you can set up codes to identify a contact as an expeditor or as an information contact.

Translation Format The qualifier used to identify a specific mapping structure used to process both inbound and outbound EDI transactions. This does not apply to non-EDI transactions.

Revising Contact Number Information

Access the EDI Demand Contact Numbers Revisions form.

Contact Number An alphanumeric code that is associated with a contact. Examples are a telephone number or an email address.

Phone Type A UDC (40R/PT) that identifies the type of contact number. For example, you can set up a code to represent a telephone contact.

Running the EDI Inbound Demand Edit/Update Report (R47171)

From the EDI Inbound menu (G40R11), select Inbound Demand UBE.

You run the EDI Inbound Demand Edit/Update batch program to update the demand and cumulative tables with EDI information. This process is useful for comparing a supplier and customer's cumulative quantities. Updating the cumulative and demand tables consists of the following steps:

1. Validating the following information in the F47171 table:
 - Branch/Plant
 - Sold To
 - Ship To
2. Validating the following information in the F47172 and F47173 tables:
 - Item
 - Demand Header
 - Demand Processing Cross Reference
3. Launching a workflow process that executes multiple customer-specific business processes.
4. Updating the CUM and demand tables with the values from the EDI (47) tables.

You can also run this program from the Inbound Flat File Conversion program (R47002C) after loading EDI demand data into the EDI database tables.

Purging EDI Demand Records

From the Demand Advanced and Technical Ops menu (G40R31), select EDI Demand Purge.

You can purge the processed EDI records to reduce the size of the EDI tables. The EDI Demand Purge program (R47190) determines which EDI header records have been successfully processed and deletes all the header record and its child records.

CHAPTER 4

Working with Demand Records

This chapter provides overviews of demand records, preferences, and net variance, and discusses how to:

- Set up demand rules for demand scheduling.
- Cross-reference EDI codes to the demand type.
- Set up demand scheduling workflow.
- Run the Launch Demand Net Variance Workflow (R40R1110).
- Create demand header records manually.
- Revise demand detail records.
- Enter address and contact information for demand records.
- Enter supplemental database information for demand scheduling.
- Review demand history records.
- Purge demand history records.

Understanding Demand Records

A demand record stores the information that you use to maintain the requirements, scheduling information, rules, and other default information that is relevant to suppliers and customers. The following information describes the components of a demand record.

Demand Rules

Includes demand data and cumulative quantities, and defines how requirements are updated during the shipping process.

Preferences

Includes scheduling fence dates, forecast dates, tolerances, pack rounding, and so forth. You can manage business requirements and link all of the preferences to one schedule.

Demand Header

Contains the default information that is relevant to a specific branch/plant, Sold To, Ship To, and item number for a demand requirement. Typically, information for demand records is created automatically using electronic data interchange (EDI).

Demand Detail

Includes the schedule information for firm demand (sales orders) and planned demand (forecasts), including quantities, dates, and the customer purchase order number.

Demand Packaging

Contains packaging information that is associated with a demand record.

Demand Addresses and Contacts

Contains addresses, contact names, and phones.

Demand History

Contains a snapshot of demand detail and demand address information, and distinguishes this information based on the date and time the snapshot was created.

Supplemental Demand

Stores information that is not included in the standard master tables. Examples of supplemental data include remarks, amounts, dates, codes, and times.

Demand Inactivity Analysis

Identifies items that have been inactive for a specified period of time, or are obsolete, or which may have errors that prevent processing.

The system uses the following tables when processing demand records:

- F40R10
- F40R11
- F40R13
- F40R14
- F40R143
- F40R141
- F40R142
- F40R41

Understanding Preferences for Demand Scheduling

You can set up preferences to handle different business requirements and link all of the preferences to one schedule. The following information describes the preferences you can set up for demand scheduling.

Scheduling Fences (Preference Type 27)

You can set up two fences when creating sales orders and forecasts. You set up the firm shipment fence to specify the number of demand days for which you create sales orders. You set up the planned forecast fence to specify the number of days for which you create forecasts. The criteria that you use is Sold To, Ship To, and item.

Forecast Dates (Preference Type 28)

Usually, customers send only a single date when dealing with planned demand. To generate the forecast record, you can set up a preference that specifies how a customer sends their planning demand. The system uses the following values for this purpose:

- Month Calculation
- Month Begin/End
- Week Begin/End
- Anchor Day of Week

Net Variance Tolerance (Preference Type 31)

When you set up net variance, you specify how the system processes the following types of information:

- Tolerance level
- Notification level
- Critical indicator

This information helps you determine when the variance is considered significant and whether to issue a notification. For example, if the net variance setting is greater than the notification level, the system can send a notification message. You use the critical indicator to attach a ranking significance to the percentage amount.

Round to Standard Pack (Preference Type 32)

Most customers want their suppliers to ship items in a standard pack quantity. For example, if a standard pack is 100 pieces in a carton, and the customer orders 75, the supplier must ship 100 pieces. You can specify whether the Round to Standard Pack option is active when you create a demand header record. You set up this preference based on the Sold To, Ship To, and item values.

Acknowledgment Notification (Preference Type 33)

The EDI acknowledgment message indicates acceptance or rejection of a previously sent EDI message, such as the Advanced Ship Notice or the invoice. This preference returns an address book number of a person to be notified. You set up this preference using the Sold To, Ship To, Acknowledgment Code, and Message Being Acknowledged values.

ASN Tracking Workflow (Preference Type 34)

Typically, when the customer receives the ASN, they send back an EDI Acknowledgment to the supplier indicating acceptance or rejection of the ASN. You set up this preference to specify how long to wait for the returning ASN before sending a message indicating that an EDI Acknowledgment message has not been received. The system sends the message to the appropriate address book number. You set this preference up based on the Sold To and Ship To values.

Message Notification (Preference Type 35)

You use this preference to specify which address book number to use for sending notifications. You can set up this preference based on the following criteria:

- Branch/Plant
- Sold To/Ship To
- Notification Field:

- 00 = Net Variance
- 01 = Sales Orders
- 02 = Forecast/Planning
- 03 = INVRPT (Inventory Advisement)
- 04 = ASN
- 05 = CUM
- 06 = Adjust Demand
- 07 = Inbound Demand
- 08 = Acknowledgments
- 09 = EDI Maintenance

EDI Advance Ship Notice (Preference Type 36)

You use this preference to specify whether workflow runs and to whom the system sends the message. This preference is based on the following values:

- Ship-To/Sold-To
- Acknowledgment Code
- Message Being Acknowledged

For example, you set up preferences to run workflow for all Sold-To and Ship-To values, but only for Advance Ship Notices that are rejected. If the system receives an acknowledgment with an *R* (rejected) acknowledgment code for an 856 Message Being Acknowledged, the system sends you a workflow message that contains a link to the appropriate record on the Work with EDI Acknowledgments form (W47191A).

Label Processing (Preference Type 37)

You use this preference to activate label processing at the branch/plant level. You specify the party ID (values for Party Type 1 and 2) in the F40R14 table to retrieve for outbound label data. An example of a party ID is the supplier code or plant code.

For inbound label data, you specify the version for Carton Reorganization (P4620), and specify whether to automatically allocate sales order quantity to cartons. You must also specify the name of the third-party that processes the XAPI response.

Label Serial Numbers (Preference Type 38)

You use this preference to specify the label next number for outbound and inbound labels, as well as UCC128 information for inbound labels, including:

- Company UCC code
- SSCC document company
- SSCC document type
- Label generation function
- Label validation function
- Electronic product codes (EPC)

Carton Label (Preference Type 39)

You use this preference to specify whether a carton code should be assigned a label serial number. Label numbers creation must be on in either the Label Serial Number (38) preference or the version for Carton Reorganization (P4620). This preference is useful when items are packaged in multiple cartons but only outer cartons are labeled.

For example, if packaging for an item consists of a box, carton and pallet, you can specify whether to generate a label number for the pallet, for the pallet and carton, or for the pallet, carton and box.

Understanding Demand Net Variance

Net variance is the percent variation between current and previous order quantities for an item. You can specify net variance information at the item or customer level and use it to prepare for unexpected demand changes. For example, you can specify whether to alert a supplier if requirements change significantly as the supplier's ship date approaches, regardless of whether the change is an increase or decrease in order quantities.

You set up how the system processes net variances on the Net Variance tab in the Demand Maintenance (P40R10) processing options. You specify how the system processes the following types of information:

- Tolerance level
- Notification level
- Critical indicator

When you set up net variance, you determine net variance days from the requested ship date, demand period, and demand processing type. This information helps you determine when the variance is considered significant and whether to issue a notification. For example, if the net variance setting is greater than the tolerance level, the system considers this difference as a significant change and displays net variance and critical ID information on the Work with Demand Detail form and on the Shipment tab on the Demand Detail Revisions form.

If the net variance setting is greater than the notification level, the system can send a notification message to an address book to alert you of the change. You can use the critical indicator to attach a ranking significance to the percentage amount.

Setting Up Demand Rules for Demand Scheduling

This section provides an overview of demand rules and discusses how to set up demand rules:

Understanding Demand Rules

Demand rules affect how the system processes demand data and cumulative quantities, as well as how requirements are updated during the shipping process. For example, demand rules enable you to:

- Specify the day on which a customer's week begins, allowing you to determine whether a demand record is associated with the current week or the prior week.
- Adjust shipment dates for nonworking days.
- Increase or decrease cumulative quantities when updating the cumulative quantity shipped.

- Replace the existing demand with the new demand that is associated with a particular Ship To record.
- Calculate ahead or behind values to adjust the demand before you create the sales order.
- Establish shipment and delivery times based on the branch/plant, Ship To, or Sold To time zones.

You set up demand rules at a customer and Ship To level, and needs to occur only once for each customer.

The system uses the following tables when processing demand rules:

- F40R12
- F40R42
- F40R12WF
- F40R20
- F40R23
- F40R24

Forms Used for Setting Up Demand Rules

Form Name	Form ID	Navigation	Usage
Work With Demand Rules	W40R20A	Demand/CUMs menu (G40R411), Demand Rules	Locate demand rules.
Demand Rules Revisions	W40R20B	On Work With Demand Rules, click Add.	Set up demand rules.

Setting Up Demand Rules

Access the Demand Rules Revisions form.

Demand Rules - Demand Rules Revisions

OK Cancel Tools
  

Sold To *Centarian Enterprises*

Ship To

Branch/Plant

Weekly Start Day *Sunday*

CUM Adjustment Code for Shipments

Demand Time Zones Versions

☐ Replace by Ship To
☐ Calculate Ahead/Behind - Firm
☐ Calculate Ahead/Behind - Plan
☐ Put Sales Order on Hold
☐ Remove Partial Shipped Demand

Adjust Ship Date for Non-Work Days
☒ Don't Adjust
☐ Adjust Backward
☐ Adjust Forward

Demand Rules Revisions (1 of 2)

CUM ☐ Add Old Demand to CUM Required ☐ Replace CUM Required ☐ Use Prior Day CUM Shipped ☐ Add Line to CUM Shipped	CUM Shipped Quantity ☒ Increment ☐ Decrement
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Demand Rules Revisions (2 of 2)

Branch Plant

An alphanumeric code that identifies a separate entity within a business for which you want to track costs. For example, a business unit might be a warehouse location, job, project, work center, branch, or plant.

You can assign a business unit to a document, entity, or person for purposes of responsibility reporting. For example, the system provides reports of open accounts payable and accounts receivable by business unit to track equipment by responsible department.

Business unit security might prevent you from viewing information about business units for which you have no authority.

Sold To

(Optional) A user-defined name or number that identifies an address book record. You can use this number to locate and enter information about the address book record. If you enter a value other than the address book number, such as the long address or tax ID, you must precede it with the special character that is defined in the Address Book constants. When the system locates the record, it returns the address book number to the field.

For example, if address book number 4100 has a long address TOTAL and an * distinguishes it from other entries, you could type *TOTAL into the field, and the system would return 4100.

Ship To

(Optional). If you complete the Ship To field, you must also complete the Sold To field.

Weekly Start Day

A user-defined code (UDC) (42/DW) that represents the day on which the customer's week begins. When the system removes outdated demand records, the system uses this code to determine whether a demand record is associated with the current week or the prior week.

CUM Adjustment Code for Shipments

A UDC (40R/CA) that identifies the type of adjustment that results from the shipment process.

Replace by Ship To

An option that determines whether the system replaces the existing demand with the new demand that is associated with a particular ship to record. If you do not select this option, then the system does not replace the existing demand.

Calculate Ahead/Behind - Firm

An option that determines whether you can adjust the demand by modifying either the quantity that you have already shipped (also known as ahead amount) or the quantity that you need to ship (also known as behind amount) in relation to the customer's requirements. If you select this option, then you can adjust the demand before you create the sales order.

Calculate Ahead/Behind - Plan

An option that determines whether you can adjust the demand by modifying either the quantity that you have already shipped (also known as ahead amount) or the quantity that you need to ship (also known as behind amount)

in relation to the customer's requirements. If you select this option, then you can adjust the demand before you create forecast records.

Put Sales Order on Hold

An option that determines whether the system places a sales order on hold when the cumulative quantity shipped has reached zero. If you do not select this option, then the system does not place the sales order on hold.

Note. Placing a sales order on hold when the cumulative quantity shipped has reached zero creates a difference in the actual quantity shipped versus the contract amount to be shipped.

Remove Partial Shipped Demand

An option that indicates whether the system removes a demand detail record when only a partial quantity of the required shipping quantity has been shipped. Some customers allow their suppliers to ship only part of the requirement and then consider the shipment complete. However, if the customer wants the remainder of the quantity, the customer adjusts for the quantity in the next EDI transmission. Customers who want the requirement to remain open until it is fully shipped also use adjustment processing, they access from the ship confirm EDI message.

Add Old Demand to CUM Required

An option that determines whether the system adds the quantity of the demand detail that was removed to the value in the CUM Required Priorfield when you run the Purge Demand History Record program (R40R094). If you do not select this option, then the system does not add the quantity of the demand detail that was removed to the value in the CUM Required Prior field.

Replace CUM Required

An option that allows the supplier to override the cumulative quantity of an item that the customer requires. If you select this option, the supplier can override the cumulative quantity.

Use Prior Day CUM Shipped

An option that determines whether the system displays the previous day's CUM quantity shipped on the bill of lading and the advanced shipping notice (ASN). If you do not select this option, then the system displays the CUM quantity shipped for only the current day.

Add Line to CUM Shipped

An option that you use to specify whether the system includes the quantity of the current line item when it calculates the cumulative total of items that were shipped. The system uses this option for the bill of lading and Advanced Ship Notice (ASN).

Don't Adjust

An option that you use to specify whether the system adjusts the ship date for non-work days when you run the schedule creation process. Values are:

Blank: The system does not adjust the ship date.

1: The system changes the ship date to an earlier date.

2: The system changes the ship date to a later date.

Increment

An option that specifies whether the system increases or decreases CUM quantities when updating the CUM quantity shipped. If you do not select this option, the system increases CUM quantities.

Decrement

An option that specifies whether the system increases or decreases CUM quantities when updating the CUM quantity shipped. If you do not select this option, the system increases CUM quantities.

Time Zones

Select the Time Zones tab.

Branch Plant

A code that identifies the type of time zone with which the system associates shipment dates for incoming demand. The system adjusts the date and time according to the time zone. Values are:

Blank: Branch/plant time zone

1: Sold-to time zone

2: Ship-to time zone

Versions

Select the Versions tab.

Sales Order Entry Version The version of the Sales Order Entry program (P4210) that the system uses when you run the Create Demand Schedule program (R40R010).

SO History Extract Version The version of the Refresh Actuals program (R3465) that the system uses.

Setting Processing Options for Demand Rules (P40R20)

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 PeopleSoft 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.

Default Values

This processing option enables you to specify how the system processes information when you add demand rules.

1. Weekly Start Day

Use this processing option to specify the default weekly start day (42/DW) to use in the Demand Rules program (P40R20) when adding a record. Values are:

0: Day Function Ignored

1: Sunday

2: Monday

3: Tuesday

4: Wednesday

5: Thursday

6: Friday

7: Saturday

Cross-Referencing EDI Codes to the Demand Type

This section provides an overview of cross references and discusses how to cross-reference EDI codes to the demand type.

Understanding EDI Cross References

When EDI data enters the system, the codes are used to identify the type and the frequency of the requirement. Requirement codes are standard within the EDI system, but their uses can vary, depending on each customer's business practices, as described in the following table:

Customer	EDI	Requirement Type	Requirement Frequency	Actual Use
Customer 1	X.12	C	D	Firm Daily
Customer 1	X.12	D	D	Plan Daily
Customer 1	X.12	D	W	Plan Weekly
Customer 2	X.12	C	C	Firm Daily
Customer 2	X.12	D	C	Plan Daily
Customer 2	X.12	D	W	Plan Weekly
Customer 3	EDIFACT	1	D	Firm Daily
Customer 3	EDIFACT	4	D	Plan Daily
Customer 3	EDIFACT	4	W	Plan Weekly

In order to handle these differences, you must set up a cross-reference record for each requirement type and requirement frequency combination. This record specifies the demand type (firm or plan) and the frequency of demand (such as daily). The system processes the Demand Type and the Demand Period fields to determine the requirement.

You can set up cross-references for all Branch/Plant and Sold To records, all Sold To records for a Branch/Plant, or for a specific Sold To record.

Prerequisites

Before you complete the tasks in this section:

- Set up UDC 40R/DT for the demand type and period.
- Set up UDC 40R/PD for the demand period.

Forms Used for Cross-Reference EDI Codes to the Demand Type

Form Name	Form ID	Navigation	Usage
Work With Demand Processing Cross Reference	W40R21A	Demand/CUMs menu (G40R411), Demand Cross Reference	Locate demand cross-reference records.
Demand Processing Cross Reference Revisions	W40R21B	On Work With Demand Processing Cross Reference, click Add.	Cross-reference EDI codes to the demand type.

Cross-Referencing EDI Codes

Access the Demand Processing Cross Reference Revisions form.

Demand Cross Reference - Demand Processing Cross Reference Revisions

Work With Demand Processing Cross Reference | Demand Processing Cross Reference Revisions

OK Cancel Previous Next Tools

Branch/Plant W30

Sold To 800001 RoadMax, Inc.

Requirement Type C

Requirement Frequency D

Demand Type F Firm Demand

Demand Period C Daily

Demand Processing Cross Reference Revisions form

Requirement Type	A code from the EDI transaction set/message that indicates the type of demand.
Requirement Frequency	A code from the EDI transaction set/message that indicates the frequency of demand.
Demand Type	A UDC (40R/DT) that specifies whether the demand is firm or planned. The demand type is used to determine how the system processes demand.
Demand Period	A UDC (40R/PD) that identifies the period of time for a demand record.

Setting Up Demand Scheduling Workflow

This section provides an overview of demand scheduling workflow and discusses how to set up demand scheduling workflow.

Understanding Demand Scheduling Workflow

You can set up workflow to run during the inbound demand process of editing and updating records. You can use a default workflow process that contains all the possible business functions that can be run during inbound demand processing. The default workflow process contains a list of all the possible business functions that can be run during the inbound demand process. If you do not need any of these business functions, you must duplicate the workflow process and then use the new workflow process to add or remove unnecessary business functions.

The system does not allow you to create or duplicate workflow processes in the Demand Workflow Maintenance program (P40R22). The workflow process you specify must be an existing workflow process in the F98800 table. However, information regarding the workflow process, such as workflow activities, is handled by the Process Master program (P98800) and is stored in other database tables.

The system stores demand workflow information in the F40R22 table.

Forms Used for Setting Up Demand Scheduling Workflow

Form Name	Form ID	Navigation	Usage
Work With Demand Workflow	W40R22A	Demand/CUMs menu (G40R411), Demand Workflow	Locate demand workflow records.
Demand Workflow Revisions	W40R22B	On Work with Demand Workflow, click Add.	Set up demand scheduling workflow.

Setting Up Workflow

Access the Demand Workflow Revisions form.

Process Name (Optional). The unique identifier for a process. If no value is entered, a next number is assigned. Once assigned, the value cannot be changed.

If you do not want to run a workflow for a specific Branch/Plant, Sold To, and Ship To combination, leave the Process Name field blank. Otherwise, the Process Name must be a valid workflow process name in the F98800 table.

Note. Although the Branch/Plant, Sold To, and Ship To fields are optional, if you enter a Ship To value, the Branch/Plant and Sold To must be completed. The same is true that if you enter a Sold To value, the Branch/Plant must also have a value.

Running the Launch Demand Net Variance Workflow (R40R1110)

You run this report automatically by specifying the version in the Launch Net Variance Workflow (R40R1110) processing option on the Versions tab in the processing options for Demand Maintenance (P40R10). You can run this report over specific batches of demand records to review net variance amounts that exceed the notification level for each record. If the system does not find matching Demand Detail records, the system will not launch the batch program.

Note. If you want to run the Create Demand Schedule batch program (R40R010) in addition to manually running the Launch Demand Net Variance Workflow batch application, you should run R40R1110 first. Depending on settings, the Create Demand Schedule program may delete demand detail records.

The system uses the F40R11 table for processing net variance workflow information.

Creating Demand Header Records Manually

This section provides an overview of manually-created demand header records and discusses how to create demand header records manually.

Understanding Manually-Created Demand Header Records

Typically, information for demand records is created automatically using electronic data interchange (EDI). You can also create demand header records manually and use the Work with Demand Header form to locate existing demand records to revise or delete entries. You can view information that relates to a specific customer, such as cumulative information, dates, times, and attachments.

You can also navigate among the various demand maintenance forms and applications, including:

- Work With Demand Detail (W40R10D)
- CUM Maintenance (P40R12)
- Demand History (P40R41)
- Demand Addresses (P40R14)
- Supplemental Data (P00092)

Note. If a header record does not already exist, the system automatically creates a demand header record when you create a demand detail record.

When creating a demand header record, you can add demand header attachments. To do so, select Header Attachment from the Form menu. You can also specify in the Demand Header Attachments processing option whether to automatically display the Media Objects form when creating records.

The system uses the following tables when processing demand records:

- F40R10
- F40R11

- F40R13
- F40R14
- F40R143
- F40R141
- F40R142
- F40R41

Prerequisites

Before you complete the tasks in this section:

- Ensure that you have set up the UDCs for Category Codes 1 - 10 (40R/01 - 40R/10) and Critical Indicator (40R/CI).
- Set up the Demand Maintenance processing options (P40R10) to specify how the system processes demand records. For example, you can specify information such as which forms to display when creating a record, which versions the system should use for demand processing, and the values for net variance processing.

Forms Used to Create Demand Header Records Manually

Form Name	Form ID	Navigation	Usage
Work With Demand Header	W40R10A	Demand/CUMs menu (G40R12), Demand Maintenance - Header	Locate demand header records.
Demand Header Revisions	W40R10B	On Work With Demand Header, click Add.	Create demand header records manually.

Creating Demand Header Records

Access the Demand Header Revisions form.

Demand Maintenance - Header - Demand Header Revisions

Work With Demand Header | **Demand Header Revisions**

OK Cancel Form Previous Next Tools

Demand Header | Category Codes

Sold To	4201	Centarian Enterprises	Branch/Plant	M30
Ship To	420101	RoadMax, Inc.		
Item Number	8801	Rear View Mirror		
Customer Item Number	880101	Rear View Mirror		

Default Customer PO		
Default Item Revision		☐ Round to Standard Pack - Firm
Vendor Part Number		☐ Round to Standard Pack - Plan
Last Shipment ID		

Last Customer Received			Last Customer Shipped		
Quantity	0	UoM	Quantity	0	UoM
Date			Date		
Time	0		Time	0	

Demand Header Revisions form

Customer Item Number

(Optional). The cross-reference item number that the system assigns to an item number. A cross-reference number allows you to use a supplier's item number if it is different from your own item number when you are processing an order or printing. You set up this number in the Item Cross-Reference program (P4104).

Default Customer PO

(Optional). A number that represents the default customer purchase order that the system uses in demand detail records when a customer purchase order has not been entered. The system also uses this number as a reference to the sales order or blanket sales order.

Default Item Revision

(Optional). A number that the system retrieves from the EDI transaction set or message. This revision level is based on the revision level for the item that is set up in the F4101 table. You can enter this number manually.

Vendor Part Number

(Optional). A number that identifies the vendor's part and is typically sent by the customer in an EDI message.

Last Shipment ID

(Optional). The number that identifies the last shipment that the customer has received.

Inventory Advisement

An option that indicates whether the customer processes inventory advisements. If you do not select this option, the customer does not process inventory advisements.

Note. Typically, customers who process inventory advisements use the EDI message type INVRPT.

Round to Standard Pack - Firm

An option that specifies whether the system rounds up firm quantities to the pack quantity for a standard carton. For example, assume that you have selected this option. If a customer whose standard pack quantity is a carton of 500 items requests a reduced shipment of 475 items, then the supplier must still ship 500 items.

You can set up an advanced preference to specify whether this option is activated by default when the system automatically creates a demand header record. You set this up using the Advanced Preferences Name Revisions program (P4071).

Round to Standard Pack - Plan

An option that specifies whether the system rounds up plan quantities to a standard carton pack quantity. For example, if a customer's standard pack requirement is 500, and they request a shipment of 475, the supplier must ship 500. If you leave this option blank, the system does not round up firm quantities to a standard carton pack quantity.

You can set up an advanced preference to specify whether this option is activated by default when the system is automatically creating a demand header record. You set this up using the Advanced Preferences Name Revisions program (P4071).

Revising Demand Detail Records

This section provides an overview of demand detail records and label information, and discusses how to:

- Add demand detail information.
- Revise shipment details.
- Revise EDI information for demand details.
- Revise miscellaneous demand detail information.
- Revise destination information.
- Revise pull signal information.
- Revise category codes for demand details.

Understanding Demand Detail Records

After demand header records are entered manually into the system, or automatically through electronic data interchange (EDI), you can review and change the detail information as necessary. Demand detail information includes the values for firm demand (sales orders) and planned demand (forecasts), including quantities, dates, and the customer purchase order number. Using this information, you can compare releases and perform net change and variance reporting and processing.

You differentiate demand detail records from each other based on the combinations of the Requested Ship Date, Requested Ship Time, Customer PO, Demand Processing and Demand Period fields, as shown in the following table:

Requested Shipment Date	Requested Shipment Time	Demand Type	Demand Period	Quantity
07/05	00:00:00	Firm	Daily	500
07/05	00:00:00	Plan	Weekly	2500
07/05	00:00:00	Plan	Monthly	15000

If a demand header record does not already exist, the system automatically creates one when you create a demand detail record.

From the Demand Detail Revisions form, you can access the following demand maintenance forms and applications:

- Demand Maintenance (P40R10)
- CUM Maintenance (P40R12)
- Demand History (P40R41)
- Demand Addresses (P40R14)
- Demand Packaging (P40R13)
- Label Data Submitted (W40R10F)
- Detail Attachments

The system uses the following tables when processing demand records:

- F40R10
- F40R11
- F40R13
- F40R14
- F40R143
- F40R141
- F40R142
- F40R41
- F00092

Understanding Label Information

When you submit label information, the system retrieves outbound label information for a demand detail row. Shipment information will be retrieved if a sales order has been created for the demand and assigned to a shipment.

The system uses the F40R11 table for processing label information.

Forms Used for Revising Demand Detail Records

Form Name	Form ID	Navigation	Usage
Work With Demand Detail	W40R10D	Demand/CUMs menu (G40R12), Demand Maintenance - Detail	Locate demand detail records.
Demand Detail Revisions	W40R10E	On Work With Demand Detail, click Add.	Add demand detail information and revise various details, such as shipment information, EDI, destination, and category codes.
Demand Packaging Revisions	W40R13B	On Work With Demand Detail, locate a record and select Demand Packaging from the Row menu.	Revise demand packaging information.
Label Data Submitted	W40R10F	On Work With Demand Detail, locate the record and select Submit Label Data from the Row menu.	Submit label information.

Adding Demand Detail Information

Access the Demand Detail Revisions form

Demand Maintenance - Detail - Demand Detail Revisions

OK Cancel Form Tools

Shipment EDI Miscellaneous Destination Pull Signal Category Codes

Branch/Plant M30

Sold To 4201 Centarian Enterprises

Ship To 420101 RoadMax, Inc.

Item Number 8801 Rear View Mirror

Customer Item Number 880101 Rear View Mirror

Demand Type P Planning Demand

Demand Period W Weekly

Net Variance 0,000

Critical ID

Requested Shipment

Quantity 1250

UoM EA Each

Date 01-05-04 to 01-09-04

Time 0

Demand Detail Revisions form (1 of 2)

Customer PO

Model Year

Item Revision Level

Dock ID

Deliver To

Demand Detail Revisions form (2 of 2)

Shipment

Select the Shipment tab.

Demand Type A UDC (40R/DT) that specifies whether the demand is firm or planned. The demand type is used to determine how the system processes demand.

Demand Period A code (40R/PD) that identifies the period of time for a demand record.

EDI

Select the EDI tab.

Number A number that identifies the release for a customer.

Date The date that the customer provides for a release. The system uses this date in conjunction with the release time to identify a release.

UoM The unit of measure in which an item was last shipped to the customer.

The system creates the header record when one does not already exist.

Note. When adding a demand detail record, you can add demand detail attachments. To do so, select Dmd Dtl Attachment from the Row menu. You can also specify in the Demand Detail Attachments processing option whether to automatically display the Media Objects form when creating records. You can also add a demand header record by selecting Dmd Hdr Attachment from the Form menu.

Revising Shipment Details

Access the Demand Detail Revisions form

Shipment

Select the Shipment tab.

Quantity The quantity of items that the customer has requested you to ship.

UoM A UDC (00/UM) that indicates the quantity in which to express an inventory item, for example, CS (case) or BX (box).

Dock ID The dock location from which an outbound shipment is assigned to depart or at which an inbound shipment is assigned to arrive.

Deliver To The address number of the person who receives the goods ordered. The delivered to address might differ from the ship to address when ordered goods are processed through a distribution center (which is the delivered to address) before reaching their final destination (the ship to address).

EDI

Select the EDI tab.

Type A code from the EDI transaction set/message that indicates the type of EDI message.

Subset A secondary name of the EDI transaction or message.

Name The name of an EDI X.12 transaction set of an EDIFACT message. For example, the name might be 830 or DELFOR.

Purpose A code (47/PU) that identifies the purpose of the transaction set. The first character of the second description in that table controls how the transaction is processed. Refer to ANSI X.12 Data Item 353.

Start The date that specifies the beginning of a schedule period. For example, if a customer issues eight weeks of requirements for the months of June and July, the horizon start date is 06/01.

End A date that specifies the end of a schedule period. For example, if a customer issues requirements for eight weeks during the months of June and July, the horizon end date is 07/31.

Type A code from the EDI transaction set/message that indicates the type of demand.

Frequency A code from the EDI transaction set/message that indicates the frequency of demand.

Demand Pattern A user-defined value (within an EDI message) that determines the shipment pattern of the demand. For example, you might enter 13 to indicate ship on Monday.

Miscellaneous

Select the Miscellaneous tab.

Contract Number A unique number assigned by the company to identify a particular contract.
A contract is defined as a legally enforceable promise and must include the following factors: an offer, an acceptance, consideration, legality of subject matter, capacity of parties to execute, and more. You may wish to assign some significance to the contract number (such as a contract type code, state, year, and so forth). A contract may have multiple supplements (field GSUP) to record addendums or changes.

Customer Order Number A customer-assigned reference number that identifies an order.

Hazardous Goods Classification A code that the customer creates for identifying the type of hazardous goods.

Labor Hours The number of working hours in the order cycle.

Part Release Status Code	A code from the EDI transaction set/message that indicates to the supplier that the customer is sending a final release on the part.
Text Reference Number	A number that is contained in an EDI message that associates the text with EDI message type 864.
Ultimate Customer's Article Number	A number that the customer assigns to an article.
Quantity Canceled	The number of units that were canceled during in sales order or work order processing, using either the entered or the primary unit of measure that were defined for this item. In manufacturing, this can also be the number of units scrapped to date.
Create Sales Order Status	A code that the system uses to track the status of a demand record throughout the processes of creating sales orders and creating schedules. Values are: Blank: The system has not submitted the demand record for the creation of a sales order. 0: The system has processed the demand record successfully. 1: The system has submitted the demand record for processing. 2: An error occurred during processing. 3: The system successfully processed the demand record, and the demand record is now outside of the schedule fence.

Destination

Select the Destination tab.

Number	A number that identifies an assembly. The system uses this number for production sequencing.
Line Feed	A value that is received from the customer's EDI set/message. This value identifies an actual receiving location on an automotive assembly line for delivery of the product.
Reserve Line Feed	A value that is received from the customer's EDI set/message. This value identifies an actual receiving location on an automotive assembly line for delivery of the product.
Line Location	A code that identifies a location in the customer's production line.
Route	A code that represents a sequence of points at which goods are collected on the assembly line.
Suffix	The suffix from the EDI transaction set/message that identifies the sequence of points where goods are collected.
Date	The date an item will be delivered to the customer.
Time	The promised time for a delivery. Enter the time using the 24-hour time format (HHMMSS). For example, enter 6:00 a.m. as <i>060000</i> , and enter 7:00 p.m. as <i>190000</i> .

Revising Demand Packaging Information

Access the Demand Packaging Revisions form.

Typically, packaging information is sent through EDI and contains the Sold To packaging instructions that is required within the ASN or bar-coding system. The demand record must have a specific Sold To, Ship To, and item number within the demand detail in order to revise packaging information.

Type of Packages ID	A code that identifies the type of packaging to use when you ship an item.
Standard Pack	A number that indicates the standard quantity within a container.
UoM	A UDC (00/UM) that indicates the quantity in which to express an inventory item, for example, <i>CS</i> (case) or <i>BX</i> (box).

Submitting Label Information

Access the Label Data Submitted form.

Demand Maintenance - Detail - Label Data Submitted

OK Cancel Tools

Press OK to submit outbound label data for the following information:

Branch/Plant	M30	
Demand Type	P	Planning Demand
Demand Period	W	Weekly
Sold To	4201	Centarian Enterprises
Ship To	420101	RoadMax, Inc.
Customer PO		
Item Number	8801	Rear View Mirror
Requested Ship Date	01-05-04	
Requested Ship Time	0	

Detail - Label Data Submitted form

Entering Address and Contact Information for Demand Records

This section provides an overview of address and contact information and discusses how to enter:

- Demand address information.
- Demand contact information.
- Demand contact phone information.

Understanding Address and Contact Information for Demand Records

You can enter address book and contact information that is unique to demand scheduling, and store this information at the demand header or detail level. You use these addresses to represent different types of parties. For example, a demand address can represent a buyer, a seller, a carrier, an expeditor, or transit principal.

For each demand address you enter, you can add contact information, such as a contact person or general office expeditor, as well as telephone contact information.

Note. In the Demand Maintenance (P40R10) processing options, you can use the Demand Header Addresses and the Demand Detail Addresses processing options on the Process tab to specify whether to automatically display the Demand Header Address or the Demand Detail Addresses forms when adding a demand header or detail record.

The system stores demand address and contact information in the F40R14 table. You can also cross-reference common addresses, such as plants or customer numbers, with the Address Book system, as applicable.

Forms Used for Entering Address and Contact Information for Demand Records

Form Name	Form ID	Navigation	Usage
Work With Demand Header	W40R10A	Demand/CUMs menu (G40R12), Demand Maintenance - Header	Locate demand header records.
Work With Demand Addresses	W40R14A	Work With Demand Header, locate a record and select Demand Address from the Row menu.	Locate demand address records.
Demand Address Revisions	W40R14B	Work With Demand Addresses, click Add.	Enter demand address information.
Demand Contact Name Revision	W40R141B	On Work With Demand Addresses, locate the record and select Demand Contacts from the Row menu.	Enter contact information.
Demand Contact Phone Revisions	W40R141A	On Demand Contact Name Revision, select Demand Contact No from the Row menu.	Enter contact phone information.

Entering Demand Address Information

Access the Demand Address Revisions form.

Party Type	A code that identifies the type of party in an EDI message. This code is typically the first element of the N1 segment of an X12 transaction set.
ID Number Type	A UDC (40R/ID) that indicates the type of identification number.
Party ID	A code that identifies the party in an EDI message. This code is typically the fourth element of the N1 segment of an X12 transaction set.

Entering Demand Contact Information

Access the Demand Contact Name Revisions form.

Contact Type	A UDC (40R/CT) that identifies the type or purpose of a contact. For example, you can set up codes to identify a contact as an expeditor or as an information contact.
Contact Name	The name of the caller, customer, or other contact.
Contact Name ID	An alphanumeric value that is associated with a contact name.

Entering Demand Contact Phone Information

Access the Demand Contact Phone Revisions form.

Phone Type	A UDC (40R/PT) that identifies the type of contact number. For example, you can set up a code to represent a telephone contact.
Contact Number	An alphanumeric code that is associated with a contact. Examples are a telephone number or an email address.

See Also

PeopleSoft EnterpriseOne Address Book 8.11 PeopleBook, “Entering Address Book Records”

Entering Supplemental Database Information for Demand Scheduling

This section provides an overview about entering supplemental database information used in demand scheduling.

Understanding Supplemental Database Information for Demand Scheduling

You use supplemental data to store information that is not included in the standard master tables. Examples of supplemental data include remarks, amounts, dates, codes, and times. For demand scheduling, you can store user-defined text and user-defined time.

The information you set up in the supplemental database for the Demand Maintenance program (P40R10) is accessible only from the Work With Demand Header (W40R10A) and Work With Demand Detail (W40R10D) forms.

The system can store supplemental data at the demand header or detail level. The supplemental data codes are:

- DH (demand header)
- DD (demand detail)

The system uses the following tables when processing supplemental data:

- F00091

- F00092

See Also

PeopleSoft EnterpriseOne Address Book 8.11 PeopleBook, “Setting Up the Address Book System,” Setting Up Supplemental Data

Reviewing Demand History Records

This section provides an overview of demand history and discusses how to review demand history records.

Understanding Demand History Records

The system maintains a snapshot of demand detail and demand address information, and distinguishes this information based on the date and time the snapshot was created. The Demand History program (P40R41) is for inquiry only. You cannot modify history records written to the F40R41 table.

Forms Used for Reviewing Demand History Records

Form Name	Form ID	Navigation	Usage
Work With Demand History	W40R41C	Demand/CUMs menu (G40R21), Demand History	Locate demand history records.
Demand History Inquiry	W40R41D	On Work With Demand History, locate the record and click Select.	Review demand history.

Reviewing Demand History

Access the Demand History Inquiry form.

Demand History - Demand History Inquiry

Cancel Form Tools

Shipment EDI Miscellaneous Destination Pull Signal Category Codes

Branch/Plant M30

Sold To 4201 Centarian Enterprises

Ship To 420101 RoadMax, Inc.

Item Number 8801 Rear View Mirror

Customer Item Number 880101 Rear View Mirror

Demand Type P Planning Demand

Demand Period W Weekly

Net Variance 0,000

Critical ID

Requested Shipment

Quantity 1250

UoM EA Each

Date 01-05-04 to 01-09-04

Time 0

Demand History Inquiry form (1 of 2)

Actual Shipment

Customer PO

Model Year 1 0

Item Revision Level

Dock ID

Deliver To

Number

Quantity

Date

Time 0

Demand History Inquiry form (2 of 2)

Note. This form is for informational purposes only.

Purging Demand History Records

This section provides an overview of demand history purge and discusses how to purge demand history records.

Understanding the Demand History Purge

You use data selection to determine which records to delete. You can use the processing options on the Process tab to specify whether to archive purged information. The system will not archive supplemental data information.

The system purges information from the following tables:

- F40R41

- F40R143
- F00092

Purging Demand History

Demand Advanced and Technical Ops menu (G40R31), Purge Demand History.

CHAPTER 5

Working with Cumulative Information for Demand Scheduling

This section provides an overview of cumulative information for demand scheduling and discusses how to:

- Set up a product cumulative model.
- Set up a carton cumulative model.
- Revise cumulative records.
- Review cumulative history.
- Calculate ahead-behind amounts.
- Verify cumulative totals.
- Reset cumulative values using CUM Rollback.

Understanding Cumulative Information for Demand Scheduling

You can use cumulative processing to communicate current and forecasted requirements for accumulated quantities of goods from the start of a blanket purchase order to a particular future date. For example, you can send and receive notifications regarding year-to-date quantities received, quantities required, and quantities shipped.

When working with cumulative records, you can perform the following types of tasks:

- Track cumulative information using product or carton models.
- Increment or decrement the values for the cumulative amounts shipped.
- Calculate Ahead and Behind values.
- Manually add, update, or delete cumulative records.
- View cumulative history.
- Reset (roll back) cumulative records to a specified date.

You can create cumulative data automatically by using the EDI Inbound Demand Edit/Update program (R47171) or manually by using the CUM Maintenance program (P40R12). The system uses the following tables to process cumulative information for demand scheduling:

- F40R12
- F40R42

- F40R12WF
- F40R20
- F40R23
- F40R24

Setting Up Product Cumulative Models

This section provides an overview of product cumulative models and discusses how to set up a product cumulative model.

Understanding a Product Cumulative Model

Because each customer may wish to track this information differently for each branch/plant record, you can specify whether to track by Branch/Plant, Branch/Plant and Sold To, or Branch/Plant, Sold To, and Ship To. You can then specify whether the customer tracks information specific to a Ship To, Customer PO, or any combination of three user-defined fields.

For example, a customer may track cumulative quantities at a Ship To and Model Year level. To set up this type of model, you would use the Ship To option and enter the user-defined code (UDC) associated with Model Year in User Field 1.

You can associate each cumulative model combination with multiple cumulative records, each distinguished by a different customer item number, which you set up using the CUM Maintenance program (P40R12).

The following table shows the differences between four example models, followed by examples of how you can set up each model to track cumulative information:

Table Column Heading	Model 1	Model 2	Model 3	Model 4
Sold To	GM	GM	Ford	Ford
Ship To		Livonia		Wixom
Track CUMS	Yes	Yes	Yes	Yes
Track by Ship To		Yes	Yes	Yes
Track by Customer PO		Yes		
User Defined Field 1	Model Year			Model Year
User Defined Field 2				Dock
User Defined Field 3				

An infinite number of model combinations exist that you can set up using any combination of the Sold To, Ship To, Customer PO, and user-defined fields.

Model 1

In the following model, the cumulative information is tracked for GM using only the Sold To and Model year values. Each record with the Sold To, User Defined Field Type, and Model Year value combination is referred to as the cumulative model combination. Each row indicates a separate cumulative model combination for which information is tracked.

TableColumnHeading - Sold To	User Defined Field 1 Type	User Defined Field 1
GM	Model Year	2001
GM	Model Year	2000
GM	Model Year	1999

Model 2

The following model is set up for GM using Sold To, Ship To, and Customer PO specifically where the Ship To is Livonia.

Sold To	Ship To	Customer PO
GM	Livonia	123
GM	Livonia	456

Model 3

The following model tracks cumulative records by using Sold To and Ship To values. Unlike Model 2, however, no Ship To is specified. This model is useful for tracking each distinct Sold To/Ship To model combination.

Sold To	Ship To
Ford	Novi
Ford	Canton
Ford	

Note. Models that you set up for a specific Ship To address override the model that you set up for a wide range of Ship To addresses.

Model 4

This model shows that Ford Wixom can track cumulative information using a model that is distinct from the model used by most of Ford's Ship To addresses, as detailed in Model 3. Ford Wixom can track by Sold To, Ship To, Model Year, and Dock. The model combinations are as follows:

Sold To	Ship To	User Defined Field 1 Type	User Defined Field 1	User Defined Field 2 Type	User Defined Field 2
Ford	Wixom	Model Year	2001	Dock	13
Ford	Wixom	Model Year	2001	Dock	10
Ford	Wixom	Model Year	2000	Dock	13
Ford	Wixom	Model Year	2000	Dock	10

Prerequisite

Set up the User Fields for the CUM Tracking UDC table (40R/UF).

Forms Used for Setting Up a Product Cumulative Model

Form Name	Form ID	Navigation	Usage
Work With Product CUM Models	W40R23A	Demand/CUMs menu (G40R411), Product CUM Model	Locate cumulative records.
Product CUM Model Revisions	W40R23B	On Work With Product CUM Models, click Add.	Set up a product CUM model.

Setting Up a Product CUM Model

Access the Product CUM Model Revisions form.

Product CUM Model - Product CUM Model Revisions

OK Cancel Tools

Branch/Plant M30

Sold To 4201 Centarian Enterprises

Ship To

Product

☒ CUM Tracking

☐ Ship To

☐ Customer PO

User Fields

Field Type 1

Field Type 2

Field Type 3

Product CUM Model Revisions form

CUM Tracking	An option that determines whether the system tracks cumulative quantities of an item. If you do not select this option, then the system does not track cumulative quantities.
Ship To	(Optional) An option that determines whether the system tracks CUM quantities at the Ship To level. If you do not select this option, then the system does not track CUM quantities at the Ship To level.
Customer PO	An option that determines whether the system tracks CUM quantities by customer purchase order. If you do not select this option, the system does not track CUM quantities by customer purchase order.
Field Type 1	(Optional) A UDC (40R/UF) that the system uses for tracking CUM records.

Setting Up Carton Cumulative Models

This section provides an overview of carton cumulative models and discusses how to set up a carton cumulative model.

Understanding Carton Cumulative Models

You can set up carton cumulative models to help you track and identify the carton elements that are specific to a product being shipped. Carton cumulative models are limited to using Sold To and Ship To values to differentiate the models.

You can associate each cumulative model combination with multiple cumulative records, each distinguished by a different customer item number, which you set up using the CUM Maintenance program (P40R12).

You can track cumulative information at the carton level using either the Sold To or Ship To values as the following models describe.

TableColumnHeading -	Model 1	Model 2	Model 3
Sold To	GM	GM	Ford
Ship To		Livonia	
Track CUMS	Yes	Yes	Yes
Track by Ship To		Yes	Yes

Model 1

In one model you can specify that GM tracks carton cumulative information by the Sold To address. For each combination of Sold To and carton, the system tracks a separate record.

Model 2

In this model, the system tracks information separately for GM Livonia from all others.

Sold To	Ship To
GM	Livonia

Model 3

In this model, the system tracks information by the Sold To and Ship To addresses. For each Sold To, Ship To, and carton combination, the system creates a new record.

Sold To	Ship To
Ford	Wixom
Ford	Novi
Ford	

Prerequisite

Ensure that you have set up the carton as an item.

Forms Used for Setting Up a Carton Cumulative Model

Form Name	Form ID	Navigation	Usage
Work With Carton CUM Models	W40R24A	Demand/CUMs menu (G40R411), Carton CUM Model	Locate cumulative records.
Product CUM Model Revisions	W40R24B	On Work With Carton CUM Models, click Add.	Set up a carton CUM model.

Setting Up a Carton CUM Model

Access the Carton CUM Model Revisions page.

CUM Tracking

An option that determines whether the system tracks cumulative quantities of an item. If you do not select this option, then the system does not track cumulative quantities.

Ship To

(Optional) An option that determines whether the system tracks CUM quantities at the Ship To level. If you do not select this option, then the system does not track CUM quantities at the Ship To level.

Revise Cumulative Records

This section contains an overview of cumulative records and discusses how to:

- Enter header information.
- Enter information on cumulative records.

Understanding Cumulative Records

Typically, cumulative information is entered automatically into the system from EDI messages using the Inbound Demand Edit/Update batch program (R47171). However, you can use the CUM Maintenance program (P40R12) to review and manually adjust cumulative records. You can enter missing information, update information, add attachments, and so forth. The system automatically writes cumulative record changes to the F40R42 table.

You can revise the following types of information:

- Cumulative shipped for the customer and supplier.
- Firm cumulative required, or the quantity required by a customer that results in a sales order.
- Planned cumulative required, or the quantity that results in a forecast record.
- Quantity the customer received.
- Fabrication cumulative quantity, or the quantity of parts that a supplier is authorized to produce.
- Material cumulative quantity, or the quantity of raw materials the supplier is authorized to purchase for manufacturing the finished goods.
- Cumulative rollback information.
- Cumulative shipped net adjustment information.
- Attachments. You can add two types of attachments to cumulative records. One attachment can be linked to the cumulative record and one to the history record.

You can set the processing options to specify whether to allow values to be entered in the various fields on the tabs on the CUM Revisions form.

Forms Used for Entering Cumulative Information

Form Name	Form ID	Navigation	Usage
Work With CUMS	W40R12A	Demand/CUMs menu (G40R12), CUM Maintenance	Locate cumulative records.
CUM Revisions	W40R12B	On Work with CUMs, click Add.	Enter header information on cumulative records. Revise various types of cumulative information, such as cumulative shipped, firm or planned required, production sequence, and so forth.

Entering Header Information on Cumulative Records

Access the CUM Revisions form.

CUM Maintenance - CUM Revisions

OK Cancel Form Tools

Branch/Plant M30

Sold To 4201 Centarian Enterprises

Customer/Supplier Item Number 4201/8801

Ship To 420101 RoadMax, Inc.

Customer PO 1 CUM Adjustment Code C

User Field Value 1 User Field Type 1

User Field Value 2 User Field Type 2

User Field Value 3 User Field Type 3

Product CUM Carton CUM Time of Day 163410

CUM Revisions form (1 of 2)

Select Tab: CUM Shipped

Supplier

Quantity 0

Date

Time 0

Customer

Quantity 0

Date

Time 0

CUM Revisions form (2 of 2)

CUM Adjustment Code

A UDC (40R/CA) that identifies the type of adjustment. When updating a record, this field is required. If this value is one of the five Mandatory Attachment Adjust Codes processing options that you specified on the Process tab in the CUM Maintenance (P40R12) processing options, then the system displays the Media Object Viewer form for adding text or attachments after you click OK.

User Field Type 1

A UDC (40R/UF) that the system uses for tracking CUM records.

User Field Value 1

A UDC (40R/UF) that identifies the CUM User Field Type 1 field. You use this code to specify how the system tracks cumulative quantities in the F40R11 table.

Product CUM

A code that specifies whether the CUM record type is product or carton. Values are:

Blank: Product

I: Carton

Carton CUM

A code that specifies whether the CUM record type is product or carton.
Values are:

Blank: Product

I: Carton

Revising Cumulative Information

Access the CUM Revisions form.

Firm CUM Required

Select the Firm CUM Required tab.

Quantity	The cumulative quantity that the customer requires before the current release for the Firm type (for example, 862, DELJIT) of EDI messages. The system uses this quantity in conjunction with the supplier's quantity on the CUM Shipped tab to determine a quantity amount for ahead/behind calculations.
Start	The starting date in a range of dates. The dates are associated with the cumulative quantity that the customer requires before the current release for the Firm type (for example, 862, DELJIT) of EDI messages.
End	The ending date in a range of dates. The dates are associated with the cumulative quantity that the customer requires before the current release for the Firm type (for example, 862, DELJIT) of EDI messages.

Fabrication Cumulative Information

Select the Fabrication CUM tab.

Quantity	The total quantity of an item that the customer has authorized the supplier to produce. Regardless of whether the customer stops the production process before the authorized quantity has been completed, the customer must pay the supplier for the full authorized quantity.
Start Date	The end date that is associated with the total quantity of an item that the customer has authorized the supplier to produce.
End Date	The end date that is associated with the total quantity of an item that the customer has authorized the supplier to produce.
Quantity	The largest total quantity of an item that the customer has authorized the supplier to produce to date. Regardless of whether the customer stops the production process before the authorized quantity has been completed, the customer must pay the supplier for the full authorized quantity.
Release Date	The highest total quantity of an item received to date that the customer has authorized the supplier to produce. Regardless of whether the customer stops the production process before the authorized quantity has been completed, the customer must pay the supplier for the full authorized quantity.

Release Number A number that is generated by the customer and identifies an EDI transaction set/message.

Miscellaneous Information

Select the Miscellaneous tab.

UOM The unit of measure (for example, *EA* for eaches) that has been specified for the cumulative quantity (as indicated on the advanced ship notice) of an item that was shipped to the customer.

Shipment Number A Next Number that uniquely identifies a shipment.

Reference A number that identifies a cumulative value.

CUM Shipped Net Adjustment A number that represents any modifications in quantity that have been made to the CUM quantity shipped.

Reviewing Cumulative History

This section provides an overview of cumulative history and discusses how to review cumulative history records.

Understanding Cumulative History

You can search and select cumulative records and review the cumulative historical profile of a particular item. Typically, you review cumulative history to research the cause of a discrepancy between a customer and a supplier.

Note. The CUM History program (P40R42) is for inquiry purposes only.

Forms Used for Entering Cumulative Information

Form Name	Form ID	Navigation	Usage
Work With CUM History	W40R42A	Demand/CUMs menu (G40R20), CUM History	Locate cumulative history records. You can also review a record's attachment. To do so, select the record and then select CUM Adj Attachment from the Row menu.
CUM History Inquiry	W40R42B	On Work With CUM History, select a record and click Select.	Review cumulative history.

Reviewing Cumulative History Records

Access the CUM History Inquiry form.

Customer/Supplier Item Number	The cross-reference item number that the system assigns to an item number. A cross-reference number allows you to use a supplier's item number if it is different from your own item number when you are processing an order or printing. You set up this number in the Item Cross-Reference program (P4104).
CUM Adjustment Code	A UDC (40R/CA) that identifies the type of adjustment.

Calculating Ahead-Behind Amounts

When creating schedules, you can determine whether a supplier is over-shipped, under-shipped, or even. You calculate this amount by subtracting the cumulative shipped amount from the cumulative required amount. If the amount is positive, the supplier is behind, or under-shipped. If the amount is negative, the supplier is ahead, or over-shipped. If the difference amount is zero then the supplier is on schedule.

Note. The system does not display ahead or behind values. You use the CUM Maintenance program (P40R12) to view the CUM Shipped and CUM Required values and perform the calculation manually.

Setting Processing Options for CUM Maintenance (P40R12)

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

This processing option enables you to specify the type of adjustment code.

- | | |
|---------------------------|---|
| 1. Adjustment Code | Use this processing option to specify the CUM Adjustment Code that will default in the CUM Maintenance program (P40R12). Default UDC (40R/CA) values are:

<i>AP</i> : Automated process
<i>CI</i> : Customer initiated
<i>CR</i> : CUM rollback
<i>SA</i> : Shipping adjustment |
|---------------------------|---|

Display

These processing options enable you to specify whether to allow you to enter information on the tabs of the CUM Revisions form.

- | | |
|--|--|
| 1. Allow Entry to CUM Shipped Tab | Use this processing option to specify whether the system allows access to the CUM Shipped tab in CUM Maintenance (P40R12). Values are: |
|--|--|

- Blank: The system prevents access to the CUM Shipped tab.
0: The system prevents access to the CUM Shipped tab.
1: The system allows access to the CUM Shipped tab.
- 2. Allow Entry to CUM Required Tab** Use this processing option to specify whether the system allows access to the CUM Required tab in CUM Maintenance (P40R12). Values are:
 Blank: The system prevents access to the CUM Required tab.
0: The system prevents access to the CUM Required tab.
1: The system allows access to the CUM Required tab.
- 3. Allow Entry to CUM Received Tab** Use this processing option to specify whether the system allows access to the CUM Received tab in CUM Maintenance (P40R12). Values are:
 Blank: The system prevents access to the CUM Received tab.
0: The system prevents access to the CUM Received tab.
1: The system allows access to the CUM Received tab.
- 4. Allow Entry to the Fabrication CUM Tab** Use this processing option to specify whether the system allows access to the Fabrication CUM tab in CUM Maintenance (P40R12). Values are:
 Blank: The system prevents access to the Fabrication CUM tab.
0: The system prevents access to the Fabrication CUM tab.
1: The system allows access to the Fabrication CUM tab.
- 5. Allow Entry to the Material CUM Tab** Use this processing option to specify whether the system allows access to the Material CUM tab in CUM Maintenance (P40R12). Values are:
 Blank: The system prevents access to the Material CUM tab.
0: The system prevents access to the Material CUM tab.
1: The system allows access to the Material CUM tab.

Process

These processing options enable you to specify the adjustment codes for mandatory attachments.

- 1. Mandatory Attachment Adjust Code 1** Use this processing option to automatically display the attachment form when you enter or change a CUM record with an adjustment code that is equal to the one entered here. Default UDC (40R/CA) values are:
AP: Automated Process
CI: Customer Initiated
CR: CUM Rollback
SA: Shipping Adjustment
- 2. Mandatory Attachment Adjust Code 2** Use this processing option to automatically display the attachment form when you enter or change a CUM record with an adjustment code that is equal to the one entered here. Default UDC (40R/CA) values are:
AP: Automated Process
CI: Customer Initiated

	<i>CR:</i> CUM Rollback
	<i>SA:</i> Shipping Adjustment
3. Mandatory Attachment Adjust Code 3	Use this processing option to automatically display the attachment form when you enter or change a CUM record with an adjustment code that is equal to the one entered here. Default UDC (40R/CA) values are:
	<i>AP:</i> Automated Process
	<i>CI:</i> Customer Initiated
	<i>CR:</i> CUM Rollback
	<i>SA:</i> Shipping Adjustment
4. Mandatory Attachment Adjust Code 4	Use this processing option to automatically display the attachment form when you enter or change a CUM record with an adjustment code that is equal to the one entered here. Default UDC (40R/CA) values are:
	<i>AP:</i> Automated Process
	<i>CI:</i> Customer Initiated
	<i>CR:</i> CUM Rollback
	<i>SA:</i> Shipping Adjustment
5. Mandatory Attachment Adjust Code 5	Use this processing option to automatically display the attachment form when you enter or change a CUM record with an adjustment code that is equal to the one entered here. Default UDC (40R/CA) values are:
	<i>AP:</i> Automated Process
	<i>CI:</i> Customer Initiated
	<i>CR:</i> CUM Rollback
	<i>SA:</i> Shipping Adjustment

Resetting Cumulative Values using CUM Rollback

This section provides an overview of CUM Rollback and discusses how to reset cumulative values.

Understanding CUM Rollback

You can use cumulative rollback to automatically reset cumulative quantities to zero for values that are incremented. When you reset cumulative values, the system updates current cumulative values for each item to reflect all activity occurring since the beginning of the period. The system displays the updated values on the applicable fields on the CUM Shipped, Firm CUM Required, Plan CUM Required, and Prod. Seq. CUM Required tabs on the CUM Revisions form.

When using cumulative rollback, you manually select a set of records based on a cumulative model combination to roll back the values. You specify the date to which want the information reset and which adjustment codes you want to include in the rollback.

You can review the details of the rollback. The system displays all of the cumulative records within the selected model. You cannot update information when reviewing the details on the CUM Rollback Detail form. You can also run this report in Proof mode.

When you reset values, the system runs the Rollback CUMs program (R40R020), which resets cumulative values to zero and calculates the adjusted values for the CUM shipped and required fields.

If you set the CUM Rollback (P40R421) processing options to run the report, the system displays the On Report Output Destination form. Specify the report destination and click OK.

Example: CUM Rollback Calculations

When calculating cumulative (CUM) information, the system:

1. Resets all incremented cumulative amounts to zero.
2. Calculates the CUM Quantity Shipped value by adding all the CUM Shipped Adjustment quantities for all of the records with the selected Shipment Adjustment code (SA) and Manual Adjustment code (CI) occurring on or after the rollback date.
3. Calculates the CUM Required value using two calculations:
 - Adjustment Quantity = Current CUM Shipped - Calculated CUM Shipped
 - Adjusted CUM Required = Previous CUM Required - Adjustment Quantity

Prerequisite

Set up the Rollback Code UDCs (40R/RC), which enables you to use as many adjustment codes as needed when resetting cumulative values.

Forms Used for Resetting Cumulative Values

Form Name	Form ID	Navigation	Usage
CUM Rollback	W40R421A	Demand/CUMs menu (G40R21), CUM Rollback Select the record and then select Include in Rollback from the Row menu.	Locate a valid cumulative model. To reset the cumulative values, select Rollback CUMs from the Form menu. You can also double-click the row to include the record. The system places a checkmark next to the record to indicate that it will include the record in the rollback process. To select all records to include in the rollback process, select Include All from the Form menu.

CHAPTER 6

Working with Firm Demand

This chapter provides overviews about firm demand, shipping and planning schedules, fence dates, and forecast planning. This chapter also discusses how to:

- Create demand scheduling sales orders.
- Set up demand spreading.
- Create a demand spreading template.

Understanding Firm Demand

Firm demand requirements represent demand for material that is required for a specific future time horizon. When you create and process records for firm demand, the system uses this information to maintain the requirements, scheduling and fence information, rules, and other default information that is relevant to suppliers and customers.

For example, you can create planning schedules that enables you to retrieve plan or firm demand, and, based on fences, the system determines whether to process the data as sales orders or forecast records. You also specify how to process cartons, labels, shipments, notifications, as well as run reports to analyze demand information.

Understanding Shipping and Planning Schedules

When you run the Create Demand Schedule (R40R010), the system creates shipping and planning schedules based on the information stored in the demand and cumulative databases. These schedules enable you to retrieve plan or firm demand, and, based on fences, the system determines whether to process the data as sales orders or forecast records. The system also performs calculations for ahead/behind amounts, rounding to standard pack, and updates the Create SO Status field (CRTSOST) on the demand detail record.

The system uses the cumulative ID to identify demand detail records. The following table describes how the system selects records for processing schedules:

Cumulative Tracking Method	Process
Sold-To Level	For each cumulative record associated with the Sold-To field (where the Ship-To field is blank), the Create Demand Schedule program processes all the demand details associated with the cumulative ID for that record.

Cumulative Tracking Method	Process
Sold-To/Ship-To Level	For each cumulative record associated to the Sold-To and Ship-To, the Create Demand Schedule program processes all the demand details associated with the cumulative ID for the record.
None	If the customer (Branch Plant, Sold-To, Ship-To combination) does not calculate cumulative information, the Create Demand Schedule program processes all the demand details for that demand header record that do not have a cumulative ID.

The system can decrement cumulative quantities to decrease the cumulative shipped amount. The cumulative shipped amount starts at the contract amount and is reduced by shipments until the amount reaches zero. When this value reaches zero, the customer can choose to have all orders that are received from this point forward be placed on hold until the cumulative shipped amount is adjusted.

The system uses the following tables to process shipping and planning schedules:

- F40R20
- F40R10
- F40R11)
- F40R23
- F40R12

Understanding Standard Pack Calculation

Typically when a supplier ships product to customers, the product must be in an agreed-upon standard pack. The standard pack is the number of pieces that the customer wants in each pack. In most cases, if the customer orders less than the standard pack, the supplier must still round up to the standard pack amount. You can ensure that the shipments are made in the prearranged quantity and adjust sales orders and forecast quantities accordingly.

The system uses the Ship Quantity Requested value, and the Branch/Plant, Sold To, and Ship To values, and determines if the amount being shipped actually fulfills the standard pack. If the Shipped Quantity Requested value is not a multiple of the standard pack amount, the system rounds the Ship Quantity Requested up to the next highest multiple of the standard pack. This quantity is then returned as the new value for the Ship Quantity.

Understanding Fence Dates

You can use schedule fences and preferences to control how the system maintains records for new releases and changed quantities. A firm shipment fence specifies the number of days of demand for which you create sales orders. The planned forecast fence specifies the number of days of demand for which you create forecasts.

When the system receives forecast releases and shipping schedules, the system interprets the transactions and messages and creates the demand detail records. Each record is identified as either plan or firm, with a period indicator as daily, weekly, or monthly.

Based on the preferences and fence settings, the system identifies the demand records to create or update sales orders or to create forecasts. The dates the system uses are a horizon start date, firm shipping fence date, and a plan forecast fence date.

For example, you can specify the number of days, beginning at the horizon start date, of firm demand to be used to generate sales orders. If the horizon start date is January 1, with six fence days, the system creates sales orders through January 7. If the customer does not transmit a horizon start date (HZSD), you can use the Release Date field (RLSDJ) for this purpose.

Firm demand that lies past the firm-shipping fence is informational only. The system does not use this demand to generate sales orders or forecasts.

For planning fences, the system identifies the number of days from the horizon start date of the plan demand to be used to generate forecasts. The system does not create sales orders from plan demand. Any plan demand that lies past the plan forecast fence will be informational only.

Example: Calculating Fence Dates

The following example describes how the system creates sales orders and forecast records based on fence dates. Assume that the system received following data automatically from the EDI scheduling, planning and shipping documents (830 and 862).

Horizon Start Date: 07/10/2000

Demand Detail:

07/10	500	Plan	Weekly
07/10	100	Firm	Daily
07/11	100	Firm	Daily
07/12	100	Firm	Daily
07/13	100	Firm	Daily
07/14	100	Firm	Daily
07/17	1000	Plan	Weekly
07/17	200	Firm	Daily
07/18	200	Firm	Daily
07/19	200	Firm	Daily
07/24	1000	Plan	Weekly

Cum Shipped: 1000

Firm Cum Required Prior: 1000

Plan Cum Required Prior: 1000

Scenario 1

The system creates sales orders for the first three days of firm requirements and does not create sales orders for the rest of the firm requirements.

Fences	Table Column Heading -	Sales Orders	Forecast				
Firm Shipping	3 days	07/10	100	Daily	07/10	500	Weekly
Plan Forecast	999 days	07/11	100	Daily	07/17	1000	Weekly
		07/12	100	Daily	07/24	1000	Weekly

The system then creates forecast records for all of the plan requirements.

Scenario 2

The system creates sales orders for the first five days of firm requirements and the rest of the firm requirements are dropped.

Fences	Table Column Heading -	Sales Orders	Forecast				
Firm Shipping	5 days	07/10	100	Daily	07/10	500	Weekly
Plan Forecast	8 days	07/11	100	Daily	07/17	1000	Weekly
		07/12	100	Daily			
		07/13	100	Daily			
		07/14	100	Daily			

The system then creates forecast records for the first eight days of plan.

Understanding Forecast Planning Dates

The system uses forecast dates to anticipate demand for customers. The information flows into forecasts automatically, based on dates that customers provide. You can establish forecast dates based on days, weeks, or months. To calculate this information, the system uses the beginning date and end date for a specific period, along with the number of workdays in the period.

Customers use their own method for generating and communicating dates. For example, these dates can occur at the beginning or end of the month, or on certain days of the week. You specify in advanced preferences a demand forecast date (type 28) to allow the system to receive planning records from customers and then convert the records into start and end dates to create forecasts.

The preference includes a week begin and end date rule, as well as a month calculation value. The following table describes these values:

Month Calculation Rule	Description
0 - Calendar Month (Default)	The customer uses the calendar month. The start of the month is always the first, and the end of the month is always the last day of the month. The system supports partial months.
1 - Day of Week Occurrence	The date received represents the begin date or end date for a given month. For example, if you receive a begin date for the second Tuesday of the month, then all months start on the second Tuesday. Likewise, if the end date is the third Saturday, then all months end on the third Saturday.
2 - Day of Week Anchor	Anchor rules are set up as a value between 0 and 6, representing Sunday through Saturday. This rule defines a planning period where the first occurrence of the anchor day is in the first week of a calendar month. The planning period is either four or five weeks, which ensures that the following planning period also complies with the anchor rule. Values are: 0: Sunday 1: Monday 2: Tuesday 3: Wednesday 4: Thursday 5: Friday 6: Saturday
3 - Date Pattern Month	A fiscal date pattern defines the details of the planning calendar dates. Based on the received date, the fiscal date pattern is used to find the start and end dates for the month.

Example: Calculating Forecast Planning Dates

Monthly calculations assume that any given month starts the day after the prior month ends. Likewise, any given month ends the day before the next month starts. A month's end date can be calculated by determining the start of the next month and backing up one day.

Weekly calculations assume that any given week ends six days after it began. Likewise, any given week starts six days before it ends.

When you use the calendar or week calculations with beginning and end date rules, the following table describes the possible scenarios:

Calendar Month, Calculate Month End Date	You use the calendar month and receive the month begin date from the customer. The system calculates the month end date as the last day of the calendar month.
Calendar Month, Calculate Month Begin Date	You use the calendar month and receive the month end date from the customer. The system calculates the month begin date as the first day of the calendar month.
Calculate Occurrence Month, Calculate Month End Date	You base the beginning date on a day of the week and the occurrence of that day in the month. You receive the month beginning date from the customer. The system calculates the month end date by finding the next month's beginning date and backing up one day.
Day Occurrence, Calculate Month Begin Date	You base the ending date on a day of the week and the occurrence of that day in the month. You receive the month ending date from the customer. The system calculates the month begin date by finding the prior month's end date adding one day.
Anchor Month, Calculate Month End Date	You base the month on a day-of-week anchor and receive the month beginning date from the customer. The system calculates the month end date by finding the start of the next planning month and backing up one day. The system calculates the next planning month's beginning date by finding the start of that calendar month and locating the first occurrence of the anchor day of the week.
Anchor Month, Calculate Month Begin Date	You base the month on a day-of-week anchor and receive the month ending date from the customer. The system calculates the planning month's beginning date by finding the start of the calendar month and locating the first occurrence of the anchor day of the week.
Week Date Range	You use weekly beginning and ending dates. The system adds six days to determine the end date or subtracts six days to determine the beginning date.
Fiscal Date Pattern Month, Calculate End Date	You use the received date in conjunction with the fiscal date pattern to determine the end dates, based on the values established in the fiscal date pattern for that period. In this case, the system uses the last day of the fiscal period as the ending date.
Calculate Fiscal Date Pattern Month, Calculate Begin Date	You use the received date in conjunction with the fiscal date pattern to determine the beginning dates, based on the values established in the fiscal date pattern for that period. In this case, the system uses the first day of the fiscal period as the beginning date.

Creating Demand Scheduling Sales Orders

This section provides an overview of demand scheduling sales orders and discusses how to run the Create Schedule UBE (R40R010).

Understanding Demand Scheduling Sales Orders

A demand sales order is a sales order that is generated when you run the Create Demand Schedule program (R40R010). Created or updated sales orders reflect what items need to be shipped in order to meet the customer's schedule. Changes that you make to a demand sales order must be done using the Demand Maintenance program (P40R10).

You can use this report to perform the following types of processes:

- Create and update demand sales orders or forecasts.
- Calculate plan or firm fences.
- Calculate ahead/behind amounts.
- Calculate standard pack rounding.

You use Data Selection to specify how and when the system calculates and processes this information. For example, you can specify a time-of-day schedule (typically after the daily EDI messages have been processed into the demand tables), or whether to run this application automatically after the demand business function is finished processing, or manually from the menu.

Note. The system processes deleted demand records by deleting sales order entry items. On the Process tab, if you leave the F4211 Ship Date and Ship Time Update processing option blank, the system does not update the Promised Ship Date field or the Promised Ship Time field on the remaining, noncanceled sales order lines.

If you enter a 1, the system updates noncanceled sales order lines with a ship time of zero, when sales order lines are canceled due to deleted demand information.

The system recognizes a demand sales order based on the Demand ID, which links the order to its original demand scheduling record. The system also associates demand sales orders to the originating demand scheduling record using other demand-related fields that you can review in the Sales Order Entry application (P4210).

Note. The system disables the demand fields on the SOE - Additional Information form (W4210B) when the Demand ID field is populated on the record in demand scheduling, or if the Demand Scheduling (40R) system is not enabled.

You can create demand sales orders using combinations of the following values:

- Branch/Plant
- Sold-To
- Ship-To
- Promised Ship Date
- Promised Ship Time
- Customer PO

When the system creates or modifies sales orders, it also creates or modifies shipments and carton recommendations automatically for tracking orders and creating shipments.

For making deductions to backordered sales order lines, the system first deducts all the backordered lines if they exist. The system then processes the line having the least quantity backordered. If backordered lines do not exist, or backordered lines are all adjusted and canceled, the system processes the nonbackordered lines with the least quantity first.

Running the Create Demand Schedule(R40R010)

Demand/CUMs menu (G40R12), Create Schedule UBE.

Setting Up Demand Spreading

This section provides an overview of demand spreading and discusses how to create a demand spreading template.

Understanding Demand Spreading

Demand spreading refers to the process of spreading the demand forecast quantity for a given date or date range across a specified time period. In this process, the planned dates and quantities in the Demand Detail records are consolidated, spread across a week in daily buckets, and then distributed into aggregate weekly or monthly buckets that are required for forecasting and planning.

This step is necessary because the demand information transmitted by customers to the supplier can vary. Customers can define demand in daily, weekly or monthly quantities. Customers may also consider different days as starting days for a week, or they might define a month in different ways. The following table shows how the demand information can vary from customer to customer:

TableRowHeading -	Month	Actual Time Period	Quantity
Customer A	June 2001	June 4 - July 1	18,000
TableRowHeading -	July 2001	July 2 - August 5	19,000
TableRowHeading -	August 2001	August 6 - September 2	20,000
Customer B	June 2001	June 1 - June 30	10,000
TableRowHeading -	July 2001	July 1 - July 28	12,000
TableRowHeading -	August 2001	August 1 - August 31	14,000
Customer C	June 2001	June 4 - July 1	50,000
TableRowHeading -	July 2001	July 2 - July 29	50,000
TableRowHeading -	August 2001	July 30 - September 2	55,000

In order to accommodate the production schedule at a given branch/plant, the supplier has to accept these varying planning schedules and transform them into a common forecast.

When you process a batch of demand records through the Create Demand Schedule program (R40R010) to transfer planned demand into the Forecasting system, the system deletes any existing detail and summary forecast records (F3400 and F3460) for any combination of item, branch, customer and forecast type that occur in the batch. After the deletion, the system processes the batch one record at a time to load a new forecast. If a time period includes more than one demand record, the final forecast for this period contains the sum of the forecasts from all the overlapping records. The resulting forecast is considered the latest forecast for the combination of item, branch, customer and forecast type.

Once the previous forecast records are removed, the system automatically spreads and consolidates the demand quantities across the specified time period. In the process, the system invokes a demand-spreading template, if one is available, and divides the demand into daily buckets, based on the percentages specified in the template. If no template is available, the demand is spread evenly across the workdays of the date range.

After the demand is broken down into daily values, the system rolls up these daily values into a forecast based on the date ranges defined for the forecast buckets and stores the records in the F3400 table and the F3460 table. The forecast buckets can be set up for weekly or monthly forecasts.

See Also

PeopleSoft EnterpriseOne Forecast Management 8.11 PeopleBook, “Working with Detail Forecasts,” Creating Detail Forecasts

Creating a Demand Spreading Template

This section provides an overview of demand spreading templates and discusses how to create a template.

Understanding Demand Spreading Templates

For the purpose of spreading the demand received from customers across a specified time period, you can use the Work With Demand Spreading program (P3470) to define demand spreading templates to meet your business needs. You can define a demand spreading template for a branch/plant, but you can also set it up for a combination of branch/plant and ship to or a combination of branch/plant, ship to and item.

Setting up a demand spreading template allows you to specify percentage values for the days on the template that represent how the total forecasted demand is allocated to the days of a week and, if needed, a prior week. The sum of all the percentage values you enter has to be 100. On the template you also define the date pattern that determines the actual week for spreading demand into daily buckets.

Note. If you do not set up any demand spreading templates, the system allocates the demand evenly across the specified time period.

Forms Used for Creating a Demand Spreading Template

Form Name	Form ID	Navigation	Usage
Work With Demand Spreading Templates	W3470A	Forecast Setup menu (G3441), Work With Demand Spreading Templates	Locate demand spreading templates.
Demand Spreading Template Revisions	W3470B	On Work With Demand Spreading Templates, click Add.	Create a demand spreading template. Enter demand-spreading percentages in the Day fields for the weekly as well as the prior weekly distribution. The demand for the week is spread among the days of the week based on the percentage allocated to each day. The sum of the percentage values must be 100.

Creating a Template

Access the Demand Spreading Template Revision form

Work with Demand Spreading Templates - Demand Spreading Template Revision

Ship To *RoadMax, Inc.* Business Unit

Item *Rear View Mirror*

Weekly Distribution:

Day 1 Day 2 Day 3 Day 4 Day 5 Day 6 Day 7

Prior Week Distribution:

Day 1 Day 2 Day 3 Day 4 Day 5 Day 6 Day 7

Week Definition:

Date Pattern

Demand Spreading Template Revision form

Item

A number that identifies the item. The system provides three separate item numbers plus an extensive cross-reference capability to alternative item numbers. The three types of item numbers are:

- Item Number (short), which is an 8-digit, computer-assigned item number.
- 2nd Item Number, which is a 25-digit, user-defined, alphanumeric item number.
- 3rd Item Number, which is a 25-digit, user-defined, alphanumeric item number.

In addition to these three basic item numbers, the system provides an extensive cross-reference search capability. You can define numerous cross-references to alternative part numbers. For example, you can define substitute item numbers, replacements, bar codes, customer numbers, or supplier numbers.

Date Pattern

A code that identifies date patterns. You can use one of 15 codes. You must set up special codes (letters A through N) for 4-4-5, 13-period accounting, or any other date pattern unique to your environment. An *R*, the default, identifies a regular calendar pattern.

The information in this field determines how a week is defined for the demand-spreading template.

CHAPTER 7

Working with Advance Ship Notices

This chapter provides overviews of the Advance Ship Notice (ASN) and ASN information extraction and discusses how to:

- Update successfully processed ASN records.
- Set up ASN hierarchies.
- Specify supplier time zones for data extraction.
- Recalculate ASN totals.
- Revise ship notice information.
- Revise ship notice details for ASN items.
- Add a child record.
- Analyze ASN date and time Intervals.
- Analyze acknowledgment activity.
- Recalculate ASN information.
- Run the R47032 Conversion Program (R47032C).
- Purge EDI ASN records.

Understanding ASNs

An ASN lists the contents of a shipment of goods, as well as additional information relating to the shipment, such as:

- Order information
- Product description
- Physical characteristics
- Type of packaging
- Markings
- Carrier information
- Configuration of goods

The ASN allows a sender to describe the contents and configuration of a shipment in various levels of detail and provides an order flexible enough to convey the appropriate information. ASN reporting is important for measuring the accuracy and timeliness of shipments. In some cases, if an ASN does not reach the destination before the truck, the receiver may reject the shipment. You typically send the ASN as soon as the shipment leaves the dock.

The following programs enable you to set up and maintain how the system processes ASNs:

- Hierarchical Configuration Definition (P47HL)
- EDI Time Zone (P4720)

The following programs and reports are available to help you manage ASN information:

- Work With Ship Notice (P47036)
- Work With Ship Notice Details (P470371)
- ASN ReCalculate (R47035)
- Purge EDI ASN Records (R47039)
- ASN On Time Analysis Report (R470361)
- Acknowledgment Accuracy Analysis Report (R47191)

You can also manage ASN information using the Work With ASN Packaging (W470371E) form.

ASN EDI Tables

The system uses the following tables when processing the ASN:

- F47036
- F470371
- F470371T
- F470372
- F470373
- F470374
- F470375
- F47HL
- F4720

Understanding ASN Information Extraction

You typically run the EDI Advance Ship Notice Extraction program (R47032) after confirming shipments using the Shipment Confirmation program (P4205). You can run the extraction automatically from the Transportation Shipment Confirmation program (P49645) or manually from the menu.

The system retrieves shipment data from the following tables:

- F4201
- F4211

- F4215
- F4217
- F4216
- F40R11
- F4620
- F46091
- F40R14

When the system extracts shipment data, it converts the data to the ASN structure and writes the information to the following tables:

Table	Notes
F470371	Fields from the F4211 table and the F4216 table are carried forward to the F470371 table.
F470372	Based on the Extended ASN option you set in Hierarchical Configuration Definition (P47HL), the system populates this table with F40R11 information, such as Assembly Line Location, Job Sequence Number, Dock, and Model Year. The system also populates this table with F4942 information, such as CUM Quantity Shipped and CUM Quantity Shipped UOM.
F470373	Information from the F4215, F4217, and F4720 tables are carried to the F470373. This includes the following types of information: • 17 additional reference numbers • Time zone • Daylight savings indicator • Excess transportation authorization • Excess transportation reason code • Excess transportation charge code • Seal number • Consignee shipment number

Table	Notes
F470374	Based on the Extended ASN option set in Hierarchical Configuration Definition (P47HL), the system populates this table with the address-related information from the F40R14 table.
F470375	Based on the Extended ASN option in the Hierarchical Configuration Definition Revisions program (P47HL), the system uses this table to store the packaging detail, carton changes, and totals by carton type for each level on the ASN. The system calculates the total number of packages by container type within each ASN hierarchical level. The packaging information will come from the F4620 table. The system also calculates total charges for expendable containers. The charges for expendable cartons are created as sales order lines during shipment confirmation. The system totals these lines according to ASN hierarchical definition.

The data in the ASN tables can then be converted into a flat file using the R47032 Conversion Program program (R47032C). The translator then maps the various tables or the flat file into the 856 or DESADV format.

Note. Extended mode processing has been added to the ASN. This mode is activated in the Hierarchical Configuration Definition program (P47HL). With Extended Mode, the packaging information is retrieved from both the F4216 and the F4620 tables. If Demand Scheduling is active and the ASN is in Extended Mode, Demand information is also extracted with the ASN.

See Also

PeopleSoft EnterpriseOne Data Interface for Electronic Data Interchange 8.11 PeopleBook, “Receiving and Sending EDI Sales Order Documents,” Sending Shipping Notices

Updating Successfully Processed ASN Records

This section provides an overview of how the system processes ASN records and discusses how to run the EDI ASN Update as Sent program (R47037).

Understanding ASN Update as Sent

This program marks all records as successfully processed. You can run this program from within the flat file R47032 Conversion Program (R47032C) or from the menu for a particular EDI document number (EDOC). The system updates the records with a *Y* in the EDI - Successfully Processed field (EDSP).

You run this program before you download a new batch of transaction to the EDI interface tables to prevent duplicating data. The program flags all the documents that were transmitted as processed, which prevents the same documents from being sent again.

Ensure that you delete the flat file after processing the data through the translator software. Otherwise, the system appends new records to the records that were already translated.

Running the EDI ASN Update as Sent Program (R47037)

Sales Invoice menu (G47217), Update as Sent.

Setting Up ASN Hierarchies

This section provides an overview of ASN hierarchies and discusses how to set up ASN hierarchies.

Understanding ASN Hierarchies

You can set up the hierarchical levels that the system uses for extracting ASN data in order to update the EDI ASN tables and the Advanced Ship Notice. You customize the hierarchical structure to match EDI guidelines, such as SOIT and SOTI. For example, you may need information that is displayed on the ASN to have a hierarchical structure based on your customer's requirements. In this case, you specify the hierarchical configuration and set up fields to level by on the Hierarchical Configuration Definition form. The system creates the hierarchical structure and uses it throughout the ASN maintenance process.

For example, in order to create a hierarchical structure with level breaks at Shipment, Order, and Item values, you set up the structure by defining the sequencing and level break fields for the Shipment, Order, and Item. Next, run the EDI Advance Ship Notice Extraction program (R47032). The system extracts information for the ASN. As this program retrieves the information, the system considers the hierarchical configuration and makes a level break at each specified record. This break creates a parent/child relationship between each level break and provides totals at each break for quantity, price, weight, and so forth. The break also allows you to view how each level break is grouped.

For example, the orders on a shipment can contain a parent/child relationship with items. The shipment is the parent record and it contains shipment information and totals, such as quantity, price, and weight, for all of its child records. The order records are the shipment's child records and they contain order information and totals for the order. The parent/child relationship continues down the hierarchical structure.

Forms Used for Setting Up ASN Hierarchies

Form Name	Form ID	Navigation	Usage
Work With Hierarchical Configuration Definition	W47HLA	ASN (G40R412), Hierarchical Configuration	Locate records.
Hierarchical Configuration Definition Revisions	W47HLD	On Work With Hierarchical Configuration Definition, click Add.	Set up ASN hierarchies.

Setting Up Hierarchies

Access the Hierarchical Configuration Definition Revisions form.

Hierarchical Configuration - Hierarchical Configuration Definition Revisions

OK Cancel Tools

Address Number 4201 Centarian Enterprises

Hierarchical Configuration S O T I

Hierarchical Structure Code 1 ☐ Extended ASN

Records 1 - 4 Customize Grid ☐

		Level	Hierarchical Configuration	Field Name	Ascending Descending	Total Level
☒		1,000	S	SDCNID	A	1
☐		2,000	O	SDDOCO	A	2
☐		3,000	T	XDPLT	A	3
☐		4,000	I	SDITM	A	4

Hierarchical Configuration Definition Revisions form

Hierarchical Configuration The EDI 856 transaction set hierarchy configuration codes that specify the levels present in the Ship Notice/Manifest. This field is made up of a combination of 2 character Hierarchical Level Codes (values from the X12 specification for data element 735 - Hierarchical Level Code). There can be up to 9 combinations of HLC's in this field.

Hierarchical Structure Code A code that indicates the hierarchical application structure of an EDI transaction set that utilizes the HL segment to define the structure of the transaction set.

Extended ASN A code that specifies whether the system sets up the address book number to create an extended ASN (advance ship notice). If the Extended ASN option is on, the system populates the following tables:

- F470372
- F470373
- F470374
- F470375

Level A number used to organize the table into a logical group for online viewing and reporting.

Field Name The data dictionary item name. Examples include F#MMCO or F#CO for company; F#MMCU or F#MCU for business unit; and F#RP01-30 for business unit category codes 01 through 30.

Special characters are not allowed as part of the data item name, with the exception of #, @, \$.

If you want to create protected data names that software updates will not overwrite, use \$xxx and @xxx, where xxx is user-defined.

Ascending Descending A code to designate sorting sequence as ascending or descending. Values are::

A: Ascending

D: Descending

This code is for use within OPNQRYF command to designate the UNIQUEKEY parameter. The number of key sequence fields specified with the following codes represent the number assigned to the UNIQUEKEY parameter. This parameter eliminates duplicate records for these keys:

U: Ascending

V: Descending

Total Level

A level break, not to be confused with Account Master or Business Unit Master level of detail concept (see LDA and LDM respectively). You may specify the level of totaling that you wish to place on this field. Up to 9 levels of totals are permissible. If levels of totals are not specified in an order consistent with the sequence parameters, unpredictable results will occur.

Specifying Supplier Time Zones for Data Extraction

This section provides an overview of supplier time zones and discusses how to add a supplier time zone.

Understanding Supplier Time Zones for Data Extraction

You use the EDI Time Zone program (P4720) to specify the time zone and the daylight savings rule. The translator uses the time zone and daylight savings values to determine the time code. The universal time code (UTC) is set up at the branch/plant level.

The system uses the following tables for processing and store time zone information:

- F4720
- F470373

Prerequisite

Set up the Time Zone user-defined code (UDC) (H91/TZ).

Forms Used for Adding a Supplier Time Zone

Form Name	Form ID	Navigation	Usage
Work With EDI Time Zones	W4720A	ASN (G40R412), Supplier Time Zones	Locate supplier records.
EDI Time Zone Revisions	W4720B	On Work With EDI Time Zones, click Add.	Add a supplier time zone.

Adding a Supplier Time Zone

Access the EDI Time Zone Revisions form.

Time Zone

Choose the time zone for which you want to view the date and time.

Rule Name Enter a unique name identifying a daylight savings rule. Use daylight savings rules to adjust time for a geographic and political locale.

Recalculating ASN Totals

This section provides an overview of ASN totals and discusses how to recalculate ASN totals.

Understanding ASN Recalculation

You can change all the calculated fields such quantities, amounts, currency, and so forth that the system displays on the ASN. Initially, the system calculates these fields when you run the EDI Advanced Ship Notice Extraction (R47032). As the system processes the information for this program, it rolls up the calculated field values at each level break.

After you revise information and exit the Ship Notice Detail Revisions (Totals) form, the system:

- Determines the hierarchical level that you are updating.
- Examines the Parent and RecordID fields to identify all the level breaks that need to be updated.
- Determines if you are adding or deleting information.
- Rolls up all the updates to the calculated fields that are associated with each level break.

In the following example, you change the Quantity field on the item record from 300 to 100 at the lowest level.

Before Recalculation

The following table shows the data before recalculation:

Hierarchical Level Code	Hierarchical Level	Order Company	Document Number	Quantity
S	1	4242	23192	600
O	2	4242	23192	400
I	3	4242	23192	100
I	3	4242	23192	100
O	2	4242	23193	200
I	3	4242	23193	200

After Recalculation

The following table shows the data after recalculation:

Hierarchical Level Code	Hierarchical Level	Order Company	Document Number	Quantity
S	1	4242	23192	400
O	2	4242	23192	200
I	3	4242	23192	100
I	3	4242	23192	100
O	2	4242	23193	200
I	3	4242	23193	200

Forms Used for Recalculating ASN Totals

Form Name	Form ID	Navigation	Usage
Work With Ship Notice Details	W470371A	EDI Outbound menu (G40R14), Work With Ship Notice Details	Locate ASN details.
Ship Notice Detail Revisions (Totals)	W470371E	On Work With Ship Notice Details, locate the ASN record and select Totals Revisions from the Row menu.	Recalculate ASN totals.

Recalculating Totals

Access the Ship Notice Detail Revisions (Totals) form.

Quantities

Select the Quantity tab.

Quantity Shipped

The number of units that are committed for shipment in Sales Order Entry, using either the entered or the primary unit of measure defined for this item.

In the Manufacturing system and Work Order Time Entry, this field can indicate completed or scrapped quantities. The quantity type is determined by the type code entered.

Quantity

The quantity of units that are affected by this transaction.

Quantity Backordered

The number of units that are backordered in Sales Order Management or in Work Order Processing, using either the entered or the primary unit of measure that has been defined for this item.

Quantity Canceled

The number of units that are canceled in Sales Order or Work Order Processing, using either the entered or the primary unit of measure that has been defined for this item.

In manufacturing, this quantity can also represent the number of units scrapped to date.

Future Quantity Committed	The number of inventory units tentatively committed to this order line. Such tentative commitment may occur through the use of Blanket Orders, where you have agreed to sell a specified quantity of an item but the delivery date or dates are unknown at the time of the order. The contents of this field will typically have an impact, not on the Committed or On Sales Order fields shown on various screens, but more likely on such fields as Quantity 1 or Quantity 2 as shown on the Availability form (which you access by using the appropriate option on the Branch Inventory form).
Quantity Open	The original quantity for the order detail line, plus or minus any changes to that quantity, minus all quantities shipped, received, and vouchered to date.
Quantity Shipped to Date	The number of units which have passed through the Sales Update process. In Work Order Processing, this field identifies the total quantity that is completed or consumed on a work order to date basis.
Quantity Relieved	Unit relieved (future use).
Other Quantity (1/2)	For the Sales Order Management system, this field determines if the Quantity on Other Sales Order 1 or 2 field in the F41021 table is to be updated instead of the Soft Commit or Hard Commit fields. For the Procurement system, this field determines if the Quantity on Other Purchase Order field is updated in the F41021 table instead of the On Purchase Order field.
U/M	A UDC (00/UM) that indicates the quantity in which to express an inventory item, for example, CS (case) or BX (box).
Quantity Ordered	The quantity that was ordered by the customer expressed in the primary stocking unit of measure.
Unit of Measure	A UDC (00/UM) that identifies the unit of measure that the system uses to express the quantity of an item; for example, EA (each) or KG (kilogram).
Secondary Quantity Ordered	If the secondary unit of measure option in Inventory Constants is selected, the system displays this field on data entry screens.
Secondary UOM	A UDC (00/UM) that indicates an alternate unit of measure for the item.
Dual Unit of Measure Item	An option that indicates that the system must maintain inventory balances and record transactions for an item in a secondary unit of measure that does not have a fixed conversion to the primary unit of measure. Typically, you select this option when the item is ordered or sold by a packaged quantity and priced by weight or volume. Note that for a dual unit of measure item, the system might require a tolerance check for inventory transactions (excluding inventory adjustments) between the primary unit of measure and the secondary unit of measure.
User Reserved Amount	This is a 15-position code that is reserved for the user.
SCC Quantity	The quantity of SCC packages for a given item.
UPC Quantity	The quantity at the UPC level - the lowest consumer-saleable package.

Amounts

Select the Amounts tab.

Base Currency	A code that represents the currency of the company for a transaction. For a foreign currency transaction, this is the currency code of the domestic side of the transaction.
Currency Code	A code that identifies the currency of a transaction.
Exchange Rate	A number (exchange rate) that a foreign currency amount is multiplied by or divided by to calculate a domestic currency amount. The number in this field can have a maximum of 7 decimal positions. If you enter more decimal positions, the system adjusts to the nearest 7 decimal positions.
List Price	The list price in the unit of measure of the base price that the system retrieved from the F4106 table. This is the price the customer would pay if there were no price adjustments applied during Sales Order Entry. This price is stated in domestic currency.
Unit Price	The list or base price to be charged for one unit of this item. In sales order entry, all prices must be set up in the F4106 table.
Extended Price	The number of units multiplied by the unit price.
Amount Open	The amount of the order, invoice, or voucher that is still unpaid or open. When you enter a document (for example, an order, invoice, or voucher), the open amount is the original amount of that document. If you change the original amount, the open amount is reduced by the net change. For example, payments, shipments, or receipts against a document result in a reduction of the open balance.
Transfer Cost	This is the cost of transferring inventory from one branch to another. The method of calculating this transfer cost is maintained in the Inter Branch Sales Markup Revisions program (P3403).
Entered Unit of Measure for Unit Price	The basic measurement abbreviation used to designate the quantity of an inventory item. Examples are <i>BA</i> (bale), <i>LB</i> (pound) and <i>PC</i> (piece). Although entry of cost and price per primary unit of measure is the accepted standard, you may choose to enter cost and price per any of the five basic units of measure available. Then the system records that unit of measure separately so that all subsequent costing and pricing algorithms will be performed properly.
Pricing UOM	A UDC (00/UM) that indicates the unit of measure in which you usually price the item.
Weight and Volume	Select the Weight/Volume tab.
Weight Qualifier	A code that identifies the type of weight. The value should conform to one of the accepted values for EDI X12 data element 187.
Total Unit Weight	The weight of one unit of an item, expressed in the primary unit of measure.

Weight Unit of Measure	The unit of measure that indicates the weight of an individual item. Typical weight units of measure are: <i>GM</i>: Gram <i>OZ</i>: Ounce <i>LB</i>: Pound <i>KG</i>: Kilogram <i>CW</i>: Hundredweight <i>TN</i>: Ton
Unit Volume	The cubic units occupied by one inventory item. The definition of the unit itself (cubic feet, yards, meters, and so forth) is defined in the volume unit of measure.
Volume Unit of Measure	The unit of measure for the cubic space occupied by an inventory item. Typical volume unit of measures are: <i>ML</i>: Milliliter <i>OZ</i>: Fluid Ounce <i>PT</i>: Pint <i>LT</i>: Liter <i>CF</i>: Cubic Foot <i>CM</i>: Cubic Meter <i>CY</i>: Cubic Yard

Hierarchical Configuration

Select the Hierarchical Configuration tab

Hierarchical Configuration	The EDI 856 transaction set hierarchy configuration codes that specify the levels present in the Ship Notice/Manifest. This field is made up of a combination of 2 character Hierarchical Level Codes (values from the X12 specification for data element 735 - Hierarchical Level Code). There can be up to 9 combinations of HLC's in this field.
Hierarchical Structure Code	A code that indicates the hierarchical application structure of an EDI transaction set that utilizes the HL segment to define the structure of the transaction set.

Revising Ship Notice Information

This section provides an overview of shipment-related information for the ASN and discusses how to revise ship notice information.

Understanding Ship Notice Information

After running the EDI Advance Ship Notice Extraction (R47032) to update the EDI ASN tables, you can use the Work With Ship Notice program (P47036) to revise all of the shipment-related information for the ASN. Using this program, you can locate records based on shipments and dates and then revise the following types of information:

- Child records
- Item information
- Order information
- Order totals
- Shipment information
- Address information
- Packaging information
- Demand addresses

You can also add or delete records as necessary.

The Work With Ship Notice form (W47036C) allows you to navigate to the Work With Ship Notice Details form (W470371A). The details form is another find/browse form that lets you search for even more detailed information to make revisions. The header on the Work With Ship Notice Details form will contain the same search fields that are displayed on the Work With Ship Notice form. If you access the details form by using the Work With Ship Notice row exit, the system passes the values from the Work With Ship Notice form to the details form and displays them in the header. If you access the details form through the main menu, then the search fields in the header will be blank.

If you are not running the extended version of the EDI Advance Ship Notice Extraction (R47032), the system populates only the EDI Shipping Notice Detail - Outbound (F470371) fields, and fields related to the F470373 table will be disabled.

In addition to revising ASN information that is generated through EDI, you can use the Work With Ship Notice program (P47036) to create a new record at the header level. When you create an ASN record, the system writes information to the following tables:

- F47036
- F470371
- F470372
- F470371T
- F470373

Prerequisites

Set up the following UDCs:

- Transaction Type (00/TT)
- EDI - Transaction Set Number (40/ST)

Forms Used for Revising Ship Notice Information

Form Name	Form ID	Navigation	Usage
Work With Ship Notice	W47036C	EDI Outbound menu (G40R14), Work With Ship Notice	Locate ASN records.
Ship Notice Revisions (Shipment)	W47036F	On Work With Ship Notice, locate the record and select Shipment Revisions from the Row menu.	Revise ASN information for shipments.
Ship Notice Control Information Revisions	W47036H	On Work With Ship Notice, locate the record and select Control Information from the Row menu. To create a record, click Add on Work With Ship Notice.	Revise ASN control information. Create a new ASN record at the header level.

Revising ASN Information for Shipments

Access the Ship Notice Revisions (Shipment) form.

Shipment

Select the Shipment tab.

Sold To

A user-defined name or number that identifies an address book record. You can use this number to locate and enter information about the address book record. If you enter a value other than the address book number (AN8), such as the long address or tax ID, you must precede it with the special character that is defined in the Address Book constants. When the system locates the record, it returns the address book number to the field.

For example, if address book number 4100 (Total Solutions) has a long address TOTAL and an * distinguishes it from other entries (as defined in the Address Book constants), you could type *TOTAL into the field, and the system would return 4100.

Carrier Name

The text that names or describes an address. This 40-character alphabetic field appears on a number of forms and reports. You can enter dashes, commas, and other special characters, but the system cannot search on them when you use this field to search for a name.

Excess Charges

Select the Excess Charges tab.

Excess Reason Code

A UDC (49/ES) that identifies the reason for excess transportation charges.

Responsibility Code

A UDC (49/EC) that identifies the responsible party for excess transportation charges.

Equipment

Select the Equipment tab.

Equipment Initial	The prefix or alphabetic part of an equipment unit's identifying number.
Equipment Number	The sequencing or serial part of an equipment unit's identifying number (a pure numeric form for equipment number is preferred but not required).
Transport	
Select the Transport tab.	
Mode of Trn	A UDC (00/TM) that describes the nature of the carrier being used to transport goods to the customer. For example, by rail, by road, and so forth.
Conditions of Transport	The conditions of transport (or terms of delivery) are taken from the F4201 table or the F4301 table. The Terms of Delivery field (FRTH) in the header file is only one character. To obtain the required three-character explanation for EU VAT reporting, the system uses the second explanation of category code 42/FR.
Route Code	The route field is a UDC (42/RT) that represents the delivery route on which the customer resides. This field is one of several factors used by the freight summary facility to calculate potential freight charges for an order. For picking, use the route code with the stop and zone codes to group all of the items that are to be loaded onto a delivery vehicle for a specific route. You set up a default for each of these fields on the Customer Billing Instruction form.
Stop Code	A UDC (42/SP) that represents the stop on a delivery route. This field is one of several factors used by the freight summary facility to calculate potential freight charges for an order. For picking, you can use the stop code with the route and zone codes to group all items that are to be loaded onto a delivery vehicle for a specific route. You set up the default for each of these fields on the Customer Billing Instructions form.
Shipping Commodity Class	A UDC (41/E) that represents an item property type or classification (for example, international shipment handling). The system uses this code to sort and process similar items. This field is one of three classification categories available primarily for inventory and shipping purposes.
Freight	
Select the Freight tab.	
Freight Handling Code	A UDC (42/FR) designating the method by which supplier shipments are delivered. For example, the supplier could deliver to the dock, or you could pick up the shipment at the supplier's dock. You can also use these codes to indicate who has responsibility for freight charges. For example, you can have a code indicating that the customer legally takes possession of goods as soon as they leave the supplier warehouse and is responsible for transportation charges to the destination.
Rate Code _ Freight/Misc	A UDC (41/RT) for freight rate. This designates the amount that the customer is charged for postage, freight, or other miscellaneous expenses for an order.

Apply Freight (Y/N)	An option that specifies whether the system performs freight calculations during processing. If you select this option, then the system performs freight calculations during processing.
AIA Document	A code that specifies whether, during the Accounts Payable payment processing cycle, the system prints an AIA (American Institute of Architects) format turnaround document, a Waiver of Lien document, or both. These documents print only when a contract payment is printed. If you choose to print progress payments for contracts on the standard A/P payment, you will not receive an AIA document or a Waiver of Lien document. Values are: Blank: Do not print AIA or Waiver of Lien documents. 1: Print AIA document only. 2: Print AIA document and Waiver of Lien document. 3: Print Waiver of Lien document only.

Reference Numbers

Select one of the Reference Numbers tabs (1 - 3) and complete any of the Reference Number Qualifier and Reference Number fields.

Reference Number Qualifier	A code that qualifies the Reference Number. It must conform to one of the accepted values for EDI X12 data element 128.
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Miscellaneous

Select the Misc tab.

Country	A UDC (00/CN) that identifies a country. The country code has no effect on currency conversion. The Address Book system uses the country code for data selection and address formatting.
Language	A UDC (01/LP) that specifies the language to use on forms and printed reports. Before you specify a language, a code for that language must exist at either the system level or in the user preferences.
Identifier Code Qualifier	A code that describes the system/method of code structure used for the Identifier Code. Must conform to one of the accepted values for the EDI X12 data element 66.
Identifier Code 1	A code that (when qualified by the Identification Code Qualifier code) helps to identify a shipment.

EDI

Select the EDI tab.

Type Code	If you enter a subledger type in this field for an account with a posting edit code of <i>S</i> or <i>L</i> , the system requires the subledger type during journal entry.
Address Number Type	This will indicate the address number that is associated with the order address information. Values are:

1: Sold-to Address Number (Sales Orders) or Supplier Address Number (Purchase Orders)

2: Ship-to Address Number

Revising Control Information

Access the Ship Notice Control Information Revisions form.

Control Information

Select the Control Information tab.

Transaction Set The qualifier used to identify a specific type of EDI Standard document or transaction.

EDI

Select the EDI tab.

Transaction Set Purpose A code (47/PU) that identifies the purpose of the transaction set. Refer to ANSI X.12 Data Item 353.

Acknowledgement Code A code that indicates the acceptance or rejection of an EDI transaction or message.

Acknowledgement Received An option that indicates whether an EDI transaction or message was received and acknowledged. Values are:

Blank: The EDI record has not been received or acknowledged.

1: The EDI record has been received and acknowledged.

Acknowledgement Time A time that an EDI acknowledgement was received. This time is for information only.

Miscellaneous

Select the Misc tab.

Shipment I.D The identification of a shipment made to a customer or from a supplier. This information is used in the Advanced Ship Notice EDI transaction. It can represent either the order number (DOCO), container i.d. (CNID), or delivery number (DELN) depending upon the way that the processing options are set in the Advanced Ship Notice Extraction program.

Send/Receive Indicator An indicator that determines whether a specific transaction set can be sent, received or both. Values are:

S: Send

R: Receive

B: Both

User Reserved

Select the User Reserved tab.

User Reserved Amount	This is a 15–position code that is reserved for the user.
User Reserved Number	This is an 8–position code that is reserved for the user.
User Reserved Reference	A 15–position code that is reserved for the user.

Revising Ship Notice Details for ASN Items

The following section provides an overview of ship notice details for ASN items and discusses how to revise ship notice details.

Understanding Ship Notice Details for ASN Items

The Work With Ship Notice Details program (P470371) is another entry point into ASN maintenance for revising detail records. You can use this program to revise, add or delete elements of the detail record that relate to item information.

Note. The Work With Ship Notice form (W47036C) allows you to navigate to the Work With Ship Notice Details form (W470371A). The details form is another find/browse form that lets you search for even more detailed information to make revisions. The header on the Work With Ship Notice Details form will contain the same search fields that are displayed on the Work With Ship Notice form. If you access the details form by using the Work With Ship Notice row exit, the system passes the values from the Work With Ship Notice form to the details form and displays them in the header. If you access the details form through the main menu, then the search fields in the header will be blank.

The following row exits exist to provide different views of the same ship notice detail record:

- Item Revisions
- Additional Item Revisions
- Order Revisions
- Totals Revisions
- Miscellaneous Revisions

The detail area of the Work With Ship Notice Details form (W470371A) displays the detail for the selected shipment. The rows reflect the hierarchical structure of the shipment levels (such as Shipments, Orders, Items, tares, and so forth). Each record contains a hierarchical level and code. The system populates the detail area starting with the highest level of the hierarchy at the top and the lowest level at the bottom.

For example, suppose that items roll up into orders, which roll up into shipments. The top of the grid will contain the overall shipment record followed by an order record and its related item records. If more than one order exists, the system displays them followed by their child items.

If you select a shipment-level record to delete, the system looks at the Allow Deletion of Sent Ship processing option on the Process tab in the Work With Ship Notice program (P47036) and determines whether you are authorized to delete the information. If the processing option is blank, the system issues an error message. After you delete a record, the system recalculates fields that are affected by the deletion.

After you select one of the row exits from the Work With Ship Notice Details form, you can view the specific fields that are tied to that level break. For example, if you want to view the item number located at the item level, you would select the item level and then select Item Revisions from the Row menu. Or, if you want to update the quantity of an item, you would select Totals Revisions from the Row menu.

Additionally, the Work With Ship Notice Details form interconnects with the following forms, where you can further revise all of the shipment details of an ASN:

- Ship Notice Revisions (Shipment) (W47036F)
- Order Address Information (W4006B)
- Work With ASN Packaging (W470371G)
- EDI ASN Demand Address Revisions (W470371I)
- Work With Ship Notice (W47036C)

Prerequisite

Set up the following UDCs:

- Pack Level (47/PL)
- Packaging Responsibility Code (47/PR)
- Packaging Terms (47/PT)

Forms Used for Revising Ship Notice Details for ASN Items

Form Name	Form ID	Navigation	Usage
Work With Ship Notice Details	W470371A	EDI Outbound menu (G40R14), Work With Ship Notice Details	Locate ship notice details.
Ship Notice Detail Revisions (Item)	W470371B	Work With Ship Notice Details, locate the ASN record and click Select.	Revise ASN item detail information.
On Ship Notice Detail Revisions (Additional Item)	W470371C	On Work With Ship Notices, locate the ASN record and select Addl Item Revisions from the Row menu.	Revise additional ASN item detail information.
Ship Notice Detail Revisions (Order)	W470371D	On Work With Ship Notice Details, locate the ASN record and select Order Revisions from the Row menu.	Revise ASN order detail information.
Order Address Information	W4006B	On Work With Ship Notice Details, locate the ASN record and select Address Revisions from the Row menu.	Revise ASN address information.
EDI Order Address Control Revisions	W4006C	On Order Address Information, select EDI Control from the Form menu.	Specify EDI control information for an address.
Ship Notice Detail Revisions (Miscellaneous)	W470371F	On Work With Ship Notice Details, locate the ASN record and select Misc Revisions from the Row menu.	Revise ASN miscellaneous information.
Work With ASN Packaging	W470371G	On Work With Ship Notice Details, locate the ASN record and select Packaging from the Row menu.	Locate ASN packaging information.
ASN Packaging Revisions	W470371H	On Work With ASN Packaging, locate the packaging information associated with the item and click Select.	Revise ASN packaging information.
EDI ASN Demand Address Revisions	W470371I	On Work With Ship Notice Details, locate the ASN record and select Demand Address Rev from the Row menu.	Revise ASN demand address information

Revising ASN Item Detail Information

Access the Ship Notice Detail Revisions (Item) form.

Work With Ship Notice Details - Ship Notice Detail Revisions (Item)

OK Cancel Form Tools

Sold To 400001 Centarian Enterprises Shipment Number 225

Ship To 800001 RoadMax, Inc. Hierarchical Level 1

Hierarchical Code 8

Select Tab: Item

2nd Item Number 880401 Light Bulb

Customer/Supplier Item Number CR01

Description Light Bulb

Description 2

Customer/Supplier Item Revision Level

Model Year 2004

Lot/SN 20853

Dock ID

Lot Serial Number

Pull Signal

Ship Notice Detail Revisions (Item) form

Item

Select the Item tab.

Customer/Supplier Item Number

The cross-reference item number that the system assigns to an item number. A cross-reference number allows you to use a supplier's item number if it is different from your own item number when you are processing an order or printing. You set up this number in the Item Cross-Reference program (P4104).

Customer/Supplier Item Revision Level

A reference number used to identify the revision level of the customer's item.

In item cross-reference, translating a customer or supplier external item number to the internal short item number, the customer's number only is not always sufficient. In some instances, the customer part number must be used in conjunction with the item revision level. This combination allows the system to uniquely identify the customer's item.

Lot Serial Number

A 30-character field to be used to additionally identify a specific lot of inventory; this may be the manufacturer's production run number or some user-assigned number. The serial number may be added to this lot during the receiving process or at any time thereafter.

Potency/Grade

Select the Potency/Grade tab.

From Potency

A number that indicates the minimum potency or percentage of active ingredients acceptable for an item.

The system displays a warning message if you try to purchase or issue items that do not meet the minimum acceptable potency. The system does not allow you to sell items that do not meet the minimum acceptable potency.

Thru Potency

A number that indicates the maximum potency or percentage of active ingredients that is acceptable for an item.

The system displays a warning message if you try to purchase or issue items that have a potency that exceeds the maximum potency acceptable. The system does not allow you to sell items that have a potency that exceeds the maximum potency acceptable.

From Grade

A UDC (40/LG) that indicates the minimum grade that is acceptable for an item.

The system displays a warning message if you try to purchase or issue items with grades that do not meet the minimum grade acceptable. The system does not allow you to sell items with grades that do not meet the minimum acceptable level.

Thru Grade

A UDC (40/LG) that indicates the maximum grade that is acceptable for an item.

The system displays a warning message if you try to purchase or issue items with grades that exceed the maximum grade acceptable. The system does not allow you to sell items with grades that exceed the maximum grade acceptable.

Reference

Select the Reference tab.

Item Number (Short)

An inventory item number. The system provides three separate item numbers plus an extensive cross-reference capability to other item numbers (see data item XRT) to accommodate substitute item numbers, replacements, bar codes, customer numbers, supplier numbers, and so forth. There are three types of item numbers:

Item Number (short): An eight-digit, computer-assigned item number

2nd Item Number: The 25-digit, free-form, user-defined alphanumeric item number

3rd Item Number: Another 25-digit, free-form, user-defined alphanumeric item number

Vendor Part Number

A number that identifies the vendor's part and is typically sent by the customer in an EDI message.

Pick Slip Number

A automatic next number that the system assigns. The system can use the pick slip number to track picking information through the system. This number is assigned during the printing of pick slips. The shipment confirmation program allows inquiry and confirmation by this number.

Date Time 2

Select the Date/Time (2) tab.

Scheduled Pick	The promised shipment date for either a sales order or purchase order. The Supply and Demand Programs use this date to calculate Available to Promise information. This value can be automatically calculated during sales order entry. This date represents the day that the item can be shipped from the warehouse.
Scheduled Pick Time	The time when the order is scheduled to be picked. Enter the time in the 24-hour format and include a leading zero if necessary.
G/L Date	A date that identifies the financial period to which the transaction is to be posted. The company constants specify the date range for each financial period. You can have as many as 14 periods. Generally, period 14 is used for audit adjustments. The system validates this field for PBCO (posted before cutoff), PYEB (prior year ending balance), PACO (post after cutoff), and WACO (post way after cutoff) messages.
Price Effective	A date that the system uses to determine the base price and all advanced price adjustments. The system stores the date in the F4009 table.

UCC 128/Packaging

Select the UCC 128/Packaging tab.

SSCC Number - Tare Level	The tare level Serialized Shipping Container Code. This code must conform to the UCC structure for SSCC numbers.
SCC Number	The Shipping Container Code. This code must conform to the UCC structure for SCC numbers.
UPC Number	The Universal Product Code number. This code must conform to the UCC structure for UPC numbers.
Shipping Conditions Code	A UDC (41/C) that represents an item property type or classification, such as special shipping conditions. The system uses this code to sort and process like items. This field is one of three classification categories available primarily for inventory and shipping purposes.
Heat Number	A number that is associated with primary metals.
Packaging Code	A code corresponding to one of the accepted values in the EDI X12 definition for data element 103. It is a combination of a Packaging Form (3 characters) and a Packaging Material (2 digits).

Category Code

Select the Category Code tab.

Demand Code 06	A three-character category code (UDC 40R/06) that is reserved for customer use.
Sales Catalog Section	One of ten category codes for sales coding purposes. These codes can represent such classifications as color, material content, or use.

Miscellaneous

Select the Misc tab.

Commodity Class	A UDC (41/P1) that represents an item property type or classification, such as commodity type, planning family, or so forth. The system uses this code to sort and process like items. This field is one of six classification categories available primarily for purchasing purposes.
Buying Segment Code	A value that groups customers with similar buying habits.
End Use	A UDC (40/EU) that identifies the end use of an order line and is used for duty reporting only. The system supplies a default value based on the End Use preference. You may override this value at order entry.
Duty Status	A UDC (40/DS) that identifies the duty status of an order line. You should only specify this value for duty reporting. The system supplies a default value based on the End Use preference. You can override this value at order entry.
Days Before Expiration	The number of days that are allowed before expiration for an item where it still can be used or sold to a specific customer. When negative, this number indicates the number of days after expiration for an item where it still can be used or sold to a specific customer. For example, if the expiration date for item 1001 is 06/01/98: • A value of 15 in Days Before Expiration means that this specific customer only accepts this item up to 05/15/98. • A value of -15 in Days Before Expiration means that this specific customer accepts this item up to 06/15/98.

User Reserved

Select the User Reserved tab.

User Reserved Code	This is a 2–position code that is reserved for the user.
User Reserved Date	This is a 6–position code that is reserved for the user.
User Reserved Amount	This is a 15–position code that is reserved for the user.
User Reserved Number	This is an 8–position code that is reserved for the user.
User Reserved Reference	A 15–position code that is reserved for the user.

EDI

Select the EDI tab and review the following fields:

Type Code	If you enter a subledger type code in this field for an account with a posting edit code of <i>S</i> or <i>L</i> , the system will require the subledger type during journal entry.
Address Number Type	This will indicate the address number that is associated with the order address information. Values are:

1: For sales orders, Sold-to Address Number. For purchase orders, Supplier Address Numbers.

2: Ship-to Address Number

Revising Additional ASN Item Detail Information

Access the Ship Notice Revisions (Additional Item) form.

Accounting

Select the Accounting tab.

Project Cost Center	The business unit from an account number. The account number business unit is usually found in the data item MCU. However, Distribution systems use the field MCU as the branch.
Object Account	The portion of a general ledger account that refers to the division of the Cost Code (for example, labor, materials, and equipment) into subcategories. For example, you can divide the Cost Code for labor into regular time, premium time, and burden. Note that if you use a flexible chart of accounts and the object account is set to 6 digits, PeopleSoft recommends that you use all 6 digits. For example, entering 000456 is not the same as entering 456 because if you enter 456 the system enters three blank spaces to fill a 6-digit object.
Subledger Type	A UDC (00/ST) that the system uses with the Subledger field to identify the subledger type and how the system performs subledger editing. On the User Defined Codes form, the second line of the description controls how the system performs editing. This is either hard-coded or user-defined. Values are: <i>A</i>: Alphanumeric field, do not edit. <i>N</i>: Numeric field, right justify and zero fill. <i>C</i>: Alphanumeric field, right justify and blank fill.
Account ID	A number that the system assigns to each general ledger account in the F0901 table to uniquely identify it.
Ledger Type	A UDC (09/LT) that specifies the type of ledger, such as AA (Actual Amounts), BA (Budget Amount), or AU (Actual Units). You can set up multiple, concurrent accounting ledgers within the general ledger to establish an audit trail for all transactions.
Sales Order Status 16	An option that indicates that a record is created by the Variance Journal Entries program (R31804).

Accounting 2

Select the Accounting 2 tab.

Sales Taxable	A code that indicates whether the item is subject to sales tax when you sell it. The system calculates tax on the item only if the customer is also taxable.
Tax Rate/Area	A code that identifies a tax or geographic area that has common tax rates and tax authorities. The system validates the code you enter against the F4008

table. The system uses the tax rate area in conjunction with the tax explanation code and tax rules to calculate tax and G/L distribution amounts when you create an invoice or voucher.

Tax Expl Code

A hard-coded UDC (00/EX) that controls the algorithm that the system uses to calculate tax and G/L distribution amounts. The system uses the tax explanation code in conjunction with the tax rate area and tax rules to determine how the tax is calculated. Each transaction pay item can be defined with a different tax explanation code.

Cross Dock

Select the Cross Dock tab.

Cross-Docking Flag

A code that associates items or order lines with cross-dock processing. This code might indicate whether an item or an order line is eligible for cross-docking, whether it was cross-docked, or whether it needs to be cross-docked. When it is assigned to an item or item-branch, this code indicates that the item or the item in the branch/plant is eligible for cross-docking. When it is assigned to an order line, this code indicates that the order line needs to be cross docked. Values are:

Blank: Cross-docking is inactivated.

1: Cross-docking is activated.

Cross-Dock Priority

The priority that the cross-docking system follows when assigning supply quantity to the sales orders. This priority indicates the sequence in which cross-docked sales orders are fulfilled for a given date. Sales order lines with a lower value receive a higher priority than lines with a higher value. The system performs only numeric edits on this value. If you do not specify a priority, or if the same priority is given to more than one order line, the orders will be fulfilled in the sequence of order number and order type.

Inventory

Select the Inventory tab.

Commitment Method

A code that indicates the method that the system uses to commit lot items from inventory. Values are:

1: The normal commitment method for inventory. The system commits inventory from the primary location and then from secondary locations.

The system commits inventory from the locations with the most inventory before committing inventory from locations with the least. The system commits backorders to the primary location.

2: The inventory commitment method by lot number. The system commits inventory by lot number, starting with the lowest lot number and committing orders to available lots.

3: The inventory commitment method by lot expiration date. The system commits inventory from the locations with the earliest expiration date first. The system considers only locations with expiration dates greater than or equal to the sales order or parts list requested date.

Printed Code	A code that indicates the action to take if the available quantity of an ordered item is less than the quantity ordered. Values are: <i>B</i>: The quantity that cannot be shipped is to be backordered. <i>C</i>: The quantity that cannot be shipped is to be canceled.
Warehouse Status Code	A code that indicates whether the sales order line has entered the warehousing process. Values are: Blank: The sales order line which is not yet being processed by the Warehouse Management system. <i>I</i>: The sales order line is being processed by the Warehouse Management system. Therefore, you cannot modify the line. <i>O</i>: The sales order line has already been processed by the Warehouse Management system.
Asset Number	An 8-digit number that uniquely identifies an asset.
Item Revision Level	A number that represents the revision level for an item. If you enter a revision level in this field, verify that the revision level of the routing for an item matches the revision level on the bill of material for the item.
Supplier Rebate Code	A UDC (41/P3) that represents an item property type or classification, such as commodity type, planning family, or so forth. The system uses this code to sort and process like items. This field is one of six classification categories available primarily for purchasing purposes.
Inventory Costing Method	A code that represents the inventory costing method. Each inventory item can have up to seven different unit costs. When processing a transaction, the system searches the individual item record to find which of the seven costs to use. The code you enter in this field is a backup in case the system cannot find a costing method specified in a particular item record. In the Inventory Management system, when you add a new item to branch/plant item information, the system goes to the constants for the specified branch/plant to find this costing method. This is a required field. Values are: <i>1</i>: Last-in cost <i>2</i>: Weighted average cost <i>3</i>: Memo cost 1 <i>4</i>: Current cost <i>5</i>: Future cost <i>6</i>: Lot cost <i>7</i>: Standard cost
Master Planning Family	A UDC (41/P4) that represents an item property type or classification, such as commodity type or planning family. The system uses this code to sort and process like items. This field is one of six classification categories available primarily for purchasing purposes.

Landed Cost Rule

A UDC (41/P5) that indicates the landed cost rule for an item.

The landed cost rule determines purchasing costs that exceed the actual price of an item, such as broker fees or commissions. You set up landed cost rules on the Landed Cost Revisions form.

Pricing

Select the Pricing tab

Adjustment Schedule

A UDC (40/AS) that identifies a price and adjustment schedule. A price and adjustment schedule contains one or more adjustment types for which a customer or an item might be eligible. The system applies the adjustments in the sequence that you specify in the schedule. You link customers to a price and adjustment schedule through the customer billing instructions. When you enter a sales order, the system copies the schedule attached to the sold to address into the order header. You can override this schedule at the detail line level.

For Agreement Management, this is the Agreement Penalty Schedule. The information in the Agreement Penalty Schedule provides the system with the criteria for an agreement to have penalty conditions.

Item Price Group

A UDC (40/PI) that identifies an inventory price group for an item.

Inventory price groups have unique pricing structures that direct the system to incorporate discounts or markups on items on sales and purchase orders. The discounts or markups are based on the quantity, dollar amount, or weight of the item ordered. When you assign a price group to an item, the item takes on the same pricing structure defined for the inventory price group.

You must assign an inventory price group to the supplier or customer, as well as to the item, for the system to interactively calculate discounts and markups on sales orders and purchase orders.

Price Adj. History Indicator

A code that indicates the existence of pricing history behind a given sales detail line. Values are:

1: Standard detail adjustments exist in the price history file. These adjustments might include accruals.

2: At least one of the adjustments in the price history file is a rebate accrual (ACNT = 5) and will be processed by Sales Update for purposes of sales volume history accumulation.

3: At least one of the adjustments in the price history file is a volume-level adjustment.

4: A volume-level adjustment and a rebate accrual exists in the price history file.

Price Code 1

A UDC (40/P1) that enables you to control pricing adjustments. You can associate this code with a preference profile.

When you specify a price code 1 in the preference, it fills or overrides this field in the sales order detail.

Miscellaneous

Select the Misc tab.

Transfer/Direct Ship Flag	A code that indicates whether the order line was created by a transfer order, a direct ship order, or all other order types. Values are: Blank: All other order types 1: Transfer order 2: Direct ship order
Backorders Allowed (Y/N)	An option that specifies whether to allow backorders for this item. You can allow backorders by item using the Item Master (P4101) program or, Item Branch/Plant (P41026) program. You can allow backorders by customer using the Customer Billing Instructions program (P03013). You can allow backorders by branch/plant using the Branch/Plant Constants program (P41001).
Matrix Control Line Number	A number that the system uses to group line numbers on a purchase order or sales order for use in a matrix. Although the number is generated automatically, you can override it.
Configurator Print Flag	A UDC (32/PF) that indicates whether the system prints the configurator part on the sales order and work order. The system uses the value that you enter in this field to affect programs such as Print Pick Slips (R42520), Print Invoices (R42565), Bill of Lading (R42530), and parts list on Work Order Print (R31415). Values are: 0: Do not print the configurator part on the sales order or the work order. 1: Print the configurator part on both the sales order and the work order. 2: Print the configurator part on the sales order only. 3: Print the configurator part on the work order only.
Kit	
Select the Kit tab.	
Related Kit Component	In the Sales Order Management system, when a kit component is defined in the F3002 table as a second level or higher item, it will be grouped and stored in the F4211 table under a related kit component. This relationship is maintained so that the system can perform kit balancing on the kit throughout the order processing cycle.

Revising ASN Order Detail Information

Access the Ship Notice Detail Revisions (Order) form.

Order Information

Select the Order Information tab.

Order Company	A number that, along with order number and order type, uniquely identifies an order document (such as a purchase order, a contract, a sales order, and so forth). If you use the Next Numbers by Company/Fiscal Year functionality, the Automatic Next Numbers program (X0010) uses the order company to retrieve the correct next number for that company. If two or more order documents
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have the same order number and order type, the order company lets you locate the desired document.

If you use the regular Next Numbers functionality, the order company is not used to assign a next number. In this case, you probably would not use the order company to locate the document.

Hold Orders Code

A UDC (42/HC) that identifies why an order is on hold.

Revision Reason

A UDC (42/RR) that indicates why a sales order was revised.

Order Information

Select the Order Information 2 tab.

Related PO/SO/WO Number

A number that identifies a secondary purchase order, sales order, or work order that is associated with the original order. This number is for informational purposes only.

Related PO/SO/WO Order Type

A UDC (00/DT) that indicates the document type of the secondary or related order. For example, a purchase order might be document type OP and might have been created to fill a related work order with document type WO.

Related PO/SO Line Number

A number of the detail line on the related order for which the current order was created. For example, on a purchase order created to fill open sales orders, this is the line number of the sales order on which the item you are ordering appears.

Invoice

Select the Invoice tab.

Priority Processing Code

A code that tells the system to handle this customer's orders on a priority basis. Use this value to set up print pick slips so you can choose to print them on a priority basis. The system assigns this code from the Customer Billing Instructions.

In addition, the backorder print report and automatic batch release program can be sequenced by this code to release those orders with the highest priority first.

Address

Select the Address tab.

Parent Number

The address book number of the parent company. The system uses this number to associate a particular address with a parent company or location. Any value that you enter in this field updates the F0150 table for the blank structure type. This address number must exist in the F0101 table for validation purposes.

Payment

Select the Payment tab.

Discount Days

The number of days after the invoice date that an invoice or voucher must be paid in order to receive the discount. The system adds the number of days specified to the invoice due date to calculate the discount due date.

Discount %	The percent of the total invoice or voucher that you will discount if it is paid within the discount period. You enter the discount percent as a decimal, for example, a 2 percent discount is <i>02</i> ..
Trade Discount	Percentage by which the system reduces the price of each item. This is the only discount that will be applied. You can override it if you enter a price. Enter the percentage as a whole number (that is, 5 for 5 percent).
Discount Factor	The factor that the system applies to the unit price of an inventory item to determine the net price. The system retrieves this value from the inventory pricing rules if you have assigned a rule to this item. The pricing rule setup determines if the system multiplies the unit price by this value or adds to or deducts from the unit price.
Discount Factor Type - \$ or. %	On the Item Price Category Revisions form , a \$ indicates that the numeric type is an added amount, and a % indicates the factor is a multiplier.
Cash Discount %	A discount which is passed forward from the manufacturer or mill to the customer based upon the payment terms of the supplier. Enter 10 percent as <i>10.00</i> .
Payment Terms	A code that specifies the terms of payment, including the percentage of discount available if the invoice is paid by the discount due date. You define each type of payment term on the Payment Terms Revisions form. Examples of payment terms include: Blank: Net 15 <i>001</i> : 1/10 net 30 <i>002</i> : 2/10 net 30
Payment Terms Override Flag	An option that indicates that the payment terms were manually entered or changed. Preferences do not override manually entered payment terms.
Net Days to Pay	The number of days that the system adds to the invoice date to calculate the due date on the invoice or voucher. If you are using split payment terms, the system uses the value from this field to calculate the due date for the first split pay item.
Based on Date	A code that determines how the system updated the Price Effective Date field in various Sales Order Management tables. You can enter the code manually or the system can apply a preference. Values are: Blank: No override or preference <i>0</i> : Transaction or order date <i>1</i> : Requested date <i>2</i> : Promised ship date <i>3</i> : Original ship date <i>4</i> : Actual ship date <i>5</i> : System date <i>6</i> : Invoice date <i>7</i> : Preferred date

O: Override date

Prox Date Day

The day that the voucher or invoice is due. The system uses this field in conjunction with the value in the Proximate Month field (PXDX) to calculate the due date.

For example, if the proximate month is 1 and proximate day is 15, the system calculates the due date as the 15th of the next month.

Miscellaneous

Select the Misc tab.

Line of Business

A UDC (40/LB) that identifies a customer's line of business.

Loc. Tax Code

A UDC (46/LT) that indicates whether the location contains tax-paid inventory (in-bond vs. duty paid). If an item has an assigned tax code, the system puts the item away only in locations with the same tax code.

You assign tax codes to items through the Item Profile program(P46010).

Payment Instrument

A UDC (00/PY) that specifies how payments are made by the customer. For example:

C: Check

D: Draft

T: Electronic funds transfer

Nature of Transaction

Defines whether the movement of goods is for sale, lease, and so forth. For European Union VAT reporting, you can input the nature of transaction codes using one of the UDCs on the Sales Order Detail Revisions form or the Order Detail form (for Procurement).

For Procurement, use UDCs 41/P1 through 41/P5.

For Sales, use UDC 40/S1 through 40/S5.

The Intrastat Workfile Generation - Sales program (R0018I1) and Intrastat Workfile Generation - Purchase program (R0018I2) update the information in the F0018T table if you specify the UDC you are using (41/P1 through 41/P5 or 40/S1 through 40/S5) in the appropriate processing option for the generation program. You can also enter the data directly in the Intrastat Workfile Revision program (P0018T).

Project Number

A number that identifies an ETO project in the system. The project must be set up in the Add/Revise Project program (P31P011).

G/L Offset

A code that determines the trade account that the system uses as the offset when you post invoices or vouchers. The system concatenates the value that you enter to the AAI item RC (for Accounts Receivable) or PC (for Accounts Payable) to locate the trade account. For example, if you enter *TRAD*, the system searches for the AAI item RCTRAD (for receivables) or PCTRAD (for payables).

You can assign up to four alphanumeric characters to represent the G/L offset or you can assign the three-character currency code (if you enter transactions in a multicurrency environment). You must, however, set up the corresponding

AAI item for the system to use; otherwise, the system ignores the G/L offset and uses the account that is set up for PC or RC for the company specified.

If you set up a default value in the G/L Offset field of the customer or supplier record, the system uses the value during transaction entry unless you override it.

Note. Do not use code 9999. It is reserved for the post program and indicates that offsets should not be created.

Revising ASN Address Information

Access the EDI Order Address Control Revisions form.

Record Type	The identifier that marks EDI transaction records as header and detail information. This is an EDI function only.
Batch Number	The number that the transmitter assigns to the batch. During batch processing, the system assigns a new batch number to the PeopleSoft transactions for each control (user) batch number that it finds.

Revising ASN Miscellaneous Information

Access the Ship Notice Detail Revisions (Miscellaneous) form.

Order

Select the Order tab.

Change Order	The number of times this purchase order has been modified. You can locate a specific change order number to review the fields that were modified.
Discount Application Type	The sales order processing system uses this field to indicate the type of discount given to the sales order. Values are: Blank: Regular pricing (including repricing) 1: Contract Pricing

Transport

Select the Transport tab.

Port of Entry or Exit	The port from which or to which the goods were shipped. For VAT reporting, certain countries require information about the port of exit or entry. You specify the port of entry or exit when creating a purchase order by using the PO Receipts program (P4312), when creating a sales order by using the Sales Order Entry program (P4210), when confirming shipments by using the Shipment Confirmation program (P4205), or by using the Intrastat Revision program (P0018T). Set up valid values in UDC 40/PE.
Ship Date Overridden	A code that indicates which date fields were entered in Order Entry. Values are: 1: Pick date (PDDJ) entered. 2: Delivery date (RSDJ) entered.

- 3: Pick date and Delivery date entered.
- 4: Ship date (PPDJ) entered.
- 5: Pick date and Ship date entered.
- 6: Ship date and Delivery date entered.
- 7: Pick date, Ship date and Delivery date entered.

Business Unit

Select the Business Unit tab.

Business Unit

An alphanumeric code that identifies a separate entity within a business for which you want to track costs. For example, a business unit might be a warehouse location, job, project, work center, branch, or plant.

You can assign a business unit to a document, entity, or person for purposes of responsibility reporting. For example, the system provides reports of open accounts payable and accounts receivable by business unit to track equipment by responsible department.

Business unit security might prevent you from viewing information about business units for which you have no authority.

Revenue Cost Center

A business unit is an accounting entity required for management reporting. It can be a profit center, department, warehouse location, job, project, work center, branch/plant, and so forth.

This business unit is from the business unit entered on the header of a sales/purchase order for reporting purposes.

This data is always right justified on entry (for example, CO123 would appear as _____CO123). A security mechanism has been provided to inhibit users from entering or locating business units outside the scope of their authority.

Other

Select the Other tab.

Delivery Number

A automatic next number assigned by the system that can be used to track deliveries through the system. This number is assigned during the printing of delivery notes.

Line Type

A code that controls how the system processes lines on a transaction. It controls the systems with which the transaction interfaces, such as General Ledger, Job Cost, Accounts Payable, Accounts Receivable, and Inventory Management. It also specifies the conditions under which a line prints on reports, and it is included in calculations. Values are:

S: Stock item

J: Job cost

N: Nonstock item

F: Freight

T: Text information

M: Miscellaneous charges and credits

	<i>W</i> : Work order
Committed (H/S)	A value that indicates whether you specified the source location and lot for a particular item. If you specified a storage area, the program assigns a <i>H</i> (hard) commit, and subsequent programs will not determine which location and lot to use to satisfy the order line. If you did not specify a storage area, the program assigns a <i>S</i> (soft) commit and attempts to determine which location and lot records can best satisfy the order line quantity. Values are: <i>S</i>: Soft committed. <i>H</i>: Hard committed. <i>C</i>: Hard committed by commitment program. <i>K</i>: Kit Master line (no commitment). <i>N</i>: Work order (no commitment).
Kit Master Line Number	This line number indicates the relative sequence in which a component is added to a kit or single level bill of materials. For example, the system automatically assigns a whole number to the kit master line, for example, 1.0000. Each component line is assigned a consecutive subset of that line number, for example, the first component has line 1.010, and the second component has 1.020.
Transport	A number that indicates the sequence of the components on a bill of material. It initially indicates the relative sequence in which a component was added to a kit or single level bill of material. You can modify this number to change the sequence in which the components appear on the bill of material.
Order Suffix	In the A/R and A/P systems, a code that corresponds to the pay item. In the Sales Order Management and Procurement systems, this code identifies multiple transactions for an original order. For purchase orders, the code is always <i>000</i>. For sales orders with multiple partial receipts against an order, the first receiver used to record receipt has a suffix of <i>000</i>, the next has a suffix of <i>001</i>, the next <i>002</i>, and so forth.

Control Information

Select the Control Information tab.

Status Code - Next	A UDC (40/AT) that indicates the next step in the order flow of the line type.
Status Code - Last	A UDC (40/AT) that indicates the last step in the processing cycle that this order line has successfully completed.

Revising ASN Packaging Information

Access the ASN Packaging Revisions form.

Packaging

Select the Packaging tab.

Packaging Code	A code that corresponds to one of the accepted values in the EDI X12 definition for data element 103. It is a combination of a Packaging Form (3 characters) and a Packaging Material (2 digits).
Standard Pack	A number that indicates the standard quantity within a container.
Number of Packages	The total quantity of an item to be reworked or scrapped as a result of an ECO disposition.
Container Code	A UDC (46/EQ) that identifies a storage container or a shipping carton. A storage container can be an open container where items are stored on the container (for example, a pallet), or a closed container where items are stored in the container (for example, a box). You use the Container and Carton Codes program (P46091) to define storage containers.
Pack Level	A UDC (47/PL) that defines the packaging hierarchy. For example, you can specify whether the packaging hierarchy is inner or outer.
Expendable Container	An option that indicates whether a container is expendable and, therefore, can incur a sales order charge. Values are: Blank: The container is not expendable. 1: The container is expendable.
Returnable Container Part Number	The cross-reference item number that the system assigns to an item number. A cross-reference number allows you to use a supplier's item number if it is different from your own item number when you are processing an order or printing. You set up this number in the Item Cross-Reference program (P4104).
Packaging Responsibility	A UDC (47/PR) that identifies the agency that is responsible for packaging.
Package Terms	A UDC (47/PT) that identifies packaging terms and conditions.
Serial Number	A 25-character alphanumeric number that you can use as an alternate asset identification number. You might use this number to track assets by the manufacturer's serial number. You are not required to use a serial number to identify an asset. Every serial number that you enter must be unique.
Label Data Identifier	A value that specifies the type of label for the advance ship notice (ASN).
Weight	
Select the Weight tab.	
Item Weight	The weight of goods currently in a location. The system calculates this amount from the weight from the item/unit of measure profile and the weight of the container if the level 1 unit of measure for this location detail has a storage container.
Gross Weight	The gross weight of one unit of the item in this unit of measure, or the weight of an empty storage container or shipping carton. These values default from the F4602 table and the system uses the values in maximum weight calculations for specified locations during putaway.

Revising ASN Demand Address Information

Access the EDI ASN Demand Address Revisions form.

Party Type	A code that identifies the type of party in an EDI message. This code is typically the first element of the N1 segment of an X12 transaction set.
ID Type	A UDC (40R/ID) that indicates the type of identification number.
Ctry	A UDC (00/CN) that identifies a country. The country code has no effect on currency conversion. The Address Book system uses the country code for data selection and address formatting.

Adding a Child Record

This section provides an overview of child records and discusses how to add a child record.

Understanding Child Records

When you run the EDI Advanced Ship Notice Extraction (R47032), the system updates the RecordID and Parent fields for each hierarchical level. The RecordID data item contains a unique value for each record in the hierarchy. The Parent data item contains the RecordID value of its parent's record. This allows a direct parent/child link between each record in the ASN database.

The parent/child functionality allows you to add a child record between two hierarchical level breaks. Each level break represents a subset of the fields that are associated with the level break. When you add a child record, the system:

1. Stores the key fields of the selected record as variables.
2. Verifies the hierarchical level to ensure that a new record is not being added to the lowest level hierarchical level.
3. Decrements the EDI Line Number value by 0.001.

If a detail record contains that EDI Line Number then the system decreases its EDI Line Number .001. If there is a detail record that has that number, then it is decreased by .001, and so forth.

If the EDI Line Number on a record changes, then that change must be made to all related records within the ASN database.

4. Displays the new record on the Work With Ship Notice Details form below the original record selected in the detail area.

The system determines the hierarchy level of the new child record. If you attempt to add a child to the lowest hierarchy level record, the system issues an error.

Forms Used for Adding a Child Record

Form Name	Form ID	Navigation	Usage
Work With Ship Notice Details	W470371A	EDI Outbound menu (G40R14), Work With Ship Notice Details. On Work With Ship Notice Details, locate the ASN record and select Add Child from the Row menu.	Locate ship notice details.

Analyzing ASN Date and Time Intervals

This section provides an overview of ASN on-time analysis and discusses how to run the ASN On-Time Analysis Report (R470361) program.

Understanding On-Time Analysis

You can analyze date and time intervals that occur during the ASN process, which allows you to judge the efficiency and determine time lags of your ASN process in order to correct problems. For example, you can compare the dates and times for the following events:

- Ship confirm vs. ASN creation
- Ship confirm vs. EDI transmission
- ASN creation vs. acknowledgment
- EDI transmission vs. acknowledgment

You can use the Exception Time processing options on the Process tab to restrict the report to only those shipments in which at least one of the intervals exceeds a specified length of time. By default the system does not display the dates and times used when calculating intervals. Use the Print Date Time processing option on the Print tab to specify whether to print dates and times below the calculated value.

The system uses the following tables for processing this report:

- F47036
- F470371

Running the ASN On-Time Analysis Report (R470361)

Reports menu (G40R111), ASN On-Time Analysis.

Analyzing Acknowledgment Activity

This section provides an overview of acknowledgment activity analysis and discusses how to run the Acknowledgment Accuracy Analysis Report (R47191).

Understanding Acknowledgment Activity

You can analyze acknowledgment activity related to specific shipments and invoices. Each acknowledgement provides information pertaining to the acceptance or rejection of the EDI Transaction Message along with up to five reasons why the ASN was accepted or rejected. You can optionally choose to review detailed error information related to the specific segments and elements.

The system provides two versions of this report. ZJDE0001 provides default data selection where the message being acknowledged is the ASN (856 or DESADV). ZJDE0002 provides data selection where the message being acknowledged is an Invoice (810 or INVOIC).

Running the Acknowledgment Accuracy Analysis Report (R47191)

Reports menu (G40R111), Acknowledgment Accuracy Report.

Recalculating ASN Information

This section provides an overview of ASN recalculation and discusses how to recalculate a single ASN record.

Understanding ASN Recalculation

After you revise ASN information in the Work With Ship Notice program (P47036), you can run the ASN ReCalculate report (R47035) to recalculate fields for the ASN. This report does not use processing options, but you must set up a version for data selection. The system processes records that are contained in the F470371 table and then recalculates, beginning at the lowest hierarchical level of an ASN.

Note. This report is designed to mass update records. You can run this report over single ASN records from the Work With Ship Notice program.

The system recalculates the following fields when you run this report:

Field	Description
SOQS	Quantity Shipped
UORG	Units - Order/Transaction Quantity
SOBK	Units - Qty Backordered/Held
SOCN	Units - Quantity Canceled/Scrapped
SONE	Units - Future Quantity Committed
UOPN	Units - Open
QTYT	Units - Shipped to Date
QRLV	Units - Relieved

Field	Description
URAT	User Reserved Amount
SCCQ	SCC Quantity
UPQT	UPC Quantity
AEXP	Amount - Extended Price
ECST	Amount - Extended Cost
TCST	Extended Cost - Transfer
PQQR	Units - Primary Quantity Ordered
ITWT	Unit Weight
ITVL	Unit Volume
GRWT	Gross Weight
FEA	Amount - Foreign Extended Price
FEC	Amount - Foreign Extended Cost

Forms Used for Recalculating an ASN Record

Form Name	Form ID	Navigation	Usage
Work With Ship Notice Details	W470371A	EDI Outbound menu (G40R14), Work With Ship Notice Details. To recalculate multiple records, select ASN Recalculate from the menu.	Recalculate a single ASN record

Recalculating a Single ASN Record

Access the Work With Ship Notice Details form. Locate the record and select Recalculate from the Row menu.

Running the R47032 Conversion Program (R47032C)

EDI Outbound menu (G40R14), R47032 Conversion Program.

This program extracts ASN information and creates a comma-delimited flat file.

Purging EDI ASN Records

Demand Advanced and Technical Ops menu (G40R31), Purge Outbound Shipping EDI.

You run the Purge EDI ASN Records program (R47039) to delete records from the F47036 table, as well as the following subordinate tables, based on data selection:

- F470371
- F4714
- F470371T
- F4715
- F4706
- F470372
- F470373
- F470374
- F470375

The system uses the combined key values of EDI Document Number, EDI Document Type and EDI Document Company to delete child records in the EDI ASN tables.

CHAPTER 8

EDI Acknowledgment Documents (997/CONTRL and 824/APERAK)

This chapter provides overviews of EDI acknowledgment documents, acknowledgment preferences, and discusses how to:

- Work with inbound EDI acknowledgment records.
- Purge inbound EDI acknowledgment records.

Understanding Acknowledgment Documents

Acknowledgements are EDI messages that confirm that the original message you sent was received. Acknowledgements can convey a simple acceptance of the EDI message or display detailed error information that was found on the message. The system can also automatically notify you if the message was accepted or rejected. For example, the system notifies you if there are no acknowledgments received within a certain period of time that the Advanced Ship Notice (ASN) was sent.

The system populates the EDI (System 47) tables with the data from the Acknowledgement EDI message. The system processes the acknowledgement, updates the appropriate Advance Ship Notice record and the F47046 table, and then sends an acknowledgement notification using workflow.

The system receives acknowledgements through the following messages:

- Functional Acknowledgements (997/CONTRL)
- Application Advice (824/APERAK)

Functional Acknowledgments enable the sender of the original message to know if there were any enveloping or structural errors. For Functional Acknowledgments, the system does not evaluate the content of the message.

For Application Advice, the system evaluates the content of the message and returns an Application Advice to relay any errors on the content of the message.

Note. Some customers may use the Receiving Advice (861/RECADV) essentially as an 824/APERAK document. In such cases, you can map 861 messages into the acknowledgment tables.

Understanding Acknowledgment Preferences

During setup, you must specify whether workflow will run based on the following preferences:

- Ship-to/Sold-To
- Acknowledgment Code

- Message Being Acknowledged

For example, you can set up preferences to run workflow for all Sold-To/Ship-To values, but only for Advance Ship Notices that are rejected. If the system generates an acknowledgment with an *R* (rejected) code for an 856 Message Being Acknowledged, the system returns a *I* indicating that a workflow message needs to be sent. The message will contain a link to the appropriate record on the Work with EDI Acknowledgments form.

Working with Inbound EDI Acknowledgment Records

This section provides an overview of inbound EDI acknowledgment records and discusses how to:

- Add an acknowledgment header record.
- Review acknowledgment errors.
- Enter error notes for error details
- Revise name and address information for acknowledgments.
- Revise reference information for acknowledgments
- Set processing options for Inbound EDI Acknowledgment Inquiry (P47191)
- Run the Inbound EDI Acknowledgment Purge (R47188)

Understanding Inbound EDI Acknowledgment Records

You can search for particular acknowledgment records and revise information or investigate errors as necessary. You use the Inbound EDI Acknowledgment Inquiry program (P47191) to search for, revise or delete a particular acknowledgement and investigate errors that occur during acknowledgment processing. You can revise error details or multiple error detail records at once. You can also add notes to a specific error detail record. You locate the records based on the EDI Document Number and the Transaction Set, and you can specify date ranges to refine the search for records. The system updates the Advance Ship Notice and electronic invoice tables with acknowledgment information.

You can also use this application to view or edit the names, addresses and reference information associated with acknowledgment records.

The system uses the following tables for processing acknowledgments:

Table Name	Description
F47191	Contains a record for each acknowledgment that is received. Contains data about the acknowledgment as a whole.
F47192	Contains details of errors reported on the ASN. Elements include the position of the segment in error and element error code.
F47198	Contains any notes that accompany an error segment.
F47196	Contains party qualifiers, codes and names that were received through the EDI message

Table Name	Description
F47194	Contains any reference qualifier and numbers that are associates with either the header information or the error detail information.
F47046	Contains information about related acknowledgments. You can quickly find records based upon acknowledgment information.

Prerequisite

Set up the following user-defined codes (UDCs) for acknowledgments:

- Transaction Type (00/TT)
- EDI - Transaction Set Number (40/ST)
- Acknowledgment Code (47/AC)
- Segment Note Code (47/NC)
- Transaction Set Error Reason Code (47/RC)
- Element Error Code (47/EC)
- Original Message (47/OM)

Forms Used for Revising Acknowledgement Records

Form Name	Form ID	Navigation	Usage
Work With EDI Acknowledgments	W47191A	EDI Inbound (G40R11), Acknowledgment.	Locate acknowledgment records.
EDI Acknowledgement Header Revisions	W47191B	On Work with EDI Acknowledgments, locate the record and click Add.	Add an acknowledgment header record
EDI Acknowledgment Error Detail Revisions	W47191E	On Work With EDI Acknowledgments, locate the record and select Error Detail from the Row menu.	Review acknowledgment errors.
EDI Acknowledgment Notes Revisions	W47191H	On EDI Acknowledgment Error Detail Revisions, select Error Notes from the Row menu.	Enter error notes for error details.
EDI Acknowledgment Name and Address Revisions	W47191F	On Work With EDI Acknowledgments, locate the record and select Name and Address from the Row menu.	Revise name and address information for acknowledgments
EDI Acknowledgment Reference Revisions	W47191G	On Work With EDI Acknowledgments, locate the record and select Reference Revision from the Row menu.	Revise reference information for acknowledgments

Adding an Acknowledgment Header Record

Access the EDI Acknowledgement Header Revisions form.

Messages

Select the Message tab.

Document Number	The document number that is assigned by the transmitter in an EDI transaction. In a non EDI environment, this would be consistent with the order number assigned at order entry time (DOCO).
Record Sequence	An identifier that the system uses to assign the relative position within the header or detail information of an EDI transaction; for example, H01, H02, D01, and so forth.
Transaction Set	The qualifier that identifies a specific type of EDI transaction.
EDI Transmission Date	The specific date that an EDI transaction was either transmitted or received.
EDI Transmission Time	The time that the EDI transmission occurred. A third-party translator supplies this value.
Acknowledgment Code	A UDC (47/AC) that specifies whether an EDI message was accepted or rejected.

Acknowledged Message Matched	A value that indicates the record in the acknowledged message was updated with the date and time of acknowledgment.
Transaction Acknowledged	A value that identifies the original transaction or message that is being acknowledged.
Message Reference Number	A number that identifies the message that the system is acknowledging.
Shipment Number	A next number that uniquely identifies a shipment.
Invoice Number	A number that identifies an original document. This document can be a voucher, a sales order, an invoice, unapplied cash, a journal entry, and so forth.
Bill of Lading Number	A number that appears on the bill of lading and that the system sends on an EDI Acknowledgment transaction set. This number typically exists in the F4217 table.
Customer Reference Number	A number that identifies the customer.
Customer/Supplier Item Number	The cross-reference item number that the system assigns to an item number. A cross-reference number allows you to use a supplier's item number if it is different from your own item number when you are processing an order or printing. You set up this number in the Item Cross-Reference program (P4104).
Batch Number	The number that the transmitter assigns to the batch. During batch processing, the system assigns a new batch number to the PeopleSoft transactions for each control (user) batch number it finds.
Sender ID	Identification code published by the sender for other parties to use as the receiver ID to route data to them; the sender always codes this value in the sender ID element.
Receiver ID	Identification code published by the receiver of the data. When sending, it is used by the sender as their sending ID, thus other parties sending to them will use this as a receiving ID to route data to them.
In Question	The number of units that are in question on an EDI Receiving Advice.
Quantity	The total quantity requested.
Total Order	The total dollar value of the order which is the sum of all the extended line amounts. This amount does not include taxes.
CUM Shipped	The cumulative quantity that was shipped for a Sold To or a Ship To location.
UoM	A UDC (00/UM) that indicates the quantity in which to express an inventory item, for example, CS (case) or BX (box).

Dates and Times

Select the Dates and Times tab.

Actual Shipment Date	The date on which the shipment to the customer is confirmed as shipped. During shipment confirmation, the system updates the F4211 table with this date.
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Actual Shipment Time	The actual time of shipment. Enter the time using the 24-hour time format (HHMMSS). For example, enter 6:00 a.m. as 060000, and enter 7:00 p.m. as 190000.
ASN Shipment Time Code	A code that typically identifies the time zone associated with the shipment time reported on the advance ship notice (ASN).
Invoice Date	The date that either you or the system assigns to an invoice or voucher. This can be either the date of the supplier's invoice to you or the date of your invoice to the customer.
Invoice Time	The time that is reported on the invoice.
Invoice Time Code	A code that typically identifies the time zone associated with the time reported on the invoice.
EDI Process Date	The date on which the customer processed the EDI transaction.
EDI Process Time	The time that the customer processed the EDI transaction.
EDI Process Time Code	A code that typically identifies the time zone associated with the EDI transaction that the customer processes.
Reason Code	
Select the Reason Code tab.	
Error Reason Code 1	A UDC (47/RC) that identifies the reason for an EDI error.
EDI	
Select the EDI tab.	
Transaction Set Purpose	Code identifying purpose of transaction set. Refer to UDC table 47/PU. The 1st character of the 2nd description in that table controls how the transaction is processed. Refer to ANSI X.12 Data Item 353.
Record Type	The identifier that marks EDI transaction records as header and detail information. This is an EDI function only.
Send/Receive Indicator	Indicator used to identify if a specific transaction set can be sent, received or both. Values are: S: Send R: Receive B: Both
Translation Format	The qualifier used to identify a specific mapping structure used to process both inbound and outbound EDI transactions. This does not apply to non-EDI transactions.
Line Number	This is the line number you assign when originating an EDI transaction. This number can represent an order line number (applicable for any order type), an invoice pay item, a journal entry line number, and so forth.

Processed (Y/N)	An option that indicates whether a record has been successfully processed. Depending on the application, the system updates the EDSP field in a table with one of the following values: Blank: The record has not been processed. <i>I</i> : The record has been successfully processed.
Number of Detail Lines	The number of detail lines transmitted in an EDI transaction. This is the total number of lines on a per order basis, number of lines included on an invoice, and so forth.

Reviewing Acknowledgment Errors

Access the EDI Acknowledgment Error Detail Revisions form.

Record Type	The identifier that marks EDI transaction records as header and detail information. This is an EDI function only.
Line Number	The line number that you assign when originating an EDI transaction. This number can represent an order line number (applicable for any order type), an invoice pay item, a journal entry line number, and so forth.
Error Code	A UDC (47/EC) that indicates the type of error found after syntax edits of a data element.
Copy of Bad Element	A copy of the data element in error.
Segment ID	A value that identifies the EDI segment that has an issue.
Position	A value that identifies the position of the segment within the EDI message that contains the error.
Segment Error ID	A code that identifies the error in a segment, which is defined by the Segment ID field.
Code	A code that identifies the loop within the message that contains errors.
Reference Number	A reference number that identifies the data element that contains an error.
Data Element New Content	A description of the new data element.
# Lines	The number of detail lines transmitted in an EDI transaction. This is the total number of lines on a per order basis, number of lines included on an invoice, and so forth.
S/R Ind	Indicator used to identify if a specific transaction set can be sent, received or both. Values are: <i>S</i> : Send <i>R</i> : Receive <i>B</i> : Both
Translation Format	The qualifier used to identify a specific mapping structure used to process both inbound and outbound EDI transactions. This does not apply to non-EDI transactions.

S P

An option that indicates whether a record has been successfully processed. Depending on the application, the system updates the EDSP field in a table with one of the following values:

Blank: The record has not been processed.

I: The record has been successfully processed.

Record Seq

An identifier that the system uses to assign the relative position within the header or detail information of an EDI transaction (for example, H01, H02, D01, and so forth).

Entering Error Notes for Error Details

Access the EDI Acknowledgment Notes Revisions form.

Free Text Qualifier

A value that identifies free text in an EDI message.

Free Text

Free text that is used in an EDI message. A free text qualifier usually identifies this text.

Revising Name and Address Information for Acknowledgments

Access the EDI Acknowledgment Name and Address Revisions form.

Acknowledgements - EDI Acknowledgment Name and Address Revisions

OK Delete Cancel Tools

Document Number

*

EDI Transmission Date

*

Transaction Set

Default - Trans. Set ID 40/ST

Records 1 - 1

Customize Grid

	Party Type	Party Type Description	ID Type	Party ID	Party Name	ID Type Description

EDI Acknowledgment Name and Address Revisions form

Party Type

A code that identifies the type of party in an EDI message. This code is typically the first element of the N1 segment of an X12 transaction set.

ID Type

A UDC (40R/ID) that indicates the type of identification number.

Record Type

The identifier that marks EDI transaction records as header and detail information. This is an EDI function only.

Program ID

The number that identifies the batch or interactive program (batch or interactive object). For example, the number of the Sales Order Entry interactive program is *P4210*, and the number of the Print Invoices batch process report is *R42565*.

The program ID is a variable length value. It is assigned according to a structured syntax in the form TSSXXX, where:

T: The first character of the number. This character is alphabetic and identifies the type (such as *P* for Program, *R* for Report, and so forth). For example, the value *P* in the number P4210 indicates that the object is a program.

SS: The second and third characters of the number are numeric and identify the system code. For example, the value *42* in the number P4210 indicates that this program belongs to system 42, which is the Sales Order Processing system.

XXX: The remaining characters of the program ID are numeric and identify a unique program or report. For example, the value *10* in the number P4210 indicates that this is the Sales Order Entry program.

Party Name	The name of the party that is identified by the party type and party ID in an EDI message.
Batch Number	The number that the transmitter assigns to the batch. During batch processing, the system assigns a new batch number to the PeopleSoft transactions for each control (user) batch number that it finds.
# Lines	The number of detail lines transmitted in an EDI transaction. This is the total number of lines on a per order basis, number of lines included on an invoice, and so forth.
S/R Ind	An indicator that specifies if a specific transaction set can be sent, received or both. Values are: <i>S</i> : Send <i>R</i> : Receive <i>B</i> : Both
Translation Format	The qualifier used to identify a specific mapping structure used to process both inbound and outbound EDI transactions. This does not apply to non-EDI transactions.
S P	An option that indicates whether a record has been successfully processed. Depending on the application, the system updates the EDSP field in a table with one of the following values: Blank: The record has not been processed. <i>I</i> : The record has been successfully processed.
Record Seq	An identifier that the system uses to assign the relative position within the header or detail information of an EDI transaction-- for example, H01, H02, D01, and so forth.
Line Number	This is the line number you assign when originating an EDI transaction. This number can represent an order line number (applicable for any order type), an invoice pay item, a journal entry line number, and so forth.

Revising Reference Information for Acknowledgments

Access the EDI Acknowledgment Reference Revisions form.

EDI Acknowledgment References Revisions form

- Reference Qualifier** A value that qualifies the reference number. This value can use EDI qualifiers from X12 and EDIFACT.
- Reference Number** A reference number or identification number as defined for a particular EDI transaction set or as specified by the Reference Qualifier.
- Record Seq** An identifier that the system uses to assign the relative position within the header or detail information of an EDI transaction; for example, H01, H02, D01, and so forth.

Setting Processing Options for Inbound EDI Acknowledgment Inquiry (P47191)

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

This processing option enables you to specify the Transaction Set Number for acknowledgment processing.

- 1. Transaction Set Number** Use this processing option to specify the default Transaction Set Number in the Inbound EDI Acknowledgment Inquiry program (P47191).

Versions

These processing options enable you to specify which versions for the system to use when processing acknowledgments

**1. Version of Outbound
EDI Invoice Inquiry**

Use this processing option to specify the version of the Outbound EDI Invoice Inquiry program (P47046) to execute when launching this program from the Inbound EDI Acknowledgment Inquiry program (P47191).

**2. Version of Work with
Ship Notice**

Use this processing option to specify the version of the Work With Ship Notice program (P47036) to execute when running the program from the Inbound EDI Acknowledgment Inquiry program (P47191).

Running the Inbound EDI Acknowledgment Purge (R47188)

From the Demand Advanced and Technical Ops menu (G40R31), select EDI Inbound Acknowledgment Purge.

You can delete all the header record and all related detail records for obsolete acknowledgments. This batch application searches for acknowledgment records that have a Successfully Processed value equal to Y.

APPENDIX A

Delivered Workflow for PeopleSoft EnterpriseOne Demand Scheduling

This appendix discusses the delivered workflow for PeopleSoft EnterpriseOne Demand Scheduling.

See Also

EnterpriseOne Tools 8.94 PeopleBook: Workflow Tools

Delivered Workflow for PeopleSoft EnterpriseOne Demand Scheduling

This section discusses the PeopleSoft EnterpriseOne Demand Scheduling workflow.

Demand Net Variance

This section discusses the Demand Net Variance workflow.

Description

Workflow Description	The system sends a workflow message to a secured user whenever the Net Variance exceeds the notification level as defined by the user.
Workflow Trigger	The Launch Demand Net Variance Workflow UBE initiates the Demand Net Variance Workflow process.
Workflow Action	For each record in the Demand Detail Database table whose Net Variance exceeds the notification level, the system generates a workflow message.

Workflow Objects

System	40R
Workflow Object Name	K40R110
Object ID	R40R110
Event Description / Function Name	Launch Demand Net Variance Workflow UBE
Sequence / Line Number	48

Inbound Wrapper Workflow Process

This section discusses the Inbound Wrapper Workflow Process.

Description

Workflow Description	This workflow executes a number of predefined business functions that the system calls either from a supplier default workflow or from a customer-specific customized workflow. The system calls the predefined business functions to process inbound EDI demand based on the customer's business rules.
Workflow Trigger	The Inbound Edit/Update UBE initiates a standard wrapper workflow, which initiates the workflow that you specify in the Demand Workflow Maintenance program.
Workflow Action	The system passes the job number to the workflow to identify the cache that contains the inbound demand data to process; Sold To and Ship To are optional parameters that may be passed to the workflow. The system updates the Demand and CUM Tables according to the workflow request.

Workflow Objects

System	40R
Workflow Object Name	K47171WF
Object ID	R47171
Event Description / Function Name	Inbound Edit/Update
Sequence / Line Numbers	49

APPENDIX B

PeopleSoft EnterpriseOne Demand Scheduling Reports

This appendix provides an overview of demand scheduling reports and enables you to:

- View summary tables of all reports.
- View report details for selected reports.

Demand Scheduling Reports

You can run a variety of reports to analyze demand-scheduling information. For example, you can print bills of lading or print information to analyze discrepancies for shipments, review demand activity, or analyze the efficiency of the advance ship notice process.

Demand Scheduling Reports A to Z

The following table lists the Demand Scheduling reports, sorted alphanumerically by report ID.

Report ID and Report Name	Description	Navigation
R40R1010 CUM Reconciliation Report	Prints discrepancies between shipped values and received values.	Reports menu (G40R111), CUM Reconciliation.
R40R1020 Demand Inactivity Analysis Report	Prints items that have been inactive for a specified period of time, or are obsolete, or which may have errors that prevent processing.	Reports menu (G40R111), Demand Inactivity Status.
R49118 Demand Scheduling Bill of Lading	States that certain goods received for shipments are promised to be delivered at a specified destination, either to the carrier's agent or to a particular consignee or customer. Prerequisite: Set up the document code BOL2 for the Demand Scheduling Bill of Lading.	Shipments and Loads menu (G4911), Work with Shipments. You can also choose Confirm Shipments. On Work with Shipments, locate the record and choose Delivery Documents from the Row menu. On Delivery Document Selection, complete the Doc Code field.

Report ID and Report Name	Description	Navigation
R40R093 Purge CUM History Record	Deletes obsolete cumulative history records. You use data selection to determine which records to delete. You can use the processing options on the Process tab to specify whether to archive purged information and where. The system also purges attachments associated with the records. The system purges information from the F40R42 table.	Demand Advanced & Technical Ops menu (G40R31), Purge CUM History.
R40R030 Shipment Analysis	Compares the required shipping date with the actual shipping date.	Reports menu (G40R111), Shipment Analysis.

PeopleSoft EnterpriseOne Selected Demand Scheduling Reports

This section provides detailed information, including processing options, for individual reports. The reports are listed alphanumerically by report ID.

R40R1010 - CUM Reconciliation

You can run the CUM Reconciliation report (R40R1010) to identify discrepancies between shipped values and received values. The report compares supplier and customer cumulative quantities and can assist the supplier in verifying the cumulative totals, so that future shipments accurately meet the customer requirements.

You can run this report automatically by setting the CUM Reconciliation Report Version processing option on the Versions tab in the processing option for the EDI Inbound Demand Edit/Update batch application (R47171).

This report provides information only and does not contain transaction processing. If a discrepancy exists, the supplier must identify the source of the discrepancy and take the proper corrective action.

Processing Options for CUM Reconciliation (R40R1010)

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 PeopleSoft 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.

Default

These processing options enable you to specify how the system processes information for items and cumulative quantities.

- | | |
|------------------------------|--|
| 1. Item Detail | <p>Use this processing option to specify whether the system prints items with cumulative discrepancies on the CUM Reconciliation report (R40R1010). Values are:</p> <p>Blank: The system prints all items.</p> <p><i>1</i>: The system prints only items with cumulative discrepancies.</p> |
| 2. Customer CUM Value | <p>Use this processing option to specify whether the system compares the supplier's CUM quantity shipped to either the customer's CUM quantity shipped or to the customer's CUM quantity received when you run the CUM Reconciliation program (R40R1010). Values are:</p> <p><i>1</i>: The system compares the supplier's CUM quantity shipped to the customer's CUM quantity shipped.</p> <p><i>2</i>: The system compares the supplier's CUM quantity shipped to the customer's CUM quantity received.</p> |

Processing Options for Purge CUM History Record (R40R093)

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.

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Process

These processing options enable you to specify how the system purges cumulative history records.

- | | |
|------------------------------------|--|
| 1. Archive Purged Records | <p>Use this processing option to specify whether the system archives purged records. Values are:</p> <p>Blank: Do not archive.</p> <p><i>1</i>: Archive.</p> |
| 2. Archive Environment Name | <p>Use this processing option to specify the environment in which the system archives purged records. This processing option is required if you are archiving purged records. The archive environment and data source must be different from the source environment and data source.</p> |
| 3. Archive Table Name | <p>Use this processing option to specify the name of the table to which the system archives purged records. If you leave this processing option blank, the system uses the name of the table being purged. This table will be created by the purge program.</p> |

R40R030 - Shipment Analysis

The Shipment Analysis report (R40R030) enables you to compare the required shipping date with the actual shipping date. You can configure the output of the report to show the following types of information:

- The percentage of items that were shipped early.
- The percentage of items that were shipped on time.
- The percentage of items that were shipped late.
- All records.

You can specify tolerance levels for time and quantity in the Shipment Analysis processing options on the Display tab, which allows you to establish the timeliness of shipments. For example, suppose you specify that thirty minutes is the tolerance for the Early Shipment Tolerance Level (Time) processing option. If the actual shipping date and time of an order is thirty minutes or less before the requested shipment date and time, the system considers the order to be on time.

Note. Because this report does not take into account the actual transportation of goods, it does not represent the entire shipping process.

The system uses the F40R41 table to process information for the Shipment Analysis report.

Processing Options for Shipment Analysis (R40R030)

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 PeopleSoft 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

These processing options enable you to specify how the system processes information for shipment analysis.

- | | |
|------------------------------------|--|
| 1. Display Type | <p>Use this processing option to specify which shipments the system includes when you run the Shipment Analysis program (R40R030). Values are:</p> <p>Blank: The system includes all shipments.</p> <p>1: The system includes only late shipments.</p> <p>2: The system includes only early shipments.</p> <p>3: The system includes only on-time shipments.</p> |
| 2. Display Early As On-Time | <p>Use this processing option to specify whether the system considers early shipments as on-time shipments when you run the Shipping Analysis program (R40R030). Values are:</p> <p>Blank: Display early as early.</p> <p>1: Display early as on-time.</p> |

- | | |
|---|---|
| 3. Early Shipment Tolerance Level (Time) | Use this processing option to specify the number of minutes before the requested ship time that a shipment can be made before it is considered an early shipment. For example, if you specify 30 minutes, then anything that is shipped 30 or more minutes before the requested ship time is considered an early shipment. |
| 4. Late Shipment Tolerance Level (Time) | Use this processing option to specify the number of minutes after the requested ship time that a shipment can be made before it is considered a late shipment. For example, if you specify 30 minutes, then anything that is shipped 30 or more minutes after the requested ship time is considered a late shipment. |
| 5. Early Shipment Tolerance Level (Quantity) | Use this processing option to specify the minimum percentage of the requested ship quantity that an early shipment's actual quantity must exceed for the system to print the actual quantity on the report. For example, if you specify 10 percent, then any early shipment containing an actual ship quantity that exceeds 10 percent of the requested ship quantity is displayed on the report. |
| 6. Late Shipment Tolerance Level (Quantity) | Use this processing option to specify the minimum percentage of the requested ship quantity that a late shipment's actual quantity must exceed for the system to print the actual quantity on the report. For example, if you specify 10 percent, then any late shipment containing an actual ship quantity that exceeds 10 percent of the requested ship quantity is displayed on the report. |

R40R1020 - Demand Inactivity Analysis

You can run the Demand Inactivity Analysis report (R40R1020) to identify items that have been inactive for a specified period of time, or are obsolete, or which may have errors that prevent processing. You can review historical records that are related to the demand header record, as well as the actual number of days that have passed since demand processing occurred.

The system calculates the number of days by subtracting the EDI Batch Date on the demand header record from the Comparison Date processing option on the Defaults tab to determine the days since last activity. The system compares this result to the Number of Days for Comparison processing option you specify on the Processing tab. If the result is greater than or equal to the number of days, the system displays this information. You can also specify whether to print activity detail information.

Processing Options for Demand Inactivity Analysis (R40R1020)

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 PeopleSoft 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

This processing option enables you to specify how the system processes information for demand inactivity analysis.

- 1. Comparison Date** Use this processing to specify the date with which the system compares the batch date in the demand header information when you run the Demand Inactivity Analysis report (R40R1020). The system compares the two dates to determine how many days have elapsed since activity has been performed. The system then compares this number to the comparison days to determine whether to include on the report the number of days that has elapsed since activity has been performed.

Processing

These processing options enable you to specify how the system calculates the number of days for demand inactivity.

- 1. Number of Days for Comparison** Use this processing option to specify the number of days that have elapsed since activity has been performed. The system compares this number to the comparison days to determine whether to include the number of days that have elapsed since activity has been performed when you run the Demand Inactivity Analysis report (R40R1020).
- 2. Number of Days for Activity Detail** Use this processing option to specify the number of days of demand history that the system includes when you run the Demand Inactivity Analysis program (R40R1020). The number of days begins with the most recent record that the system locates in the F40R41 table.

Print

This processing option enables you to specify how the system displays activity detail on the report.

- 1. Print Activity Detail** Use this processing option to specify whether the system includes demand detail information when you run the Demand Inactivity Analysis report (R40R1020). Values are:
- Blank: The system does not include the demand detail information on the associated report.
- /: The system does include the demand detail information on the associated report.

R49118 - Demand Scheduling Bill of Lading

A Bill of Lading is a report used as a legal document issued by the shipping company to a shipper, stating that certain goods received for shipments are promised to be delivered at a specified destination, either to the carrier's agent or to a particular consignee or customer.

The Transportation Bill of Lading Print report (R49118) provides information about shipments, such as item numbers, descriptions, and weights.

After you start this batch report, the system runs the Document Batch Print UBE (R49590). The system then runs the Transportation Bill of Lading Build report (R49110), using version ZJDE0002. This process builds a workfile from the system tables and updates the necessary tables. The system then runs the R49116 batch report to use as the Bill of Lading for Demand Scheduling.

The system uses the following tables when processing information for shipment reports:

- F49111
- F49110

- F4620
- F49594

Processing Options for Transportation Bill of Lading Print (R49118)

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 PeopleSoft 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.

Print Options

These processing options enable you to specify which information the system includes on the Bill of Lading.

1. Unit of Measure for Weight Totals	Use this processing option to specify the unit of measure that the system uses to display the weight totals.
2. Print Delivery Instructions	Use this processing option to determine whether the system prints delivery instructions. Values are: Blank: Do not print delivery instructions. <i>I</i> : Print delivery instructions.
3. Print Shipment Attachments	Use this processing option to determine whether the system prints shipment attachments. Values are: Blank: Do not print shipment attachments. <i>I</i> : Print shipment attachments.
4. Print Routing Entry Attachments	Use this processing option to determine whether the system prints routing entry attachments. Values are: Blank: Do not print routing entry attachments. <i>I</i> : Print routing entry attachments.
5. Print Options and Equipment information	Use this processing option to specify whether the system prints options and equipment information. Values are: Blank: Do not print options and equipment information. <i>I</i> : Print options and equipment information.
6. Global Message to print on each document	Use this processing option to specify a global message that appears on each document. Examples include engineering specifications, hours of operation during holiday periods, and special delivery instructions.
7. Print Additional Header Text	Use this processing option to determine whether to print additional header text that indicates whether the document is an original or a reprint. Values are:

Blank: Do not print additional header text.

1: Print header text that indicates that the document is an original.

2: Print header text that indicates that the document is a reprint.

Glossary of PeopleSoft Terms

activity	A scheduling entity in PeopleSoft EnterpriseOne Form Design Aid that represents a designated amount of time on a calendar.
activity rule	The criteria by which an object progresses from one given point to the next in a flow.
add mode	A condition of a form that enables users to input data.
Advanced Planning Agent (APAg)	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.
application server	A server in a local area network that contains applications shared by network clients.
as if processing	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.
alternate currency	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. 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.
as of processing	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.
back-to-back process	A process in PeopleSoft EnterpriseOne Workflow Management that contains the same keys that are used in another process.
batch processing	A process of transferring records from a third-party system to PeopleSoft EnterpriseOne. 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.
batch server	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.
batch-of-one immediate	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. See also direct connect and store-and-forward.
business function	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

	event rules or third-generation languages, such as C. Examples of business functions include Credit Check and Item Availability.
business function event rule	See named event rule (NER).
business view	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.
central objects merge	A process that blends a customer's modifications to the objects in a current release with objects in a new release.
central server	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.
charts	Tables of information in PeopleSoft EnterpriseOne that appear on forms in the software.
connector	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.
contra/clearing account	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.
Control Table Workbench	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.
control tables merge	A process that blends a customer's modifications to the control tables with the data that accompanies a new release.
cost assignment	The process in PeopleSoft EnterpriseOne Advanced Cost Accounting of tracing or allocating resources to activities or cost objects.
cost component	In PeopleSoft EnterpriseOne Manufacturing Management, an element of an item's cost (for example, material, labor, or overhead).
cross segment edit	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.
currency restatement	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.
database server	A server in a local area network that maintains a database and performs searches for client computers.
Data Source Workbench	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.

date pattern	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.
denominated-in currency	The company currency in which financial reports are based.
deployment server	A server that is used to install, maintain, and distribute software to one or more enterprise servers and client workstations.
detail information	Information that relates to individual lines in PeopleSoft EnterpriseOne transactions (for example, voucher pay items and sales order detail lines).
direct connect	A transaction method in which a client application communicates interactively and directly with a server application. See also batch-of-one immediate and store-and-forward.
Do Not Translate (DNT)	A type of data source that must exist on the iSeries because of BLOB restrictions.
dual pricing	The process of providing prices for goods and services in two currencies.
edit code	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.
edit mode	A condition of a form that enables users to change data.
edit rule	A method used for formatting and validating user entries against a predefined rule or set of rules.
Electronic Data Interchange (EDI)	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.
embedded event rule	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.
Employee Work Center	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.
enterprise server	A server that contains the database and the logic for PeopleSoft EnterpriseOne or PeopleSoft World.
EnterpriseOne object	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.
EnterpriseOne process	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.
Environment Workbench	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.
escalation monitor	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.

event rule	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.
facility	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> .
fast path	A command prompt that enables the user to move quickly among menus and applications by using specific commands.
file server	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.
final mode	The report processing mode of a processing mode of a program that updates or creates data records.
FTP server	A server that responds to requests for files via file transfer protocol.
header information	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.
interface table	See Z tables.
integration server	A server that facilitates interaction between diverse operating systems and applications across internal and external networked computer systems.
integrity test	A process used to supplement a company's internal balancing procedures by locating and reporting balancing problems and data inconsistencies.
interoperability model	A method for third-party systems to connect to or access PeopleSoft EnterpriseOne.
in-your-face-error	In PeopleSoft EnterpriseOne, a form-level property which, when enabled, causes the text of application errors to appear on the form.
IServer service	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.
jargon	An alternative data dictionary item description that PeopleSoft EnterpriseOne or People World displays based on the product code of the current object.
Java application server	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.
JDBNET	A database driver that enables heterogeneous servers to access each other's data.
JDEBASE Database Middleware	A PeopleSoft proprietary database middleware package that provides platform-independent APIs, along with client-to-server access.
JDECallObject	An API used by business functions to invoke other business functions.
jde.ini	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.
JDEIPC	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.

jde.log	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.
JDENET	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.
Location Workbench	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.
logic server	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.
MailMerge Workbench	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.
master business function (MBF)	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.
master table	See published table.
matching document	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.
media storage object	Files that use one of the following naming conventions that are not organized into table format: Gxxx, xxxGT, or GTxxx.
message center	A central location for sending and receiving all PeopleSoft EnterpriseOne messages (system and user generated), regardless of the originating application or user.
messaging adapter	An interoperability model that enables third-party systems to connect to PeopleSoft EnterpriseOne to exchange information through the use of messaging queues.
messaging server	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.
named event rule (NER)	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.
<i>nota fiscal</i>	In Brazil, a legal document that must accompany all commercial transactions for tax purposes and that must contain information required by tax regulations.
<i>nota fiscal factura</i>	In Brazil, a <i>nota fiscal</i> with invoice information. See also <i>nota fiscal</i> .

Object Configuration Manager (OCM)	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.
Object Librarian	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.
Object Librarian merge	A process that blends any modifications to the Object Librarian in a previous release into the Object Librarian in a new release.
Open Data Access (ODA)	An interoperability model that enables you to use SQL statements to extract PeopleSoft EnterpriseOne data for summarization and report generation.
Output Stream Access (OSA)	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.
package	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.
package build	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. 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.”
package location	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.
Package Workbench	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.
PeopleSoft Database	See JDEBASE Database Middleware.
planning family	A means of grouping end items whose similarity of design and manufacture facilitates being planned in aggregate.
preference profile	The ability to define default values for specified fields for a user-defined hierarchy of items, item groups, customers, and customer groups.
print server	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.
pristine environment	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.

processing option	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.
production environment	A PeopleSoft EnterpriseOne environment in which users operate EnterpriseOne software.
production-grade file server	A file server that has been quality assurance tested and commercialized and that is usually provided in conjunction with user support services.
program temporary fix (PTF)	A representation of changes to PeopleSoft software that your organization receives on magnetic tapes or disks.
project	In PeopleSoft EnterpriseOne, a virtual container for objects being developed in Object Management Workbench.
promotion path	The designated path for advancing objects or projects in a workflow. The following is the normal promotion cycle (path): 11>21>26>28>38>01 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.
proxy server	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.
published table	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.
publisher	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.
pull replication	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.
QBE	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.
real-time event	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.
refresh	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.
replication server	A server that is responsible for replicating central objects to client machines.
quote order	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.

	In PeopleSoft EnterpriseOne Sales Order Management, item and price information for a customer who has not yet committed to a sales order.
selection	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.
Server Workbench	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.
spot rate	An exchange rate entered at the transaction level. This rate overrides the exchange rate that is set up between two currencies.
Specification merge	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.
specification	A complete description of a PeopleSoft EnterpriseOne object. Each object has its own specification, or name, which is used to build applications.
Specification Table Merge Workbench	An application that, during the Installation Workbench process, runs the batch applications that update the specification tables.
store-and-forward	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.
subscriber table	Table F98DRSUB, which is stored on the publisher server with the F98DRPUB table and identifies all of the subscriber machines for each published table.
supplemental data	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. 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.
table access management (TAM)	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.
Table Conversion Workbench	An interoperability model that enables the exchange of information between PeopleSoft EnterpriseOne and third-party systems using non-PeopleSoft EnterpriseOne tables.
table conversion	An interoperability model that enables the exchange of information between PeopleSoft EnterpriseOne and third-party systems using non-PeopleSoft EnterpriseOne tables.
table event rules	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.
terminal server	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.

three-tier processing	The task of entering, reviewing and approving, and posting batches of transactions in PeopleSoft EnterpriseOne.
three-way voucher match	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.
transaction processing (TP) monitor	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.
transaction set	An electronic business transaction (electronic data interchange standard document) made up of segments.
trigger	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.
triggering event	A specific workflow event that requires special action or has defined consequences or resulting actions.
two-way voucher match	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.
User Overrides merge	Adds new user override records into a customer's user override table.
variance	In Capital Asset Management, the difference between revenue generated by a piece of equipment and costs incurred by the equipment. 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.
Version List merge	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.
visual assist	Forms that can be invoked from a control via a trigger to assist the user in determining what data belongs in the control.
vocabulary override	An alternate description for a data dictionary item that appears on a specific PeopleSoft EnterpriseOne or World form or report.
wchar_t	An internal type of a wide character. It is used for writing portable programs for international markets.
web application server	A web server that enables web applications to exchange data with the back-end systems and databases used in eBusiness transactions.
web server	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.
Windows terminal server	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.

work day calendar	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.
workflow	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.
workgroup server	A server that usually contains subsets of data replicated from a master network server. A workgroup server does not perform application or batch processing.
XAPI events	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.
XML CallObject	An interoperability capability that enables you to call business functions.
XML Dispatch	An interoperability capability that provides a single point of entry for all XML documents coming into PeopleSoft EnterpriseOne for responses.
XML List	An interoperability capability that enables you to request and receive PeopleSoft EnterpriseOne database information in chunks.
XML Service	An interoperability capability that enables you to request events from one PeopleSoft EnterpriseOne system and receive a response from another PeopleSoft EnterpriseOne system.
XML Transaction	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.
XML Transaction Service (XTS)	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.
Z event	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.
Z table	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.
Z transaction	Third-party data that is properly formatted in interface tables for updating to the PeopleSoft EnterpriseOne database.

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August 2005

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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:

- Related documentation.
- Comments and suggestions.

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This section discusses how to:

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CHAPTER 1

PeopleSoft EnterpriseOne Demand Scheduling Reports

This appendix includes a summary table of the reports that are discussed in this PeopleBook.

Demand Scheduling Reports: A to Z

This table lists the Demand Scheduling reports, sorted alphanumerically by report ID.

Report ID and Report Name	Description	Navigation
R40R1010 CUM Reconciliation Report	Prints discrepancies between shipped values and received values.	Reports menu (G40R111), CUM Reconciliation.
R40R1020 Demand Inactivity Analysis Report	Prints items that have been inactive for a specified period of time, or are obsolete, or which may have errors that prevent processing.	Reports menu (G40R111), Demand Inactivity Status.
R49118 Demand Scheduling Bill of Lading	States that certain goods received for shipments are promised to be delivered at a specified destination, either to the carrier's agent or to a particular consignee or customer. Prerequisite: Set up the document code BOL2 for the Demand Scheduling Bill of Lading.	Shipments and Loads menu (G4911), Work with Shipments. You can also select Confirm Shipments. On Work with Shipments, locate the record and select Delivery Documents from the Row menu. On Delivery Document Selection, complete the Doc Code field.

Report ID and Report Name	Description	Navigation
R40R093 Purge CUM History Record	Deletes obsolete cumulative history records. You use data selection to determine which records to delete. You can use the processing options on the Process tab to specify whether to archive purged information and where. The system also purges attachments associated with the records. The system purges information from the F40R42 table.	Demand Advanced & Technical Ops menu (G40R31), Purge CUM History.
R40R030 Shipment Analysis	Compares the required shipping date with the actual shipping date.	Reports menu (G40R111), Shipment Analysis.

CHAPTER 2

Report Samples

This chapter provides report samples.

For the online samples of these reports, see the PDF files that are published on CD-ROM with your online documentation.

R49115

Worldwide Company
Bill of Lading

Page 1
Document Date 11-05-04
Branch/Plant 30
Shipment Number: 36
Routing Step Number: 1,0
Document Number 40000002

Deliver From: Southern Distribution Center
2907 Stockyards Road
Ft. Worth TX 76107

Delivery To: Capital System
400 Broadland Road NW
Atlanta GA 30342

Carrier Number USA
Freight Handling Code F Free On Board - Our Dock

Promised Delivery 06-01-05
Promised Delivery Time 1200

Item Number	Item Description	Freight Class	Quantity Shipped	U/M	Item Weight	U/M
3006	Sensor Assembly	085	2	BX	90,0000	LB
3007	Push Button	085	2	BX	75,0000	LB
3005	Clip	085	2	BX	80,0000	LB
Number of Containers		Number of Pieces	3		525,0000	LB

Driver Signature _____

Customer Signature _____

Sold To

77440

Test Customer for Demand Sched

Demand Batch Number

40

Branch/Plant

33

Ship To

77440

Test Customer for Demand Sched

Default Customer PO

User Field Type 1

User Field Type 2

User Field Type 3

User Field Value 1

User Field Value 2

User Field Value 3

RECONCILIATION BASED OFF OF CUSTOMER SHIPPED QUANTITY

Customer Item Number	Shipped	Customer Shipped Qty	Difference	Customer Last Shipped Date	Customer Last Shipped Time	Customer Last Shipped Quantity	Actual Ship Date	Actual Ship Time	CUM Ship Adjustment	CUM Adjustment
XYZ	1000.0000	0	1,000.00		0	0		0	1000	CI

Days Since Last Update

Comparison Date 07/26/05

Branch/Plant 15780

Sold To Number	Ship To Number	Item Number	Description	Release Number	Batch Date	Days Since Last Activity
40869	40869		YEL1 Printer Paper	5	02/18/05	158
40869	40870		YEL1 Printer Paper	2	05/07/05	80

Shipment Analysis

Display Type: All Records

Early Shipment Tolerance Level (Time) 0.00 Min Late Shipment Tolerance Level (Time) 0.00 Min

Early Shipment Tolerance Level (Qty) 0.00 Late Shipment Tolerance Level (Qty) 0.00

Early Shipment Classification: Early as Early

Branch/Plant: 88100
Sold To : 842433
Ship To : 842434

Shipment Number	Item Number	Unit of Measure	Requested Ship Date	Requested Ship Time	Original Dmd Qty	Actual Ship Date	Actual Ship Time	Quantity Shipped	Early Percent	OnTime Percent	Late Percent
22562	SER1	EA	07/08/05	145000	20.00	07/08/05	115551	20.00	100.00		