

# PEOPLESOFT INVENTORY



*Flexible and comprehensive inventory management system.*

*Immediate access to relevant inventory information.*

*Swift and informed decision making.*

PeopleSoft Inventory is the cornerstone of your supply chain business processes of inventory management, order-to-cash, procure-to-pay, and plan-to-produce.

PeopleSoft Inventory enables you to increase your inventory accuracy and customer service levels and, at the same time, reduce your carrying costs, labor costs, and inventory write-offs. PeopleSoft Inventory helps you make faster, more accurate decisions, which is critical in today's complex global inventory environments.

Drawing on PeopleSoft's Pure Internet Architecture™, relational database technology, and a web-browser user interface, PeopleSoft Inventory supports informed decision-making in complex inventory environments worldwide. The system adapts easily to user requirements, meeting all types of needs. Real-time information access and increased complexity in today's business environment requires that you have extensive, real-time visibility to your inventory. PeopleSoft Inventory's performance analysis reporting tools and workflow provide you with the information you need precisely when you need it.

## **Flexible Inventory Structures**

Your business operations are unique. You need the flexibility to control and track inventory in a manner that reflects the way you do business. PeopleSoft Inventory adapts to your existing and future business needs. Use it to:

- Create unlimited and flexible business units to reflect distribution and material storage entities.
- Define inventory business units independent of your general ledger.
- Streamline data entry with extensive defaults including default page display options for each of your business units.
- Use a multilevel storage structure to provide flexibility and simplify transaction processing.
- Track real-time item quantities.
- Provide ability to drive inventory balances negative and reconcile discrepancies.

## **Item Management**

PeopleSoft Inventory enables you to capture and maintain complete records of the items you store. You can:

- Maintain common sets of item data across your enterprise or specific to a particular entity.
- Maintain online item definition history with effective-date processing.
- Maintain item attributes such as physical dimension, size, item family, item group, and utilization type.

- Prompt and route for approval of items using workflow processing.
- Define varied units of measure to convert among stocking, ordering, and shipping transactions.
- Efficiently copy items within and across business units.
- Add and maintain items in bulk utilizing the item loader.

### **Comprehensive Inventory Control, Management, Reporting, and Reconciliation**

PeopleSoft Inventory offers multiple physical accounting features to track and reconcile the physical location of items accurately and efficiently:

- Perform cycle counts with or without interrupting warehouse operations.
- Calculate ABC classifications based on configurable rules and perform cycle counts by ABC classification.
- Perform wall-to-wall and cycle counts using automated data collection devices that interface with Inventory.
- Generate reconciliation reports by percentage and dollar tolerance levels.

PeopleSoft Inventory has comprehensive costing and valuation management so that you can enter and maintain costing information quickly and easily, and use this information to effortlessly calculate appropriate valuations. You can:

- Support multiple, simultaneous inventory valuation methods.
- Track cumulative and unit cost information at the item level on a real-time basis.
- Reflect cost variances.
- Generate inventory-related accounting lines for all transactions.

PeopleSoft Inventory has powerful lot and serial controls and tracking capabilities to maximize efficiency. You can:

- Manage and maintain lots based on a set of lot control parameters, such as lot expiration date, lot creation date, and lot status.
- Allocate specific lots during order entry while viewing the quantity available and quantity allocated for each item and lot combination.
- Specify sorting criteria for lots when picking using earliest expiration date (or first expired, first out) or earliest lot creation date (or first in, first out).
- Use lot status codes to control which transactions can be executed against a specific item and lot combination.
- Track materials by serial number from the time of receipt or from the time of shipment.

### **Putaway and Cross-Docking**

Efficiently and precisely match the method and structure of storing and processing your inventory:

- Review and select alternate putaway plans based on multiple criteria, such as find existing item, default putaway, fixed picking, empty bin, random bins, and use storage containers.
- Use capacity checking by size and/or weight for material putaway.
- Use single item storage if an item must be stored by itself.
- Process miscellaneous receipts in one swift and intuitive step.
- Cross-dock incoming receipts to outgoing shipments to save steps and cut lead-times.

### **Order Pegging, Reservations, Backorder Management, and Fulfillment**

You need to know if you can deliver on time to your internal and external customers. And you need to do so in the most cost-efficient manner. With PeopleSoft Inventory, you can strategically track and manage all your demand requirements to maximize your customer service levels. You can:

- Perform financial sanctions screening by validating customer names and addresses with a variety of national and international security lists provided by a download from a U.S. Government website to prevent shipping to potentially illegal entities.
- Peg incoming supply to demand.
- Access available-to-promise information.
- Monitor unfulfilled demand and material receipts.
- Reserve stock by using reservation lead days and order priority or use powerful reservations and backorder rules to reserve stock to orders.
- Create and manage internal and external material stock requests (demand) and manage demand from PeopleSoft Order Management, Purchasing, Supply Planning, and Asset Lifecycle Management.
- Create and fulfill product kit orders.
- Manage the fulfillment of all of your demand using the fulfillment and shortage workbenches and customize/secure them using templates.
- Streamline your fulfillment operations with the fulfillment engine that has powerful but flexible rules taking orders from one fulfillment state to another (i.e., unfulfilled to picked or reserved to shipped).
- Perform paperless picking and shipping using radio frequency (RF) devices.
- Construct rules-based picking algorithms to optimize warehouse space and travel time.
- In stockroom environments, request, pick, and deplete using one intuitive express issue page.
- Use containers to increase efficiency in stock movements and decrease the associated paperwork and cost.

- Use route and load planning to group order lines for efficient picking, packing, and shipping.
- Calculate the estimated shipping load weight and volume to help manage the truck load.
- Apply freight and miscellaneous charges for customer sales orders.
- Use shipping containers to increase efficiency when shipping items.
- Initiate serial tracking at shipping time to track items after they are shipped, reducing the overhead associated with tracking inventory from the time of receipt or production.
- Provide customer-specific shipping labels.

### **Transfer Order Management**

You need to move materials between units of your enterprise quickly and easily.

PeopleSoft Inventory enables swift intra-enterprise materials movement. You can:

- Create inter-unit material transfer orders independent of your order processing and purchasing functions. Our design accommodates both simple inter-unit transfers and complex inter-company transfers that require arms-length sales between entities. You also have the option of transferring stock between business units at a specific (pre-determined or manually input) cost, at a certain cost mark-up, or at zero cost.
- Create inter-unit expensed issues and returns.
- View in-transit stock availability.
- Assign ownership of in-transit stock to ensure correct valuation.

### **Stock and Location Replenishment**

You need to know when your supply items are getting low. With powerful automation capabilities and intuitive data screens, it's easy to replenish materials with PeopleSoft Inventory. You can:

- Generate a replenishment requisition based on current stocking levels, economic order quantity (EOQ), and reorder point.
- Use flexible, ad-hoc requisitioning for backorder management.
- Track reorder points based on multiple criteria.

### **Consigned Inventory from Suppliers and Vendor Managed Inventory for Customers**

Whether your suppliers have material they manage at your warehouse or you have inventory at your customer's sites that you manage, PeopleSoft Inventory offers solutions to manage both scenarios. You can:

- Track stock owned by you and your suppliers in your warehouse and automatically trigger payment when it is used.
- Track inventory at your customer's sites using delivered integration points to

monitor your customer's usage and status.

- Replenish inventory at your customer's sites with the flexibility of billing them upon shipment (non-consigned) or upon usage (consigned).

### **Par Inventory and Material Usage and Reconciliation**

PeopleSoft Inventory enables you to establish stock locations that can be replenished without tracking item on-hand quantities and material movement transactions. Additionally, Inventory provides tools for capturing and tracking material usage from locations and receipt of goods into locations.

- Automate par inventory assignment, tracking, and replenishment.
- Update information for multiple par locations at the same time with par location mass maintenance.
- Run replenishment by par location, or par location group.
- Capture basic consumer information in PeopleSoft Inventory either by entering consumer information manually or by using the consumer message integration to receive consumer information from a third-party consumer management system.
- Print a charge sheet for the consumer.
- Replenish par locations.
- Push usage data for the consumer to the billing or costing system, using the consumer usage EIP.

### **Enterprise-Wide Solution**

PeopleSoft Inventory is fully integrated with other PeopleSoft applications to make your job easier. Use:

- Order-to-Cash. Combined with PeopleSoft Order Management, Billing and Receivables, PeopleSoft Inventory offers comprehensive and flexible fulfillment management to supply your internal and external customers.
- Procure-to-Pay. Combined with PeopleSoft Purchasing and Payables, PeopleSoft Inventory manages all aspects of your supply by creating requests to be re-supplied or fulfilling requests from requisitioners from your warehouses.
- Plan-to-Produce. Combined with PeopleSoft Demand Planning, Inventory Policy Planning, Supply Planning, and Manufacturing, PeopleSoft Inventory enables the planning, manufacture, and distribution of your inventory.
- Plan-to-Retire. Combined with PeopleSoft Maintenance Management, PeopleSoft Inventory provides supplies to maintain your assets.
- Record-to-Report. Combined with PeopleSoft Cost Management, Projects, and General Ledger, PeopleSoft Inventory supplies detailed financial data to help you track and manage the financial impact of your stock.

### Third-Party Application Integration

PeopleSoft Inventory has comprehensive integration points to:

- Warehouse management systems (in-house or third-party) and/or electronic data collection systems for receiving, picking, shipping, counting, transferring, and adjusting inventory.
- Transportation management systems for complex transportation planning.
- Bar code label generation software to generate bar code labels for scanning in the warehouse, on the manufacturing floor, or later in the supply chain. Create label-specific flat files of your bar code data in PeopleSoft Inventory to pass on to a third-party product for label formatting and printing.

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