Statement of Direction
Applications Release 9.0
JD Edwards EnterpriseOne

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JD EDWARDS ENTERPRISEONE

JD Edwards EnterpriseOne Product Strategy

Revised April 2008

PURPOSE STATEMENT

THIS DOCUMENT PROVIDES AN OVERVIEW OF FEATURES AND ENHANCEMENTS INCLUDED IN RELEASE JD EDWARDS ENTERPRISEONE 9.0. IT IS INTENDED SOLELY TO HELP YOU ASSESS THE BUSINESS BENEFITS OF UPGRADING TO JD EDWARDS ENTERPRISEONE RELEASE 9.0 AND TO PLAN YOUR IT PROJECTS.

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Revision	Date	Description
A	April 2008	Initial release.

ACRONYMS AND ABBREVIATIONS

ACRN   Accounting Classification Reference Number

BI   Business Intelligence

CDK   Configuration Development Kit (Deployment tool for Oracle Business Accelerators for JD Edwards EnterpriseOne)

CSR   Customer Service Representative

CTO   Configure-to-Order

EP   Expense Participation

ESS   Employee Self-Service (JD Edwards EnterpriseOne Human Capital Management module)

FAR   Federal Acquisition Regulations (U.S. Government procurement laws)

GCAS   Government Cost Accounting Standards

LOE   Level of Effort

MRO   Maintenance, Repair and Operations

MSS   Manger Self-Service (JD Edwards EnterpriseOne Human Capital Management module)

OBIA   Oracle Business Intelligence Applications

OTM   Oracle Transportation Management (formerly G-Log)

PGCA   Project and Government Contract Accounting
(JD Edwards EnterpriseOne Project Management module)

PO   Purchase Order

POP   Period of Performance

SOD   Statement of Direction

TBD   To-Be Determined

VMI   Vendor Managed Inventory

WIP   Work in Progress

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Statement of Direction
Applications Release 9.0
JD Edwards EnterpriseOne

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Applications Release 9.0
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Executive Summary

All JD Edwards EnterpriseOne releases generate added business value for almost all customers as well as specific additions for targeted industries.

With release 9.0 JD Edwards EnterpriseOne continues to deliver additions and enhancements designed to address global market dynamics, regulatory reporting requirements, intricate transactional and contractual arrangements and technological changes faced by you everyday. Our investment strategy, coupled with our focus on our core industry markets, maps to these challenges for release 9.0.

Consider the projects and services industries. These industries are experiencing rapid growth fueled by different factors, including a significant increase in U.S. government spending for large disaster recovery efforts, an increase in activity across operational and service aspects of the military activity, and broad, new investments in the nation's physical infrastructures. Recent reports list annual U.S. government contract spending in this category at $412 billion.[1]

The U.S. government spends over $400 billion annually on projects. Project and Government Contract Accounting from JD Edwards EnterpriseOne will help you participate in this growing market.

These industries represents core JD Edwards' customer communities. So, with release 9.0, we have planned a new module that directly improves your ability to participate in complex projects - Project and Government Contract Accounting (PGCA). This new product will also extend and enhance our existing capabilities for project management, contract management and contract accounting. PGCA will be tightly integrated to many of our modules, including those enhanced to meet related project and contract requirements, for end-to-end business process execution across our single database model for a single source of truth.

And PGCA will offer innovations and enhancements for more than the project and services industry segments. Throughout our PGCA design and development process, we added functionality that helps companies in any industry better manage projects, people, payroll and purchases.

With PGCA you will recognize these business benefits when involved with complex contracts, especially if you are involved with U.S. Federal government projects that require GCAS compliance:

- Increase contract compliance to reduce risk of no pay/late pay;

- Reduce audit risk/cost;

[1] The United States House of Representatives Committee on Oversight and Government Reform - Majority Staff Report, June 2007

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- Reduce contract and billing administrative costs;
- Improve financial performance and visibility.

Release 9.0 includes plans to provide operational efficiency and system flexibility for additional visibility and control. We plan to include features for manufacturers struggling with configured-to-order products, real estate firms combating margin erosion or engineering companies managing multiple commercial and U.S. Government contracts. Release 9.0 plans include capabilities to streamline processes, ensure transaction accuracy and manage, reduce complexity. In summary, our plans include:

- **New Value for Targeted Customer Segments** – Businesses concerned about U.S. Government Contract and Accounting Standards (GCAS) will gain extensive benefits using PGCA, and many related enhancements across product suites. Other businesses that have complex material and labor reporting requirements will also find value with the work completed for this targeted customer segment.

  This release also includes enhancements specific to commercial real estate investors and managers, homebuilders and, food and beverage producers, including the wine industry.

- **Added Business Value Across Industries** – All companies gain additional value with added features and functions for managing your general ledger, supply chain, manufacturing, and human capital. This also includes new integration capabilities to Oracle Transportation Management and a new JD Edwards adapter so that you can access Oracle Business Intelligence Applications in the areas of Finance and Order Management and Fulfillment.

- **Improved System Operations Simplify Deployments** – Software delivery is improved with better tools and more options for Oracle Business Accelerators for JD Edwards EnterpriseOne. These tools are valuable for first time installations and a wide variety of subsequent system management activities.

A new JD Edwards EnterpriseOne Tools release, 8.98, is paired with applications release 9.0.

Release 9.0 incorporates improvements to over 50 percent of JD Edwards EnterpriseOne's product suites. Table 1 lists the enhanced suites with associated modules that were either added or enhanced. When release 9.0 is available, we are also planning a simultaneous release of Tools 8.98, which is discussed in a separate statement of direction.

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Table 1 – Product Suites Enhanced in JD Edwards EnterpriseOne 9.0	
Product Suite	**Product Module**
Financial Management	▪ Expense Management ▪ Financial Management (General Ledger)
Human Capital Management	▪ Human Resources ▪ Employee Self-Service ▪ Manager Self-Service ▪ Payroll ▪ Time and Labor
Order Management	▪ Sales Order Management
Manufacturing	▪ Configurator
Supply Management	▪ Procurement and Subcontracts Management
Project Management	▪ **New Module** – Project and Government Contract Accounting ▪ Contract and Service Billing ▪ Project Costing
Food and Beverage Producers	▪ Blend Management ▪ Grower Management ▪ Grower Pricing and Payments
Real Estate and Home Construction	▪ Homebuilder Management ▪ Advanced Real Estate Forecasting ▪ Real Estate Management

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Project Management

Project and contract management is an important business activity for many firms, especially companies working on engineering and construction activities and projects for the U.S. government. In release 9.0 JD Edwards EnterpriseOne delivers a new module, Project and Government Contract Accounting, and adds many integrated enhancements across these product suite and their modules (See also Figure 1):

- Project Management
  - Contract and Service Billing
  - Project Costing
- Financial Management
  - Expense Management
  - Financial Management
- Supply Management (Procurement)
  - Procurement and Subcontracts Management
- Human Capital Management
  - Employee Self-Service
  - Manager Self-Service
  - Time and Labor
  - Payroll

Manage Complex Contracts with Project and Government Contract Accounting (New Module)

Project-centric industries gain many business benefits with the new JD Edwards EnterpriseOne Project and Government Contract Accounting (PGCA) module.

In particular, U.S. government contractors must conform to pre-defined rules and regulations. Many of these rules are centered on contract terms, cost control, billing, cash settlements, and auditing. Other companies in engineering and construction are

Release 9.0 Component Snapshot	
Component	Project and Government Contract Accounting
Type	New ERP product module
Suite	Project Management
Industry	▶ Engineering and construction ▶ Firms using project cost accounting and contract billing ▶ U.S. government contractors (GCAS)
Summary	Manage contracts in compliance with regulations and requirements for U.S. government (over $400 billion marketplace) and complex non-government projects.
Details	Table A.1 and Figure 1

likewise challenged to manage complex yet variable contracts, even if they

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are not working on U.S. government projects. With this new Oracle JD Edwards module, Project and Government Contract Accounting, your business can manage contracts in compliance with these regulations as well as meet the demands of non-government contracts.

Improved Invoicing Drives Contract Billing Enhancements

With release 9.0, the Project and Government Contract Accounting module enhances customer billing and invoice formatting with an improved interface that precludes the need for IT assistance. The new invoice configuration application provides intuitive invoice formatting options that support simplistic-to-complex invoice format requirements for government and commercial contracts.

You will also save time and eliminate invoicing errors and payment delays by linking invoice formats (e.g. time and material format vs. fixed price invoice format) to a contract. Each invoice is produced in the required format. This enhancement will drive timely and correct payments producing professional invoices so that your customers experience billing consistency, quality and accuracy.

Support Complex Contracts with Flexible Job Attributes

Release 9.0 increases accuracy and contract compliance by adding job attributes in the Project Costing module. Planned new features control costs charged to a contract by directly tying a job to the contract funding. Plus, you can identify jobs as direct or indirect (burdened) costs to a contract which properly distributes indirect costs to appropriate contracts so you can manage both cost and burden simultaneously and accurately.
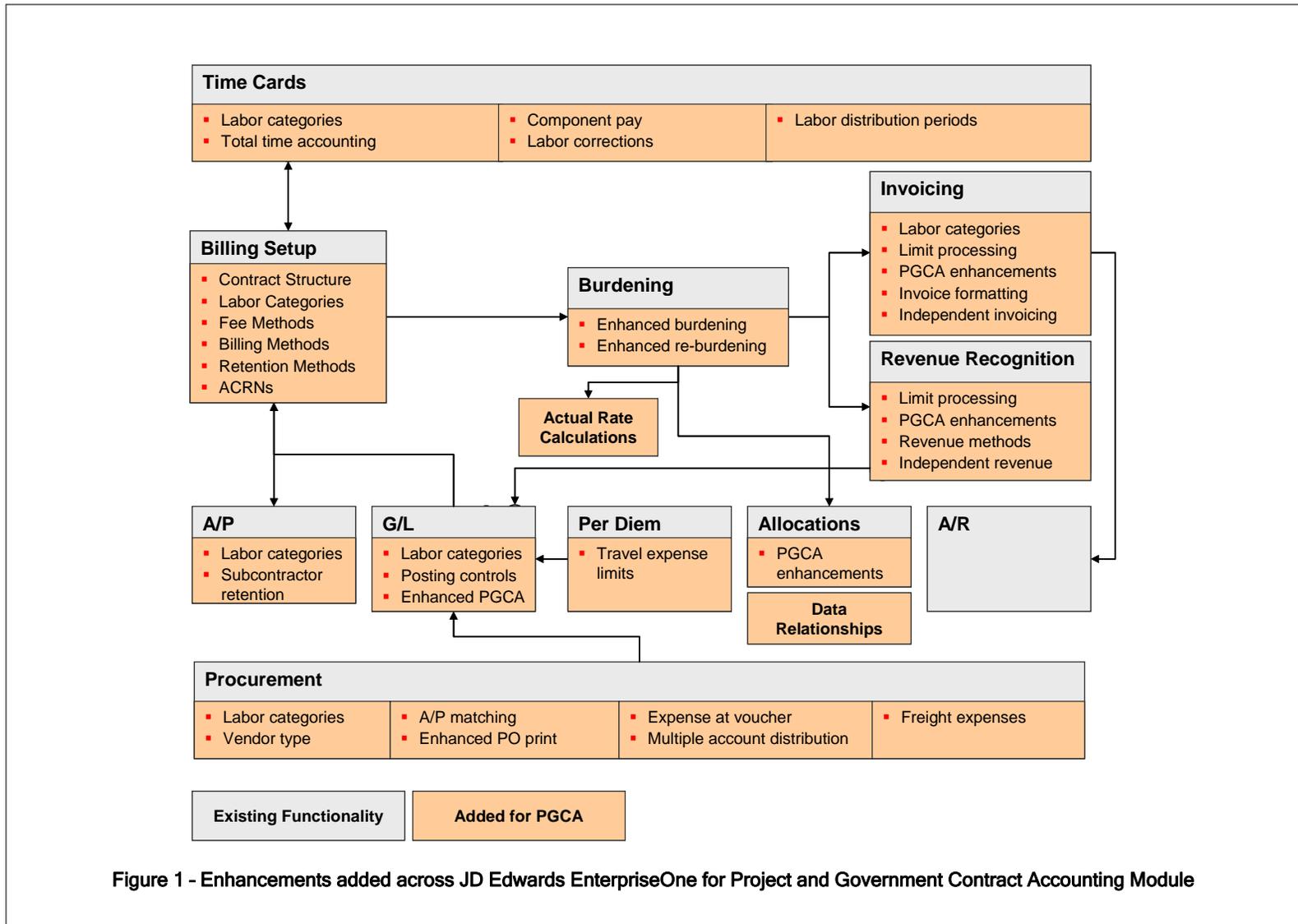
Release 9.0 includes features in the Project and Government Contract Accounting module and the Project Costing module that address requirements for complex contracts.

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Time Cards
- Labor categories
- Total time accounting
- Component pay
- Labor corrections
- Labor distribution periods

Billing Setup
- Contract Structure
- Labor Categories
- Fee Methods
- Billing Methods
- Retention Methods
- ACRNs

Burdening
- Enhanced burdening
- Enhanced re-burdening

Invoicing
- Labor categories
- Limit processing
- PGCA enhancements
- Invoice formatting
- Independent invoicing

Revenue Recognition
- Limit processing
- PGCA enhancements
- Revenue methods
- Independent revenue

Actual Rate Calculations

A/P
- Labor categories
- Subcontractor retention

G/L
- Labor categories
- Posting controls
- Enhanced PGCA

Per Diem
- Travel expense limits

Allocations
- PGCA enhancements

Data Relationships

A/R

Procurement
- Labor categories
- Vendor type
- A/P matching
- Enhanced PO print
- Expense at voucher
- Multiple account distribution
- Freight expenses

Existing Functionality

Added for PGCA

Figure 1 - Enhancements added across JD Edwards EnterpriseOne for Project and Government Contract Accounting Module

Financial Management

Release 9.0 enhancements cover four areas of Financial Management:

- **Allocations** – The need to redistribute amounts from one business unit to another is a relatively simple, yet common, business requirement. Yet there are business situations wherein the redistribution rules can be complex and difficult to administer. Within 9.0, enhancements

Release 9.0 Component Snapshot	
Component	Financial Management
Type	Enhancements to existing suite
Suite	Financial Management
Industry	▶ U.S. government contractors (GCAS) ▶ Any firm needs standard financial functions ▶ Companies with employee expenses ▶ Companies with business units ▶ Firms that do contract billing
Summary	Better financial management tools protect and enhance your business's bottom line.
Details	Table A.2

there are planned that allow you to manage advanced variable numerator allocations with new ease, flexibility and confidence. A new series of applications and UBEs allow you set up the rules, calculate, print and generate the allocations journal entries. Some of the key highlight are:

  - Expanded data selection for allocation source and basis criteria

  - Expanded destination and offset account criteria

  - Ability to perform burdening based allocations

  - Allocation specification report for improved audit-ability

  - Improved allocation generation performance

- **Data Relationships** – Reduced data entry and improved data quality improves an organization's ability to capture and rely on their business data. Release 9.0 adds "data relationships" to improve your ERP data quality.

  A new data relationship setup application lets you define date effective relationship that exists between various data elements and values. As you enter data, the system validates and enforces rules you established. The system can edit for accuracy and default data based on rules, reducing data entry and ensuring accuracy. These data relationship rules are enforced in the:

  - Business Unit

  - Job Cost

  - Contract Master

  - U.S. Government Contract Master Applications.

  You define rules for data relationships for business units and contracts according to your needs and company structure. This

reduces data entry time, and improves data quality and completeness (see Figure 2);

- **Expense Management** – Since travel and employee expenses comprise up to 10 percent of an average company's operating expenses, it is important that expenses are managed effectively. Establishing enterprise-wide policies for employee expenses, reviewing reports for compliance and identifying recurring deviations are best practices for managing employee spend. Streamline your expense management process and provide more controls that facilitate complex elements of managing employee expenses against contract requirements or simply in accordance with company policies. Some of these features include:
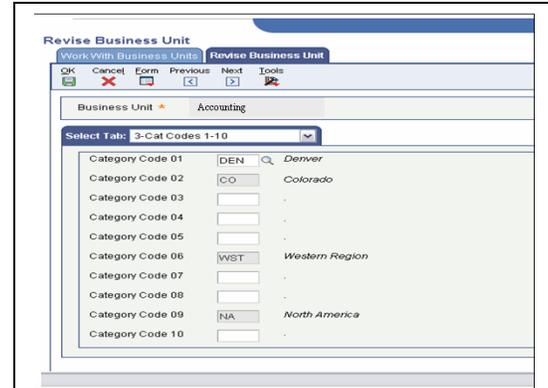
    - Ability to distribute an expense line to a billable account up to the per diem or allowable amount and distribute the remainder to a non billable account (for government unallowable expenses).

    - Ability to define allowable limits for various types of expenses.

    - Easily allow auditing of existing expense amounts and approvals.

    - Provide workflow mechanism to facilitate escalations, distribution lists, and change management.

- **General Ledger** – Release 9.0 adds new financial control and reporting capabilities with improved runtime and scalability of key business processes help you reduce your financial processing costs.

    For example, with release 9.0 you can close business units, jobs, or accounts to all new transactions while making adjusting entries.

    Significant performance improvements enhance:

    - Accounts receivable automated receipts processing

    - Allocations generation

    - General ledger posting process.

Figure 2 – Establishing data relationships for a business unit.

When "Den" was entered in Category Code 1, the values in Category Codes 2, 6 and 9 automatically populated via your established rules. In this example, per the set rules, the values for Category Codes are not available for edit.

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Human Capital Management

Rapidly Improve the Accuracy of Your Labor Activity Capture

Any company managing employee time entry including firms with complex labor reporting and classification requirements derived from projects or contracts gain time card flexibility in JD Edwards EnterpriseOne 9.0.

Accurately capturing labor time, paying for labor and billing for labor is a critical component of ensuring an organization's success because of the large financial and operational impact from labor costs. The HCM suite has been enhanced by

- Streamlining **Manager and Employee Self Service** allows employees to enter fewer time cards than previously required and providing both save or save and submit with electronic signature.

- New automated **labor re-class** eases the burden of correcting time/labor records in both Employee Self Service and professional payroll user.

These and other new features have been specifically designed for our Time and Labor and Payroll customers along compliance with contract terms and GCAS regulations.

Since complex project and government contracts require efficient and accurate labor, other steps and processes are included to drive accurate payroll, billing and accounting.

Release 9.0 Component Snapshot	
Component	Better payroll management with more options
Type	Enhancements to five existing modules
Suite	Human Capital Management
Industry	▶ U.S. government contractors (GCAS) ▶ Engineering and construction firms ▶ Any firm that needs project cost accounting ▶ Businesses that do contract billing ▶ Businesses managing time entry
Summary	Accurately, quickly and completely perform labor billing based on contract requirements.
Details	Table A.3

You benefit from release 9.0 enhancements for the JD Edwards EnterpriseOne Human Capital Management suite with:

- **Faster Time Entry** – Complete time entry faster and more accurately using streamlined Employee Self-Service time entry and Manager Self-Service review and approval steps;

- **More Accurate Payrolls** – Improve payroll and time reporting accuracy with out-of-the-box total time accounting capabilities;

- **Easier Time Correction** – Ease the burden of correcting time and labor entries with labor reclassification features

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Order Management

Improve Kit Processing in Sales Order Management Module

Kit Processing – With kit processing you group different products together and price them as a unit. However, your customers may require you to operationally pick, ship, and invoice kits as either the complete kit entity or by each individual kit component.

In release 9.0 you gain flexibility to increase your customer service capability to meet your customers' demands to manage kits as a unit or as individual components, while maintaining visibility and control of the whole kit.

Release 9.0 Component Snapshot	
Component	Kit processing and outbound consignments
Type	Existing module enhancements
Suite	Order Management
Industry	▶ Any firm that ships products ▶ Companies that kit orders
Summary	More order management options for kits and consignments improve sales opportunities.
Details	Table A.4

Supply Management (Procurement)

Procurement and Subcontracts Management Adds Additional Labor and Contract Management Detail for Improved Contract Compliance

Any company that issues purchase orders for service items benefits from enhancements in Procurement and Subcontracts Management in JD Edwards EnterpriseOne 9.0.

Companies are looking for better ways to track contract spend detail and ensure compliance of purchase orders expenses to contracts. Release 9.0 provides companies that are purchasing services or supplies expensed against an awarded contract to more accurately track contract related information from the contract to the purchase order and

Release 9.0 Component Snapshot	
Component	Services as a cost
Type	Enhancements to existing module
Suite	Supply Management (Procurement)
Industry	▶ U.S. government contractors (GCAS) ▶ Services based Industries
Summary	Better manage expenses and inventory with purchase order flexibility for services.
Details	Table A.5

through to Accounts Payable. This provides a complete audit trail of the contract information throughout the business process significantly improving compliance visibility. Examples of additional contract management flexibility included within the purchase order or accounts payable matching process include the identification of contract-specific labor categories, the vendor type (small business code), additional user defined fields attached to the PO Header, expensing AP retainage amounts to non-billable accounts, optional memo tracking of Purchase Order service units within AP matching, and the ability to allocate additional supplier invoice costs such as transportation charges back against the individual jobs or the detail line cost accounts.

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Manufacturing

Accurately Enter Complex Orders with Dynamic Configurator

Release 9.0 helps you facilitate entry of complex configurable-to-order items with a dynamic user interface. This enhancement greatly simplifies the configuration question and answer process providing a significantly more intuitive and efficient process for the sales or customer service representative entering the order

Release 9.0 Component Snapshot	
Component	Dynamic configuration
Type	Enhancements to existing module
Suite	Manufacturing
Industry	▶ Industrial Manufacturers who require Configure-to-Order (CTO) capabilities
Summary	Significant usability improvements with immediate user feedback during configuration entry.
Details	Table A.6

Configurator enhancements include additional price and cost calculation flexibility by allowing you to select against multiple dates on the sales order, work order, or purchase order to be compared against your pricing or costing rules. This greatly improves your customer service capability to define different options as to the date used to price the configured product, as well as greater date flexibility in determining your configured work order or purchase order cost. The benefit is increased customer service as well as improved cost and margin control.

Release 9.0 also provides the ability to specify whether a configured subassembly should be created as a work order or a configured purchase order. This increases user control in make or buy decisions in building the configured product.

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Food and Beverage Producers

Food and beverage producers improve productivity with release 9.0 enhancements in:

- **Grower Management** – A new Harvest Operation provides increased operational efficiency by allowing the scheduling and visibility to specific picking or cutting activities. An option was added to allow users to easily insert their own crop maturity date calculation which increases your expected pick date accuracy for your specific crop.

Release 9.0 Component Snapshot	
Component	Food and Beverage Producers modules
Type	Enhancements to three existing modules
Suite	Food and Beverage Producers
Industry	▶ Consumer packaged goods – food and beverage segment ▶ Farming and agricultural products producers including wineries and nurseries
Summary	Increase productivity with redesigned user screens, added existing data re-use, and more operational features.
Details	Table A.7

- **Grower Pricing and Payments** – Improved contract management efficiency with new contract mass update capabilities.

- **Blend Management** – Increase your production productivity through additional capabilities for blend operations including sample management, improved trial blending, and additive threshold management.

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Real Estate and Home Construction

Two traditional JD Edwards EnterpriseOne industry segments, commercial real estate and home construction, gain enhancements in release 9.0.

Accurately Distribute Costs with Expense Participation for Real Estate

Release 9.0 helps your real estate business address thinning profit margins with a focus on maximizing recovery of expenses from tenants using pro-rata share billing of expenses by:

Release 9.0 Component Snapshot	
Component	Real Estate and Home Construction modules
Type	Enhancements to existing modules
Suite	Real Estate and Home Construction
Industry	▶ Real estate management firms ▶ Homebuilders
Summary	Improve profit margins with added real estate property expenses, repetitive construction, and supplier discount management options
Details	Table A.8

1) With budgeted expenses, bill monthly estimated recovery amounts throughout a year;

2) Issue an annual adjustment billing using actual expenses.

Both JD Edward's EnterpriseOne Real Estate Management and Advanced Real Estate Forecasting modules eliminate manual processes for expense participation. This lets modeling capability for expense participation accurately reflect how you manage expenses. You also gain a more intuitive interface able to create and maintain expense participation classes with less effort and also handle the new complexities related to expense recovery. A total of 27 enhancements cover:

- Expense participation classes
- Caps
- Physical vs. economic occupancy

Lower Your Building Costs with Repetitive Homebuilder Construction

Repetitive construction firms keep costs down and margins up by increasing process efficiency and negotiating contracts with suppliers on a global basis to get the best pricing possible. JD Edwards EnterpriseOne 9.0 helps homebuilders meet their business goals with new industry enhancements.

In the repetitive construction business, keeping costs down by increasing process efficiency and negotiating contracts with suppliers on a more global basis to get the best pricing possible is a worthy focus as success translates into higher profits. In release 9.0, Homebuilder Management provides process efficiencies for repetitive construction and methods for leveraging supplier negotiated discounts via:

- **Vendor on the Fly -** Provide the ability to designate TBD (to be determined) vendors for takeoff contracts;

- **Enhanced Cost Allocations for the Closing Worksheet** - When closing a job, automatically move WIP (work in progress) amounts (including sub-ledgers for options) into the Cost of Sales accounts;

- **National Purchasing** - Ability to leverage national purchasing agreements by being able to designate suppliers (along with their costs) at a level other than at the area, community or phase.

Integrations to Other Oracle Solutions

Oracle Transportation Management

Oracle Transportation Management provides transportation planning and execution capabilities to shippers and third party logistics providers. OTM globally integrates and streamlines transportation planning, execution, freight payment, and business process automation on a single application across all modes of transportation, from full truckload to complex multi-leg air, ocean, and rail shipments.

With release 9.0 the Oracle Transportation Management (G-Log) integration to JD Edwards EnterpriseOne has been enhanced to provide a fully interactive rate shopping capability that presents different route and rate options to your sales or customer service representatives (CSR) during order entry. The CSR can then choose the route and rate selected by your customer.

Release 9.0 Component Snapshot	
Component	Rating and Routing Integration
Type	Integration to Other Oracle Products
Suite	(not applicable)
Industry	▶ Logistics service providers ▶ Retail and wholesale distributors ▶ Discrete manufacturing
Summary	Higher margins and better customer service with more integrated routing and rate options.
Details	Table A.9

Enhancements delivered with release 9.0 add to integration functionality delivered with JD Edwards EnterpriseOne releases 8.11 SP1 and 8.12.

Oracle Business Intelligence Applications

Oracle Business Intelligence (BI) Applications are complete, pre-built BI solutions that deliver intuitive, role-based intelligence for your entire organization — from front line employees to senior management. Oracle Business Intelligence Applications are derived from industry best practices and let you gain greater insight into a range of data sources and applications including Oracle E-Business Suite, PeopleSoft, Siebel and third party systems such as SAP.

To make Oracle BI Applications available to JD Edwards EnterpriseOne customers, a pre-built JD Edwards EnterpriseOne adapter is planned to provide packaged BI applications for releases 8.12 and 9.0. The first Oracle BI applications planned for JD Edwards EnterpriseOne are:

1) Oracle Financial Analytics

2) Oracle Order Management and Fulfillment Analytics

Oracle BI Applications are built on Oracle BI Enterprise Edition (OBIEE), a comprehensive and leading BI platform. This approach lets you realize the value of a packaged BI application, such as rapid deployment, lower TCO, and built-in best practices, while also providing the ability to extend these solutions to meet your specific needs, or permitting construction of completely custom BI applications using a common BI foundation.

OBIEE supports all current JD Edwards EnterpriseOne database options including Oracle, Microsoft SQL Server, and IBM DB2.

Pre-built Adapter for JD Edwards

The pre-built adapter for JD Edwards EnterpriseOne will let you implement BI applications quickly with less risk and at a fraction of the cost of building from scratch so that you can focus on your business objectives. Tight integration between JD Edwards EnterpriseOne and Oracle BI Applications will generate lower TCO with respect to:

- Reuse of setup and configurations;
- Security;
- Maintenance, and,
- Upgrades

Oracle BI Applications built with Oracle BI Enterprise Edition are planned for JD Edwards EnterpriseOne.

Plans for the first two Oracle BI Applications for JD Edwards EnterpriseOne include Financial Analytics, and Order Management and Fulfillment Analytics.

JD Edwards EnterpriseOne three database options are supported by OBIEE.

Oracle Financial Analytics

Oracle Financial Analytics, a part of the Oracle BI applications family, is the first Oracle BI Application planned for JD Edwards EnterpriseOne 8.12 and 9.0. It will be extended to cover a robust set of cross business analyses that exist as part of the Oracle BI Applications product today.

Oracle Financial Analytics (see screen image in Figure 3) gives you visibility into factors that drive revenues, costs, and shareholder value through timely financial information tailored to executives, managers, and front-line employees so that you can better meet your daily business challenges.

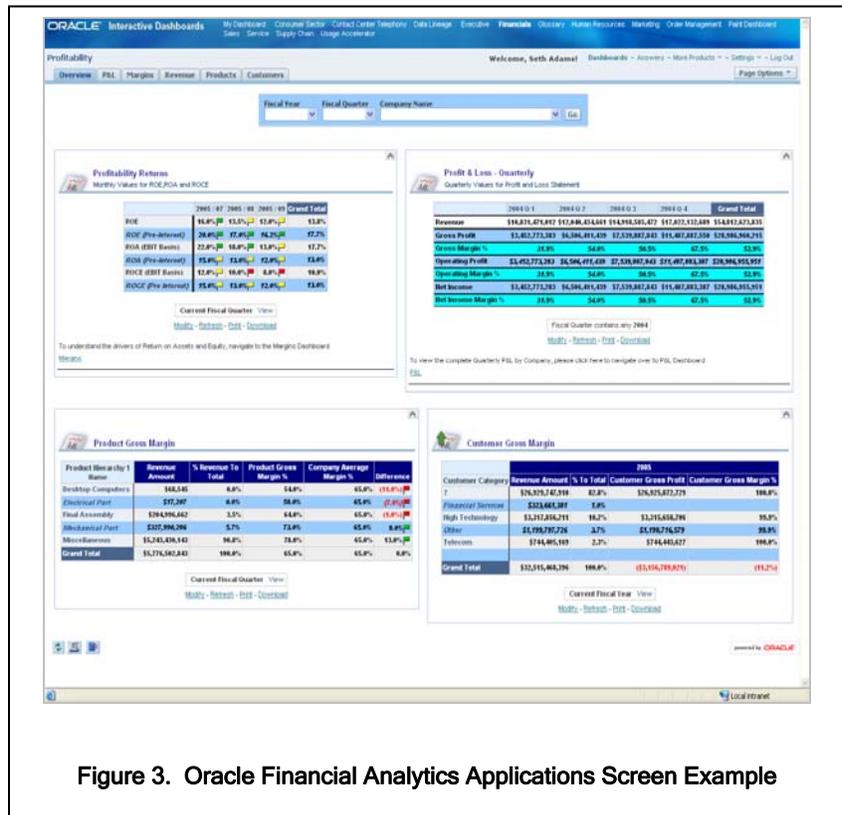| Release 9.0 Component Snapshot	
Component	Oracle Financial Analytics
Type	Adapter to Oracle BI Applications
Suite	(not applicable)
Industry	▶ All industries
Summary	One of the first Oracle BI applications planned for JD Edwards EnterpriseOne; focused on financial analytics
Details	(none)

Figure 3. Oracle Financial Analytics Applications Screen Example

Oracle Order Management and Fulfillment Analytics

Oracle Order Management and Fulfillment Analytics is another BI application planned for release 8.12 and 9.0 customers (see figure 4); it will be extended to cover a broad set of cross-business analyses that are part of Oracle BI Applications today.

Since all companies have to grow revenues while holding costs down, money has to be spent effectively and efficiently on efforts to market, acquire, sell to,

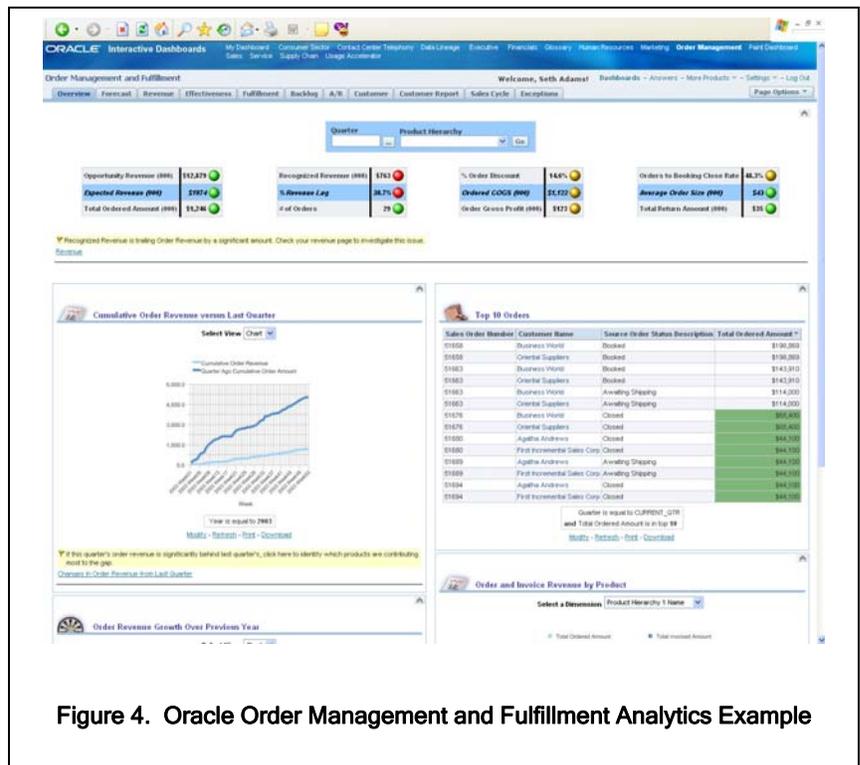| Release 9.0 Component Snapshot	
Component	Oracle Order Management and Fulfillment Analytics
Type	Adapter to Oracle BI Applications
Suite	(not applicable)
Industry	▶ All industries
Summary	One of the first Oracle BI applications planned for JD Edwards EnterpriseOne; focused on order management and fulfillment analytics
Details	(none)

and service customers, along with all other daily business operations. Oracle Order Management and Fulfillment Analytics will provide timely, actionable information for operational decisions that support revenue and profitability target goals.

Figure 4. Oracle Order Management and Fulfillment Analytics Example

Oracle Business Accelerators for JD Edwards EnterpriseOne

Updated Oracle Business Accelerators

Oracle Business Accelerators are implementation tools for specific industries and regions that contain questionnaires, configuration and various assets to aid in the rapid, predictable, and enduring implementations of the JD Edwards EnterpriseOne system.

As companies leverage ERP systems as a strategic asset to gain a competitive edge, you have to consider many factors to ensure the best solution for your specific needs. Besides product functionality richness and architectural flexibility, you need to consider the overall cost of any ERP solution and its ability to adapt to changing business requirements.

Release 9.0 Component Snapshot	
Component	Oracle Business Accelerators for JD Edwards EnterpriseOne
Type	Accelerators and associated CDK updates
Suite	(not applicable)
Industry	▶ All
Summary	Updates keep Oracle Business Accelerators current with release 9.0 for all partner and customer projects across industries
Details	Table A.10

Oracle Business Accelerators for JD Edwards EnterpriseOne give you tools to reduce the time, cost, and effort to implement JD Edwards EnterpriseOne. Oracle Business Accelerators enable fast and predictable implementations while providing a solid foundation for enduring value and future growth.

Release 9.0 updates JD Edwards EnterpriseOne Oracle Business Accelerators with:

- **Extended task views (menus)** – Provide role-based access to additional applications such as online inquiries to enable individuals to successfully carryout their job responsibilities.

- **Updated end user documentation** – Provides true end-user documentation to support the user as they learn how to best interact with the system by providing step by step instructions for entering transactions such as Accounts Payable vouchers.

- **Updated questionnaire wizards** – Enable better capturing of process requirements (e.g. whether tolerance checking is required in the procurement process) to ensure the resulting configured instance closely aligns with a customer's needs.

- **Upgraded configured foundation** – Aligns the data model being delivered with release 9.0 for optimized deployment performance.

- **Streamlined installation processes** – Maximizes the efficiency of the JD Edwards EnterpriseOne and Oracle Business Accelerator installation process by eliminating manual, post-installation steps.

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Updated Configuration Development Kit (CDK)

CDK provides many tools applicable to a range of functions and tasks for implementation and maintenance of your JD Edwards EnterpriseOne system including on-going system administration and global or multi-instance rollouts.

Business Accelerators can be leveraged across industries and regions for new implementations as well as for global or multi-instance rollouts. The tools used to build Business Accelerators (the Configuration Development Kit) provide general value for any implementation and are also beneficial for system administration.

JD Edwards uses a strategy of making the same set of tools it uses to build Business Accelerators available to you. Configuration Development Kit lets you build Business Accelerators the same way Oracle does and lets you benefit from the efficiencies they bring to system administration and multi-instance rollouts.

Release 9.0 adds these improvements to the Configuration Development Kit:

- **Improved System Administration** – Permits extraction and packaging of *Public* security setup.

- **Streamlined Creation of Configuration Data** – Leverage spreadsheets to create configuration data such as the Automatic Accounting Instructions; task views, roles and security; reduce the effort to create these components.

- **Enhanced Business Accelerator Creation** – Create questionnaire wizards that capture implementation requirements, mask implementation complexity and update the JD Edwards EnterpriseOne instance.

- **Updated Configuration Assistant Queries** – Benefit from updated queries to quickly extract setups (including new setups in release 9.0) from a configured instance of JD Edwards EnterpriseOne.

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Table A.1 – Project Management Summary

<table>
<tr><td>

Project and
Government
Contract
Accounting
(new module)

</td><td>

- **Complex Contracts**
  - Manage complex contracts using top-down set-up and control of hierarchical contract structures
  - Improve cash flow with flexible support for simple to complex contracts using unlimited invoicing formats
  - Improve customer satisfaction and contract compliance by tracking all changes to a contract
  - Simplify level-of-effort during contract restructuring with automatic adjustments (e.g. limits, amounts)
- **Contract Value –** Accurately track contract awards for additional amounts. Awarded and funded amounts are tracked by cost, fee, and award fee.
- **Contract Invoicing**
  - Improve invoice production submittals
  - Control revenue recognition independent from invoicing limits
  - Restrict invoicing and revenue based on period of performance (POP) dates
- **Retention Methods –** Increase contract management flexibility with control retention method assignment across any funding level in the contract. Methods include retention on fee only, retention on total cost, and retention on type of cost.
- **Billing Methods –** Improve payment flexibility using additional billing methods
- **Fee Methods –** Collect income accurately using robust fee calculation methods, including *fixed percentage of cost*, *variable percentage of cost* (i.e., defined by groupings of accounts), *percentage (fixed or variable) of hours* (all or technical), *percentage of LOE overall*, *contract-specific labor categories*, or *flat fee per invoice*.
- **Invoice Formatting –** Improve revenue collection using multiple configurable invoice formats. Summarize invoices using options: by billing line, labor, material, subcontract work, travel. Invoice choices let you display burdens, discounts, taxes, retainage, subtotals and excess amounts
- **Contract-Specific Labor Categories**
  - Improve contract management by cross-referencing, tracking, reporting and invoicing labor categories per contract terms
  - Use contract-specific labor categories as external job titles for non-government contracting invoices

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Table A.1 – Project Management Summary		
	▪ **ACRN** (Accounting Classification Reference Number)	
	▪ Manage and track your client's funding sources associated with a contract	
	▪ Use multiple methods for calculating funding depletion for ACRNs at funding levels within your contract	
	▪ Create government invoices on ACRN depletion	
Contract and Service Billing (module enhancements)	▪ Control independent invoicing and revenue recognition per company	
	▪ Increase invoice flexibility with cost plus billing lines	
	▪ Increase your revenue using:	
	▪ Additional revenue calculation methods	
	▪ Additional fee calculation methods	
	▪ More than 999 billing lines per contract	
	▪ Calculate burden rates using an employee's home business unit or the charged business unit	
	▪ Improve enterprise-wide contract compliance with better visibility and control of provisional and target burden rates	
Project Costing (module enhancements)	▪ Control costs by tying a specific job to funding level	
	▪ Properly distribute indirect costs to appropriate contracts and identify job burden as direct or indirect	
	▪ Identify jobs in targeted allocations	
	▪ Restrict adjustment-only transactions for a job for re-burdening and allocation transactions	
	▪ Improve data completeness by designating required address book fields	
	▪ Gain job costing flexibility with additional category codes and address book fields	
	▪ Identify costs for a job as FAR unallowable	

Table A.2 – Financial Management Enhancements Summary	
Allocations	■ Expanded data selection for source and basic ■ Expanded destination and offset account criteria ■ Execute burdening-based allocations that includes data selection over employee and job pool grouping codes
Data Relationships	■ Define how one piece of information relates to another piece of information; ■ Define default values based on initial information provided; ■ Control which pieces of information cannot be changed; ■ Globally update existing business units, jobs and contracts when changes are made to data rules; **Example –** For Business Unit Master, Category Code 01 is setup as city, Category Code 02 is setup as state, Category Code 06 is setup as region and Category Code 09 is setup as continent. The data relationship rules can be setup so that when DEN is entered in Category Code 01 for the city, the other Category Codes automatically get populated with the correct information (see Figure 2)
Expense Management	■ Distribute an expense line to a billable account up to the per diem or allowable amount and distribute the remainder to a non-billable account (for government unallowable expenses); ■ Define allowable limits for various types of expenses; ■ Permit auditing of existing expense amounts and approvals; ■ Workflow mechanism facilitates escalations, distribution lists, and change management.
General Ledger	■ Easily identify business unit to be included in targeted allocations; ■ Change a business unit to accept adjusting entries only for re-burdening and allocation transactions; ■ Change an account to accept adjusting entries only; **Example** – Accept adjusting entries for re-burdening and allocation transactions ■ Designate various address book fields to be required; ■ Additional category codes and address book fields; ■ Identify costs for a business unit as FAR un-allowable (for government contracts).

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Table A.3 – Human Capital Management Summary	
Component Pay	▪ Improve payroll and billing accuracy by establishing rules to link a base pay type to additional pay types; ▪ Automatically generate time cards for each related component pay types when base pay type is entered; ▪ Reduce time card entry effort when your contracts require multiple lines of detail to capture pay components for total pay; ▪ Gain flexibility using unique attributes for each pay component type's pay rate and accounting instructions using your defined rule set.
Labor Distribution Periods	▪ Capture labor based on alignment to billing cycles without regard to the employees' payroll frequency by defining a date range pattern for time entry separate and distinct from your payroll period. Employers now select the ESS daily time entry formats (before release 9.0 the format for ESS was the daily time entry screen based on pay period); ▪ Support contracts, especially from the U.S. government, requiring time entry in real time using optional controls to prohibit future time entry, excluding requests for future paid time off; ▪ Improve billing and reporting purposes using specific external job codes and descriptions related a contract; ▪ Improve daily time capture by allowing employees through ESS to save their time entry without automatic submittal for approval. Managers review their employees' time entry at any point during a time entry cycle but approve or reject after their employees submit time cards for approval; ▪ Meet electronic signature requirements by letting employees electronically sign their time card during submission for manager approval.
Total Time Accounting	▪ Generate accurate salaried employee payrolls while capturing actual hours worked for billing and cost purposes while paying correct salaries regardless of the hours submitted.
Time Card Corrections	▪ Keep employee time cards accurate using an automated method to correct labor entries during any point in a time card's life cycle – including all historical labor records; ▪ Improve your ability to make time card corrections; ▪ Protect your billed labor income claims by maintaining a legal audit throughout your contract system.

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Table A.4 – Order Management Summary	
Kit Processing (Sales Order Management)	- **Component Level Processing** – Users control kit components by working with the components of kits as individual items. Manage backorders and releases on individual components, ship confirm individual components and invoice for the components you ship to your customers. Use lot or serial number control on individual components and maintain visibility into kit components to ship. - **Component Substitution** – Replace one item with another as needed. Leverage existing configurations and perform these substitutions at the component level .Deal with stock outs, obsolete and use up component items. - **Kits on Blanket and Quote Orders** – Let customers purchase specific quantities of selected kit components at a set price. Release pre-selected kits to a sales order or multiple sales orders over time per customer agreement.

Table A.5 – Supply Management (Procurement) Summary	
Procurement and Subcontracts Management	- Post subcontractor retention to non-billable accounts; - Control when subcontractor costs are expensed; - Designate billing of contract-specific labor category subcontractor charges; - Spread freight costs across jobs or expensed line items; - Enter units on an expensed purchase order for informational purposes only without validating any value.

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Table A.6 – Manufacturing Summary	
Dynamic Configurator	▪ Improved user experience with immediate feedback during configuration entry. After a configuration question is answered only valid options are presented for selection for the next question. ▪ Reference any segment from any rule, including derived calculations, because of removal of the assembly inclusion rule's downward referencing restriction. ▪ Increase configuration flexibility by setting rules based on any segment through "Configured Item Alias" ▪ Improve order accuracy with message center lets users see the status of their order at a glance. (Available for dynamic and non-dynamic configuration users) ▪ Improve configuration accuracy with segment-to-segment comparison using rules based on the value of one segment compared to another. **Example** – If segment 10 is greater than segment 20, include item Y.
Component Purchase Order	▪ Allows users the ability to create a PO for a component at the time of order entry. A new transaction type can be placed on an Assembly Inclusion Rule to generate a Purchase Order for that item. This Assembly Inclusion Rule can condition creation of a purchase order and the supplier for that purchase order.
Price and Cost Adjustment Based on Date	▪ Users decide which specific date on a sales order, work order and purchase order is compared to the price and cost effectivity dates. After a user originates a configured order from each entry point the appropriate date is used to compare to the effectivity date.

Price and Cost Adjustment Functionality Based on Date			
Date Type	Sales Order	Purchase Order	Work Order
Requested date *(default)*	✳	✳	✳
Transaction/order date	✳	✳	✳
Scheduled pick date	✳		
Price effective date	✳	✳	
System date	✳	✳	✳
Promised delivery date		✳	
Original promised date		✳	
Planned effective			✳

Page 25
JD Edwards EnterpriseOne ▪ Statement of Direction ▪ Applications Release 9.0
Revised April 2008 ▪ Revision A

Table A.7 – Food and Beverage Producers Summary	
Grower Management	■ **Manage Harvesting Operations** – Increased visibility to better plan your harvesting/picking operations to ensure crops are harvested in a timely manner and associated resources have been identified; ■ **User-Defined Maturity Date Calculation** – Improved flexibility over anticipated maturity dates by creating your own custom programs for calculating maturity date that is specific to your crop or region. Associate your custom programs to the appropriate grower blocks and maturity dates can be calculated as desired; ■ **Weigh Tag Speed Actuals** – Quickly capture weigh tag information including associated quality test results.
Grower Pricing and Payments	■ **Contract Mass Update** – Define one or more attributes to be mass maintained and run a batch program to update select contracts. Identify which profile to use and your contracts update automatically without individually maintaining each contract.
Blend Management	■ **Sample Management** – Manage sampling requirements including sample size, container, instructions and the ability to reuse samples for more than one quality tests to gain visibility and control over the sampling process; ■ **Additive Threshold Checking** – Effectively manage the limits of active ingredients found within an additive. Apply limits at the operation level or over the cumulative life of the blend lot; ■ **Retain Lot Attributes** – Retain user overrides of lot attributes when making a new vessel assignment or swapping out vessels; ■ **Administrative Operations User Interface** – Reduce keystrokes with an improved user interface for administrative operations to permit adjustments to key lot attributes from the main page; ■ **Operation Clipboard** – Reduce repetitive data entry tasks using saved key information for re-use in other operations; ■ **Trial Blend Test Results** – Simulate blending, capture results, and compare results of various theoretical trial blend operations.

Table A.8 – Real Estate and Home Construction Summary

Real Estate Management and Advanced Real Estate Forecasting	▪ **Ability to Handle Caps** – Define and assign cap rules and limits at account and lease levels;
	
	▪ **Distinguish Between Physical and Economic Occupancy –** Automate calculating recoveries and minimize manual calculations using occupancy functionality to distinguish between physical and economic occupancy when running recovery calculations using appropriate area values;
	
	▪ **Gross Up Processing** – Gross up processing includes leased but not occupied space (which is treated as vacant space) and tenant exclusions when determining occupancy values for gross up calculations;
	
	▪ **Expense Participation Classes** – Improved expense participation classes. Users handle expenses related to expense participation classes including:
	  ▪ Grouping buildings
	  ▪ Defining administration fees for a class
	  ▪ Values for range of accounts instead of single account
	  ▪ Class adjustments and account overrides
	  ▪ More than two ledger types
	  ▪ Lease-level adjustments
	
	▪ **Improved Accuracy for Expense Participation Calculation Generation –** Calculate a tenant's share of expenses in the expense participation calculation generation process.

Home Construction	▪ **Vendor-on-the-Fly** –Designate TBD (to be determined) vendors for takeoff contracts; ▪ **Cost Allocations for Closing Worksheet** – When closing a job automatically move Work in Progress (WIP) amounts (including sub-ledgers for options) into cost of sales accounts. Adjust revised budget and projected final amounts for jobs; ▪ **National Purchasing –** Leverage national purchasing agreements by designating suppliers (and their costs) at a level beside *area*, *community* or *phase*. Provide cross reference of items in national purchasing agreements.

Table A.9 – Integrations to Other Oracle Products Summary	
Oracle Transportation Management	▪ **Real Time Rating Inquiry** – Interactively request shipping rates and routes within Oracle Transportation Management for JD Edwards EnterpriseOne sales order lines and groups of sales order lines;
	▪ **Rate Shopping** – Retrieve desired shopping selections from Oracle Transportation Management. The carrier and mode of transport selected within Oracle Transportation Management populates a JD Edwards EnterpriseOne sales order and goes back to Oracle Transportation Management for additional transportation processing;
	▪ **Review Rate and Routing Selections –** Re-inquire on any JD Edwards EnterpriseOne sales order after it has been entered and modify the selected rate and route options.

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Table A.10 – Oracle Business Accelerators for JD Edwards EnterpriseOne	
Oracle Business Accelerators Update	▪ **Improved User Role and Security Setup** – Users can access the applications they need to carryout their job tasks while restricting accessing to those that they should not execute. ▪ **Improved System Administration** – Permits extraction and packaging of *Public security setup. ▪ **Streamlined Creation of Configuration Data** – Leverage spreadsheets to create configuration data such as the Automatic Accounting Instructions; task views, roles and security; reduce the effort to create these components. ▪ **Enhanced Business Accelerator Creation** – Create questionnaire wizards that capture implementation requirements, mask implementation complexity and update the JD Edwards EnterpriseOne instance. ▪ **Updated Configuration Assistant Queries** – Benefit from updated queries to quickly extract setups (including new setups in release 9.0) from a configured instance of JD Edwards EnterpriseOne.
Configuration Development Kit (CDK) Tools Update	▪ **Improved System Administration** – Permits extraction and packaging of *Public security setup. ▪ **Streamlined Creation of Configuration Data** – Leverage spreadsheets to create configuration data such as the Automatic Accounting Instructions; task views, roles and security; reduce the effort to create these components. ▪ **Enhanced Business Accelerator Creation** – Create questionnaire wizards that capture implementation requirements, mask implementation complexity and update the JD Edwards EnterpriseOne instance. ▪ **Updated Configuration Assistant Queries** – Benefit from updated queries to quickly extract setups (including new setups in release 9.0) from a configured instance of JD Edwards EnterpriseOne.

Index

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