
PeopleSoft Enterprise Risk Management 9.0 PeopleBook

September 2006

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About This PeopleBook Preface

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

This preface discusses:

- PeopleSoft Enterprise application prerequisites.
- 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 elements, such as fields and check boxes, that require additional explanation. If an 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 Enterprise applications are defined in this preface.

PeopleSoft Enterprise 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 Enterprise applications.

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

You should be familiar with navigating the system and adding, updating, and deleting information by using PeopleSoft Enterprise menus, pages, 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 Enterprise applications most effectively.

Application Fundamentals

Each application PeopleBook provides implementation and processing information for your PeopleSoft Enterprise 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 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 Enterprise applications. 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.
- Download and order printed documentation.

Obtaining Documentation Updates

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

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

See Also

Oracle's PeopleSoft Customer Connection, http://www.oracle.com/support/support_peoplesoft.html

Downloading and Ordering Printed Documentation

In addition to the complete line of documentation that is delivered on your PeopleBook CD-ROM, Oracle makes PeopleSoft Enterprise documentation available to you via Oracle's website. You can:

- Download PDF files.
- Order printed, bound volumes.

Downloading PDF Files

You can download PDF versions of PeopleSoft Enterprise documentation online via the Oracle Technology Network. Oracle makes these PDF files available online for each major release shortly after the software is shipped.

See Oracle Technology Network, <http://www.oracle.com/technology/documentation/psftent.html>.

Ordering Printed, Bound Volumes

You can order printed, bound volumes of selected documentation via the Oracle Store.

See Oracle Store, http://oraclestore.oracle.com/OA_HTML/ibeCCtpSctDspRte.jsp?section=14021

Additional Resources

The following resources are located on Oracle's PeopleSoft Customer Connection website:

Resource	Navigation
Application maintenance information	Updates + Fixes
Business process diagrams	Support, Documentation, Business Process Maps
Interactive Services Repository	Support, Documentation, Interactive Services Repository
Hardware and software requirements	Implement, Optimize + Upgrade; Implementation Guide; Implementation Documentation and Software; Hardware and Software Requirements
Installation guides	Implement, Optimize + Upgrade; Implementation Guide; Implementation Documentation and Software; Installation Guides and Notes
Integration information	Implement, Optimize + Upgrade; Implementation Guide; Implementation Documentation and Software; Pre-Built Integrations for PeopleSoft Enterprise and JD Edwards EnterpriseOne Applications
Minimum technical requirements (MTRs)	Implement, Optimize + Upgrade; Implementation Guide; Supported Platforms
Documentation updates	Support, Documentation, Documentation Updates
PeopleBooks support policy	Support, Support Policy
Prerelease notes	Support, Documentation, Documentation Updates, Category, Release 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
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 Enterprise 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.
. . . (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 ().

Typographical Convention or Visual Cue	Description
[] (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 Enterprise 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 Oracle reference and training materials. Please send your suggestions to your product line documentation manager at Oracle Corporation, 500 Oracle Parkway, Redwood Shores, CA 94065, U.S.A. Or email us at appsdoc@us.oracle.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

As of Date	The last date for which a report or process includes data.
Business Unit	An ID that represents a high-level organization of business information. You can use a business unit to define regional or departmental units within a larger organization.
Description	Enter up to 30 characters of text.
Effective Date	The date on which a table row becomes effective; the date that an action begins. For example, to close out a ledger on June 30, the effective date for the ledger closing would be July 1. This date also determines when you can view and change the information. Pages or panels and batch processes that use the information use the current row.

Once, Always, and Don't Run	Select Once to run the request the next time the batch process runs. After the batch process runs, the process frequency is automatically set to Don't Run. Select Always to run the request every time the batch process runs. Select Don't Run to ignore the request when the batch process runs.
Process Monitor	Click to access the Process List page, where you can view the status of submitted process requests.
Report Manager	Click to access the Report List page, where you can view report content, check the status of a report, and see content detail messages (which show you a description of the report and the distribution list).
Request ID	An ID that represents a set of selection criteria for a report or process.
Run	Click to access the Process Scheduler request page, where you can specify the location where a process or job runs and the process output format.
SetID	An ID that represents a set of control table information, or TableSets. TableSets enable you to share control table information and processing options among business units. The goal is to minimize redundant data and system maintenance tasks. When you assign a setID to a record group in a business unit, you indicate that all of the tables in the record group are shared between that business unit and any other business unit that also assigns that setID to that record group. For example, you can define a group of common job codes that are shared between several business units. Each business unit that shares the job codes is assigned the same setID for that record group.
Short Description	Enter up to 15 characters of text.
User ID	An ID that represents the person who generates a transaction.

PeopleSoft Enterprise Risk Management Preface

This chapter discusses:

- PeopleSoft application fundamentals.
- Deferred processing.
- Common elements used in Risk Management.

Note. This PeopleBook documents only page elements that require additional explanation. If a page 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 Products

This PeopleBook refers to these products:

- PeopleSoft Enterprise Cash Management.
- PeopleSoft Enterprise Deal Management.
- PeopleSoft Enterprise Risk Management.
- PeopleSoft Enterprise General Ledger.
- PeopleSoft EnterpriseOne General Accounting.

PeopleSoft Application Fundamentals

The *PeopleSoft Enterprise Risk Management 9.0 PeopleBook* provides you with implementation and processing information for your PeopleSoft Risk Management system. 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 applications across the Financials, Enterprise Service Automation, and Supply Chain Management product lines. You should be familiar with the contents of these PeopleBooks.

The following companion PeopleBooks apply specifically to Risk Management.

- *PeopleSoft Enterprise Applications Fundamentals 9.0 PeopleBook*
- *PeopleSoft Enterprise Global Options and Reports 9.0 PeopleBook*
- *PeopleSoft Enterprise Bank Setup and Processing 9.0 PeopleBook*

Deferred Processing

Several pages in Risk Management operate in deferred processing mode. Most fields on these pages are not updated or validated until you save the page or refresh it by clicking a button, link, or tab. This delayed processing has various implications for the field values on the page—for example, if a field contains a default value, any value you enter before the system updates the page overrides the default. Another implication is that the system updates quantity balances or totals only when you save or otherwise refresh the page.

See Also

Enterprise PeopleTools 8.48 PeopleBook: PeopleSoft Application Designer, “Designing Pages for Optimal Performance and Accessibility”

Common Elements Used in Risk Management

Account	ChartField that identifies the nature of a transaction for corporate accounts.
Affiliate	ChartField used to map transactions between business units when using a single interunit account.
Alt Acct (alternate account)	ChartField that identifies the nature of a transaction for statutory accounts. This field appears only if you enabled the Alternate Account option for your organization and for the general ledger business unit.
Class	ChartField that identifies a particular appropriation when you combine it with a Fund, DeptID, Program Code, and Budget Reference.
Currency	Code that identifies the type of currency for an amount, such as USD or FRF.
Dept (department)	ChartField that indicates who is responsible for or affected by the transaction.
Description	Free-form text up to 256 characters.
Effective Date	Date on which a table row becomes effective; the date that an action begins. For example, if you want to close out a ledger on June 30, the effective date for the ledger closing would be July 1. This date also determines when you can view and change the information. Pages or panels and batch processes that use the information use the current row.
Fund	ChartField that represents structural units for education and government accounting. Can also represent a divisional breakdown in your organization.
Fund Affiliate	ChartField used to correlate transactions between funds when using a single intraunit account.
Language	The language in which you want the field labels and report headings of your reports to print. The field values appear as you enter them.
Oper Unit (operating unit)	ChartField used to identify a location, such as a distribution warehouse or sales center.
Process Frequency	Select from:

Once: Runs the request the next time the batch process runs. After the batch process runs, the process frequency is automatically set to *Don't Run*.

Always: Runs the request every time the batch process runs.

Don't Run: Ignores the request when the batch process runs.

Process Monitor	This link takes you to the Process List page, where you can view the status of submitted process requests.
Product	ChartField that captures additional information useful for profitability and cash flow analysis by product sold or manufactured.
Program	ChartField that identifies groups of related activities, cost centers, revenue centers, responsibility centers, and academic programs. Tracks revenue and expenditures for programs.
Project	ChartField that captures information for project/grants accounting.
Report ID	The report identifier.
Report Manager	This link takes you to the Report List page, where you can view report content, check the status of a report, and see content detail messages (which show you a description of the report and the distribution list).
Run	This button takes you to the Process Scheduler request page, where you can specify the location where a process or job runs and the process output format.
Run Control ID	An identification code that identifies the run parameters for a report or process.
SetID	An identification code that represents a set of control table information or TableSets. A TableSet is a group of tables (records) necessary to define your company's structure and processing options.
Short Description	Free-form text up to 15 characters.
Status	Indicates whether a row in a table is <i>Active</i> or <i>Inactive</i> . You cannot display inactive rows on transaction pages or use them for running batch processes. Inactivate rather than delete data you no longer use to maintain an audit trail.
Unit	Business unit for an item.

CHAPTER 1

Getting Started With PeopleSoft Enterprise Risk Management

This chapter discusses:

- Risk Management business processes.
- Risk Management integrations.
- Risk Management implementation.

Risk Management Business Processes

Risk Management provides these business processes:

- Risk analysis and hedge determination.
- Position limit notification.
- Hedge transaction compliance using FAS 133 or IAS 39 Accounting standards.
- Hedge and hedge group creation and maintenance.

We cover these business processes in the business process chapters of this PeopleBook.

Risk Management Integrations

Risk Management integrates with these Oracle/PeopleSoft applications:

- Cash Management
- Deal Management
- General Ledger

We cover integration considerations in the implementation chapters of this PeopleBook.

Supplemental information about third-party application integrations is located on the PeopleSoft Customer Connection Web site.

Risk Management Implementation

PeopleSoft Setup Manager enables you to generate a list of setup tasks for your organization based on the features that you are implementing. The setup tasks include the components that you must set up, listed in the order in which you must enter data into the component tables, and links to the corresponding PeopleBook documentation.

Before running Setup Manager to generate a list of PeopleSoft setup tasks, you need to set up PeopleSoft banks functionality, Cash Management, and Deal Management.

Other Sources of Information

In the planning phase of your implementation, take advantage of all PeopleSoft sources of information, including the installation guides, table-loading sequences, data models, and business process maps. A complete list of these resources is in the preface of *About These PeopleBooks*, with information on where to find the most up-to-date version of each.

See Also

PeopleSoft Enterprise Banks Setup and Processing 9.0 PeopleBook, “Getting Started With PeopleSoft Enterprise Bank Setup and Processing”

PeopleSoft Enterprise Cash Management 9.0 PeopleBook, “Getting Started With PeopleSoft Enterprise Cash Management”

PeopleSoft Enterprise Deal Management 9.0 PeopleBook, “Getting Started with PeopleSoft Enterprise 9.0 Deal Management”

Enterprise PeopleTools 8.48 PeopleBook: PeopleSoft Setup Manager

Enterprise PeopleTools 8.48 PeopleBook: PeopleSoft Component Interfaces, “Using the Excel to Component Interface Utility”

CHAPTER 2

Defining Risk Management Processing Options

This chapter provides an overview of risk analytics setup and discusses how to:

- Set up hedges.
- Define hedge groups.
- Set up risk analytics.
- Define deal instrument analytical functions.
- Define market risk scenario sets.

Understanding Risk Analytics Setup

This section lists prerequisites and discusses the risk analytics setup process.

Prerequisites

Before using Risk Management, you must:

- Set up banks and counterparties.
- Set up the Cash Management and Deal Management products.
- Set up Financial Engineering Associates (FEA) software (third-party analytics).

See Also

PeopleSoft Enterprise Banks Setup and Processing 9.0 PeopleBook, “Setting Up Banks”

PeopleSoft Enterprise Banks Setup and Processing 9.0 PeopleBook, “Setting Up External, Internal, and Netting Accounts”

PeopleSoft Enterprise Banks Setup and Processing 9.0 PeopleBook, “Setting Up Additional Banking Information”

PeopleSoft Enterprise Cash Management 9.0 PeopleBook, “Defining Cash Management Processing Options”

PeopleSoft Enterprise Deal Management 9.0 PeopleBook, “Defining Deal Management Processing Options”

Risk Analytics Setup Process

Risk Management is a data-driven application for evaluating risk. You define how the application works with risk data and models it through capture mechanisms. Risk Management can accommodate the models you derive to address the dynamic nature of the market and the varying effects of the types of risk.

This is an overview of the risk analytics setup process:

- Define hedge sources and hedge items.
- Set up risk analytics.

You can use delivered, predefined functions and analytic programs through our partnership with FEA. You can access and communicate with third-party analytics through three methods:

- Microsoft Excel.
- Component Object Model (COM) automation.
- Flat File Export.

Pages Used to Navigate Setup in Treasury Management

This table provides a listing of custom navigation folders in the Treasury Definitions Center that contain pages that are used to setup Risk Management:

Folder Name	Navigation	Usage	Setup Information
Treasury Definitions Center	Treasury Management Center	Access primary Risk Management setup pages from a central location. For easier retrieval, you can save this page in the My Favorites folder on the portal navigation menu.	
Analytics	Click Analytics.	Access pages to define analytic calculations, functions, and vendor information used in risk analysis.	See Chapter 2, “Defining Risk Management Processing Options,” Setting Up Risk Analytics, page 8.
Hedges	Click Hedges.	Access pages to set up hedge groups, item sources, and strategies.	See Chapter 2, “Defining Risk Management Processing Options,” Setting Up Hedges, page 4.

Setting Up Hedges

To define hedge information, use the following components:

- Hedge Strategies component (HDG_STRATGY_PNG_GBL).
- Hedge Item Sources component (HDG_SRC_PNG).

This section discusses how to:

- (Optional) Define hedge strategies.
- Define hedge item sources.

Pages Used to Set Up Hedges

Page Name	Object Name	Navigation	Usage
Hedge Strategy	HDG_STRATEGY_PNL	Risk Management, Administer Risk, Hedge Strategies	Record any relevant information that a third-party needs to understand the course of action as purposeful and meriting of IAS 39 or FAS 133 special accounting considerations. You can document qualitative concerns and link them to the quantitative dimensions of the hedging activities.
Hedged Item Source	HDG_SRC_PNL	Risk Management, Administer Risk, Hedged Item Sources	Set up the risk evaluation and accounting of the hedged item.

Defining Hedge Strategies (Optional)

Access the Hedge Strategy page.

Hedge Strategy

Strategy Details
Find | View All
First 1 of 1 Last

SetID: SHARE
Hedge Strategy: CASHFLOW

*Effective Date: 06/15/2004
Status: Active

*Description: Cash Flow Strategy

Risk Being Hedged
☐ Changes in Overall Fair Value
☐ Interest Rate Risk
☐ Foreign Exchange Risk
☐ Credit Risk
☐ Other

Risk Name:
Comments

Means to measure effectiveness:

Strategy:

Hedge ID	Hedge Type	Shortcut Method for IRS Hedge
CASE5	FAS133	Yes

Hedge Strategy page

Description and Strategy Summarize the reasons for your choices. Use the Strategy field to detail those reasons.

Note. Paragraph 44 of FAS 133 states: “Qualitative disclosures about an entity’s objectives and strategies for using derivative instruments may be more meaningful if such objectives and strategies are described in the context of an entity’s overall risk management profile. If appropriate, an entity is encouraged, but not required, to provide such additional qualitative disclosures [44].”

Risks You Can Hedge

According to ¶ 21(a-f), you can hedge only these four risks:

Changes in Overall Fair Value Select to hedge nonfinancial risks, such as commodities. Selecting this check box automatically clears any other hedged risk options that are selected.

Interest Rate Risk Select to hedge risk of instability in interest rates.

Foreign Currency Exchange Risk Select to hedge risk of fluctuation of foreign currency exchange rates.

Credit Risk Select to hedge risk of credit variability.

Other and Risk Name Enter a name in the Other field to designate another type of risk investment to be hedged.

Comments Click to access the Details page to record details of the hedged risk entered in the Risk Name field.

Defining Hedge Item Sources

Access the Hedged Item Source page.

Hedged Item Source

SetID: SHARE **Hedged Item Source:** Other Hedgeable Items Financial Item
Hedge Relationship: Cash Flow Hedge
Prompt Table: HDG_TRE_CF_VW Hedged Exp (last resort) CF VW

Accounting Templates				Customize Find	First	1-3 of 3	Last
Accounting Event Type	Include in Accounting	Accounting Template	Description				
AOCI Adjustment	☒	HCFAOCIADJUST	Cash Flow Hedge AOCI Adjustment				
AOCI Reclassify	☒	HCFAOCIRECLSS	Cash Flow Hedge AOCI Reclass				
Will Not Occur-AOCI Reclassify	☒	HCFWNOAOCI	Cash Flow Hedge Will Not Occur Reclass				

Analytics Calculations					Customize Find	First	1 of 1	Last
*Analytics Mode	Analytics Vendor	Calculation	Description	Curves				
				Curves				

Hedged Item Source page

Note. The fields available on this page depend on the FAS 133 Hedge Type that you select.

This table shows the association between the selected hedge type and a prompt table:

FAS 133 Hedge Type	Prompt Table
<i>Cash Flow Hedges</i> <i>FX (foreign exchange) Cash Flow Hedges</i>	Select a record.
<i>Fair Value Hedge</i> <i>FX F V (foreign exchange fair value) Available-for-Sale</i> <i>FX F V (foreign exchange fair value of Firm Commitment)</i>	Select a record, and then define both the Hedged Item Type and the Fair Value Adjustment Type. Hedged Item Type: Select <i>Recognized Asset or Liability, Forecasted Transaction</i> or <i>Unrecognized Firm Commitment</i> . Fair Value Adjustment Type: Select <i>Per Period Fair Value, Cumulative Amortized Cost</i> or <i>Cumulative Fair Value</i> .

Accounting Templates

Do Accounting

Select the checkbox next to the appropriate Accounting Event Type, and then select an Accounting Template. Available accounting event types depend on the hedge type that you selected.

Hedge Type and Associated Accounting Event Types

This table shows the association between the selected hedge type and an accounting event type:

FAS 133 Hedge Type	Accounting Event Type
<i>Cash Flow Hedges</i> <i>FX Cash Flow Hedges</i>	<i>AOCI Adjustment</i> <i>AOCI Reclassification</i> <i>Will Not Occur- AOCI Reclassify.</i>
<i>FX F V of Available-for-Sale</i>	<i>Fair Value Hedged Item G/L</i> <i>Amortize Adj of Carrying</i>
<i>FX F V of Firm Commitment</i> <i>Fair Value Hedge</i>	<i>Fair Value Hedged Item G/L</i> <i>Firm Commitment to Carrying</i> <i>Amortize Adj of Carrying</i> <i>Derecognize Firm Commitment.</i>

Analytic Calculations

Analytics Mode

Enter a mode definition.

Analytics Vendor

Select from the installed vendors, such as *Excel*, *Functions*, or *FEA*, and select an associated calculation in the Calculation field.

Setting Up Risk Analytics

To define risk analytics, use the following components:

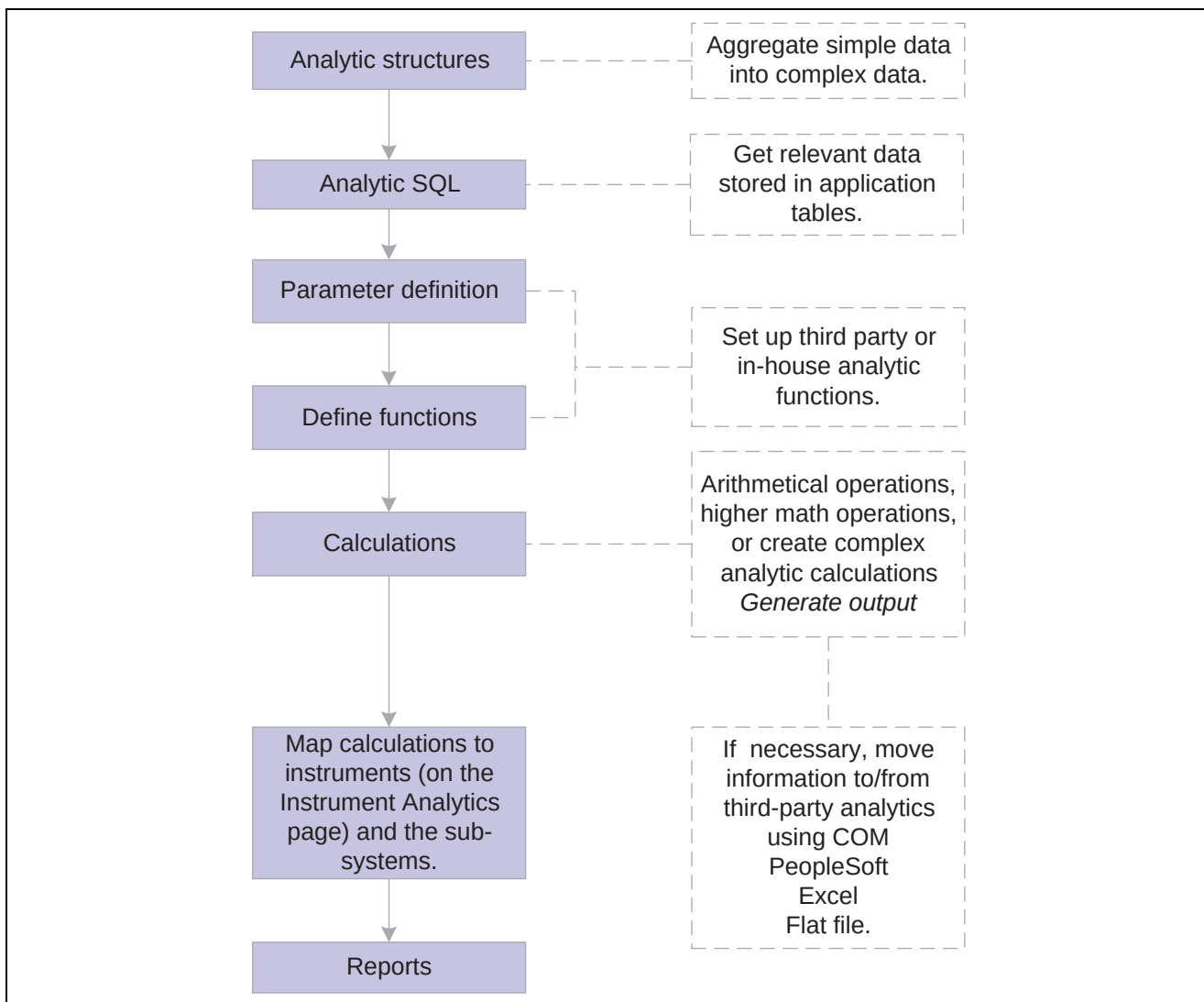
- Instrument Analytics (INSTR_MTMDEFN_PNL_GBL).
- Analytic Calculations (MTM_PROGRAM_DEFN_GBL).
- Analytic Functions (COM) (MTM_FUNC_HDR_COM_GBL).
- Analytic Functions (Excel) (MTM_FUNC_HDR_EXL_GBL).
- Analytic Functions (File Exp) (MTM_FUNC_HDR_FLE_GBL).
- Analytic SQL (MTM_SQLCNTRL_PNL_GBL).
- Analytic Structures (MTM_STRUCTDEFN_PNL_GBL).
- Vendor Information (MTM_PRODNM_PNL_GBL).
- Vendor Parameters (MTM_PARMNM_PNL_GBL).

This section provides an overview of analytic parameters, analytic structures, and interface methods; lists common elements; and discusses how to:

- Define analytic structures.
- Assign analytic Structured Query Language (SQL) statements.
- Enter vendor information.
- Map vendor function parameters.
- Set up analytics using the Microsoft Excel interface method.
- Assign Microsoft Excel parameters.
- Set up analytics for using the COM interface method.
- Assign COM parameters.
- Set up analytics for using the File Export interface method.
- Assign file export parameters.
- Define analytic calculations.
- Map calculations to programs.
- Set parameter details.
- Define deal analytic functions.

Understanding Analytic Parameters, Analytic Structures, and Interface Methods

This flowchart illustrates the setup process for enterprise risk management:



Setting up enterprise risk management

The first step to running analytics is establishing the analytic structures' definitions.

By the time you are ready to perform this step, you may have chosen your analytic solution vendor and gone through vendor-specific functional data requirements. Most analytic functions use structured parameters as inputs.

Analytic Parameters

Analytic parameters can range from generic yield curves with a maturity date and corresponding rate as component fields to complex cash flow sets and vendor-specific structures that have more than three fields as components. For example, a yield curve parameter that is being passed to a function could look like this:

Date	Rate
March 10, 2004	5.60000%
March 11, 2004	5.60043%

Date	Rate
April 11, 2004	5.60210%
July 11, 2004	5.60800%
March 10, 2005	5.61000%
March 10, 2006	5.80000%
March 10, 2007	6.30000%

Analytic Structures

To enable the use of such a parameter, we define it as a structure. Structures enable the definition of complex parameters required by the analytic solution functions in a specific format. PeopleSoft tables store the application and market data as normal fields and not as structures. This step enables you to combine the simple data types stored in the PeopleSoft rate tables and to build the complex data structures required by the analytic vendor that you specify.

In a later step, you can use SQL statements to retrieve complex data parameters from the application tables and incorporate these parameters into their respective functions.

Interface Methods

Set up parameters for communicating with third-party analytics using one of three methods:

- Microsoft Excel.
- Component Object Model (COM).
- Flat File Export.

Common Elements Used in This Section

Sequence	Displays the numerical order in which a process runs.
Character	Enter an alphanumeric character.
Structure	Enter a predefined analytic structure.
Data Type	Select from <i>Character</i> , <i>Date</i> , or <i>Number</i> . The data type corresponds to the value of the characters in the data tables.
MTM Func Comments (mark-to-market function comments)	Enter comments about parameters, any limitations or exceptions to these parameters, and general comments about functions.

Pages Used to Set Up Analytics

Page Name	Object Name	Navigation	Usage
Define Structures	MTM_STRUCTDEFN_PNL	Risk Management, Structure Analytics, Analytic Structures	Define the analytic structures that your organization uses when assigning valuation parameters. Delivered for use with FEA.
Analytic SQL	MTM_SQLCNTRL_PNL	Risk Management, Structure Analytics, Analytic SQL	Assign SQL statements to retrieve the discrete deal and market rate information. PeopleSoft tables store this data.
Vendor Information	MTM_PRODNM_PNL	Risk Management, Structure Analytics, Vendor Information	Enter general information about third-party analytics vendors.
Vendor Parameters	MTM_PARMNM_PNL	Risk Management, Structure Analytics, Vendor Parameters	Establish parameters used by functions associated with a specific vendor. Delivered for FEA.
Analytic Functions (Excel)	MTM_FUNC_HDR_EXL_P	Risk Management, Structure Analytics, Analytic Functions (Excel)	Map your analytics to Microsoft Excel formatting.
Analytic Functions (Excel) - Parameters	MTM_FUNC_DFN_EXL_P	Select the Parameters tab on the Analytic Functions (Excel) page.	Assign parameters to the Microsoft Excel-based analytics.
Analytic Functions (COM)	MTM_FUNC_HDR_COM_P	Risk Management, Structure Analytics, Analytic Functions (COM)	Set up analytics using the Component Object Model (COM) format.
Analytic Functions (COM) - Parameters	MTM_FUNC_DFN_COM_P	Select the Parameters tab on the Analytics Using COM page.	Assign parameters to COM-based analytics.
Analytic Functions (File Exp)	MTM_FUNC_HDR_FSI_P	Risk Management, Structure Analytics, Analytic Functions (File Exp)	Set up analytics using file export. This method uses analytic functions provided by FEA. If you specified an interface method of File Export for either vendor, you can add extra functions to apply to the same or different parameters, thereby increasing the complexity of analysis.

Page Name	Object Name	Navigation	Usage
Analytic Functions (File Exp) - Parameters	MTM_FUNC_DFN_FSI_P	Select the Parameters tab on the Analytics Using File Export page.	Assign parameters to the analytic functions using file export. See Chapter 2, “Defining Risk Management Processing Options.” Assigning Microsoft Excel Parameters, page 17.
Analytic Calculations - Program	MTM_PROGRAM_DEFN	Risk Management, Structure Analytics, Analytic Calculations	Create arithmetical functions to identify and measure risk as well as conduct macroeconomic analyses. For example, you can create what-if cases for which interest rate changes cause variations in demand.
Analytic Calculations - Steps	MTM_PROG_STEPS	Select the Steps tab on the Analytic Calculations - Programs page.	Establish instrument to analytic program mapping.
Program Function Details	MTM_PROG_FUNC_DETL	Click the Function Details/Parameters link on the Analytic Calculations - Steps page.	Establish evaluation type values for functions.
Instrument Analytics	INSTR_MTMDEFN_PNL	Risk Management, Structure Analytics, Instrument Analytics	Map analytic functions to specific instrument types.
Deal Analytics	MTM_DEALVAL_PNL	Risk Management, Reevaluate Deals, Deal Analytics	Set up analytics for the deal.

Defining Analytic Structures

Access the Define Structures page.

Define Structures

Structure: DF_CURVE

Description: Discount Factor Curve

Details			Find	First	1-2 of 2	Last
*Sequence	Field Name	*Data Type				
1	MatDate	Date				
2	DiscFactor	Number				

Define Structures page

Field Name

Displays the name associated with the data field extracted from the market rate or deal data tables.

Data Type Corresponds to the value of the characters in the data tables.

Assigning Analytic SQL Statements

Access the Analytic SQL page.

Analytic SQL

Analytic SQL ID: 10YR_VOLATILITY

***SQL Type:** Select from Database

***Description:** 10 yr volatility number for use in JPM Four15 application. Obtained from rate tables. This is single ccy volatility. Index type is hardcoded to 'VO'.

Return Data Type: Number **Structure:**

SQL Statement:

```
select %DecDiv(A.RT_RATE,100.00) from PS_MTM_RT_INTRP_VWA, PS_INSTR_MTMFN_IDX B where A.RT_RATE_INDEX =
B.RT_RATE_INDEX and A.FROM_CUR = (select TRANSACT_CURRENCY from PS_TRX_DETAIL_TR where BUSINESS_UNIT
=:BUSINESS_UNIT and TREAS_HEADER_ID=:TREAS_HEADER_ID AND TRANSACTION_LINE = 1) and A.TO_CUR = (select
TRANSACT_CURRENCY from PS_TRX_DETAIL_TR where BUSINESS_UNIT=:BUSINESS_UNIT and TREAS_HEADER_ID
=:TREAS_HEADER_ID AND TRANSACTION_LINE = 1) and A.RT_TYPE = B.RT_TYPE and B.INSTRUMENT_TYPE = (select
INSTRUMENT_TYPE from PS_TRX_HEADER_TR where BUSINESS_UNIT=:BUSINESS_UNIT and TREAS_HEADER_ID
=:TREAS_HEADER_ID) and B.MTM_DATA_SOURCE = 'M1' and B.EFFECTIVE_DATE = (select PS_MTM_RT_INTRP_VWA
```

Save Return to Search Previous in List Next in List Notify Add Update/Display

Analytic SQL page

You need to retrieve specific parameters from the deal and forward these parameters to the analytic function to use the analytic functions. Risk Management delivers a standard set of parameter SQL statements that retrieve the discrete deal and market rate information and store the data in PeopleSoft tables. You can use the SQL statements provided or devise and implement new parameter data, depending on your business requirements.

SQL Type Select *Select from Database* if you wish to retrieve data from the database, or select *Save to Database* if you are saving data using an Update or Insert statement.

Return Data Type This field is available only if you are creating a Select from Database SQL statement. Select a *Number*, *Date*, *Structure*, or *Char* (character). If you select *Structure*, the Structure field becomes available. Enter a structure that you defined on the Analytic Structures page.

SQL Statement Displays discrete deal and market rate information. You can view and edit this SQL statement, as necessary.

Entering Vendor Information

Access the Vendor Information page.

Vendor Information		Contact Information	
Product/Vendor Name:	FEA_COM	Name:	
Description:	FEA analytics accessed via COM	Title:	
*Interface:	Component Object Model v	Phone:	
EDI Staging Table:		City:	
Valuation Method:	v	☐ Workbook Required	
File Path:	c:\telmap\		

Vendor Information page

This table describes the available Interface methods:

Interface Method	Description	Conditions
<i>COM (Component Object Model)</i>	Creates objects that can be accessed and used by another COM-compliant application. Uses analytic functions provided by FEA.	Selecting this option disables the Valuation Method, Workbook Required, and EDI Staging Table fields.
<i>Excel Add-In</i>	Calculates analytics for the deal using third-party Microsoft Excel calculations.	Selecting this option enables the Valuation Method and Workbook Required fields and disables the EDI Staging Table field. Select a valuation method of either <i>Function</i> or <i>Macro</i> , and select the Workbook Required check box, if applicable. The options you set depend upon the third-party vendor that you are using.
<i>File Format</i>	Provides a staging table location for deal attributes. Risk Management stores the attributes in a staging table and exports them in a flat file. Uses analytic functions provided by FEA.	Selecting this option disables Valuation Method and Workbook Required fields and enables the EDI Staging Table field. Identify the location of the EDI staging table where you plan to store the deal data for export.

EDI Staging Table

Used when the File Format Interface method is selected. This is the staging table used to store deal attributes that are to be used to create the file to be exported.

Valuation Method

Used when the Excel Add-In Interface method is selected. Directs the system to either call a specified Macro or built-in Excel function.

File Path

The directory where an exported file will be placed.

Fields in the Contact Information group box are optional.

Mapping Vendor Function Parameters

Access the Vendor Parameters page.

Vendor Parameters

Product/Vendor Name: FEA_COM
 Parameter Name: BARRIER_STYLE

Description: exercise style of the barrier

***Data Type:** Character

***Evaluation Type:** Use SQL

☒ Translate Y/N

Analytic SQL ID: OPTION_EXERCISE_TYPE

File Export Field:

Parameter Value X-Ref

Find | View All | First | 1-2 of 2 | Last

PeopleSoft		Vendor	
A	=	amer	+ -
E	=	euro	+ -

Vendor Parameters page

The field attributes for this page vary depending on the values you select in the Data Type and Evaluation Type fields. Use this table as a guide:

Data Type	Evaluation Type	Available Fields
Character	Use Constant.	Constant
(blank)	Use SQL.	Analytic SQL ID, Translate Y/N
Date	Use Constant.	Constant
(blank)	Use SQL.	Analytic SQL ID
Number	Use Constant.	Constant
(blank)	Use SQL.	Analytic SQL ID, Translate Y/N
Structure	If you select <i>Structure</i> as the data type, you cannot select an evaluation type.	Structure, Analytic SQL ID

Use SQL

Select SQL statements in the Analytic SQL ID field from those provided by Risk Management or additional statements that you created.

Use Constant	Select a value in the Constant field. You can use a constant value not associated with PeopleSoft tables, or use the same value for all deals regardless of the instrument type or any other conditions.
Translate Y/N (translate yes/no)	Select to enable the Parameter Value X-Ref group box, which provides a field for PeopleSoft- and Vendor-specific entries. Enter information specific to Risk Management in the PeopleSoft field and information provided from the third-party vendor in the Vendor field. For example, PeopleSoft tables store an option Buy or Sell as a Purchase (P) or Write (W) XLAT value. Vendor "X" wants to see and use the values as a Buy (B) or Sell (S). The PeopleSoft system translates the stored values (P) or (W) to Vendor "X" accepted values of (B) or (S).
File Export Field	Enter the mapping sequence used to map the parameter to a specific field in the staging table for file exports. This field is available only if you select a vendor with <i>File Format</i> as the interface method on the Vendor Information page.

Setting Up Analytics for Using the Microsoft Excel Interface Method

Access the Analytic Functions (Excel) page.

Analytic Functions (Excel) page

If you specified an interface method of *Excel Add-In* for a vendor, you can add extra functions to apply to the same or different parameters, thereby increasing the complexity of analysis.

Return Data Type Select *Number*, *Date*, *Structure*, or *Char* (character). If you select *Structure*, the *Structure* field becomes available. Enter a structure that you defined on the Analytic Structures page.

Addin Select to incorporate an add-in to the Microsoft Excel third-party analytics. If you selected *Macro* on the Vendor Information page, complete the *Workbook* and *Worksheet* fields. Enter the value of the Cell Location field (on the Analytics Using Excel - Parameters page) in the *Output Range* field.

Assigning Microsoft Excel Parameters

Access the Analytics Functions (Excel) - Parameters page.

Analytic Functions (Excel) Parameters

Vendor: EXCEL_FUNCTIONS Function: DURATION

Details Find | View All First 1 of 1 Last

*Sequence: 1

Description: Cell Location: a1

Function Call: Duration(&P1, &P2, &P3, &P4, &P5)

Sequence	Parameter Name	Absolute Value	Required	Cell Range
1	SETTLEMENT		☒	a2
2	MATURITY		☒	a3
3	COUPON	☐	☒	a4
4	YIELD	☐	☒	a5
5	FREQUENCY		☒	a6

Analytics Functions (Excel) - Parameters page

Each third-party analytic function requires parameters to calculate an analytic value for a deal. Vendors provide functions, and the PeopleSoft system uses the deal attributes stored in tables as parameters.

Specifying Function Calls

Function Call

If a vendor uses functions, you must concatenate &P with the sequential parameter number by separating each parameter with a comma in the Function Call field. The function call expands into a Microsoft Excel-compatible function call when you save. For example, if the function call is *Func (&P1, &P2, &P3)*, the values in the Cell Range field for these parameters are *C1*, *C2*, and *C3*. Internally, this cell range converts into *Func (R1C3:R1C3, R2C3:R2C3, R3C3:R3C3)*. This field is hidden, and Microsoft Excel uses it. The length of the field is equivalent to the maximum permissible character limit allowed for a Microsoft Excel cell (254 characters).

Cell Location

Displays the output sheet name. Enter this value in the Output Range field on the Analytics Using Excel page.

Mapping Parameters

Parameter Name

Select a parameter name value associated with the specified function.

Required

Indicates those function parameters that are required. Certain third-party vendor applications fail if you do not export specific required function parameters to their application.

Absolute Select to convert a signed numeric value to an absolute numeric value.

Setting Up Analytics for Using the COM Interface Method

Access the Analytic Functions (COM) page.

The screenshot shows the 'Analytic Functions (COM)' page. It has two tabs: 'Analytic Functions (COM)' and 'Parameters'. The 'Analytic Functions (COM)' tab is selected. The page contains the following fields:

- Vendor:** FEA_COM
- Function:** CalcCBOND_MEASURES
- *Description:** coupon bearing bond measures
- Return Data Type:** Number (dropdown menu)
- MTM Func:** CBOND3
- Comments:** CBOND3 values coupon bonds. Syntax CBOND3(mty_date, freq, first_date, cpn, yld_cv, choices, cpn_type, start_date, bas, cpn_cv, am_cv, val_date, bp_sh, interp, extrap, hol, date_conv)

Analytic Functions (COM) page

This method uses analytic functions provided by FEA. If you specified a COM interface method, you can add extra functions to apply to the same or different parameters, thereby increasing the complexity of analysis.

Return Data Type Select *Number*, *Date*, *Structure*, or *Char* (character). If you select *Structure*, the Structure field becomes available. Enter a structure that you defined on the Analytic Structures page.

Assigning COM Parameters

Access the Analytic Functions (COM) - Parameters page.

Analytic Functions (COM) **Parameters**

Vendor: FEA_COM **Function:** CalcCBOND_MEASURES

Details Find | View All First 1 of 2 Last

***Sequence:** 1 **Description:** CBOND valuation

Create Object: FEAINTRLIBSIMPLE.FEAINTRLIBSIMPLE.1 ***Method/Property:** Method **Method:** CBOND

Sequence	Parameter Name	Absolute Value	Required		
1	MATURITY_DATE		☒	+	-
2	COUPON_FREQUENCY	☐	☒	+	-
3	FIRST_PAYMENT_DATE		☒	+	-
4	COUPON_RATE	☐	☒	+	-
5	COUPON_TYPE		☒	+	-

Analytic Functions (COM) - Parameters page

Create Object Enter the component object model name.

Method/Property Specify whether to call a method, set or get a property.. If you select *Get Property* or *Set Property*, enter the Property name. If you select *Method*, enter the Method name.

See Also

Chapter 2, “Defining Risk Management Processing Options,” Assigning Microsoft Excel Parameters, page 17

Mapping Calculations to Programs

Access the Analytic Calculations - Steps page.

Program **Steps**

Vendor: EXCEL_FUNCTIONS **Calculation:** DURATION

Parameters Find | View All First 1 of 1 Last

***Step Variable** 1 **Operand Type** Function **Operand Value:** DURATION **Operator** **Operand Type 2**

☐ Save [Function Details/Parameters](#)

Analytic Calculations - Steps page

This page enables you to further define analytic rules for a specific vendor using existing predefined calculations. You can create relationships between mathematical operands using mathematical operators. To do this:

1. Define the step number.
2. Define the variable.

Variables symbolically refer to figures, which must be generated through calculations. Use of variables improves system performance when rendering complex mathematical operations. The available mathematical operations that you can symbolize through variables are determined by the operands that you select.

3. Select an operand type.

Operands are the components of mathematical operations. There are four types of operands:

- *Constant*: Brings a particular figure into the formulations.
- *Function*: Runs provided functions, such as executing valuation models or setting up yield curves.

The Function operand can be used only as the first operand, the primary mathematical process, which is then adjusted by given quantities. Selecting *Function* as an operand activates the Parameter link, which enables you to edit a provided function according to your business needs.

- *SQL*: Uses SQL.
- *Variable*: Uses a specified variable.

4. Define an operator.

Operators refer to the symbols of mathematical relationships linking operands. In addition to the four standard math operators (+ = Add, - = Subtract, x = Multiply, / = Divide), five additional operators are provided:

- *Log*: Any base logs.
- *Exp*: Enables you to calculate discount rates.
- *Min*: Lowest operand.
- *Max*: Creates operand.
- *Return*: Enables you to make the result of that step to return to the underlying calculation (PeopleCode) for further use.

5. Define an operand value.
6. Select the Save check box to store that step's data as temporary data in a table.

Setting Parameter Details

Access the Program Function Details page.

Program Function Details

Function: DURATION

Sub Functions

Find | View All First 1 of 1 Last

Function Sequence: 1

Parameter Name	Evaluation Type	Value
SETTLEMENT	Use SQL	SETTLEMENT_DATE
MATURITY	Use SQL	MATURITY_DATE
COUPON	Use SQL	COUPON_RATE
YIELD	Use SQL	YIELD_TO_MATURITY
FREQUENCY	Use Constant	4

Program Function Details page

Evaluation Type

You can edit the evaluation type of a function's sub-function parameters, according to your business needs.

- *Use Constant*: Select to specify a constant value.
- *Use SQL*: Select to specify a constant value.
- *Use Variable*: Select to specify a variable.

Defining Instrument Analytic Functions

Access the Instrument Analytics page.

Instrument Analytics

SetID: SHARE Instrument Type: IRSWAP PSC

*Fair Value Adjustment Type: Per Period Fair Value

VaR Export SQL:

Details

Find | View All First 1 of 3 Last

Function Usage: MTM Mode: GENERIC
 Vendor: FEA_COM Option Line:
 Calculation: SWAP_VALUATION

Rate/Index Type				
Data Purpose	Market Rate Index	Rate Type		
Volatility	CP1YC	VOL	+	-
Yield	CP1YC	CRRNT	+	-

Instrument Analytics page

Fair Value Adjustment Type

Select *Per Period Fair Value*, *Cumulative Amortized Cost*, or *Cumulative Fair Value*.

VaR Export SQL

This is the SQL used to generate the VaR export file. The results of the SQL will be used to create a comma delimited file to be used by the VaR process to calculate VaR.

Details**Function Usage**

Select the function usage for this instrument. If you have more than one function sequence, the sequences must be from the same vendor. Select from the following:

Convexity: Represents the amount that an instrument's price sensitivity differs from that implied by the instrument's duration.

Mathematically, it is the second derivative of price with respect to yield. For a bond, it measures the curvature of the price/yield relationship of a bond's cash flows.

Credit Risk: Describes the credit risk associated with an instrument.

Delta: Describes an option premium's sensitivity to changes in the price of the underlying asset.

It is the amount of the underlying necessary to hedge small changes in the option price for small movements.

Duration: Represents the average life of the present values of future cash flows from an instrument.

Mathematically, it is the first derivative of price with respect to yield.

File Export: Processes deal attributes into a flat file for use by FEA File Import and other standalone third-party applications.

If you select *File Export*, the fields in the Rate/Index Type group box are unavailable.

MTM (mark-to-market): Calculates the value of the financial instrument based on the current market price of the underlying asset.

MTM-A (mark-to-market accounting): Calculates the clean value of the financial instrument based on the current market price of the underlying asset for accounting purposes.

This value does not contain any accrued interest.

Pricing: Values an instrument to observe and analyzes its worth.

This may or may not involve using current market prices.

Market Risk: Analyzes the impact of changes in market conditions on the firm.

Operational Risk: Measures the risk arising out of operational conditions and human interaction.

Other: Indicates any other type of risk; for example, legal, political, and so on.

Calculation

Specify an analytic calculation.

Rate/Index Type**Data Purpose**

Select *Cmdty* (commodity), *Credit*, *FX* (foreign exchange), *Other*, *Price*, *VO* (volatility), or *Yield*.

Market Rate Index and Rate Type

Specify options for these fields to dictate the mapping of market rates to the instrument types.

Defining Deal Analytic Functions

Access the Deal Analytics page.

Deal Analytics

Unit: US001 **Deal ID:** T-SECMTM **Instrument Type:** CORPBOND

Fair Value at Transaction Date

Initial Fair Value: 94,505,500.00 **Current FV Currency:** USD ☐ **Override Fair Value**

Run Analytics

As of Date: 02/17/2005 **Function Usage:** MTM **Mode:** GENERIC [Risk Measures](#)

 Mark to Market Value: 100,000,000.00 USD

Fair Value History

[Customize](#) | [Find](#) | [View All](#) | [First](#) | 1 of 1 | [Last](#)

As of Date	Fair Value	Currency	Fair Value Adjustment	Change in Fair Value

Ad-hoc Override

Currency: USD **Market Rate Index:** **Rate Type:**

Deal Analytics page

Analytic functions based on the instrument type can also be set on a specific deal to track the effects of various types of market risk against the deal's fair value.

Override Fair Value

Select to override the initial fair value amount.

Risk Measures

Click to access the Deal Risk Measures page to view risk measurements for the deal.

Calculate

Specify analytic parameters in the Run Analytics region, and then click Calculate to view the recalculated fair value history.

CHAPTER 3

Understanding Hedge Analytics and Accounting

This chapter provides an overview of hedge accounting and analytic, and discusses:

- FAS 133 Hedge Accounting.
- Hedge types.
- Embedded derivatives.
- Accounting Treatments for complying with IAS 39.

Understanding Hedge Analytics and Hedge Accounting

Every enterprise's assets and liabilities are exposed to fluctuations in interest rates, exchange rates, or commodity prices. An enterprise will always have natural hedges, but in most cases it is necessary to manage risk proactively by taking a position in a derivatives contract, insurance, and so on. Not entering into such contracts actually increases overall risk.

Derivatives, such as foreign exchange forward and future contracts, options, or currency swaps can reduce deviations from expected earnings, but the enterprise needs to implement risk management systems and procedures to manage those transactions.

Risk Management provides the IAS 39 and FAS 133 Hedge Accounting features to address your organization's economic realities and the regulatory requirements associated with derivative instruments.

FAS 133 provides accounting standards for working with hedge transactions and requires certain compliance elements that provide stakeholders with windows into the workings and financial progress of the enterprise's risk management. Under FAS 133, you use special accounting for hedged transactions, decreasing the income statement volatility otherwise introduced by mark-to-market accounting.

Since PeopleSoft 8.0, Treasury provided a hedge accounting solution based on FAS 133 guidelines, which focuses on accounting for derivatives and hedging activities. IAS 39 takes a broader view on accounting for financial instruments in general, and extends the areas addressed in FAS 133. There are, however, some differences that have a significant impact on reported performance.

IAS 39 imposes strict regulations on the use of hedge accounting, even for hedges that are economically effective. IAS 39 also imposes requirements for a wide range of instruments, including all derivatives, an enterprise's investments in debt and equity securities, financial assets and liabilities held for trading, and a company's own debt. It also covers short-term instruments such as trade receivables and payables.

Whether an organization complies with FAS 133 or IAS 39 regulations, PeopleSoft provides the ability to review investment and hedging strategies, and implement accounting systems to meet the processes and documentation requirements.

See Also

[Chapter 4, “Analyzing Risk,” page 39](#)

[Chapter 5, “Creating and Maintaining Hedges,” page 45](#)

FAS 133 documentation, www.FAS133.com

IAS 39 documentation, www.iasc.org.uk

Risk Management and Hedge Accounting

This section discusses:

- FAS 133 Documentation requirements.
- Periodic effectiveness assessment for FAS 133.
- Hedge de-designation.

FAS 133 Documentation Requirements

Risk Management enables you to systemically meet and capture most hedge accounting requirements around documentation for FAS 133 and IAS 39. .

There are, however, certain documentation issues in the FAS 133/IAS 39 standard that fall outside of the scope of database features, and these may or may not apply to your organization and its risk management strategy. PeopleSoft discloses and documents these context-sensitive areas during the course of this PeopleBook.

Periodic Effectiveness Assessment for FAS 133

Effectiveness tests provide a means for an organization, its stakeholders, and external auditors to evaluate whether risk management strategies are on track. The tests also evaluate whether hedges are working or are likely to work as planned, and thus remain within bounds for special accounting.

Note. The paragraphs below are purely from FAS 133 documentation provided at the time of issue. The Financial Accounting Standards Board (FASB), however, regularly updates and appends some of the content through amendments or through feedback from Derivatives Implementation Group (DIG) commentaries. PeopleSoft does not take responsibility for such changes and modifications and expects the users to be familiar with the changes recommended by FASB in regards to FAS 133/138 accounting standards.

Examining the value of derivative instruments at given points in time, per ¶ 20(b), 28(b), determines whether they have experienced gains and losses on a derivative. When you set up a transaction, its correspondent hedged deal, and the link between the two and document it for FAS 133, you must also define and document tests or methodologies to assess hedge effectiveness.

Effectiveness Assessment at Inception

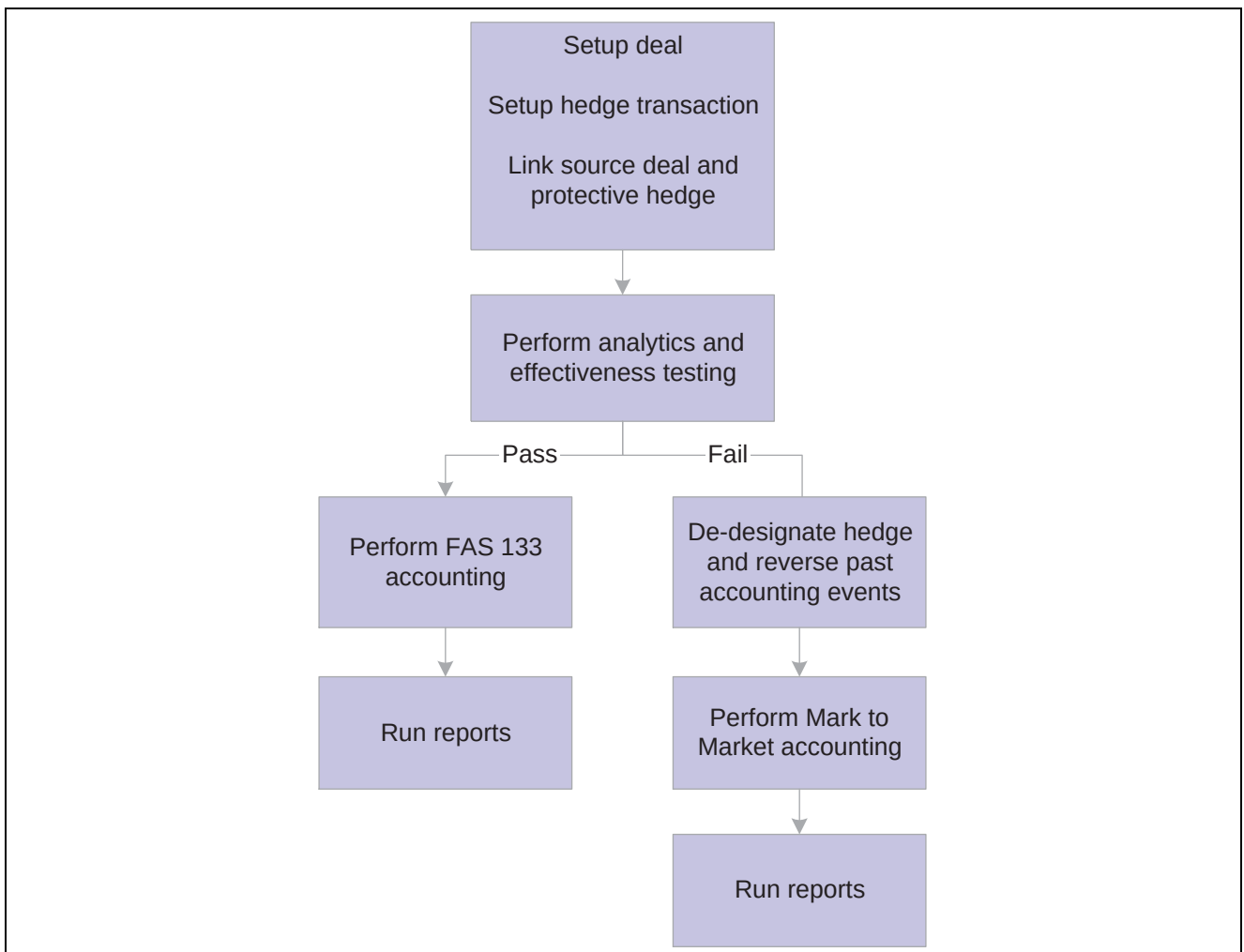
FAS 133 requires that you define tests of effectiveness assessment at the inception of the hedge, not retroactively or during the hedge's life span. Identifying and recording a derivative's value at predetermined points in time creates an audit trail.

Note. Regarding fair value hedges, ¶ 20(b) states: Both at inception of the hedge and on an ongoing basis, the hedging relationship is expected to be highly effective in achieving offsetting changes in fair value attributable to the hedged risk during the period that the hedge is designated. An assessment of effectiveness is required whenever financial statements or earnings are reported and at least every three months [¶ 20(b)]. Regarding cash flow hedges, ¶ 28(b) states: Both at inception of the hedge and on an ongoing basis, the hedging relationship is expected to be highly effective in achieving offsetting cash flows attributable to the hedged risk during the term of the hedge, except as indicated in paragraph 28(d) below. An assessment of effectiveness is required whenever financial statements or earnings are reported, and at least every three months [¶ 28(b)].

Hedge De-Designation

When your hedge transaction criteria are not met, including failed effectiveness assessment tests, you must de-designate the hedges, unwind their components, and apply mark-to-market accounting back to the last recorded date that the hedge passed effectiveness assessment. If a fundamental change in nature has occurred to the criteria you are hedging, FAS 133 accounting ends. For example, if you sell the recognized asset/liability, it expires, or the once firm commitment is terminated, FAS 133 accounting no longer holds.

Whenever deals meet documentation and effectiveness assessment testing requirements, you can use FAS 133's special accounting and benefit from decreased income statement volatility. This flowchart provides an overview of FAS 133 hedge accounting:



FAS 133 Hedge Accounting overview

Ineligible and Eligible Hedge Scenarios

These types of hedge scenarios are ineligible under FAS 133:

- Liquidity
- Theft
- Weather
- Competition
- Seasonality
- Political
- Operational

These types of hedge changes are eligible under FAS 133:

- Fair value of entire financial instrument.
- Percentage of entire fair value of the financial instrument.
- Fair value attributable to changes in interest (including prepayment as a separate component of interest-rate risk).
- Fair value attributable to changes in foreign currency exchange rates.
- Fair value attributable to changes in the obligator's creditworthiness.

Understanding Hedge Types

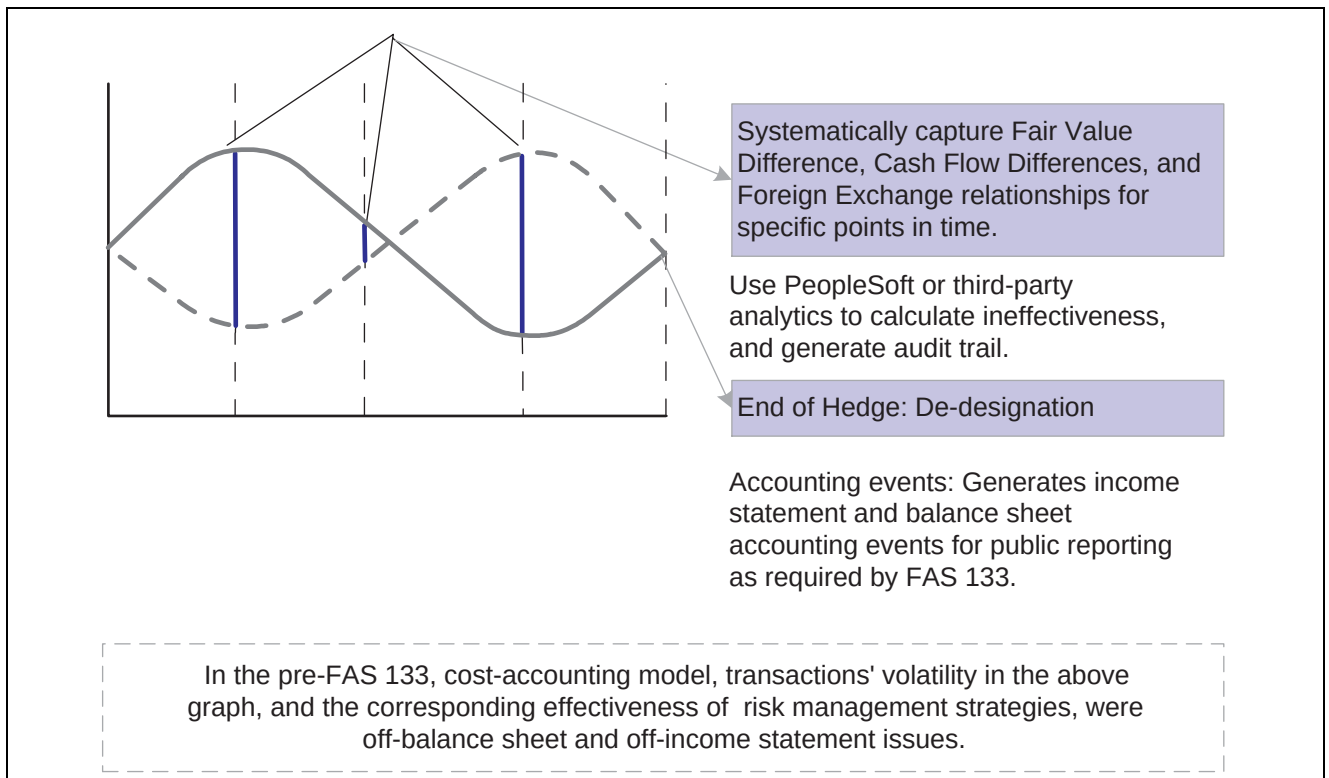
FAS 133 standardizes accounting for derivative instruments. It requires you to recognize derivative instruments as assets and liabilities in their statements of financial position and then to measure them at fair value. If certain conditions are met, your organization can designate a derivative instrument as a fair value hedge, cash flow hedge, or foreign currency hedge.

This section discusses:

- Risk Management and hedges.
- Fair value hedges.
- Cash flow hedges.
- Foreign currency hedges.

Risk Management and Hedges

This diagram shows how Risk Management handles hedges:



Handling hedges in Risk Management

This table shows the types of hedges that are available with particular kinds of instruments:

Instrument	Interest Rate	F/X	Fair Value	Cash Flow	Other
Swap	XXX		XXX	XXX	
Forward		XXX	XXX		XXX
Option		XXX		XXX	

Fair Value Hedges

Fair value hedges are hedges against exposure to changes (that are attributable to a particular risk) in the fair value of either of the following:

- Recognized assets or liabilities on your balance sheet.
- Unrecognized firm commitment and specific business commitments having significant financial relevance to your organization, but whose quantitative value does not go to your general ledger.

Firm Commitments

You hedge firm commitments in fair value hedges and in foreign currency cash flow hedges.

See “Fair Value Hedges: Firm Commitments—Statutory Remedies for Default Constituting a Disincentive for Nonperformance” published by Rutgers University.

Note. 540 defines a Firm Commitment as the following: “An agreement with an unrelated party, binding on both parties and usually legally enforceable, with the following characteristics: (a) The agreement specifies all significant terms, including the quantity to be exchanged, the fixed price, and the timing of the transaction. The fixed price may be expressed as a specified amount of an entity’s functional currency or of a foreign currency. It may also be expressed as a specified interest rate or specified effective yield. (b) The agreement includes a disincentive for nonperformance that is sufficiently large to make performance probable.”

Under FAS 133, gains and losses on qualifying fair value hedges should follow these accounting guidelines:

- They must recognize the hedging instrument’s gain or loss in current earnings.
- The gain or loss (that is, the change in fair value) on the hedged item attributable to the hedged risk must adjust the carrying amount of the hedged item and be recognized in current earnings.

Note. From ¶ 19 of FAS 133: “The change in fair value of an entire financial asset or liability for a period refers to the difference between its fair value at the beginning of the period (or acquisition date) and the end of the period, adjusted to exclude (a) changes in fair value due to the passage of time and changes in fair value related to any payments received or made, such as in partially recovering the asset or partially settling the liability.”

Here is an example of how this works:

With regression testing of a fair value hedge, the hedge is considered effective if its period ratio is between 80 and 125 basis points (0.8 to 1.25).

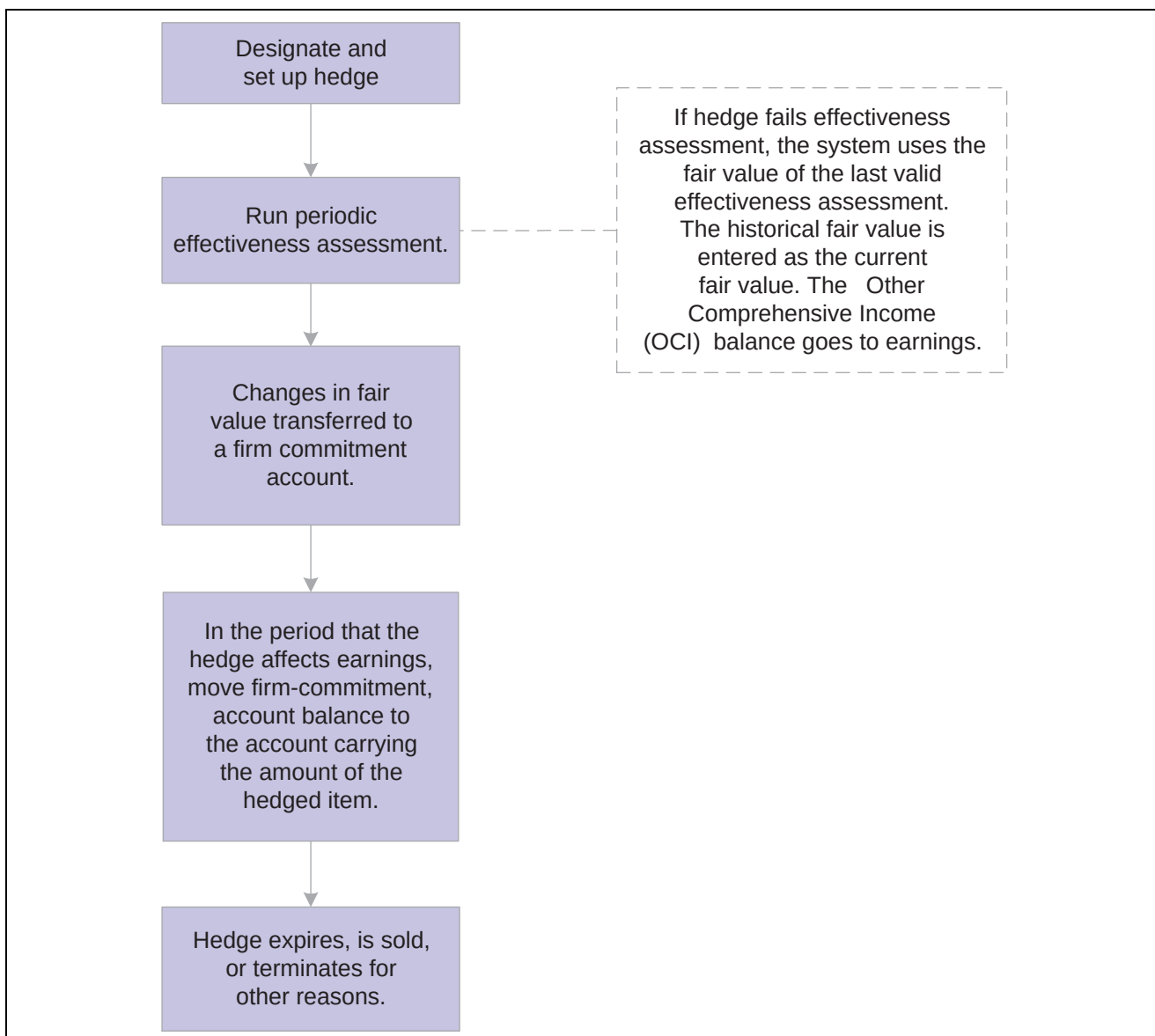
Period ratio equals the difference between the fair value change of hedging instrument (change in swap value) and the fair value change of hedged item (change in debt value).

	Period 1	Period 2	Net Difference
Change in swap value (hedging instrument)	10	-7	17
Change in debt value (hedged item)	-9	5	14
Difference in fair value	1	-2	3
Period ratio	-1.11 passes regression test ratio is within 0.8 to 1.25	-1.4 fails regression test terminate hedge	

Note. DIG's Fair Value Hedges: Basing the Expectation of Highly Effective Offset on a Shorter Period Than the Life of the Derivative states: "In documenting its risk management strategy for a fair value hedge, an entity may specify an intent to consider the possible changes (that is, not limited to the likely or expected changes) in value of the hedging derivative and the hedged item only over a shorter period than the derivative's remaining life in formulating its expectation that the hedging relationship will be highly effective in achieving offsetting changes in fair value for the risk being hedged. The entity does not need to contemplate the offsetting effect for the entire term of the hedging instrument."

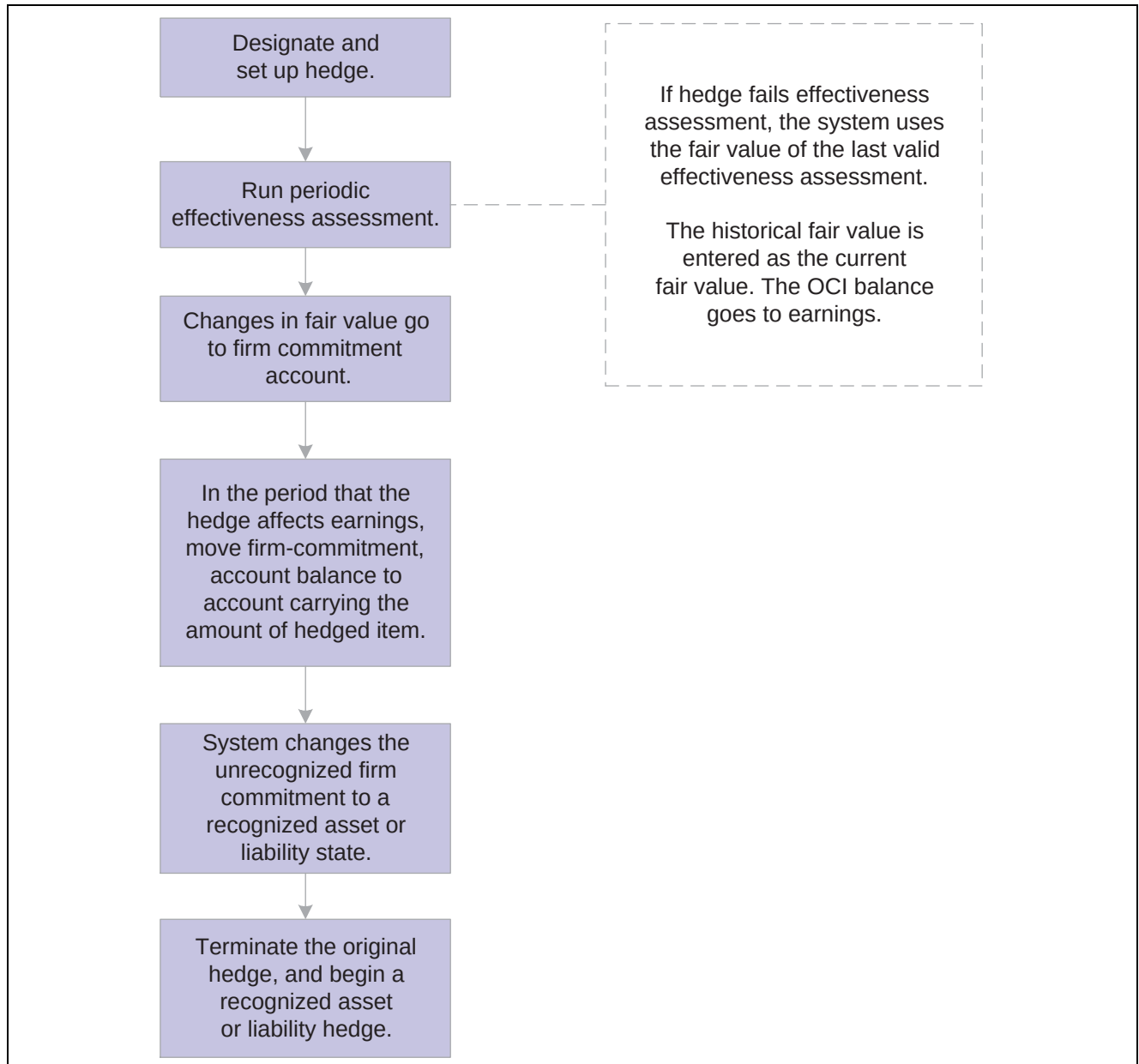
The functionality of Risk Management is not intended for formulating the prospective consideration that a hedge will be effective.

This illustration shows the fair value hedge in time:



Fair value hedges in time

This next illustration shows the life of an unrecognized firm commitment set up as a fair value hedge:



Fair value hedges in time of unrecognized firm commitments

Cash Flow Hedges

Cash flow hedges are hedges against exposure to volatility (that are attributable to particular risks) in the cash flows of either:

- Recognized assets or liabilities.
- Forecasted transactions.

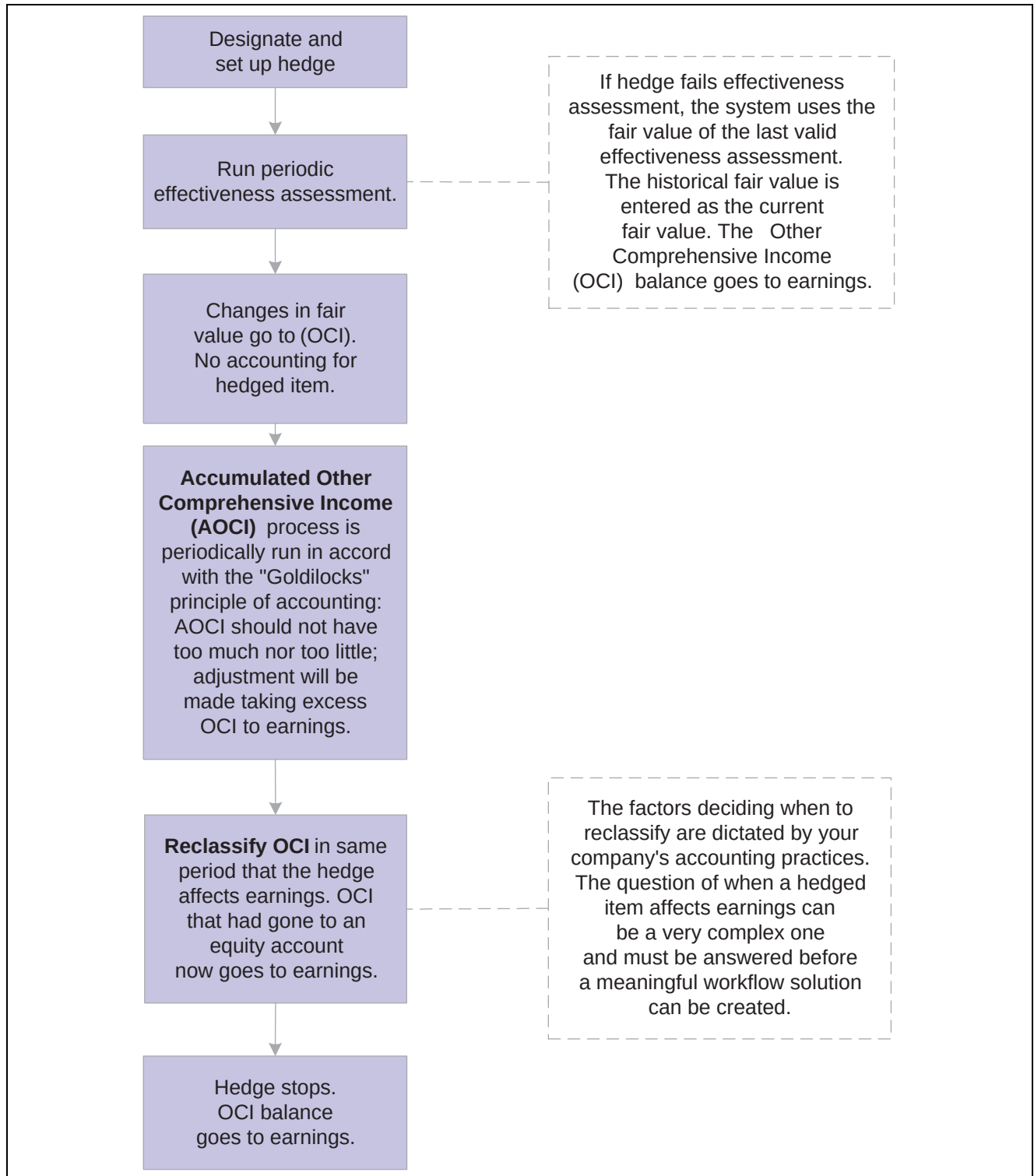
The main purpose of a cash flow hedge is to link a hedging instrument and a hedged item in situations where you expect changes in cash flows to offset one another. Under FAS 133, to achieve this offsetting of cash flows, changes in the fair value of a derivative instrument that is designated and effective as a cash flow hedge must be:

- Initially reported as a component of Other Comprehensive Income (OCI) outside earnings.

- Later reclassified as earnings in the same periods during which the hedged transaction affects earnings (for example, when a forecasted sale actually happens).

Capture changes in the derivative instrument's fair value using effectiveness testing, which creates OCI accounting events. These events, in turn, generate an audit trail and become available for public reporting. Report OCI in the equity section of the balance sheet.

This flowchart shows the cash flow hedge occurring in time:



Cash flow hedges in time

Derivatives Implementation Group Issues

When calculating the amount of ineffectiveness of a cash flow hedge according to ¶ 30(b), the guidance in Derivatives Implementation Group (DIG) Issue G7 applies.

See “G7 - Cash Flow Hedges: Measuring the Ineffectiveness of a Cash Flow Hedge of Interest Rate Risk, When the Shortcut Method Is Not Applied,” published by Rutgers University.

The issue lists three methods. Risk Management supports only the calculations of Methods 2 and 3.

Method 1: The Change in Variable Cash Flows method involves the following amounts that need to be calculated using an analytic:

- Cumulative change in fair value of the swap.
- Present value of the cumulative change in the cash flow on the floating leg of the swap.
- Present value of the cumulative change in the expected future interest cash flows on the floating rate debt.

Method 2: The Hypothetical Derivative method involves the following amounts that must be calculated using an analytic:

- Cumulative change in fair value of the actual swap.
- Cumulative change in fair value "hypothetical" swap that mirrors the floating rate debt.

The change in the fair value of the “perfect” hypothetical swap can be regarded as a proxy for the present value of the cumulative change in expected future cash flows on the hedged transaction, as described in ¶ 30(b)(2).

With the analytic used to value the forecasted transaction, you calculate the second amount in the previous list: the cumulative change in fair value "hypothetical" swap that mirrors the floating rate debt.

Method 3: Change in Fair Value method involves the following amounts that must be calculated using an analytic:

- Cumulative change in fair value of the actual swap.
- Present value of the cumulative change in the expected future interest cash flows on the floating rate debt.

Foreign Currency Hedges

Foreign currency hedges are hedges against foreign currency exposure to any of the following:

- Unrecognized firm commitments (fair value).
- Available-for-sale securities (fair value).
- Forecasted transactions (cash flow).
- Net investments in a foreign operation.

Unrecognized Firm Commitments

See Firm Commitments.

Available-for-Sale Securities

You can hedge the change in fair value of an available-for-sale debt security (or a specific portion) from changes in foreign currency exchange rates.

You can also hedge available-for-sale equity securities if changes in fair value come from changes in foreign currency under certain conditions. First, the security cannot be traded on an exchange (or another established marketplace) where trades are denominated in your functional currency. Second, dividends, or other cash flows, to the security’s holders’ must be denominated in the same foreign currency that you expect to receive when the security is sold.

Forecasted Transactions/Recognized Firm Commitments

You can hedge foreign currency exposure to variability in the functional-currency-equivalent cash flows from foreign-currency-denominated forecasted transactions and foreign-currency-denominated intercompany transactions.

Net Investment in a Foreign Operation

The complexity of a foreign operation extends beyond the scope of cash flow and fair value hedges, which address the risks of specific financial components. Net investment in foreign operation hedges are not supported in Risk Management.

Understanding Embedded Derivatives

The FAS 133 Hedge Accounting feature in Risk Management enables you to record and account for embedded derivatives in the following two ways:

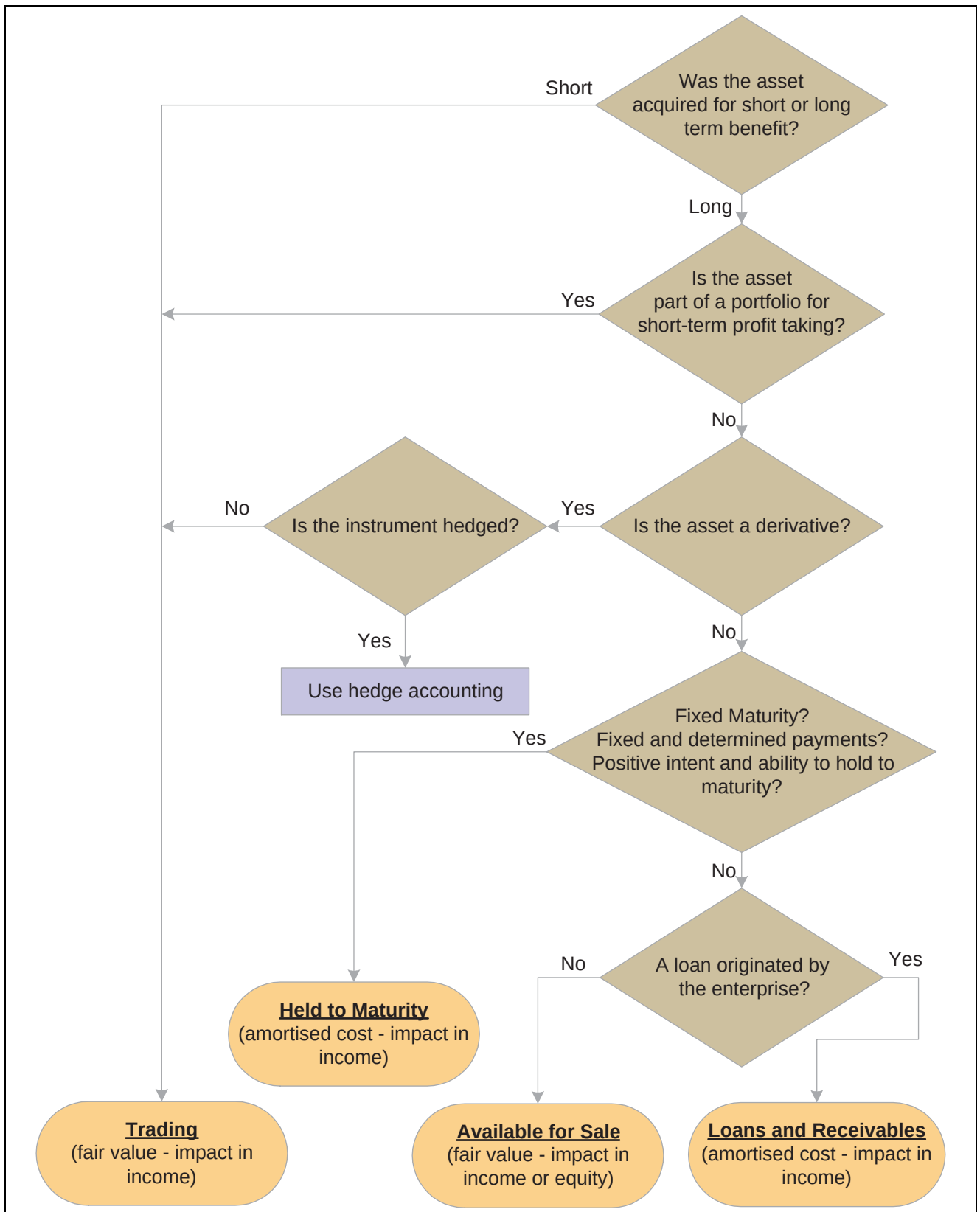
- You enter two separate Risk Management deals: one for the host contract and one for the embedded derivative.
- You enter the hybrid deal as a single deal using multiple detail lines/instrument base types if needed, and select the *Embedded* option on the Instrument Information component.

Note. The latter method is allowable only when the hybrid deal is not remeasured at fair value with changes in fair value reported in any account (such as earnings or OCI or any other account). If the hybrid deal is remeasured at fair value with changes in fair value reported in earnings as they occur, then the embedded derivative is not separated from the host contract (according to the guidance in ¶ 12(b). If the hybrid deal is remeasured at fair value with changes in fair value reported in any other account, then method (1) (separate deals) must be used to enter the hybrid instrument. This is because the system does not allow separate calculations to be made for the fair value of the host contract and the fair value of the embedded derivative.

You must examine specific contracts and ask if they contain an embedded derivative, determine how to split the embedded derivative from the host contract, and determine how best to use the Instrument Base Type architecture in PeopleSoft to split the hybrid contract into a host contract and a separated derivative.

Accounting Treatments for Complying with IAS 39

Use this diagram as an aid to determining the accounting treatment for complying with IAS 39 standards. Once determined, the accounting treatment is entered on the Instrument Detail page.



Decision tree for determining accounting treatment for IAS 39 compliance

CHAPTER 4

Analyzing Risk

This chapter provides an overview of the risk analysis process and discusses how to:

- Run and maintain VaR analysis.
- Export market risk files.

Understanding the Risk Analysis Process

This section discusses:

- Prerequisites.
- Common elements used in this chapter.
- Provided valuation functions.

Prerequisites

You must first define risk analytics on the Instrument Analytics page.

See Also

Chapter 2, “Defining Risk Management Processing Options,” Defining Instrument Analytic Functions, page 21

Common Elements Used in This Chapter

Calculation or Analytic Calculation	Select a calculation to generate the risk analysis. The selected vendor or vendor product name determines the available values.
Function Usage	Select the type of analysis to perform.
Mode or Analytics Mode	Available values depend on the function usage type.
Vendor or Vendor Product Name	Select from the available vendor names, generally <i>Excel Functions</i> or <i>FEA COM</i> . You define vendor names and their analytic calculations at installation.
Calculate	Click to run a risk analysis calculation.

Provided Valuation Functions

Through PeopleSoft’s partnership with Financial Engineering Associates (FEA), Risk Management contains an analytics calculation package to manage your enterprise risk.

Analytics calculation includes all of the different functions needed to perform a comprehensive risk analysis and management. For example, due to the complexity of analysis and companies, you can create your own customized analytics. Customized analytics include:

- Analytics calculation.
- Treasury deal valuations.
- Cash forecasting.
- Sales forecast.
- Manufacturing optimization.
- Brand and channel valuation.
- Macro level analysis
- Hedging effectiveness.
- Value at Risk (VaR).

Use combinations of different exposure objects to evaluate the impact of business and financial risks on the enterprise. Currently, exposure objects (treasury and non-treasury) are defined stored.

- Graphs and reports.

The system stores analysis and analytic activity output. You can generate reports (system delivered or customized) for both managerial and compliance needs, which consist of online analytical processing (OLAP) and generic data.

Here's how to determine hedges:

- Process and analyze a current cash position worksheet.
- Process and analyze VaR risk calculations.
- Determine what deals must be hedged from analysis results.

See Also

Chapter 5, "Creating and Maintaining Hedges," page 45

Analyzing VaR

This section provides an overview of VaR analysis and discusses how to run VaR analysis.

Understanding VaR Analysis

VaR is a methodology for measuring financial risk exposure. VaR is a number that represents estimated portfolio losses due to market movements for a particular time period and a given confidence level. With VaR, you can identify sources of risk and either bear them to support long-term strategies, transfer the risks at a reasonable price, or decide on alternatives to shed the risk.

Defining potential loss depends on two parameters:

- Time horizon considerations.
- Degree of confidence.

Time Horizon Considerations

Choosing a horizon for VaR calculation depends on your company's objectives and the portfolio's characteristics. Typical considerations include:

- Unwind period: how long, on average, does it take to reverse a market position or individual trade?
- Attention period: how often, on average, do you reexamine your portfolio and its mark-to-market or hedging trades?
- Accounting period: how long until the next financial reporting must be done?

Degree of Confidence (Probability of Occurrence)

The degree of confidence is a measure of the degree of certainty of the VaR estimate. The most commonly used degree of confidence is 95 percent, which means that 95 percent of the time the losses will be lower than the VaR number, while 5 percent of the time the portfolio will experience greater losses.

For example, an enterprise's Relative Earnings at Risk (EaR) are 10.00 MM USD, the time period is set to three months, and the confidence level is 95 percent. Over the next three months, there is a five percent chance that earnings will fall 10.00 MM USD or more below the target earnings for the period (6.00 MM USD).

Note. VaR concentrates on financial price risk, not on operational, legal, and other risks that the enterprise faces.

Calculating VaR

You can calculate VaR from three complementary methodologies and use these different measurements to simultaneously provide an overall view of your portfolio's risks.

Variance-covariance (analytic VaR)

The most commonly used of the three VaR methods, variance-covariance analyzes volatility and correlation between different risk exposures of an enterprise's portfolio.

Monte Carlo simulation

Generates random scenarios of prices and uses them to reevaluate a portfolio. Looking at hypothetical profits and losses under each price scenario, you can construct a histogram of expected profit and losses from which VaR is calculated. It does not assume that portfolio returns are distributed normally, but you need a correlation and volatility matrix to generate the random scenarios.

Historical simulation

Revalues a portfolio for several hundred historical scenarios, building a "hypothetical" distribution of profit and losses based on how the portfolio behaved in the past. It does not use estimated variances and covariances and does not make any assumptions about the distribution of the portfolio returns. Results can be skewed by anomalous events of a previous period. A few major events in the past may dominate the simulation exercise, so your analysis is then based on fewer data points.

Page Used to Run VaR Analysis

Page Name	Object Name	Navigation	Usage
VaR Analysis	RSK_VAR_RUN_PNL	Risk Management, Analyze Risk, VaR Analysis	Enter analytical parameters and calculate VaR on your portfolios.

Running VaR Analysis

Access the VaR Analysis page.

VaR Analysis

SetID: SHARE Portfolio: RTI

Parameters

Vendor:	FEA_COM	As Of Date:	10/23/2005
Calculation:	CAP_VALUATION	VaR Method:	MonteCarlo
File Path:		*Currency:	EUR

VaR: 0.00

VaR Analysis page

Vendor

Select a third-party vendor that will perform the VaR calculation based on the input values selected on this page. The vendor selected here determines the values available in the Calculation field.

Calculation

Select the type of VaR calculation to be performed. The calculation value selected here determines which functions from the MTM_DATAMAP_WRK.FUNLIB_02 function library are used to call the vendor to perform the calculation

File Path

Specify the output location of the log file for this vendor.

VaR Method

Select from the following options:

- *Analytic*: Estimation of the volatility of asset returns and of the correlations between these asset price movements.
- *Historical*: Consists looking back over a specific period of time and applying current weights to a time-series of historical asset returns. This return does not represent an actual portfolio but rather reconstructs the history of a hypothetical portfolio using the current position.
- *Monte Carlo*: The Monte Carlo method is a two-step process:
 1. The risk manager specifies a stochastic process for financial variables, as well as process parameters; the choice of distributions and parameters such as risk and correlations can be derived from historical data.
 2. Fictitious price paths are simulated for all variables of interest. At each horizon considered, which can go from one day to many months

ahead, the portfolio is marked-to-market using full valuation. Each of these scenarios are then used to compile a distribution of returns, from which a VaR figure can be measured.

Calculate

Click to run the VaR calculation.

VaR

Displays the results of the specified VaR calculation.

Exporting Market Risk Files

Using the Risk File Export process (RSK_FILEEXP), you can export risk analysis data for a specified business unit and portfolio to a third party.

Page Used to Export Market Risk Files

Page Name	Object Name	Navigation	Usage
Export Market Risk File	TR_FOUR15_FILE_EXP	Risk Management, Analyze Risk, Export Market Risk File	Run the Risk File Export application engine process to export risk analysis files to a third-party application.

Exporting Market Risk Files

Access the Export Market Risk File page.

Export Market Risk File page

Unit

Select a business unit. The business unit selected determines the prompt values for the portfolio and instrument type fields.

Portfolio

Select a portfolio to determine which deals will be included in the file.

Instrument Type

Selecting an instrument type will limit the inclusion of file data to only deals of a particular instrument type. This field can be left blank.

File Path

Enter the path and directory to which the newly created file will be exported.

CHAPTER 5

Creating and Maintaining Hedges

This chapter provides an overview of hedge creation and maintenance and discusses how to:

- Create hedges.
- Maintain hedges.
- Set up hedge groups.
- Manage hedge groups.

Understanding Hedge Creation and Maintenance

This section discusses:

- Prerequisites.
- Common elements.
- The hedge life cycle.

See Also

[Chapter 3, “Understanding Hedge Analytics and Accounting,” page 25](#)

Prerequisites

Before you create and maintain hedges, you must:

1. Analyze cash position and settlements using Cash Management.
2. From cash position and settlements information, identify investing or borrowing instruments using Deal Management.
3. Calculate and analyze your risk based on the cash and deal information and decide if you must create a hedge.

See Also

[Chapter 2, “Defining Risk Management Processing Options,” page 3](#)

PeopleSoft Enterprise Cash Management 9.0 PeopleBook, “Defining Cash Positions,” Managing Position Worksheets

PeopleSoft Enterprise Deal Management 9.0 PeopleBook, “Capturing Deals and Trade Tickets”

Common Elements in This Chapter

Initial Fair Value Attributable to Hedged Risk and Fair Value	Displays the fair value (mark to market) of a treasury deal, or the fair value or cash flows of a hedged item.
Initial Fair Value Adjustment and Fair Value Adjustment	Displays the (cumulative) adjustment amount excluded from the calculation of the change in fair value of a deal or hedged item. This amount corresponds to amortized cost for investments and to ¶ 19 adjustments for a hedged item.
Use Zero	Select this check box to use zero value for calculation, instead of initial fair value amount.
Use Values	Select this check box to use entered values for calculation, instead of initial fair value amount.
New Value	Click to calculate the new value of the hedge per specified parameters.

The Hedge Life Cycle

Here's an overview of the entire hedge life cycle:

- Create hedges, either importing information or creating hedges manually.
- Adjust and remove hedges using the Hedge Maintenance page.
- Process hedge Accumulated Other Comprehensive Income (AOCI) using the Process AOCI page.
- Create hedge groups and maintain hedge items and hedge groups.

See Also

Chapter 3, “Understanding Hedge Analytics and Accounting,” Risk Management and Hedge Accounting, page 26

Creating Hedges

This section discuss how to:

- Automatically import hedge information.
- Enter hedge designation information.
- Enter hedging deal information.
- Enter deal accounting information.
- Enter hedged item information.
- Enter hedge transaction details.
- Enter item accounting information.

Pages Used to Create Hedges

Page Name	Object Name	Navigation	Usage
Other Hedgeable Items	HDG_EXPOSURE_PNL	Risk Management, Analyze Hedge, Other Hedgeable Items	You can import a database record from another PeopleSoft application or third-party system.
Hedge Designation	HDG_HEDGE	Risk Management, Analyze Hedge, Hedges	Capture descriptive information about your hedging purposes and strategies to meet disclosure requirements.
Hedging Instrument	HDG_HEDGE_DEAL	Risk Management, Analyze Hedge, Hedges, Hedging Instrument tab	Capture information about the deal you will use to protect the hedged exposure.
Deal Accounting	HDG_HEDGE_DEAL_AC	Risk Management, Analyze Hedge, Hedges, Deal Accounting tab	View the accounting associated with your hedging relationship.
Hedged Item	HDG_HEDGED_ITEM	Risk Management, Analyze Hedge, Hedges, Hedged Item tab	Set up the exposure that you will hedge.
Hedge Transaction Details	HDG_ITEM_FVRAL_DTL	Click the Details link on the Hedged Item page.	Capture higher resolution data about your hedge.
Item Accounting	HDG_HEDGED_ITEM_AC	Risk Management, Analyze Hedge, Hedges, Item Accounting tab	Set up accounting and effectiveness testing of your hedge

Automatically Importing Hedge Information

Access the Other Hedgeable Items page.

Other Hedgeable Items

Unit: US001 **Hedged Item ID:** NEXT **Status:** Active

***Description:** MOUNTBLANC **Risk Type:**

Details:

***Type:** Net Investment in a Foreign Op **Status:** Net Investment in a Foreign Op

Financial Type: Financial Item ☐ Foreign Currency Denominated

Period Start: 06/02/2003 **Period End:** 06/02/2004 ***Review Date:** 10/21/2003

Amount: 550000.00 **Currency:** BEF **Quantity:** 500.0000 **Unit of Measure:**

Other Hedgeable Items page

Select the type of item whose risk exposure you want to minimize, and select the status:

Type	Status	Conditions
<i>Forecasted Transaction</i>	<i>Firm Commitment or Asset / Liab (asset / liability)</i> <i>Forecasted Transaction</i> <i>No Longer Probable</i> <i>Probably Will Not Occur</i>	If the type is a <i>Forecasted Transaction</i> , enter earnings information in the available grid.
<i>Net Investment in a Foreign Op (net investment in a foreign operation)</i>	<i>Cancelled</i> <i>Net Investment in a Foreign Op</i>	
<i>Recognized Asset or Liability</i>	<i>Recognized Asset or Liability</i> <i>Sold or Bought or Written Off</i>	
<i>Unrecognized Firm Commitment</i>	<i>Cancelled</i> <i>Recognized Asset or Liability</i> <i>Unrecognized Firm Commitment</i>	

Note. Fields and available status values change depending on the value you select in the Type field.

Risk Type	Select a type of risk for the hedged item.
Financial Type	Select <i>Financial Item</i> or <i>Non-financial Item</i> . If the risk to be hedged is financial, enter its Amount and its currency (in the field next to the Amount field). If the risk is non-financial, enter its Quantity, and select the appropriate Unit of Measure.
Foreign Currency Denominated	Select if the hedge is in a foreign currency, and select the appropriate value in the CurrencyCurrency field.
Period Start and Period End	Select the active period start and end dates for the hedge.
Review Date	Select the final review date for the hedge.
Final Earnings Effect	Select to include the effect of the specified amount and percentage on hedge final earnings.

Entering Hedge Designation Information

Access the Hedge Designation page.

Hedge Designation		Hedging Instrument		Deal Accounting		Hedged Item		Item Accounting		Hedge Maintenance	
Unit:	US001		Hedge ID:	CASE5							
*Description:	Interest rate swap to offset debt					Status:	Active				
Hedge Type:	FAS 133 Hedge										
*Hedge Relationship:	Cash Flow Hedge					*Hedge Strategy:	CASHFLOW				
Effective Assessment Methods						Risk Being Hedged					
Retrospective Evaluations:	Assume No Ineffectiveness					☐ Changes in Overall Fair Value					
Prospective Considerations:	Assume No Ineffectiveness					☒ Interest Rate Risk					
Ineffectiveness Method:	Assume No Ineffectiveness					☐ Foreign Exchange Risk					
	☒ Shortcut Method for IRS Hedge					☐ Credit Risk					
*Risk Offset:	Symmetrical Offset					☐ Other Risk Name: Comments					
*Inception Date:	01/01/2003		Entered By:	SAMPLE							
Discontinued Date:			Discontinued By:								
Discontinue		Discontinue Reason		Event Log		Document Sequencing					

Hedge Designation page

Note. The page display changes depending on the Hedge Type.

Hedge Type

This field is a read-only. The hedge type is selected at the business unit level on the Treasury Options page.

Designates a hedge as either an *IAS 39 Hedge*, *Economic/Other Hedge*, a *FAS 133 Hedge*, or a *FAS 52 Hedge*. From the drop-down list box next to the right-hand Hedge Type field, you can further define your hedge using any of the following:

Cash Flow Hedge: Hedge of exposure to cash flow variability from a particular risk (§ 18(c)).

Fair Value: Hedge of exposure to changes in the fair value of an asset, liability, unrecognized firm commitment, or identified portion thereof from a particular risk (§ 18(b)).

FX Cash Flow: Hedge of exposure to cash flow variability from changes in foreign currency exchange rates (§ 18(d)(3)).

FX FV of Available for Sale Security: Hedge of the change in the fair value of an available-for-sale debt security (or a specific portion) from changes in foreign currency exchange rates.

You can hedge available-for-sale equity securities if changes in fair value come from changes in foreign currency under the following conditions. You have not traded the security on an exchange (or another established marketplace) where trades are denominated in your functional currency. Dividends, or other cash flows, to the security's holders are denominated in the same foreign currency that you expect to receive when you sell the security (§ 18(d)(3)).

FX FV of Firm Commitment: Hedge of a foreign currency exposure to variability in the functional-currency-equivalent cash flows from foreign-currency-denominated forecasted transactions and foreign-currency-denominated intercompany transactions (§ 18(d)(2)).

FX Hedge of Net Investment: Hedge of foreign currency exposure to your net investment in a foreign operation, which is viewed for accounting purposes, as a single asset versus several single individual assets and liabilities that make up a subsidiary's balance sheet (§ 18(d)(4)).

Hedge Relationship

Select descriptors of your various risk management strategies and practices (§ 44). It is up to you to determine a reasonable, shorthand description that parties outside your organization can correlate to your actual complex activities. It is a good idea to obtain validation from your company's auditors. To complete the disclosure requirements in § 44, Risk Management provides a 1,000-character, free-form field so that you can capture context-sensitive issues underlying your hedging activities.

Hedge Strategy

Select a hedge strategy based on the type of risk being hedged. Doing so enables the default parameters that were entered on the Hedge Strategy page for the specified hedge strategy.

Effective Assessment Methods

Retrospective Evaluations, Prospective Considerations, and Ineffectiveness Method

Effectiveness tests are means for an organization, its stakeholders, and external auditors to evaluate whether risk management strategies are on track, whether hedges are working or are likely to work as planned, and thus are within bounds for special accounting.

When you set up a transaction and its correspondent hedged deal, link the two and document them for FAS 133. You must also define and document tests of methodologies to assess hedge effectiveness. (§ 62.)

Effectiveness assessment methods are dictated by §§ 65 and 68-70. They are Retrospective Evaluations, Prospective Considerations, and Ineffectiveness Method. Select one of the following values for each of the fields:

Assume No Ineffectiveness: Select this value (§§ 65, 68-70) if you are using the Shortcut Method for IRS Hedge. FAS 133's § 68 permits the Shortcut Method for an IRS Hedge. You can use this method of effectiveness assessment only on interest rate swaps.

If you selected *Assume No Ineffectiveness* in the Ineffectiveness Assessment field, and the hedge is an interest-bearing financial instrument with an interest rate swap (§§ 68-70, 114, 132), then you can select the Shortcut Method for IRS Hedge check box to compute § 22(b) or § 30(b) amounts.

Correlation – Regression: This is a statistical correlation test between some attribute of the hedging deals compared to that attribute of the hedged items.

Cumulative Offset: Compares the cumulative changes in fair value of the hedging deal with the cumulative changes in fair value of the hedged item. In each period in which this comparison is made, the two amounts must match within a tolerance of 80 percent to 125 percent.

Note. In addition, when you perform the periodic assessment of effectiveness, you must do more than just run the Assessment reports or process (such as the Hedge Effectiveness report and the Regression test). You should also reassess your expectation that the hedge will continue to be highly effective. This would involve reexamining all appropriate factors, including those described in DIG issue G10.

Your accounting procedures must meet extensive criteria to qualify for the Shortcut Method, which is also known as Assuming No Ineffectiveness with an Interest Rate Swap. Refer directly to ¶ 68 of FAS 133 to ensure that your scenario qualifies for this accounting treatment of hedging.

Assume No Effectiveness does not imply that there will be no periodic assessment of effectiveness. According to DIG G9 - Cash Flow Hedges: Assuming No Ineffectiveness When Critical Terms of Hedging Instruments and Hedged Transaction Match in a Cash Flow Hedge, www.rutgers.edu/Accounting/raw/fasb/derivatives/issueg9.html, “An entity is still required to perform and document an assessment of hedge effectiveness at the inception of the hedging relationship and on an ongoing basis throughout the hedge period.”

Risk Offset

Select *One-sided Offset Against Gains*, *Onesided Offset Against Losses*, or *Symmetrical Offset*. ¶ 20(b) and ¶ 28(b) discuss how to assess effectiveness when the hedging instrument provides only a one-sided offset against changes of the hedged item (such as when an option is used).

Inception Date

Displays the current date until you save the page. You record the entity that is creating the hedged relationship—at the data entry level—using the logon user ID. PeopleSoft Workflow can also address your organization’s management authorization process, providing further audit trails.

Discontinued Date

Use to record the actual date that a hedged relationship terminates (¶s 25 and 32). The system completes this field as you undesignate the hedge later in the hedging process. If you terminate a hedged relationship and you have sufficient reason to resume the same course with the exact variables, you must create a new hedge relationship. That is, you must create a hedge for accounting purposes that is different from the one that began and ended earlier. This requirement to create a new hedge can also apply to the maturity of a derivative contract.

Note. Once a hedged relationship terminates, it cannot be revived.

Risk Being Hedged

Per ¶ 21(a-f), you can hedge only the four risks listed:

Changes in Overall Fair Value

Select to hedge non-financial risks, such as commodities. Selecting this check box automatically clears any other hedged risk options selected.

Interest Rate Risk

Select to hedge risk of instability in interest rates.

Foreign Currency Exchange Risk

Select to hedge risk of fluctuation of foreign currency exchange rates.

Credit Risk

Select to hedge risk of credit variability.

Other and Risk Name

Select the Other field and enter a name to designate another type of risk investment to be hedged.

Comments

Click to access the Details page to record details of the hedged risk entered in the Risk Name field.

Entering Hedging Instrument Information

Access the Hedging Instrument page.

The screenshot shows the 'Hedging Instrument' page. At the top, there are tabs: 'Hedge Designation', 'Hedging Instrument' (active), 'Deal Accounting', 'Hedged Item', 'Item Accounting', and 'Hedge Maintenance'. Below the tabs, the 'Unit' is 'US001' and the 'Hedge ID' is 'CASE5'. A section titled 'Hedged Transaction Details' contains fields for '*Sequence:' (1), 'Deal Business Unit:' (US001), 'Deal ID:' (CASE5A), '*Proportion Designated as Hedge:' (100.000 %), 'Calculate Included Part With' (GENERIC), and 'Analytics Mode:'. Below this is a section titled 'Assessing Hedge Effectiveness' with two radio buttons: 'Include All Gains or Losses' and 'Exclude Time Value' (selected). At the bottom, there are fields for '*Added to Hedge:' (01/01/2003) and 'Removed from Hedge:', both with a '31' icon, and a 'Remove' button.

Hedging Instrument page

Sequence

Displays the default sequence number of *I*. Per ¶ 18, you can have multiple deals designated as the hedging instrument. Enter the Deal Business Unit and Deal ID, which create the link to the protected deal.

Proportion Designated as Hedge

Given the difference in financial values that deals can have, use this field to define that only a certain percentage of the hedging deal actually be used for hedge purposes.

Note. FAS 133's ¶ 18 requires that you document that you will use only a portion or percentage of a deal for hedging purposes. It states that either all or a proportion of a derivative may be designated as the hedging instrument. The proportion must be expressed as a percentage of the entire derivative so that the profile of risk exposures in the hedging portion of the derivative is the same as that in the entire derivative. (Thus, an entity is prohibited from separating a compound derivative into any such component as the hedging instrument, except as permitted at the date of initial application by the transition provisions in ¶ 49.)

Assessing Hedge Effectiveness

Define aspects of how the hedge will be evaluated.

Include All Gains or Losses Select to assess the effectiveness of all fair value changes (¶ 63).

Exclude Time Value Select to calculate changes in fair value where effectiveness is evaluated on a cumulative basis.

Analytics Mode Select third-party analytics to calculate the part of your hedge used to assess hedge effectiveness.

Added to Hedge Displays the current date as the default, which becomes part of the audit trail when the page is saved. The operator's login user ID appears alongside the Added to Hedge field in the view-only By field.

Removed from Hedge

Enter the date the hedging relationship terminates, or the system will automatically enter the maturation date of the hedged deal as that date passes in time. (See ¶s 25 and 32.)

Entering Deal Accounting Information

Access the Deal Accounting page.

Hedge Designation
Hedging Instrument
Deal Accounting
Hedged Item
Item Accounting
Hedge Maintenance

Unit: US001
Hedge ID: CASE5

Changes in Fair Value
Find | View All
First 1 of 1 Last

Sequence: 1

Initial Fair Value:
Currency:
0.00 USD
☒ Use Zero
Calculate
Initial Included: 0.00

As of Date:
New Value
05/18/2005
☐ Use Values
Fair Value: 0.00
Fair Value Adjustment: 0.00
Included Component: 0.00

Fair Value History
Customize | Find | View All
First 1-2 of 2 Last

As of Date	Fair Value	Fair Value Included Component	Fair Value Adjustment	Proportion	Change in Fair Value	Change in Included Component
06/30/2003	-75,000.00	-75,000.00	0.00	100.000	25,000.00	25,000.00
06/29/2003	-100,000.00	-100,000.00	0.00	100.000	-100,000.00	-100,000.00

Deal Accounting page

Initial Fair Value

Enter the initial market to market value amount of the deal, which can be a positive or negative number.

Calculate

Click to recalculate a new fair value and add a new line to the Fair Value History grid. The Calculate button appears only if the Exclude Time Value checkbox is selected on the Hedging Instrument page.

Use Values

Select this check box to use specified values in the Fair Value and Fair Value Adjustment fields for calculation, instead of calculated values from Risk Analytics.

Entering Hedged Item Information

Access the Hedged Item page.

Hedge Designation	Hedging Instrument	Deal Accounting	Hedged Item	Item Accounting	Hedge Maintenance
Unit: US001		Hedge ID: CASE5			
Hedged Item Details Find View All First 1 of 1 Last					
*Sequence:	1	Hedged Item Source:	Treasury Deal		
		Financial Type:	Financial Item		
Hedged Item / Transaction					
*Portion:	All	Details			
Deal Business Unit:	US001				
Deal ID:	CASE5	FRN			
*Added to Hedge:	01/01/2003	Added By:	SAMPLE		
Removed from Hedge:		Removed By:	Remove		

Hedged Item page

Hedged Item Source Select *Treasury Deal* (a deal resident in the PeopleSoft system) or *Other Hedgeable Item* to indicate what you are hedging.

Financial Type You can set up the hedged deal as a *Financial Item* or a *Nonfinancial Item*.

Note. The page changes depending on the financial type that you selected.

Hedged Item/Transaction

Portion Select what portion or percentage of your hedged item or transaction will be used in the hedging relationship:

All: Use the entire hedged item or transaction.

Embedded Option/Cap/Floor: Enables you to handle embedded derivatives that do not require separate accounting, for example if the deal can pass a portability test (§s 21(a) to 22(c)).

Percentage: Select to enable the Percentage field so that you can specify the exact percentage that you will use.

Residual Value in Lease: Available only for fair value hedges.

Selected Cash Flows: Available only for cash flow hedges.

Exposure Business Unit Select the business unit for the exposure.

Added to Hedge or Removed from Hedge Enter the effective date for the fields.

Remove Click if you are removing the item from the hedge.

Entering Hedged Transaction Details

Access the Hedged Transaction Details page.

Hedged Transaction Details

Expected to Occur Period Start: 

Expected to Occur Period End: 

Expected Cash Flows: 

Expected Currency Amount:

Currency of the Hedged Item: 

Face Value:

Face Value Currency: 

Hedged Transaction Details:

5 Years to 2007-12-31 Debt USD 5.0m. @ LIBOR

Hedged Transaction Details page

You can capture hedge information and add the level of detail necessary for your internal monitoring of deals. For example, if you hedge commodities, you will have commodity values available from a PeopleSoft table, such as Crude Oil. The Hedged Transaction Details page enables you to record grades of crude oil, the regions they are from, or other distinguishing traits.

Available fields depend on the hedge type that you specify.

Hedge Type	Available Page Fields
<i>Cash Flow</i>	Expected to Occur Period Start, Expected to Occur Period End, Expected Cash Flows, Expected Currency Amount, and Quantity
<i>Foreign Exchange</i>	Exchange Period Start, Exchange Period End, Purchase, Sale, Fixed Price, or Face Value
<i>Fair Value</i>	Hedged Item End Date, AssetLiability, or Face Value

Note. In the context of FAS 133's language, the free-form text field enables you to explain your hedging with "sufficient specificity." This can include references to the Purchase Order numbers that you hedge or other details that your risk managers and auditors consider relevant for meeting the intent of FAS 133.

Entering Item Accounting Information

Access the Item Accounting page.

Hedge Designation	Hedging Instrument	Deal Accounting	Hedged Item	Item Accounting	Hedge Maintenance
Unit: US001 Hedge ID: CASE5					
For Hedged Item Find View All First 1 of 1 Last					
Sequence: 1 Hedged Item Source: Treasury Deal + -					
Changes in Expected Future Cash Flows Attributable to Risk					
Initial Future Cash Flows Attributable to Hedged Risk: 0.00		Current FV Currency: USD ☒ Use Zero		Calculate Mode:	
As of Date: New Value 05/18/2005 ☐ Use Values		Future Cash Flows: 0.00		Current FV Currency: USD Cash Flow Adjustment: 0.00	
Fair Value History Customize Find View All First 1 of 1 Last					
As of Date	Future Cash Flows	Cash Flow Adjustment	Percentage	Change in Future Cash Flows	
06/30/2003	25,000.00	0.00	100.000	25,000.00	

Item Accounting page

Note. Available fields depend on the hedge type selected at the business unit level.

Hedge Type	Page Fields	Description
Cash Flow Hedges	Initial Future Cash Flow Attributable to Hedged Risk	The fair value (mark to market) of a treasury deal, or the fair value or cash flows of a hedged item.
Cash Flow Hedges	Fair Value Adjustment	The (cumulative) adjustment amount excluded from the calculation of the change in fair value of a deal or hedged item. Corresponds to amortized cost for investments and to ¶ 19 adjustments for a hedged item.
Fair Value	Amortize Carrying Amount Adjustment	Select this check box if the adjustments of the carrying amount of the hedged item should be amortized to earnings (¶ 24).
Fair Value	Amortization Period Begin/End	Define date parameters for the amortization period calculation.

As of Date The fair value calculation is based on this date.

Fair Value The value of the deal on the As of Date.

Maintaining Hedges

This section discuss how to:

- Remove and adjust hedges.
- Process hedge AOCI.

Pages Used to Maintain Hedges

Page Name	Object Name	Navigation	Usage
Hedge Maintenance	HDG_WRKFLW	Risk Management, Analyze Hedges, Hedges, Hedge Maintenance tab	Dedesignate the hedge relationship or remove the hedged deal from the hedge, or adjust AOCI.
AOCI AE Run Control	HDG_AOCI_RUN_CNTL	Risk Management, Analyze Hedges, Hedge AOCI Adjustment	Run the Adjust Hedge AOCI Application Engine process (HDG_AOCI_ADJ) to perform AOCI adjustments on your hedges.
Hedge Effectiveness	HDG_CUM_OFST_INQRY	Risk Management, Analyze Hedges, Hedge Effectiveness	Search and review cumulative offset information for specified hedges.
Hedge Summary	HDG_SUMMARY	Risk Management, Analyze Hedges, Hedge Summary	View online report of summarized hedge information a specific hedge.

Removing and Adjusting Hedges

Access the Hedge Maintenance page.

Hedge Designation	Hedging Instrument	Deal Accounting	Hedged Item	Item Accounting	Hedge Maintenance
Unit: US001	Hedge ID: CASE5	As of Date: 05/18/2005	Process		
☐ Discontinue or Dedesignate Entire Hedge					
For Hedging Deal Find View All First 1 of 1 Last					
Sequence: 1		☐ Remove Hedging Deal from Hedge			
For Hedged Item Find View All First 1 of 1 Last					
Sequence: 1		☐ Remove Hedged Item from Hedge			
☐ Will Not Occur -AOCI Reclassify		Hedged Forecasted Transaction Affects Earnings			
		☐ Reclassify AOCI	Reclassify Amount:		
		☐ Final Earnings Effect	Current AOCI Balance:		

Hedge Maintenance page

AOCI is an account balance associated with the hedged transaction. It represents derivative (hedge deal) gains or losses that have been set aside from earnings and parked in the AOCI account instead. In essence, ¶ 30(b) says, "Set aside derivative gains or losses, but don't set aside too much." ¶ 30(b) addresses recognizing that you have set aside too much and puts the excess into an earnings account.

For Hedged Item

The fields available change, depending on the FAS 133 Hedge Type that you selected on the Hedge Designation page.

Hedge Type	Page Fields	Description
All hedge types.	Remove Hedged Item from Hedge	Remove hedged item from the hedge. By itself, making this selection does not terminate the hedge. Note. This check box appears for all hedge types.
Cash Flow Hedge FX Cash Flow Hedge	Reclassify AOCI	Select the Reclassify AOCI check box when reclassifying the adjusted other comprehensive income from cash flow hedges, and enter the Reclassify Amount. Or select the Will Not Occur AOCI Reclassify check box.
Cash Flow Hedge FX Cash Flow Hedge	Final Earnings Effect	Select to include the effect of the specified Amount and Percentage on hedge final earnings.
Cash Flow Hedge FX Cash Flow Hedge	Current AOCI Balance	Displays the current AOCI balance for the hedge.
FX FV of Available-for-Sale FX FV of Firm Commitment Fair Value Hedge	Amortize Carrying Amount Adj (amortize carrying amount adjustment)	Select this check box if the adjustments of the carrying amount of the hedged item should be amortized to earnings. (¶ 24) Also enter the Amortization Period Begin Date and End Date.

Setting Up Hedge Groups

To define hedge groups, use the Hedge Group Definition component (HDG_COLLECTION_HDG_GBL).

This section discuss how to:

- Define hedge groups.

- Add to a hedge group definition.

Pages Used to Set Up Hedge Groups

Page Name	Object Name	Navigation	Usage
Define Hedge Groups	HDG_COLLCTN_HDG	Risk Management, Administer Risk, Define Hedge Groups	Set up hedge group definition.
Add to Hedge Groups	HDG_COLL_FAV_A	Click the Add to Hedge Group button on the Define Hedge Groups page.	Search and add individual hedge items to a hedge group.

Defining Hedge Groups

Access the Define Hedge Groups page.

Add to Hedge Group Click to search and add individual hedge items to this hedge group. Your selected hedge items, added to the hedge group definition, appear in the Hedge Details group box.

Adding to a Hedge Group Definition

Access the Add to Hedge Groups page.

Use the upper portion of the page to search for hedge items. All matching results appear in the lower portion of the page. Select a hedge item check box and click the Update button to add the hedge item to the hedge group.

Managing Hedge Groups

After creating hedge items and setting up hedge group definitions, you can aggregate them into collections and maintain them from a central location.

This section lists common elements and discuss how to:

- Manage your hedge groups.
- Update your hedge groups.
- Manage items in a hedge group.

Common Elements in This Section

Inception Date Displays the active date of the hedge item.

Retrospective Evaluations Displays the retrospective evaluation value for the hedge item.

Pages Used to Define and Manage Hedge Groups

Page Name	Object Name	Navigation	Usage
My Hedge Groups	HDG_COLLECTION_FAV	Risk Management, Administer Risk, My Hedge Groups	Aggregate and maintain your hedge groups from a central location.
Update My Hedge Groups	HDG_COLLCTN_FAV_A	Click the Update My Hedge Groups link on the My Hedge Groups page.	Add or clear hedge groups from the My Hedge Groups page.
Hedge Group Manager	HDG_COLLECTION_DTL	Risk Management, Analyze Hedge, Hedge Group Manager	Review and maintain hedge items for a selected hedge group.

Managing Your Hedge Groups

Access the My Hedge Groups page.

Update My Hedge Groups Use to add existing hedge groups (assigned to you) to this page.

Create a New Group Add a new hedge group on the Hedge Group Definition page.

Search for a Hedge Group Search for a hedge group using the Hedge Manager.

Updating Your Hedge Groups

Access the My Hedge Groups - Update page.

Update Select the check box of a hedge group and then click the Update button. The selected hedge group appears on the My Hedge Groups page. To clear a hedge group from the My Hedge Groups page, clear the respective check box and click Update.

Managing Items in a Hedge Group

Access the Hedge Manager page.

Hedge Group Access the Hedge Group Definition page for the specified hedge group.

Hedge IDs Navigate to data about a particular hedge item.

Add a Hedge Add another hedge item to this group.

CHAPTER 6

Managing Position Limits

This chapter provides an overview of position limits and exposure positions and discusses how to:

- Check position limits.
- Process limit notifications.
- Set respondents for limit notifications.
- Define limit notification exclusions.

Understanding Position Limits and Exposure Positions

This section discusses:

- Prerequisites.
- Positions limits and exposure positions.

Prerequisites

Before you can track and monitor your positions, you must define limit checking controls to manage your exposures on the Tree Manager - Position Limits page.

See Also

PeopleSoft Enterprise Cash Management 9.0 PeopleBook, “Defining Cash Positions,” Defining Position Limits

Position Limits and Exposure Positions

Risk Management works with your organization to manage the positions on the books and exposures related to them. PeopleSoft enables internal control procedures for checking position limits while providing you with a tool to define each person’s area of accountability regarding limit violation reviews. You can monitor your exposures, check your limits, and notify the appropriate person of limit violations.

In Risk Management, an exposure is the amount of risk associated to a position from variables such as interest rates or currency exchange rates. Fluctuations in these rate types or in foreign markets can increase or decrease the amount of risk/exposure for a position. You can determine exposures from across the enterprise, and by establishing limits, you can link operational controls and risk management policies and procedures with day to day treasury operations.

PeopleSoft is flexible enough to manage any kind of exposure, including:

- Currency exposure.
- Interest-rate exposure.

- Counterparty risk.
- Country risk.
- Individual dealer positions.
- Specific instrument limits.
- Specific business unit limits.

Checking Position Limits

You can check position limits for specified trees and tree nodes on an ad hoc basis.

Page Used to Check Position Limits

Page Name	Object Name	Navigation	Usage
Ad-hoc Limit Check	POS_ADHOC_LIMITS	Risk Management, Position Limits, Check Position Limits Click the Check Limit button on the Check Position Limits page.	Verify limits on an ad hoc basis.

Checking Position Limits

Access the Ad-hoc Limit Check page.

Check Limit	Select the setID, tree name, and (optionally) the tree node for which you want to process a limit check. Then click the Check Limit button. If you do not select a tree node, the entire tree is selected.
Tree Name	Displays the tree name specified in the Tree Name edit box.
Tree Node	Displays the tree node, if specified in the Tree Node edit box.
Utilization	Displays the amount of the position limit used.
Limit Min (limit minimum)	Displays the minimum amount for this position limit.
Limit Max (limit maximum)	Displays the maximum amount for this position limit.
Internal/External	Displays the internal or external genesis of the position limit. Management or the board of directors typically define internal limits and the counterparty designates external limits.

Processing Limit Notifications

You run the Limit Notification (TR_POS_NOTFY) to check if deals have exceed established limits. If so, the system sends emails and worklist messages to defined users.

See Also

PeopleSoft Enterprise Cash Management 9.0 PeopleBook, “Defining Cash Positions,” Defining Position Limits

PeopleSoft Enterprise Deal Management 9.0 PeopleBook, “Delivered Workflows for Deal Management”

Page Used to Process Limit Notifications

Page Name	Object Name	Navigation	Usage
Limit Notification	TR_AE_RUNCNTL	Risk Management, Position Limits, Limit Notification	Run the Limit Notification process to run position limit check processing requests.

Processing Limit Notifications

Access the Limit Notification page.

State Record

Bind Variable Name or Value are not necessary for the POS_NOTIFY_AET state record. The Limit Notification process includes this information.

Setting Respondents for Limit Notifications

Indicate users who have responded to notifications regarding position limits.

Page Used to Set Respondents for Limit Notifications

Page Name	Object Name	Navigation	Usage
Review Limit Notification	POS_NOTIFY	Risk Management, Position Limits, Review Limit Notification	Specify users who have responded to limit notifications.

Setting Respondents for Limit Notifications

Access the Limit Notification page.

Responded

Select who has responded to limit notifications.

Defining Limit Notification Exclusions

You can exclude certain user IDs from receiving position limit notification.

Page Used to Define Limit Notification Exclusions

Page Name	Object Name	Navigation	Usage
Exclude from Limit Notification	POS_LMT_NFY_NOT	Risk Management, Position Limits, Exclude frm Limit Notification	For a specific tree and tree node, define who should not be notified regarding limits.

Defining Limit Notification Exclusions

Access the Exclude from Limit Notify page.

Select Do Not Notify for each role name that you do not want notified of issues with limits. Automatic Workflow notifications to that role name are then disabled.

See Also

PeopleSoft Enterprise Cash Management 9.0 PeopleBook, “Defining Cash Management Processing Options,”
Defining Treasury Business Unit Options

CHAPTER 7

Reevaluating Deals

This chapter provides an overview of reevaluating deals, provides the prerequisite tasks, and discusses how to:

- Process portfolio reevaluation.
- Process security mark-to-market.

Understanding Reevaluating Deals

Market factors create exposures for your PeopleSoft deal transactions. To evaluate the risks associated with these exposures requires the use of complex analytical models to value these deals and obtain analytic sensitivities used to analyze the deals. Risk Management enables you to revalue positions periodically; ensuring you base the portfolio's value on current market rates or the price of the underlying.

Prerequisites

You must define analytic structures and analytic parameters, set up your third party vendor information, define function parameters, and specify file export parameters before you can start revaluing your positions.

Before you reevaluate deals, perform the following tasks:

1. Create deals.
2. Analyze and calculate risk.
3. Group deals and hedges into portfolios.

See Also

PeopleSoft Enterprise Deal Management 9.0 PeopleBook, “Capturing Deals and Trade Tickets”

[Chapter 4, “Analyzing Risk,” page 39](#)

[Chapter 5, “Creating and Maintaining Hedges,” page 45](#)

Common Elements in this Chapter

Function Usage

Select from the following:

Delta: Describes an option premium's sensitivity to changes in the price of the underlying. It is the amount of the underlying necessary to hedge small changes in the option price for small movements in the underlying.

MTM (Mark-to-Market): Calculates the value of the financial instrument based on the current market price of the underlying.

MTM-A (Mark-to-Market Accounting): Calculates the clean value of the financial instrument based on the current market price of the underlying for accounting purposes. This value does not contain any accrued interest.

Analytics Mode

Limit the analysis by specifying an analytics mode from the available values. Available values are limited by your implementation configuration.

Portfolio

Select the portfolio to process.

Reevaluating Deals Analytics

This section describes how to define the parameters for deal analysis.

Page Used to Define Deal Analytics

Page Name	Object Name	Navigation	Usage
Deal Analytics	MTM_DEALVAL_PNL	Risk Management, Reevaluate Deals, Deal Analytics	Override the analysis results by manually entering values. View a history of values that were created during the lifetime of the deal. See Chapter 2, “Defining Risk Management Processing Options,” Defining Deal Analytic Functions, page 23 .
Deal Risk Measures	MTM_DEAL_RSK_SEC	Click the Risk Measures link on the Deal Analytics page.	View the various types risk metrics for the deal.

Processing Portfolio Revaluation

Run the Mark-to-Market Batch application engine process (TR_PORT_MTM) on your portfolios to revalue and automatically update their current market value.

Pages Used to Process Portfolio Revaluation

Page Name	Object Name	Navigation	Usage
Portfolio Revaluation	MTM_RUN_CNTL_PNL	Risk Management, Reevaluate Deals, Portfolio Revaluation	Run the Portfolio Revaluation batch process to run analytic calculations on your portfolios and revalue their current market value.

APPENDIX A

Risk Management - Configuring Batch Processes

This appendix discusses how to configure temporary tables for batch processing.

Configuring Temporary Tables for Batch Processing

When you run batch processes in parallel, you risk data contention and deadlocks on temporary tables. To avoid this, PeopleTools enables you to dedicate specific instances of temporary tables for each process. When PeopleSoft application engine manages a dedicated temporary table instance, it controls the locking of the table before use and the unlocking of the table after use.

When you decide how many temporary table instances to dedicate for a process, consider the number of temporary tables that the process uses. More instances result in more copies of the temporary tables on the system. For example, if a process uses 25 temporary tables and you have 10 instances for a process, you will have 250 temporary tables on the system.

If you run processes in parallel and all of the dedicated temporary table instances are in use, the performance of the process decreases. You need to find a balance that works for your organization.

Note. When you specify the number of instances, PeopleSoft Application Designer displays a list of the temporary tables for the process. Use the list to determine how many temporary tables each process uses.

Specify how many temporary table instances to dedicate for the following batch process that can run in parallel in Risk Management: Adjust Hedge AOCI {Accumulated Other Comprehensive Income (HDG_AOCI_ADJ)}.

The PeopleTools documentation discusses the usage of temporary tables in detail and describes how to specify the number of instances.

If you run any of the General Ledger COBOL processes, also configure the temporary tables for those processes. The *PeopleSoft Enterprise General Ledger 9.0 PeopleBook* discusses how to do this in detail.

See Also

PeopleSoft Enterprise General Ledger 9.0 PeopleBook, “Optimizing General Ledger Performance”

Enterprise PeopleTools 8.48 PeopleBook: PeopleSoft Application Engine

APPENDIX B

Risk Management Reports

This appendix provides an overview of Risk Management reports and enables you to view a summary table of all reports.

Note. For samples of these reports, see the Portable Document Format (PDF) fields that are published on CD-ROM with your documentation.

See Also

Enterprise PeopleTools 8.48 PeopleBook: PeopleSoft Process Scheduler

Risk Management Reports: A to Z

This table lists the Risk Management reports, sorted alphanumerically by report ID. The reports listed are all Crystal reports. If you need more information about a report, click the link to navigate to information about the process where the report is used.

Report ID and Report Name	Description	Navigation	Run Control Page
TRC3015 Mark to Market	Lists mark-to-market information for transactions for a specified business unit and all defined currencies of the business unit for a specific date range. (Crystal)	Risk Management, Reports, Mark to Market	RUN_TRC3015
TRC4030 Stale Hedges	Generate a report listing all stale hedges.	Risk Management, Reports, Stale Hedges	RUN_TRC4030
TRC4031 Hedges	Provides a listing of all hedge activities for a specified business unit. (Crystal) Report can be filtered by hedge status, type, and relationship.	Risk Management, Reports, Hedges	RUN_TRC4031
TRC4032 Hedge Assessment Tickler	Generate a report of hedges that need an assessment.	Risk Management, Reports, Hedge Assessment Tickler	RUN_TRC4032
TRC4110 Hedge Summary	Provides a summary of all hedged risk for single hedge or all hedges of a specified business unit. (Crystal)	Risk Management, Reports, Hedge Report	RUN_TRC4110

Glossary of PeopleSoft Enterprise Terms

absence entitlement	This element defines rules for granting paid time off for valid absences, such as sick time, vacation, and maternity leave. An absence entitlement element defines the entitlement amount, frequency, and entitlement period.
absence take	This element defines the conditions that must be met before a payee is entitled to take paid time off.
academic career	In PeopleSoft Enterprise Campus Solutions, all course work that a student undertakes at an academic institution and that is grouped in a single student record. For example, a university that has an undergraduate school, a graduate school, and various professional schools might define several academic careers—an undergraduate career, a graduate career, and separate careers for each professional school (law school, medical school, dental school, and so on).
academic institution	In PeopleSoft Enterprise Campus Solutions, an entity (such as a university or college) that is independent of other similar entities and that has its own set of rules and business processes.
academic organization	In PeopleSoft Enterprise Campus Solutions, an entity that is part of the administrative structure within an academic institution. At the lowest level, an academic organization might be an academic department. At the highest level, an academic organization can represent a division.
academic plan	In PeopleSoft Enterprise Campus Solutions, an area of study—such as a major, minor, or specialization—that exists within an academic program or academic career.
academic program	In PeopleSoft Enterprise Campus Solutions, the entity to which a student applies and is admitted and from which the student graduates.
accounting class	In PeopleSoft Enterprise Performance Management, the accounting class defines how a resource is treated for generally accepted accounting practices. The Inventory class indicates whether a resource becomes part of a balance sheet account, such as inventory or fixed assets, while the Non-inventory class indicates that the resource is treated as an expense of the period during which it occurs.
accounting date	The accounting date indicates when a transaction is recognized, as opposed to the date the transaction actually occurred. The accounting date and transaction date can be the same. The accounting date determines the period in the general ledger to which the transaction is to be posted. You can only select an accounting date that falls within an open period in the ledger to which you are posting. The accounting date for an item is normally the invoice date.
accounting split	The accounting split method indicates how expenses are allocated or divided among one or more sets of accounting ChartFields.
accumulator	You use an accumulator to store cumulative values of defined items as they are processed. You can accumulate a single value over time or multiple values over time. For example, an accumulator could consist of all voluntary deductions, or all company deductions, enabling you to accumulate amounts. It allows total flexibility for time periods and values accumulated.
action reason	The reason an employee's job or employment information is updated. The action reason is entered in two parts: a personnel action, such as a promotion, termination, or change from one pay group to another—and a reason for that action. Action reasons are used by PeopleSoft Enterprise Human Resources, PeopleSoft Enterprise Benefits

	Administration, PeopleSoft Enterprise Stock Administration, and the COBRA Administration feature of the Base Benefits business process.
action template	In PeopleSoft Enterprise Receivables, outlines a set of escalating actions that the system or user performs based on the period of time that a customer or item has been in an action plan for a specific condition.
activity	In PeopleSoft Enterprise Learning Management, an instance of a catalog item (sometimes called a class) that is available for enrollment. The activity defines such things as the costs that are associated with the offering, enrollment limits and deadlines, and waitlisting capacities. In PeopleSoft Enterprise Performance Management, the work of an organization and the aggregation of actions that are used for activity-based costing. In PeopleSoft Enterprise Project Costing, the unit of work that provides a further breakdown of projects—usually into specific tasks. In PeopleSoft Workflow, a specific transaction that you might need to perform in a business process. Because it consists of the steps that are used to perform a transaction, it is also known as a step map.
address usage	In PeopleSoft Enterprise Campus Solutions, a grouping of address types defining the order in which the address types are used. For example, you might define an address usage code to process addresses in the following order: billing address, dormitory address, home address, and then work address.
adjustment calendar	In PeopleSoft Enterprise Campus Solutions, the adjustment calendar controls how a particular charge is adjusted on a student's account when the student drops classes or withdraws from a term. The charge adjustment is based on how much time has elapsed from a predetermined date, and it is determined as a percentage of the original charge amount.
administrative function	In PeopleSoft Enterprise Campus Solutions, a particular functional area that processes checklists, communication, and comments. The administrative function identifies which variable data is added to a person's checklist or communication record when a specific checklist code, communication category, or comment is assigned to the student. This key data enables you to trace that checklist, communication, or comment back to a specific processing event in a functional area.
admit type	In PeopleSoft Enterprise Campus Solutions, a designation used to distinguish first-year applications from transfer applications.
agreement	In PeopleSoft Enterprise eSettlements, provides a way to group and specify processing options, such as payment terms, pay from a bank, and notifications by a buyer and supplier location combination.
allocation rule	In PeopleSoft Enterprise Incentive Management, an expression within compensation plans that enables the system to assign transactions to nodes and participants. During transaction allocation, the allocation engine traverses the compensation structure from the current node to the root node, checking each node for plans that contain allocation rules.
alternate account	A feature in PeopleSoft Enterprise General Ledger that enables you to create a statutory chart of accounts and enter statutory account transactions at the detail transaction level, as required for recording and reporting by some national governments.
analysis database	In PeopleSoft Enterprise Campus Solutions, database tables that store large amounts of student information that may not appear in standard report formats. The analysis database tables contain keys for all objects in a report that an application program can use to reference other student-record objects that are not contained in the printed report. For instance, the analysis database contains data on courses that are considered

	for satisfying a requirement but that are rejected. It also contains information on courses captured by global limits. An analysis database is used in PeopleSoft Enterprise Academic Advisement.
Application Messaging	PeopleSoft Application Messaging enables applications within the PeopleSoft Enterprise product family to communicate synchronously or asynchronously with other PeopleSoft Enterprise and third-party applications. An application message defines the records and fields to be published or subscribed to.
AR specialist	Abbreviation for <i>receivables specialist</i> . In PeopleSoft Enterprise Receivables, an individual in who tracks and resolves deductions and disputed items.
arbitration plan	The arbiter when multiple price rules match the transaction. This plan determines the order in which the price rules are applied to the transaction base price.
assessment rule	In PeopleSoft Enterprise Receivables, a user-defined rule that the system uses to evaluate the condition of a customer's account or of individual items to determine whether to generate a follow-up action.
asset class	An asset group used for reporting purposes. It can be used in conjunction with the asset category to refine asset classification.
attribute/value pair	In PeopleSoft Enterprise Directory Interface, relates the data that makes up an entry in the directory information tree.
auction event	In PeopleSoft Strategic Sourcing, a sourcing event where bidders actively compete against one another to achieve the best price or score.
audience	In PeopleSoft Enterprise Campus Solutions, a segment of the database that relates to an initiative, or a membership organization that is based on constituent attributes rather than a dues-paying structure. Examples of audiences include the Class of '65 and Undergraduate Arts & Sciences.
authentication server	A server that is set up to verify users of the system.
base time period	In PeopleSoft Enterprise Business Planning, the lowest level time period in a calendar.
benchmark job	In PeopleSoft Enterprise Workforce Analytics Solution, a benchmark job is a job code for which there is corresponding salary survey data from published, third-party sources.
bid response	In PeopleSoft Strategic Sourcing, the response by a bidder to an event.
billing career	In PeopleSoft Enterprise Campus Solutions, the one career under which other careers are grouped for billing purposes if a student is active simultaneously in multiple careers.
bio bit or bio brief	In PeopleSoft Enterprise Campus Solutions, a report that summarizes information stored in the system about a particular constituent. You can generate standard or specialized reports.
book	In PeopleSoft Enterprise Asset Management, used for storing financial and tax information, such as costs, depreciation attributes, and retirement information on assets.
branch	A tree node that rolls up to nodes above it in the hierarchy, as defined in PeopleSoft Tree Manager.
budgetary account only	An account used by the system only and not by users; this type of account does not accept transactions. You can only budget with this account. Formerly called "system-maintained account."

budget check	In commitment control, the processing of source transactions against control budget ledgers, to see if they pass, fail, or pass with a warning.
budget control	In commitment control, budget control ensures that commitments and expenditures don't exceed budgets. It enables you to track transactions against corresponding budgets and terminate a document's cycle if the defined budget conditions are not met. For example, you can prevent a purchase order from being dispatched to a vendor if there are insufficient funds in the related budget to support it.
budget period	The interval of time (such as 12 months or 4 quarters) into which a period is divided for budgetary and reporting purposes. The ChartField allows maximum flexibility to define operational accounting time periods without restriction to only one calendar.
business activity	The name of a subset of a detailed business process. This might be a specific transaction, task, or action that you perform in a business process.
business event	In PeopleSoft Enterprise Receivables, defines the processing characteristics for the Receivable Update process for a draft activity. In PeopleSoft Enterprise Sales Incentive Management, an original business transaction or activity that may justify the creation of a PeopleSoft Enterprise Incentive Management event (a sale, for example).
business process	A standard set of 17 business processes are defined and maintained by the PeopleSoft Enterprise product families and are supported by the Business Process Engineering group. An example of a business process is Order Fulfillment, which is a business process that manages sales orders and contracts, inventory, billing, and so forth. See also <i>detailed business process</i>.
business unit constraints	In PeopleSoft Strategic Sourcing, these constraints apply to a selected Strategic Sourcing business unit. Spend is tracked across all of the events within the selected Strategic Sourcing business unit.
business task	The name of the specific function depicted in one of the business processes.
business unit	A corporation or a subset of a corporation that is independent with regard to one or more operational or accounting functions.
buyer	In PeopleSoft Enterprise eSettlements, an organization (or business unit, as opposed to an individual) that transacts with suppliers (vendors) within the system. A buyer creates payments for purchases that are made in the system.
buy event	In PeopleSoft Strategic Sourcing, for event creators, the purchase of goods or services, most typically associated with a request for quote, proposal, or reverse auction. For bidders, the sale of goods or services.
campus	In PeopleSoft Enterprise Campus Solutions, an entity that is usually associated with a distinct physical administrative unit, that belongs to a single academic institution, that uses a unique course catalog, and that produces a common transcript for students within the same academic career.
cash drawer	A repository for monies and payments taken locally.
catalog item	In PeopleSoft Enterprise Learning Management, a specific topic that a learner can study and have tracked. For example, "Introduction to Microsoft Word." A catalog item contains general information about the topic and includes a course code, description, categorization, keywords, and delivery methods. A catalog item can have one or more learning activities.
catalog map	In PeopleSoft Enterprise Catalog Management, translates values from the catalog source data to the format of the company's catalog.

catalog partner	In PeopleSoft Enterprise Catalog Management, shares responsibility with the enterprise catalog manager for maintaining catalog content.
categorization	Associates partner offerings with catalog offerings and groups them into enterprise catalog categories.
category	In PeopleSoft Enterprise Campus Solutions, a broad grouping to which specific comments or communications (contexts) are assigned. Category codes are also linked to 3C access groups so that you can assign data-entry or view-only privileges across functions.
channel	In PeopleSoft MultiChannel Framework, email, chat, voice (computer telephone integration [CTI]), or a generic event.
ChartField	A field that stores a chart of accounts, resources, and so on, depending on the PeopleSoft Enterprise application. ChartField values represent individual account numbers, department codes, and so forth.
ChartField balancing	You can require specific ChartFields to match up (balance) on the debit and the credit side of a transaction.
ChartField combination edit	The process of editing journal lines for valid ChartField combinations based on user-defined rules.
ChartKey	One or more fields that uniquely identify each row in a table. Some tables contain only one field as the key, while others require a combination.
checkbook	In PeopleSoft Enterprise Promotions Management, enables you to view financial data (such as planned, incurred, and actual amounts) that is related to funds and trade promotions.
checklist code	In PeopleSoft Enterprise Campus Solutions, a code that represents a list of planned or completed action items that can be assigned to a staff member, volunteer, or unit. Checklists enable you to view all action assignments on one page.
claimback	In the wholesale distribution industry, a contract between supplier and distributor, in which monies are paid to the distributor on the sale of specified products or product groups to targeted customers or customer groups.
class	In PeopleSoft Enterprise Campus Solutions, a specific offering of a course component within an academic term. See also <i>course</i> .
Class ChartField	A ChartField value that identifies a unique appropriation budget key when you combine it with a fund, department ID, and program code, as well as a budget period. Formerly called <i>sub-classification</i> .
clearance	In PeopleSoft Enterprise Campus Solutions, the period of time during which a constituent in PeopleSoft Enterprise Contributor Relations is approved for involvement in an initiative or an action. Clearances are used to prevent development officers from making multiple requests to a constituent during the same time period.
clone	In PeopleCode, to make a unique copy. In contrast, to <i>copy</i> may mean making a new reference to an object, so if the underlying object is changed, both the copy and the original change.
cohort	In PeopleSoft Enterprise Campus Solutions, the highest level of the three-level classification structure that you define for enrollment management. You can define a cohort level, link it to other levels, and set enrollment target numbers for it. See also <i>population</i> and <i>division</i> .

collection	To make a set of documents available for searching in Verity, you must first create at least one collection. A collection is set of directories and files that allow search application users to use the Verity search engine to quickly find and display source documents that match search criteria. A collection is a set of statistics and pointers to the source documents, stored in a proprietary format on a file server. Because a collection can only store information for a single location, PeopleTools maintains a set of collections (one per language code) for each search index object.
collection rule	In PeopleSoft Enterprise Receivables, a user-defined rule that defines actions to take for a customer based on both the amount and the number of days past due for outstanding balances.
comm key	See <i>communication key</i> .
communication key	In PeopleSoft Enterprise Campus Solutions, a single code for entering a combination of communication category, communication context, communication method, communication direction, and standard letter code. Communication keys (also called <i>comm keys</i> or <i>speed keys</i>) can be created for background processes as well as for specific users.
compensation object	In PeopleSoft Enterprise Incentive Management, a node within a compensation structure. Compensation objects are the building blocks that make up a compensation structure's hierarchical representation.
compensation structure	In PeopleSoft Enterprise Incentive Management, a hierarchical relationship of compensation objects that represents the compensation-related relationship between the objects.
component interface	A component interface is a set of application programming interfaces (APIs) that you can use to access and modify PeopleSoft Enterprise database information using a program instead of the PeopleSoft client.
condition	In PeopleSoft Enterprise Receivables, occurs when there is a change of status for a customer's account, such as reaching a credit limit or exceeding a user-defined balance due.
configuration parameter catalog	Used to configure an external system with PeopleSoft Enterprise. For example, a configuration parameter catalog might set up configuration and communication parameters for an external server.
configuration plan	In PeopleSoft Enterprise Incentive Management, configuration plans hold allocation information for common variables (not incentive rules) and are attached to a node without a participant. Configuration plans are not processed by transactions.
constituents	In PeopleSoft Enterprise Campus Solutions, friends, alumni, organizations, foundations, or other entities affiliated with the institution, and about which the institution maintains information. The constituent types delivered with PeopleSoft Enterprise Contributor Relations Solutions are based on those defined by the Council for the Advancement and Support of Education (CASE).
constraint	A business policy or rule that affects how a sourcing event is awarded. There are three types of constraints: business, global, and event.
content reference	Content references are pointers to content registered in the portal registry. These are typically either URLs or iScripts. Content references fall into three categories: target content, templates, and template pagelets.
context	In PeopleCode, determines which buffer fields can be contextually referenced and which is the current row of data on each scroll level when a PeopleCode program is running. In PeopleSoft Enterprise Campus Solutions, a specific instance of a comment or communication. One or more contexts are assigned to a category, which you link to

	3C access groups so that you can assign data-entry or view-only privileges across functions.
	In PeopleSoft Enterprise Incentive Management, a mechanism that is used to determine the scope of a processing run. PeopleSoft Enterprise Incentive Management uses three types of context: plan, period, and run-level.
control table	Stores information that controls the processing of an application. This type of processing might be consistent throughout an organization, or it might be used only by portions of the organization for more limited sharing of data.
cost plus contract line	A rate-based contract line associated with a fee component of Award, Fixed, Incentive, or Other. Rate-based contract lines associated with a fee type of None are not considered cost-plus contract lines.
cost plus pricing	In PeopleSoft Enterprise Pricer, a pricing method that begins with cost of goods as the basis.
cost profile	A combination of a receipt cost method, a cost flow, and a deplete cost method. A profile is associated with a cost book and determines how items in that book are valued, as well as how the material movement of the item is valued for the book.
cost row	A cost transaction and amount for a set of ChartFields.
counter sale	A face-to-face customer transaction where the customer typically selects items from the storefront or picks up products that they ordered ahead of time. Customers pay for the goods at the counter and take the goods with them instead of having the goods shipped from a warehouse.
course	In PeopleSoft Enterprise Campus Solutions, a course that is offered by a school and that is typically described in a course catalog. A course has a standard syllabus and credit level; however, these may be modified at the class level. Courses can contain multiple components such as lecture, discussion, and lab. See also <i>class</i> .
course share set	In PeopleSoft Enterprise Campus Solutions, a tag that defines a set of requirement groups that can share courses. Course share sets are used in PeopleSoft Enterprise Academic Advisement.
current learning	In PeopleSoft Enterprise Learning Management, a self-service repository for all of a learner's in-progress learning activities and programs.
data acquisition	In PeopleSoft Enterprise Incentive Management, the process during which raw business transactions are acquired from external source systems and fed into the operational data store (ODS).
data cube	In PeopleSoft Analytic Calculation Engine, a data cube is a container for one kind of data (such as Sales data) and works with in tandem with one or more dimensions. Dimensions and data cubes in PeopleSoft Analytic Calculation Engine are unrelated to dimensions and online analytical processing (OLAP) cubes in PeopleSoft Cube Manager.
data elements	Data elements, at their simplest level, define a subset of data and the rules by which to group them. For Workforce Analytics, data elements are rules that tell the system what measures to retrieve about your workforce groups.
dataset	A data grouping that enables role-based filtering and distribution of data. You can limit the range and quantity of data that is displayed for a user by associating dataset rules with user roles. The result of dataset rules is a set of data that is appropriate for the user's roles.

delivery method	In PeopleSoft Enterprise Learning Management, identifies the primary type of delivery method in which a particular learning activity is offered. Also provides default values for the learning activity, such as cost and language. This is primarily used to help learners search the catalog for the type of delivery from which they learn best. Because PeopleSoft Enterprise Learning Management is a blended learning system, it does not enforce the delivery method. In PeopleSoft Enterprise Supply Chain Management, identifies the method by which goods are shipped to their destinations (such as truck, air, and rail). The delivery method is specified when creating shipment schedules.
delivery method type	In PeopleSoft Enterprise Learning Management, identifies how learning activities can be delivered—for example, through online learning, classroom instruction, seminars, books, and so forth—in an organization. The type determines whether the delivery method includes scheduled components.
detailed business process	A subset of the business process. For example, the detailed business process named Determine Cash Position is a subset of the business process called Cash Management.
dimension	In PeopleSoft Analytic Calculation Engine, a dimension contains a list of one kind of data that can span various contexts, and it is a basic component of an analytic model. Within the analytic model, a dimension is attached to one or more data cubes. In PeopleSoft Cube Manager, a dimension is the most basic component of an OLAP cube and specifies the PeopleSoft metadata to be used to create the dimension's rollup structure. Dimensions and data cubes in PeopleSoft Analytic Calculation Engine are unrelated to dimensions and OLAP cubes in PeopleSoft Cube Manager.
direct receipt	Items shipped from a warehouse or vendor to another warehouse.
direct ship	Items shipped from the vendor or warehouse directly to the customer (formerly referred to as <i>drop ship</i>).
directory information tree	In PeopleSoft Enterprise Directory Interface, the representation of a directory's hierarchical structure.
division	In PeopleSoft Enterprise Campus Solutions, the lowest level of the three-level classification structure that you define in PeopleSoft Enterprise Recruiting and Admissions for enrollment management. You can define a division level, link it to other levels, and set enrollment target numbers for it. See also <i>population</i> and <i>cohort</i>.
document sequencing	A flexible method that sequentially numbers the financial transactions (for example, bills, purchase orders, invoices, and payments) in the system for statutory reporting and for tracking commercial transaction activity.
dynamic detail tree	A tree that takes its detail values—dynamic details—directly from a table in the database, rather than from a range of values that are entered by the user.
edit table	A table in the database that has its own record definition, such as the Department table. As fields are entered into a PeopleSoft Enterprise application, they can be validated against an edit table to ensure data integrity throughout the system.
effective date	A method of dating information in PeopleSoft Enterprise applications. You can predate information to add historical data to your system, or postdate information in order to enter it before it actually goes into effect. By using effective dates, you don't delete values; you enter a new value with a current effective date.
EIM ledger	Abbreviation for <i>Enterprise Incentive Management ledger</i> . In PeopleSoft Enterprise Incentive Management, an object to handle incremental result gathering within the scope of a participant. The ledger captures a result set with all of the appropriate traces to the data origin and to the processing steps of which it is a result.

elimination set	In PeopleSoft Enterprise General Ledger, a related group of intercompany accounts that is processed during consolidations.
entry event	In PeopleSoft Enterprise General Ledger, Receivables, Payables, Purchasing, and Billing, a business process that generates multiple debits and credits resulting from single transactions to produce standard, supplemental accounting entries.
equitization	In PeopleSoft Enterprise General Ledger, a business process that enables parent companies to calculate the net income of subsidiaries on a monthly basis and adjust that amount to increase the investment amount and equity income amount before performing consolidations.
equity item limit	In PeopleSoft Enterprise Campus Solutions, the amounts of funds set by the institution to be awarded with discretionary or gift funds. The limit could be reduced by amounts equal to such things as expected family contribution (EFC) or parent contribution. Students are packaged by Equity Item Type Groups and Related Equity Item Types. This limit can be used to assure that similar student populations are packaged equally.
event	A predefined point either in the Component Processor flow or in the program flow. As each point is encountered, the event activates each component, triggering any PeopleCode program that is associated with that component and that event. Examples of events are FieldChange, SavePreChange, and RowDelete. In PeopleSoft Enterprise Human Resources, also refers to an incident that affects benefits eligibility.
event constraints	In PeopleSoft Strategic Sourcing, these constraints are associated with a specific sourcing event. Spend is tracked within the selected event.
event propagation process	In PeopleSoft Enterprise Sales Incentive Management, a process that determines, through logic, the propagation of an original PeopleSoft Enterprise Incentive Management event and creates a derivative (duplicate) of the original event to be processed by other objects. PeopleSoft Enterprise Enterprise Sales Incentive Management uses this mechanism to implement splits, roll-ups, and so on. Event propagation determines who receives the credit.
exception	In PeopleSoft Enterprise Receivables, an item that either is a deduction or is in dispute.
exclusive pricing	In PeopleSoft Enterprise Order Management, a type of arbitration plan that is associated with a price rule. Exclusive pricing is used to price sales order transactions.
fact	In PeopleSoft Enterprise applications, facts are numeric data values from fields from a source database as well as an analytic application. A fact can be anything you want to measure your business by, for example, revenue, actual, budget data, or sales numbers. A fact is stored on a fact table.
financial aid term	In PeopleSoft Enterprise Campus Solutions, a combination of a period of time that the school determines as an instructional accounting period and an academic career. It is created and defined during the setup process. Only terms eligible for financial aid are set up for each financial aid career.
financial sanctions	For U.S. based companies and their foreign subsidiaries, a federal regulation from the Office of Foreign Assets Control (OFAC) requires that vendors be validated against a Specially Designated Nationals (SDN) list prior to payment. For PeopleSoft Payables, eSettlements, Cash Management, and Order to Cash, you can validate your vendors against any financial sanctions list (for example, the SDN list, a European Union list, and so on).
forecast item	A logical entity with a unique set of descriptive demand and forecast data that is used as the basis to forecast demand. You create forecast items for a wide range of uses, but they ultimately represent things that you buy, sell, or use in your organization and for which you require a predictable usage.

fund	In PeopleSoft Enterprise Promotions Management, a budget that can be used to fund promotional activity. There are four funding methods: top down, fixed accrual, rolling accrual, and zero-based accrual.
gap	In PeopleSoft Enterprise Campus Solutions, an artificial figure that sets aside an amount of unmet financial aid need that is not funded with Title IV funds. A gap can be used to prevent fully funding any student to conserve funds, or it can be used to preserve unmet financial aid need so that institutional funds can be awarded.
generic process type	In PeopleSoft Process Scheduler, process types are identified by a generic process type. For example, the generic process type SQR includes all SQR process types, such as SQR process and SQR report.
gift table	In PeopleSoft Enterprise Campus Solutions, a table or so-called <i>donor pyramid</i> describing the number and size of gifts that you expect will be needed to successfully complete the campaign in PeopleSoft Enterprise Contributor Relations. The gift table enables you to estimate the number of donors and prospects that you need at each gift level to reach the campaign goal.
GDS	Abbreviation for <i>Global Distribution System</i> . Broad-based term to describe all computer reservation systems for making travel plans.
GL business unit	Abbreviation for <i>general ledger business unit</i> . A unit in an organization that is an independent entity for accounting purposes. It maintains its own set of accounting books. See also <i>business unit</i> .
GL entry template	Abbreviation for <i>general ledger entry template</i> . In PeopleSoft Enterprise Campus Solutions, a template that defines how a particular item is sent to the general ledger. An item-type maps to the general ledger, and the GL entry template can involve multiple general ledger accounts. The entry to the general ledger is further controlled by high-level flags that control the summarization and the type of accounting—that is, accrual or cash.
GL Interface process	Abbreviation for <i>General Ledger Interface process</i> . In PeopleSoft Enterprise Campus Solutions, a process that is used to send transactions from PeopleSoft Enterprise Student Financials to the general ledger. Item types are mapped to specific general ledger accounts, enabling transactions to move to the general ledger when the GL Interface process is run.
global constraints	In PeopleSoft Strategic Sourcing, these constraints apply across multiple Strategic Sourcing business units. Spend is tracked across all of the events from the multiple Strategic Sourcing business units.
group	In PeopleSoft Enterprise Billing and Receivables, a posting entity that comprises one or more transactions (items, deposits, payments, transfers, matches, or write-offs). In PeopleSoft Enterprise Human Resources Management and Supply Chain Management, any set of records that are associated under a single name or variable to run calculations in PeopleSoft business processes. In PeopleSoft Enterprise Time and Labor, for example, employees are placed in groups for time reporting purposes.
ideal response	In PeopleSoft Strategic Sourcing, a question that requires the response to match the ideal value for the bid to be considered eligible for award. If the response does not match the ideal value, you can still submit the bid, but it will be disqualified and ineligible for award.
incentive object	In PeopleSoft Enterprise Incentive Management, the incentive-related objects that define and support the PeopleSoft Enterprise Incentive Management calculation process and results, such as plan templates, plans, results data, and user interaction objects.

incentive rule	In PeopleSoft Enterprise Sales Incentive Management, the commands that act on transactions and turn them into compensation. A rule is one part in the process of turning a transaction into compensation.
incur	In PeopleSoft Enterprise Promotions Management, to become liable for a promotional payment. In other words, you owe that amount to a customer for promotional activities.
initiative	In PeopleSoft Enterprise Campus Solutions, the basis from which all advancement plans are executed. It is an organized effort targeting a specific constituency, and it can occur over a specified period of time with specific purposes and goals. An initiative can be a campaign, an event, an organized volunteer effort, a membership drive, or any other type of effort defined by the institution. Initiatives can be multipart, and they can be related to other initiatives. This enables you to track individual parts of an initiative, as well as entire initiatives.
inquiry access	In PeopleSoft Enterprise Campus Solutions, a type of security access that permits the user only to view data. See also <i>update access</i> .
institution	In PeopleSoft Enterprise Campus Solutions, an entity (such as a university or college) that is independent of other similar entities and that has its own set of rules and business processes.
integration	A relationship between two compatible integration points that enables communication to take place between systems. Integrations enable PeopleSoft Enterprise applications to work seamlessly with other PeopleSoft Enterprise applications or with third-party systems or software.
integration point	An interface that a system uses to communicate with another PeopleSoft Enterprise application or an external application.
integration set	A logical grouping of integrations that applications use for the same business purpose. For example, the integration set <code>ADVANCED_SHIPPING_ORDER</code> contains all of the integrations that notify a customer that an order has shipped.
item	In PeopleSoft Enterprise Inventory, a tangible commodity that is stored in a business unit (shipped from a warehouse). In PeopleSoft Enterprise Demand Planning, Inventory Policy Planning, and Supply Planning, a noninventory item that is designated as being used for planning purposes only. It can represent a family or group of inventory items. It can have a planning bill of material (BOM) or planning routing, and it can exist as a component on a planning BOM. A planning item cannot be specified on a production or engineering BOM or routing, and it cannot be used as a component in a production. The quantity on hand will never be maintained. In PeopleSoft Enterprise Receivables, an individual receivable. An item can be an invoice, a credit memo, a debit memo, a write-off, or an adjustment.
item shuffle	In PeopleSoft Enterprise Campus Solutions, a process that enables you to change a payment allocation without having to reverse the payment.
itinerary	In PeopleSoft Expenses, a collection of travel reservations. Itineraries can have reservations that are selected and reserved with the travel vendor. These itineraries are not yet paid for and can be referred to as <i>pending reservations</i> . Reservations that have been paid for are referred to as <i>confirmed reservations</i> .
joint communication	In PeopleSoft Enterprise Campus Solutions, one letter that is addressed jointly to two people. For example, a letter might be addressed to both Mr. Sudhir Awat and Ms. Samantha Mortelli. A relationship must be established between the two individuals in the database, and at least one of the individuals must have an ID in the database.

keyword	In PeopleSoft Enterprise Campus Solutions, a term that you link to particular elements within PeopleSoft Enterprise Student Financials, Financial Aid, and Contributor Relations. You can use keywords as search criteria that enable you to locate specific records in a search dialog box.
KPI	An abbreviation for <i>key performance indicator</i> . A high-level measurement of how well an organization is doing in achieving critical success factors. This defines the data value or calculation upon which an assessment is determined.
KVI	Abbreviation for <i>Known Value Item</i> . Term used for products or groups of products where the selling price cannot be reduced or increased.
landlord	In PeopleSoft Real Estate Management, an entity that owns real estate and leases the real estate to tenants.
LDIF file	Abbreviation for <i>Lightweight Directory Access Protocol (LDAP) Data Interchange Format file</i> . Contains discrepancies between PeopleSoft Enterprise data and directory data.
learner group	In PeopleSoft Enterprise Learning Management, a group of learners who are linked to the same learning environment. Members of the learner group can share the same attributes, such as the same department or job code. Learner groups are used to control access to and enrollment in learning activities and programs. They are also used to perform group enrollments and mass enrollments in the back office.
learning components	In PeopleSoft Enterprise Learning Management, the foundational building blocks of learning activities. PeopleSoft Enterprise Learning Management supports six basic types of learning components: web-based, session, webcast, test, survey, and assignment. One or more of these learning component types compose a single learning activity.
learning environment	In PeopleSoft Enterprise Learning Management, identifies a set of categories and catalog items that can be made available to learner groups. Also defines the default values that are assigned to the learning activities and programs that are created within a particular learning environment. Learning environments provide a way to partition the catalog so that learners see only those items that are relevant to them.
learning history	In PeopleSoft Enterprise Learning Management, a self-service repository for all of a learner's completed learning activities and programs.
lease	In PeopleSoft Real Estate Management, a legally binding agreement between a landlord and a tenant, where the tenant rents all or part of a physical property from the landlord.
lease abstract	In PeopleSoft Real Estate Management, a summarized version of the complete lease contract with only the important terms. The lease abstract usually fits on one page and does not include legal terminology.
ledger mapping	You use ledger mapping to relate expense data from general ledger accounts to resource objects. Multiple ledger line items can be mapped to one or more resource IDs. You can also use ledger mapping to map dollar amounts (referred to as <i>rates</i>) to business units. You can map the amounts in two different ways: an actual amount that represents actual costs of the accounting period, or a budgeted amount that can be used to calculate the capacity rates as well as budgeted model results. In PeopleSoft Enterprise Warehouse, you can map general ledger accounts to the EW Ledger table.
library section	In PeopleSoft Enterprise Incentive Management, a section that is defined in a plan (or template) and that is available for other plans to share. Changes to a library section are reflected in all plans that use it.
line	In PeopleSoft Strategic Sourcing, an individual item or service upon which there can be a bid.

linked section	In PeopleSoft Enterprise Incentive Management, a section that is defined in a plan template but appears in a plan. Changes to linked sections propagate to plans using that section.
linked variable	In PeopleSoft Enterprise Incentive Management, a variable that is defined and maintained in a plan template and that also appears in a plan. Changes to linked variables propagate to plans using that variable.
LMS	Abbreviation for <i>learning management system</i> . In PeopleSoft Enterprise Campus Solutions, LMS is a PeopleSoft Enterprise Student Records feature that provides a common set of interoperability standards that enable the sharing of instructional content and data between learning and administrative environments.
load	In PeopleSoft Enterprise Inventory, identifies a group of goods that are shipped together. Load management is a feature of PeopleSoft Enterprise Inventory that is used to track the weight, the volume, and the destination of a shipment.
local functionality	In PeopleSoft Enterprise HRMS, the set of information that is available for a specific country. You can access this information when you click the appropriate country flag in the global window, or when you access it by a local country menu.
location	Locations enable you to indicate the different types of addresses—for a company, for example, one address to receive bills, another for shipping, a third for postal deliveries, and a separate street address. Each address has a different location number. The primary location—indicated by a <i>1</i> —is the address you use most often and may be different from the main address.
logistical task	In PeopleSoft Enterprise Services Procurement, an administrative task that is related to hiring a service provider. Logistical tasks are linked to the service type on the work order so that different types of services can have different logistical tasks. Logistical tasks include both preapproval tasks (such as assigning a new badge or ordering a new laptop) and postapproval tasks (such as scheduling orientation or setting up the service provider email). The logistical tasks can be mandatory or optional. Mandatory preapproval tasks must be completed before the work order is approved. Mandatory postapproval tasks, on the other hand, must be completed before a work order is released to a service provider.
market template	In PeopleSoft Enterprise Incentive Management, additional functionality that is specific to a given market or industry and is built on top of a product category.
mass change	In PeopleSoft Enterprise Campus Solutions, mass change is a SQL generator that can be used to create specialized functionality. Using mass change, you can set up a series of Insert, Update, or Delete SQL statements to perform business functions that are specific to the institution. See also <i>3C engine</i> .
match group	In PeopleSoft Enterprise Receivables, a group of receivables items and matching offset items. The system creates match groups by using user-defined matching criteria for selected field values.
MCF server	Abbreviation for <i>PeopleSoft MultiChannel Framework server</i> . Comprises the universal queue server and the MCF log server. Both processes are started when <i>MCF Servers</i> is selected in an application server domain configuration.
merchandising activity	In PeopleSoft Enterprise Promotions Management, a specific discount type that is associated with a trade promotion (such as off-invoice, billback or rebate, or lump-sum payment) that defines the performance that is required to receive the discount. In the industry, you may know this as an offer, a discount, a merchandising event, an event, or a tactic.

meta-SQL	Meta-SQL constructs expand into platform-specific SQL substrings. They are used in functions that pass SQL strings, such as in SQL objects, the SQLExec function, and PeopleSoft Application Engine programs.
metastring	Metastrings are special expressions included in SQL string literals. The metastrings, prefixed with a percent (%) symbol, are included directly in the string literals. They expand at run time into an appropriate substring for the current database platform.
multibook	In PeopleSoft Enterprise General Ledger, multiple ledgers having multiple-base currencies that are defined for a business unit, with the option to post a single transaction to all base currencies (all ledgers) or to only one of those base currencies (ledgers).
multicurrency	The ability to process transactions in a currency other than the business unit's base currency.
national allowance	In PeopleSoft Enterprise Promotions Management, a promotion at the corporate level that is funded by nondiscretionary dollars. In the industry, you may know this as a national promotion, a corporate promotion, or a corporate discount.
NDP	Abbreviation for <i>Non-Discountable Products</i> . Term used for products or groups of products where the selling price cannot be decreased.
need	In PeopleSoft Enterprise Campus Solutions, the difference between the cost of attendance (COA) and the expected family contribution (EFC). It is the gap between the cost of attending the school and the student's resources. The financial aid package is based on the amount of financial need. The process of determining a student's need is called <i>need analysis</i> .
node-oriented tree	A tree that is based on a detail structure, but the detail values are not used.
Optimization Engine	A PeopleTools component that Strategic Sourcing leverages to evaluate bids and determine an ideal award allocation. The award recommendation is based on maximizing the value while adhering to purchasing and company objectives and constraints.
pagelet	Each block of content on the home page is called a pagelet. These pagelets display summary information within a small rectangular area on the page. The pagelet provide users with a snapshot of their most relevant PeopleSoft Enterprise and non-PeopleSoft Enterprise content.
participant	In PeopleSoft Enterprise Incentive Management, participants are recipients of the incentive compensation calculation process.
participant object	Each participant object may be related to one or more compensation objects. See also <i>compensation object</i> .
partner	A company that supplies products or services that are resold or purchased by the enterprise.
pay cycle	In PeopleSoft Enterprise Payables, a set of rules that define the criteria by which it should select scheduled payments for payment creation.
payment shuffle	In PeopleSoft Enterprise Campus Solutions, a process allowing payments that have been previously posted to a student's account to be automatically reapplied when a higher priority payment is posted or the payment allocation definition is changed.
pending item	In PeopleSoft Enterprise Receivables, an individual receivable (such as an invoice, a credit memo, or a write-off) that has been entered in or created by the system, but hasn't been posted.

PeopleCode	PeopleCode is a proprietary language, executed by the PeopleSoft Enterprise component processor. PeopleCode generates results based on existing data or user actions. By using various tools provided with PeopleTools, external services are available to all PeopleSoft Enterprise applications wherever PeopleCode can be executed.
PeopleCode event	See <i>event</i> .
PeopleSoft Pure Internet Architecture	The fundamental architecture on which PeopleSoft 8 applications are constructed, consisting of a relational database management system (RDBMS), an application server, a web server, and a browser.
performance measurement	In PeopleSoft Enterprise Incentive Management, a variable used to store data (similar to an aggregator, but without a predefined formula) within the scope of an incentive plan. Performance measures are associated with a plan calendar, territory, and participant. Performance measurements are used for quota calculation and reporting.
period context	In PeopleSoft Enterprise Incentive Management, because a participant typically uses the same compensation plan for multiple periods, the period context associates a plan context with a specific calendar period and fiscal year. The period context references the associated plan context, thus forming a chain. Each plan context has a corresponding set of period contexts.
person of interest	A person about whom the organization maintains information but who is not part of the workforce.
personal portfolio	In PeopleSoft Enterprise Campus Solutions, the user-accessible menu item that contains an individual's name, address, telephone number, and other personal information.
phase	A level 1 task, meaning that if a task had subtasks, the level 1 task would be considered the phase.
pickup quantity	The product quantity that the customer is taking with them from the counter sales environment.
plan	In PeopleSoft Enterprise Sales Incentive Management, a collection of allocation rules, variables, steps, sections, and incentive rules that instruct the PeopleSoft Enterprise Incentive Management engine in how to process transactions.
plan context	In PeopleSoft Enterprise Incentive Management, correlates a participant with the compensation plan and node to which the participant is assigned, enabling the PeopleSoft Enterprise Incentive Management system to find anything that is associated with the node and that is required to perform compensation processing. Each participant, node, and plan combination represents a unique plan context—if three participants are on a compensation structure, each has a different plan context. Configuration plans are identified by plan contexts and are associated with the participants that refer to them.
plan template	In PeopleSoft Enterprise Incentive Management, the base from which a plan is created. A plan template contains common sections and variables that are inherited by all plans that are created from the template. A template may contain steps and sections that are not visible in the plan definition.
planned learning	In PeopleSoft Enterprise Learning Management, a self-service repository for all of a learner's planned learning activities and programs.
planning instance	In PeopleSoft Enterprise Supply Planning, a set of data (business units, items, supplies, and demands) constituting the inputs and outputs of a supply plan.
population	In PeopleSoft Enterprise Campus Solutions, the middle level of the three-level classification structure that you define in PeopleSoft Enterprise Recruiting and

	Admissions for enrollment management. You can define a population level, link it to other levels, and set enrollment target numbers for it. See also <i>division</i> and <i>cohort</i> .
portal registry	In PeopleSoft Enterprise applications, the portal registry is a tree-like structure in which content references are organized, classified, and registered. It is a central repository that defines both the structure and content of a portal through a hierarchical, tree-like structure of folders useful for organizing and securing content references.
predecessor task	A task that you must complete before you start another task.
price breaks	In PeopleSoft Strategic Sourcing, a price discount or surcharge that a bidder may apply based on the quantity awarded.
price components	In PeopleSoft Strategic Sourcing, the various components, such as material costs, labor costs, shipping costs, and so on that make up the overall bid price.
price list	Enables you to select products and conditions for which the price list applies to a transaction. During a transaction, the system either determines the product price based on the predefined search hierarchy for the transaction or uses the product's lowest price on any associated, active price lists. This price is used as the basis for any further discounts and surcharges.
price rule	The conditions that must be met for adjustments to be applied to the base price. Multiple rules can apply when conditions of each rule are met.
price rule conditions	Conditions that select the price-by fields, the values for the price-by fields, and the operator that determines how the price-by fields relate to the transaction.
price rule key	The fields that are available to define price rule conditions (which are used to match a transaction) on the price rule.
primacy number	In PeopleSoft Enterprise Campus Solutions, a number that the system uses to prioritize financial aid applications when students are enrolled in multiple academic careers and academic programs at the same time. The Consolidate Academic Statistics process uses the primacy number indicated for both the career and program at the institutional level to determine a student's primary career and program. The system also uses the number to determine the primary student attribute value that is used when you extract data to report on cohorts. The lowest number takes precedence.
primary name type	In PeopleSoft Enterprise Campus Solutions, the name type that is used to link the name stored at the highest level within the system to the lower-level set of names that an individual provides.
process category	In PeopleSoft Process Scheduler, processes that are grouped for server load balancing and prioritization.
process group	In PeopleSoft Enterprise Financials, a group of application processes (performed in a defined order) that users can initiate in real time, directly from a transaction entry page.
process definition	Process definitions define each run request.
process instance	A unique number that identifies each process request. This value is automatically incremented and assigned to each requested process when the process is submitted to run.
process job	You can link process definitions into a job request and process each request serially or in parallel. You can also initiate subsequent processes based on the return code from each prior request.

process request	A single run request, such as a Structured Query Report (SQR), a COBOL or Application Engine program, or a Crystal report that you run through PeopleSoft Process Scheduler.
process run control	A PeopleTools variable used to retain PeopleSoft Process Scheduler values needed at runtime for all requests that reference a run control ID. Do not confuse these with application run controls, which may be defined with the same run control ID, but only contain information specific to a given application process request.
product	A PeopleSoft Enterprise or third-party product. PeopleSoft organizes its software products into product families and product lines. Interactive Services Repository contains information about every release of every product that PeopleSoft sells, as well as products from certified third-party companies. These products appear with the product name and release number.
product adds	The pricing functionality where buying product A gets product B for free or at a price (formerly referred to as <i>giveaways</i>).
product bidding	In PeopleSoft Strategic Sourcing, the placing of a bid on behalf of the bidder, up or down to the bidder's specified amount, so that the bidder can be the leading bidder.
product category	In PeopleSoft Enterprise Incentive Management, indicates an application in the PeopleSoft Enterprise Incentive Management suite of products. Each transaction in the PeopleSoft Enterprise Incentive Management system is associated with a product category.
product family	A group of products that are related by common functionality. The family names that can be searched using Interactive Service Repository are Oracle's PeopleSoft Enterprise, PeopleSoft EnterpriseOne, PeopleSoft World, and third-party, certified partners.
product line	The name of a PeopleSoft Enterprise product line or the company name of a third-party certified partner. Integration Services Repository enables you to search for integration points by product line.
programs	In PeopleSoft Enterprise Learning Management, a high-level grouping that guides the learner along a specific learning path through sections of catalog items. PeopleSoft Enterprise Learning Systems provides two types of programs—curricula and certifications.
progress log	In PeopleSoft Enterprise Services Procurement, tracks deliverable-based projects. This is similar to the time sheet in function and process. The service provider contact uses the progress log to record and submit progress on deliverables. The progress can be logged by the activity that is performed, by the percentage of work that is completed, or by the completion of milestone activities that are defined for the project.
project transaction	In PeopleSoft Enterprise Project Costing, an individual transaction line that represents a cost, time, budget, or other transaction row.
promotion	In PeopleSoft Enterprise Promotions Management, a trade promotion, which is typically funded from trade dollars and used by consumer products manufacturers to increase sales volume.
prospects	In PeopleSoft Enterprise Campus Solutions, students who are interested in applying to the institution. In PeopleSoft Enterprise Contributor Relations, individuals and organizations that are most likely to make substantial financial commitments or other types of commitments to the institution.
proxy bidding	In PeopleSoft Strategic Sourcing, the placing of a bid on behalf of the bidder, up or down to the bidder's specified amount, so that the bidder can be the leading bidder.

publishing	In PeopleSoft Enterprise Incentive Management, a stage in processing that makes incentive-related results available to participants.
rating components	In PeopleSoft Enterprise Campus Solutions, variables used with the Equation Editor to retrieve specified populations.
record group	A set of logically and functionally related control tables and views. Record groups help enable TableSet sharing, which eliminates redundant data entry. Record groups ensure that TableSet sharing is applied consistently across all related tables and views.
record input VAT flag	Abbreviation for <i>record input value-added tax flag</i> . Within PeopleSoft Enterprise Purchasing, Payables, and General Ledger, this flag indicates that you are recording input VAT on the transaction. This flag, in conjunction with the record output VAT flag, is used to determine the accounting entries created for a transaction and to determine how a transaction is reported on the VAT return. For all cases within Purchasing and Payables where VAT information is tracked on a transaction, this flag is set to Yes. This flag is not used in PeopleSoft Enterprise Order Management, Billing, or Receivables, where it is assumed that you are always recording only output VAT, or in PeopleSoft Enterprise Expenses, where it is assumed that you are always recording only input VAT.
record output VAT flag	Abbreviation for <i>record output value-added tax flag</i> . See <i>record input VAT flag</i> .
recname	The name of a record that is used to determine the associated field to match a value or set of values.
recognition	In PeopleSoft Enterprise Campus Solutions, the recognition type indicates whether the PeopleSoft Enterprise Contributor Relations donor is the primary donor of a commitment or shares the credit for a donation. Primary donors receive hard credit that must total 100 percent. Donors that share the credit are given soft credit. Institutions can also define other share recognition-type values such as memo credit or vehicle credit.
reference data	In PeopleSoft Enterprise Sales Incentive Management, system objects that represent the sales organization, such as territories, participants, products, customers, and channels.
reference object	In PeopleSoft Enterprise Incentive Management, this dimension-type object further defines the business. Reference objects can have their own hierarchy (for example, product tree, customer tree, industry tree, and geography tree).
reference transaction	In commitment control, a reference transaction is a source transaction that is referenced by a higher-level (and usually later) source transaction, in order to automatically reverse all or part of the referenced transaction's budget-checked amount. This avoids duplicate postings during the sequential entry of the transaction at different commitment levels. For example, the amount of an encumbrance transaction (such as a purchase order) will, when checked and recorded against a budget, cause the system to concurrently reference and relieve all or part of the amount of a corresponding pre-encumbrance transaction, such as a purchase requisition.
regional sourcing	In PeopleSoft Enterprise Purchasing, provides the infrastructure to maintain, display, and select an appropriate vendor and vendor pricing structure that is based on a regional sourcing model where the multiple ship to locations are grouped. Sourcing may occur at a level higher than the ship to location.
relationship object	In PeopleSoft Enterprise Incentive Management, these objects further define a compensation structure to resolve transactions by establishing associations between compensation objects and business objects.
remote data source data	Data that is extracted from a separate database and migrated into the local database.

REN server	Abbreviation for <i>real-time event notification server</i> in PeopleSoft MultiChannel Framework.
requester	In PeopleSoft Enterprise eSettlements, an individual who requests goods or services and whose ID appears on the various procurement pages that reference purchase orders.
reservations	In PeopleSoft Expenses, travel reservations that have been placed with the travel vendor.
reversal indicator	In PeopleSoft Enterprise Campus Solutions, an indicator that denotes when a particular payment has been reversed, usually because of insufficient funds.
RFI event	In PeopleSoft Strategic Sourcing, a request for information.
RFx event	In PeopleSoft Strategic Sourcing, a request for proposal or request for a quote event when bidders submit their overall best bids and during which bidders do not actively compete against one another.
role	Describes how people fit into PeopleSoft Workflow. A role is a class of users who perform the same type of work, such as clerks or managers. Your business rules typically specify what user role needs to do an activity.
role user	A PeopleSoft Workflow user. A person's role user ID serves much the same purpose as a user ID does in other parts of the system. PeopleSoft Workflow uses role user IDs to determine how to route worklist items to users (through an email address, for example) and to track the roles that users play in the workflow. Role users do not need PeopleSoft user IDs.
roll up	In a tree, to roll up is to total sums based on the information hierarchy.
run control	A run control is a type of online page that is used to begin a process, such as the batch processing of a payroll run. Run control pages generally start a program that manipulates data.
run control ID	A unique ID to associate each user with his or her own run control table entries.
run-level context	In PeopleSoft Enterprise Incentive Management, associates a particular run (and batch ID) with a period context and plan context. Every plan context that participates in a run has a separate run-level context. Because a run cannot span periods, only one run-level context is associated with each plan context.
saved bid	In PeopleSoft Strategic Sourcing, a bid that has been created but not submitted. Only submitted bids are eligible for award.
score	In PeopleSoft Strategic Sourcing, the numerical sum of answers (percentages) to bid factors on an event. Scores appear only to bidders on auction events.
SCP SCBM XML message	Abbreviation for <i>Supply Chain Planning Supply Chain Business Modeler Extensible Markup Language message</i> . Supply Chain Business Modeler uses XML as the format for all data that it imports and exports.
search query	You use this set of objects to pass a query string and operators to the search engine. The search index returns a set of matching results with keys to the source documents.
search/match	In PeopleSoft Enterprise Campus Solutions and PeopleSoft Enterprise Human Resources Management Solutions, a feature that enables you to search for and identify duplicate records in the database.
seasonal address	In PeopleSoft Enterprise Campus Solutions, an address that recurs for the same length of time at the same time of year each year until adjusted or deleted.

section	In PeopleSoft Enterprise Incentive Management, a collection of incentive rules that operate on transactions of a specific type. Sections enable plans to be segmented to process logical events in different sections.
security event	In commitment control, security events trigger security authorization checking, such as budget entries, transfers, and adjustments; exception overrides and notifications; and inquiries.
sell event	In PeopleSoft Strategic Sourcing, for event creators, the sale of goods or services most typically associated with forward auctions. For bidders, the purchase of goods or services.
serial genealogy	In PeopleSoft Enterprise Manufacturing, the ability to track the composition of a specific, serial-controlled item.
serial in production	In PeopleSoft Enterprise Manufacturing, enables the tracing of serial information for manufactured items. This is maintained in the Item Master record.
service impact	In PeopleSoft Enterprise Campus Solutions, the resulting action triggered by a service indicator. For example, a service indicator that reflects nonpayment of account balances by a student might result in a service impact that prohibits registration for classes.
service indicator	In PeopleSoft Enterprise Campus Solutions, indicates services that may be either withheld or provided to an individual. Negative service indicators indicate holds that prevent the individual from receiving specified services, such as check-cashing privileges or registration for classes. Positive service indicators designate special services that are provided to the individual, such as front-of-line service or special services for disabled students.
session	In PeopleSoft Enterprise Campus Solutions, time elements that subdivide a term into multiple time periods during which classes are offered. In PeopleSoft Enterprise Contributor Relations, a session is the means of validating gift, pledge, membership, or adjustment data entry . It controls access to the data entered by a specific user ID. Sessions are balanced, queued, and then posted to the institution's financial system. Sessions must be posted to enter a matching gift or pledge payment, to make an adjustment, or to process giving clubs or acknowledgements. In PeopleSoft Enterprise Learning Management, a single meeting day of an activity (that is, the period of time between start and finish times within a day). The session stores the specific date, location, meeting time, and instructor. Sessions are used for scheduled training.
session template	In PeopleSoft Enterprise Learning Management, enables you to set up common activity characteristics that may be reused while scheduling a PeopleSoft Enterprise Learning Management activity—characteristics such as days of the week, start and end times, facility and room assignments, instructors, and equipment. A session pattern template can be attached to an activity that is being scheduled. Attaching a template to an activity causes all of the default template information to populate the activity session pattern.
setup relationship	In PeopleSoft Enterprise Incentive Management, a relationship object type that associates a configuration plan with any structure node.
share driver expression	In PeopleSoft Enterprise Business Planning, a named planning method similar to a driver expression, but which you can set up globally for shared use within a single planning application or to be shared between multiple planning applications through PeopleSoft Enterprise Warehouse.
short-term customer	A customer not in the system who is entered during sales order entry using a template.

single signon	With single signon, users can, after being authenticated by a PeopleSoft Enterprise application server, access a second PeopleSoft Enterprise application server without entering a user ID or password.
source key process	In PeopleSoft Enterprise Campus Solutions, a process that relates a particular transaction to the source of the charge or financial aid. On selected pages, you can drill down into particular charges.
source transaction	In commitment control, any transaction generated in a PeopleSoft Enterprise or third-party application that is integrated with commitment control and which can be checked against commitment control budgets. For example, a pre-encumbrance, encumbrance, expenditure, recognized revenue, or collected revenue transaction.
sourcing objective	For constraints, the option to designate whether a business rule is required (mandatory) or is only recommended (target).
speed key	See <i>communication key</i> .
SpeedChart	A user-defined shorthand key that designates several ChartKeys to be used for voucher entry. Percentages can optionally be related to each ChartKey in a SpeedChart definition.
SpeedType	A code representing a combination of ChartField values. SpeedTypes simplify the entry of ChartFields commonly used together.
staging	A method of consolidating selected partner offerings with the offerings from the enterprise's other partners.
standard letter code	In PeopleSoft Enterprise Campus Solutions, a standard letter code used to identify each letter template available for use in mail merge functions. Every letter generated in the system must have a standard letter code identification.
statutory account	Account required by a regulatory authority for recording and reporting financial results. In PeopleSoft Enterprise, this is equivalent to the Alternate Account (ALTACCT) ChartField.
step	In PeopleSoft Enterprise Sales Incentive Management, a collection of sections in a plan. Each step corresponds to a step in the job run.
storage level	In PeopleSoft Enterprise Inventory, identifies the level of a material storage location. Material storage locations are made up of a business unit, a storage area, and a storage level. You can set up to four storage levels.
subcustomer qualifier	A value that groups customers into a division for which you can generate detailed history, aging, events, and profiles.
Summary ChartField	You use summary ChartFields to create summary ledgers that roll up detail amounts based on specific detail values or on selected tree nodes. When detail values are summarized using tree nodes, summary ChartFields must be used in the summary ledger data record to accommodate the maximum length of a node name (20 characters).
summary ledger	An accounting feature used primarily in allocations, inquiries, and PS/nVision reporting to store combined account balances from detail ledgers. Summary ledgers increase speed and efficiency of reporting by eliminating the need to summarize detail ledger balances each time a report is requested. Instead, detail balances are summarized in a background process according to user-specified criteria and stored on summary ledgers. The summary ledgers are then accessed directly for reporting.
summary time period	In PeopleSoft Enterprise Business Planning, any time period (other than a base time period) that is an aggregate of other time periods, including other summary time periods and base time periods, such as quarter and year total.

summary tree	A tree used to roll up accounts for each type of report in summary ledgers. Summary trees enable you to define trees on trees. In a summary tree, the detail values are really nodes on a detail tree or another summary tree (known as the <i>basis</i> tree). A summary tree structure specifies the details on which the summary trees are to be built.
syndicate	To distribute a production version of the enterprise catalog to partners.
system function	In PeopleSoft Enterprise Receivables, an activity that defines how the system generates accounting entries for the general ledger.
system source	The system source identifies the source of a transaction row in the database. For example, a transaction that originates in PeopleSoft Enterprise Expenses contains a system source code of BEX (Expenses Batch). When PeopleSoft Enterprise Project Costing prices the source transaction row for billing, the system creates a new row with a system source code of PRP (Project Costing pricing), which represents the system source of the new row. System source codes can identify sources that are internal or external to the PeopleSoft Enterprise system. For example, processes that import data from Microsoft Project into PeopleSoft Enterprise applications create transaction rows with a source code of MSP (Microsoft Project).
TableSet	A means of sharing similar sets of values in control tables, where the actual data values are different but the structure of the tables is the same.
TableSet sharing	Shared data that is stored in many tables that are based on the same TableSets. Tables that use TableSet sharing contain the SETID field as an additional key or unique identifier.
target currency	The value of the entry currency or currencies converted to a single currency for budget viewing and inquiry purposes.
task	A deliverable item on the detailed sourcing plan.
tax authority	In PeopleSoft Enterprise Campus Solutions, a user-defined element that combines a description and percentage of a tax with an account type, an item type, and a service impact.
template	A template is HTML code associated with a web page. It defines the layout of the page and also where to get HTML for each part of the page. In PeopleSoft Enterprise, you use templates to build a page by combining HTML from a number of sources. For a PeopleSoft Enterprise portal, all templates must be registered in the portal registry, and each content reference must be assigned a template.
tenant	In PeopleSoft Real Estate Management, an entity that leases real estate from a landlord.
territory	In PeopleSoft Enterprise Sales Incentive Management, hierarchical relationships of business objects, including regions, products, customers, industries, and participants.
third party	A company or vendor that has extensive PeopleSoft Enterprise product knowledge and whose products and integrations have been certified and are compatible with PeopleSoft Enterprise applications.
tiered pricing	Enables different portions of a schedule to be priced differently from one another.
time span	A relative period, such as year-to-date or current period, that various PeopleSoft General Ledger functions and reports can use when a rolling time frame, rather than a specific date, is required.
total cost	In PeopleSoft Strategic Sourcing, the estimated dollar cost (sum of real price dollars and potential “soft” or non-price dollars) of a particular award approach.

travel group	In PeopleSoft Expenses, the organization's travel rules and policies that are associated with specific business units, departments, or employees. You must define at least one travel group when setting up the PeopleSoft Expenses travel feature. You must define and associate at least one travel group with a travel vendor.
travel partner	In PeopleSoft Expenses, the travel vendor with which the organization has a contractual relationship.
3C engine	Abbreviation for <i>Communications, Checklists, and Comments engine</i> . In PeopleSoft Enterprise Campus Solutions, the 3C engine enables you to automate business processes that involve additions, deletions, and updates to communications, checklists, and comments. You define events and triggers to engage the engine, which runs the mass change and processes the 3C records (for individuals or organizations) immediately and automatically from within business processes.
3C group	Abbreviation for <i>Communications, Checklists, and Comments group</i> . In PeopleSoft Enterprise Campus Solutions, a method of assigning or restricting access privileges. A 3C group enables you to group specific communication categories, checklist codes, and comment categories. You can then assign the group inquiry-only access or update access, as appropriate.
trace usage	In PeopleSoft Enterprise Manufacturing, enables the control of which components will be traced during the manufacturing process. Serial- and lot-controlled components can be traced. This is maintained in the Item Master record.
transaction allocation	In PeopleSoft Enterprise Incentive Management, the process of identifying the owner of a transaction. When a raw transaction from a batch is allocated to a plan context, the transaction is duplicated in the PeopleSoft Enterprise Incentive Management transaction tables.
transaction state	In PeopleSoft Enterprise Incentive Management, a value assigned by an incentive rule to a transaction. Transaction states enable sections to process only transactions that are at a specific stage in system processing. After being successfully processed, transactions may be promoted to the next transaction state and "picked up" by a different section for further processing.
Translate table	A system edit table that stores codes and translate values for the miscellaneous fields in the database that do not warrant individual edit tables of their own.
tree	The graphical hierarchy in PeopleSoft Enterprise systems that displays the relationship between all accounting units (for example, corporate divisions, projects, reporting groups, account numbers) and determines roll-up hierarchies.
tuition lock	In PeopleSoft Enterprise Campus Solutions, a feature in the Tuition Calculation process that enables you to specify a point in a term after which students are charged a minimum (or <i>locked</i>) fee amount. Students are charged the locked fee amount even if they later drop classes and take less than the normal load level for that tuition charge.
unclaimed transaction	In PeopleSoft Enterprise Incentive Management, a transaction that is not claimed by a node or participant after the allocation process has completed, usually due to missing or incomplete data. Unclaimed transactions may be manually assigned to the appropriate node or participant by a compensation administrator.
universal navigation header	Every PeopleSoft Enterprise portal includes the universal navigation header, intended to appear at the top of every page as long as the user is signed on to the portal. In addition to providing access to the standard navigation buttons (like Home, Favorites, and signoff) the universal navigation header can also display a welcome message for each user.
update access	In PeopleSoft Enterprise Campus Solutions, a type of security access that permits the user to edit and update data.

See also *inquiry access*.

user interaction object	In PeopleSoft Enterprise Sales Incentive Management, used to define the reporting components and reports that a participant can access in his or her context. All PeopleSoft Enterprise Sales Incentive Management user interface objects and reports are registered as user interaction objects. User interaction objects can be linked to a compensation structure node through a compensation relationship object (individually or as groups).
variable	In PeopleSoft Enterprise Sales Incentive Management, the intermediate results of calculations. Variables hold the calculation results and are then inputs to other calculations. Variables can be plan variables that persist beyond the run of an engine or local variables that exist only during the processing of a section.
VAT exception	Abbreviation for <i>value-added tax exception</i> . A temporary or permanent exemption from paying VAT that is granted to an organization. This term refers to both VAT exoneration and VAT suspension.
VAT exempt	Abbreviation for <i>value-added tax exempt</i> . Describes goods and services that are not subject to VAT. Organizations that supply exempt goods or services are unable to recover the related input VAT. This is also referred to as exempt without recovery.
VAT exoneration	Abbreviation for <i>value-added tax exoneration</i> . An organization that has been granted a permanent exemption from paying VAT due to the nature of that organization.
VAT suspension	Abbreviation for <i>value-added tax suspension</i> . An organization that has been granted a temporary exemption from paying VAT.
warehouse	A PeopleSoft Enterprise data warehouse that consists of predefined ETL maps, data warehouse tools, and DataMart definitions.
weight or weighting	In PeopleSoft Strategic Sourcing, how important the line or question is to the overall event. Weighting is used to score and analyze bids. For RFx and RFI events, weightings may or may not appear to bidders.
work order	In PeopleSoft Enterprise Services Procurement, enables an enterprise to create resource-based and deliverable-based transactions that specify the basic terms and conditions for hiring a specific service provider. When a service provider is hired, the service provider logs time or progress against the work order.
worker	A person who is part of the workforce; an employee or a contingent worker.
workset	A group of people and organizations that are linked together as a set. You can use worksets to simultaneously retrieve the data for a group of people and organizations and work with the information on a single page.
worksheet	A way of presenting data through a PeopleSoft Enterprise Business Analysis Modeler interface that enables users to do in-depth analysis using pivoting tables, charts, notes, and history information.
worklist	The automated to-do list that PeopleSoft Workflow creates. From the worklist, you can directly access the pages you need to perform the next action, and then return to the worklist for another item.
XML link	The XML Linking language enables you to insert elements into XML documents to create a links between resources.
XML schema	An XML definition that standardizes the representation of application messages, component interfaces, or business interlinks.
XPI	Abbreviation for <i>eXtended Process Integrator</i> . PeopleSoft XPI is the integration infrastructure that enables both real-time and batch communication with JD Edwards EnterpriseOne applications.

yield by operation

In PeopleSoft Enterprise Manufacturing, the ability to plan the loss of a manufactured item on an operation-by-operation basis.

zero-rated VAT

Abbreviation for *zero-rated value-added tax*. A VAT transaction with a VAT code that has a tax percent of zero. Used to track taxable VAT activity where no actual VAT amount is charged. Organizations that supply zero-rated goods and services can still recover the related input VAT. This is also referred to as exempt with recovery.

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