

# JD Edwards EnterpriseOne: Governance, Risk, and Compliance

Solutions for Sarbanes-Oxley and Other Compliance  
Requirements

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## Executive Overview

In the aftermath of well-publicized failures of corporate control, governments and independent standards bodies are imposing stringent governance, risk, and compliance (GRC) requirements that cover financial reporting, data security, records retention, risk management, and more. No one expects that this is the end of new industry and legislative requirements; therefore, business executives continue to struggle with questions, such as.

- » How can we stay on top of regulatory demands while controlling costs?
- » Can we better manage risk to prevent business and compliance failures?
- » How do we achieve better performance while ensuring accountability and integrity?

Business executives look to their ERP software to help answer these questions. This white paper shows how Oracle and JD Edwards EnterpriseOne can help.

## Introduction

There are many factors that have increased the need for organizations worldwide to ensure that they are able to comply with and demonstrate that they are adhering to ethical business practices. There are many pressures from shareholders, corporate boards, and other stakeholders. Regulations such as the Sarbanes-Oxley Act of 2002, the Health Insurance Portability and Accountability Act of 1996 (HIPA), the Food and Drug Administration 21 CFR Part 11, the European Data Privacy Directive, and the European Commission's Model Requirements for the Management of Electronic Records now require organizations to understand, document, and comply with strong corporate governance practices and a business code of ethics.

Gaining compliance with any type of regulation can be a difficult process. Oracle and JD Edwards EnterpriseOne provides the tools and technology that help organizations meet these requirements and allows them to put in place solid business practices to help ensure compliance. Having strong corporate governance not only helps organizations meet regulatory requirements, it also improves the effectiveness of the organization which leads to less risk, greater stability, and high profits.

## Governance, Risk, and Compliance

The goal of implementing a system for governance, risk, and compliance is to ensure long-term best operational practices and consistent corporate performance management. Even though companies are not required to use any one particular type of control system, a majority of auditing and accounting firms are advising companies to adopt the broader definition of internal controls outlined by the Committee of Sponsoring Organizations of the Treadway Commission (COSO). The committee expanded the definition of internal controls to include financial, operational, and regulatory controls.

Called the COSO Framework, the system is an example of an ideal internal control system, one that can be tailored to meet companies' specific business requirements and assist in the evaluation of their control systems. The COSO Framework is based on five components, all linked together in an integrated system:

- » Risk assessment. The evaluation of factors that affect an organization's risk, including operating, financial, regulatory, and compliance.
- » Control environment. An environment that supports an internal control system by providing discipline and structure.
- » Control activities. Policies and procedures that ensure that actions identified to manage risk are executed in a timely manner.
- » Information and communications. The processes that ensure that relevant information is identified and communicated in a timely manner.
- » Monitoring. The oversight of internal controls by management and parties outside the process.



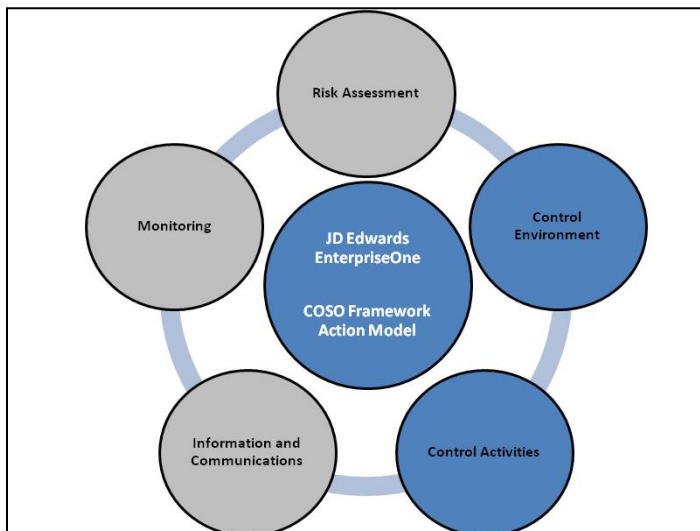
The five components of the COSO Framework.

## Building an Effective Control System

Companies are well aware of the challenges they face in developing effective programs that will ensure compliance. So what does it take to build an effective compliance program, one that leverages the COSO Framework? An effective system should consist of four major requirements:

- » Systems-based internal controls
- » Automated processes
- » Consistent documentation
- » Ongoing control and monitoring

### Requirement #1: Systems-Based Internal Controls



The COSO Framework suggests that companies put into place both an environment that supports internal controls as well as a system of automated controls. Doing so helps companies manage their risk and minimize their level of exposure.

## The JD Edwards EnterpriseOne Solution

JD Edwards EnterpriseOne is a fully integrated system that captures all information related to a transaction and allows the transaction to effectively flow through the system. An example of this is a Sales Order; when entered, it triggers the shipment of the product; when the product ships, it triggers the processes to update Inventory, Accounts Receivable, and the General Ledger. Each step in the process provides the ability to apply controls to ensure the process completes successfully without the risk of deviation from the standard process. Some of these built-in controls include integrated postings to the general ledger, system constants, processing options, order activity rules, applications security, integrity reports, and on-demand audits.

Other examples of Systems Based internal controls within JD Edwards EnterpriseOne are listed below:

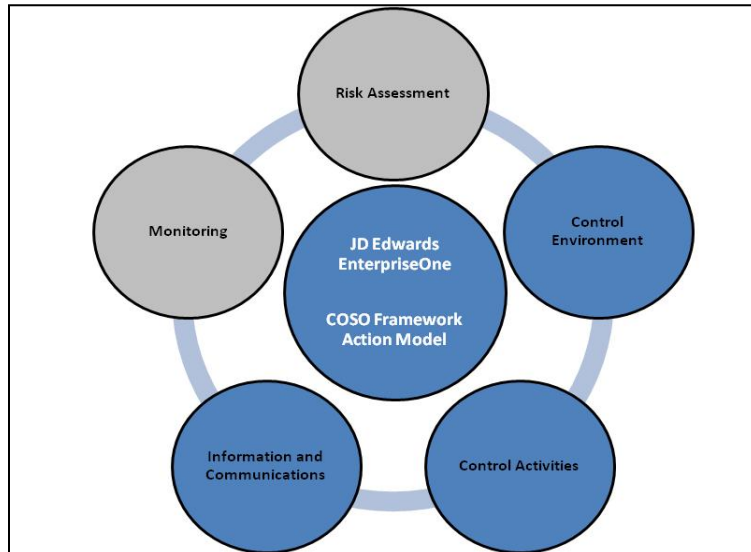
<u>Application Level</u>	<u>System Level</u>
Integrated Postings to G/L	Application Security
Automatic Accounting Instructions	Action Code Security
Valid Account Edit	Row and Column Security
Data Relationships	Business Unit Security
Batch Approvals	Attachment Security
Hierarchical Approval Routing	Processing Options
Built-in Balancing Controls	Version Control
Batch Controls	One View Reporting Security
Payee Control	Data Privacy
Order Activity Rules	Data Change Tracker
Budget Expenditure Approval	One View Watchlists
Expense Policies	Foundation Calendar
Positive Pay	Security Reporting
Credit Limits	Workflow
Integrity Reports	Workflow Delegation
On-Demand Audit Trails	Web Service Security
System Constants	
Desktop Access to Financial and Compliance Data	

JD Edwards EnterpriseOne Features for Systems-Based Internal Controls

<u>Available Features</u>
GRC Controls - Configuration Controls Governor – Application Configuration
GRC Controls - Application Access Controls Governor – SOD & Access
GRC Controls - Transaction Controls Governor – Transaction Monitoring

Oracle Governance, Risk, and Compliance Management Features for Systems-Based Internal Controls

## Requirement #2: Automated Processes



Processes dictate how work is performed in an organization and how data flows through it. Companies have many processes. Some may be well documented and others may be in people's heads. Some processes should exist but simply don't. Compliance has created both a challenge and an opportunity by requiring that all processes related to financial reporting and organizational performance be documented and followed.

How do companies meet this challenge? They use automated processes. By automating processes, companies are better able to ensure that work is performed consistently. Even more importantly, these processes standardize the flow of information in the organization, minimizing the risk of improprieties or fraud. Process automation also helps companies adhere to many of the suggestions made in the COSO Framework. It allows companies to create an environment that supports discipline and structure, minimize risk by limiting unauthorized access to data, and enable the documentation and communication of all enterprise processes.

### **The JD Edwards EnterpriseOne Solution**

The first step in automating processes is to understand them. JD Edwards EnterpriseOne offers workflow management functionality for the paper-based tasks that typically beleaguer attempts to automate processes. Workflow enables an organization to implement any type of audit control it deems necessary by using user-defined rules, routes, and roles. Companies can use workflow to automate business processes by establishing how tasks are passed from one employee to another for action. For example, companies can automate a high volume, formerly paper-based process—such as credit approval—into an email-based process. Workflow management can be used anywhere in the organization in and between any JD Edwards EnterpriseOne application. The result is an automated and efficient process with minimal user involvement, allowing companies to automate and streamline their business processes, increase efficiencies, and reduce processing time.



Other examples of Automated Process controls within JD Edwards EnterpriseOne are listed below.

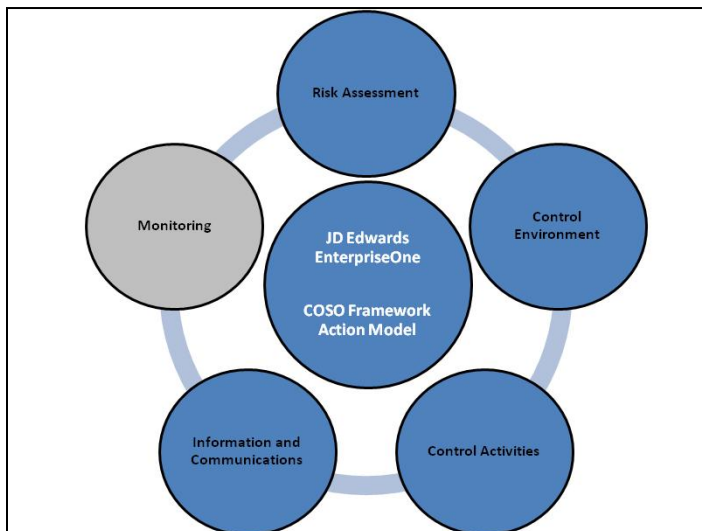
<u>Application Level</u>	<u>System Level</u>
Integrated Postings to G/L	Processing Options
Automatic Accounting Instructions	Workflow
Data Relationships	Workflow Delegation
Order Activity Rules	

JD Edwards EnterpriseOne Features for Automated Processes

<u>Available Features</u>
GRC Intelligence – GRC Reporting & Analysis
GRC Controls - Application Access Controls Governor – SOD & Access

Oracle Governance, Risk, and Compliance Management Features for Automated Processes

### Requirement #3: Consistent Documentation



Documentation is a key component of any type of compliance program. In particular, Section 404 of Sarbanes-Oxley requires companies to have external auditors issue an opinion on internal controls. This requires clear documentation that describes the company's internal controls that auditors can review regularly. In addition, information generated about internal controls can be used for ongoing and regular risk assessments, an important part of the COSO Framework. With accurate documentation, companies are able to more easily evaluate the factors that may affect their level of risk and analyze the potential impact of this risk keeping them from meeting their objectives. They can also determine acceptable levels of risk for their organization and create the basis for how these risks should be managed.

Documentation can also be redeployed as training materials to raise employees' consciousness of internal controls, create awareness of ethical concerns, and validate their understanding of processes, policies, and procedures. This sharing of information helps companies to continuously develop an environment that supports internal controls. With all these documentation needs, it is vital that companies have a way of ensuring that all information they publish is consistent and comprehensive.

## The JD Edwards EnterpriseOne Solution

JD Edwards EnterpriseOne standard implementation guides come pre-populated with more than 630 business processes based on industry best practices. These processes can be modified to fit a company's unique way of doing business. Utilizing the User Productivity Kit pre-built content along with the implementation guides will give your organization all it needs to ensure proper and consistent documentation of processes. The software breaks down content into units of information, which can then be used in any number of documents throughout the organization, such as reports, training manuals, or presentations. With JD Edwards EnterpriseOne's Composite Application Framework, documentation such as UPK and Implementation Guide content can be presented to the user while they are performing their task. The content can be context sensitive based upon the application they are using. This pushes the content to the user, rather than the user having to locate it elsewhere.

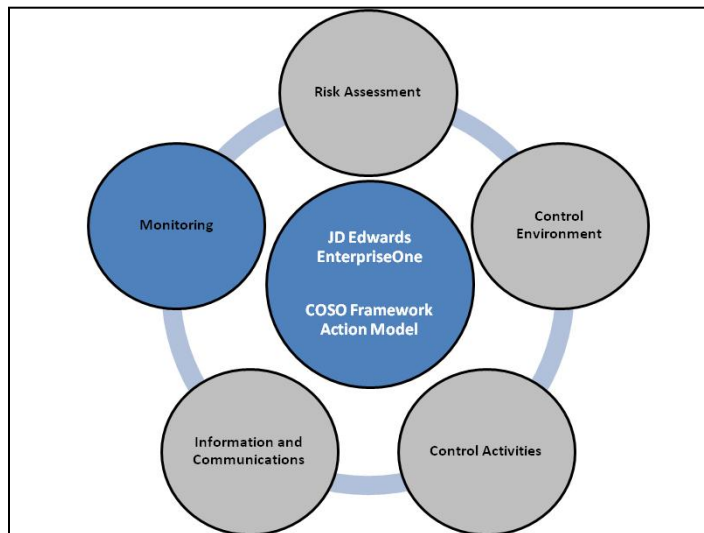
Available Documentation
JD Edwards Implementation Guides
User Productivity Kit – Pre-built content
Composite Application Framework – deliver context sensitive documentation

JD Edwards EnterpriseOne Features for Consistent Documentation

Available Features
Enterprise GRC Manager: Risk and Compliance Process
GRC Controls - Application Access Controls Governor – SOD & Access
GRC Controls - Configuration Controls Governor – Application Configuration

Oracle Governance, Risk, and Compliance Management Features for Consistent Documentation

### Requirement #4: Ongoing Control and Monitoring



Compliance requires a long-term commitment. This means that companies must have the processes and tools in place to continually meet compliance and regulatory requirements that may impact their business. It is important to be able to engage in real-time monitoring of internal operations. With real-time monitoring, companies are better able to respond to changing business and market conditions and take corrective action at the appropriate time. The COSO Framework makes monitoring a key component of a company's internal control system. The COSO Framework suggests that companies engage in continuous, regular monitoring of their operations. Good monitoring programs should include protocols and processes for capturing, reporting, and following up on deficiencies.

**The JD Edwards EnterpriseOne Solution**

The JD Edwards EnterpriseOne One View Reporting and One View Watchlists can be very useful in monitoring transactions. Each organization can create queries to drive reports and One View Watchlists over operational data based upon their specific needs. With One View Reporting, reports can be displayed in your user's home page that drive them to the information they need to review, rather than having to specifically go look for issues. Similarly, One View Watchlists provide a simple yet powerful pro-active awareness of transactions that meet user defined conditions. These counts can have thresholds to provide a quick color indication when something needs to be looked at immediately. Other useful tools to provide a means to monitor data within the system are Health and Safety Incident Management, built in integrity reports, and the Data Change Tracker (21 CFR 11).

<u>Available Features</u>
One View Watchlists
Integrity Reports
One View Reporting
Data Change Tracker
Health & Safety Incident Management

JD Edwards EnterpriseOne Features for Ongoing Control and Monitoring

<u>Available Features</u>
GRC Controls - Configuration Controls Governor – Application Configuration
GRC Controls - Transaction Controls Governor – Transaction Monitoring
GRC Intelligence – GRC Reporting & Analysis

Oracle Governance, Risk, and Compliance Management Features for Ongoing Control and Monitoring



## JD Edwards EnterpriseOne Feature Descriptions

This section provides additional information on each of the features identified as an available feature to assist with your compliance process and goals.

### Action Code Security

Action code security works hand in hand with Application Security. It can allow a user to query on a transaction but not change it or add a new one.

### Application Security

Arguably one of the most important areas of internal controls, application security plays a key role in enforcing segregation of duties and therefore preventing fraud. For example, it ensures that the person who creates a purchase order requisition will not be allowed to also approve the requisition.

### Attachment Security

When adding attachments (aka media object) to a transaction, the attachments are often a supporting document that should never be changed, even by the person who originally attached it. This enhancement allows an attachment to be permanently attached, preventing modification or deletion after the transaction is committed.

### Automatic Accounting Instructions

Automatic Accounting Instructions work with the integrated postings to G/L by providing a way to default the account to be used when the system automatically creates journal entries for a transaction. This ensures that the proper accounts are used when transactions such as inventory or sales orders are processed.

### Batch Approvals

Requiring batches to be approved prior to posting ensures that fraudulent transactions cannot be pushed through the system.

### Batch Controls

Batch controls ensure that batches are entered in-balance and are accurate based upon the source documents.

### Budget Expenditure Approval

This feature ensures that transactions that will exceed a budget are properly approved prior to being processed further in the system.

### Built-in Balancing Controls

This feature gives the control to determine whether batches can be posted out of balance.

### Business Unit Security

Business Unit Security ensures that users only have access to data within their business units. This prevents unauthorized access to data.



## Credit Limits

Credit Limits can be set up for all customers. These limits will be checked during the entry of new sales orders. If the limit has been exceeded, new sales orders will be placed on hold pending review of the credit limit and the orders on hold. These limits are controlled within the Customer Master and have automated workflow to manage any modifications to them.

## Data Change Tracker

Data Change Tracker functionality was created to address 21 CFR Part 11 within the life sciences industry. This regulation outlines its criteria for acceptance of electronic records, electronic signatures, and handwritten signatures. It allows electronic records to be considered equivalent to paper records and handwritten signatures. The Data Change Tracker can create a date, time, and user stamp of any change to the database with the customer selecting which fields they want to track. The tracker includes the ability to record changes made to key database fields which control overall system functionality such as system constants, automatic accounting instructions, and security settings. These recorded data changes can then be accessed by custom reports to support a variety of compliance requirements including 21 CFR Part 11 and Sarbanes-Oxley.

## Data Privacy

Data Privacy ensures that personal data is not visible to unauthorized users.

## Data Relationships

Customers often establish hierarchies or other relationships within their business unit or contract master columns to support business processes. With the Data Relationships functionality, these relationships can be more easily maintained with tighter controls and increased efficiency of data entry. This results in better data integrity and more accurate reporting.

## Desktop Access to Financial and Compliance Data

Operational dashboards are the new front door to analytics for rapid and timely access to financial and compliance information across your business. Many businesses want to put analytics capability into the hands of operational users so they can better communicate operational goals at the line of business level and users can immediately identify offending problems across their operation.

Without analytics to view organizational health, companies can be unaware of an out-of-tolerance condition that may be impacting operations. A supplier delivering poor quality parts may be driving returns higher throughout a particular month. Without proper vigilance through an analytics application, the knowledge of this condition may not exist until the end of the month or quarter when analysts look into the high number or returns. This knowledge gap results in increased costs and lost value to the organization.

With Oracle's JD Edwards EnterpriseOne One View Reporting, users can create their own reports to monitor their operational tasks and identify possible issues easily and quickly. Users can tailor each report to their own needs. Organizations can create dashboards, pages, and reports that can be shared ensuring the organization has consistent real time visibility into their operations.

## Expense Policies

Expense policies allow the organization to setup specific rules for expense reporting by its employees. These policies govern everything from amount limits to preferred suppliers. These policies ensure that expenses that are reported meet the organizations requirements.



## Foundation Calendar

The Foundation Calendar provides core calendaring functionality, which is directly integrated to JD Edwards EnterpriseOne products. The calendar is designed to track activities, tasks, and events across a variety of entities including people, companies, and branch plants. Each calendar created can have a defined work day and work week.

Activities can be assigned to the calendar directly using calendaring application or automatically by linking calendar entries to specific activities within the system workflow. In addition to scheduling meetings, events, and tasks, the calendar can also be used to schedule resources by assigning users to an activity.

The JD Edwards EnterpriseOne Calendar can be synched directly to Lotus Notes and Microsoft Outlook, giving you a connection between the JD Edwards EnterpriseOne system and time management systems people are comfortable using. The calendar can also be configured to send out alarms to users for activity notification purposes.

The calendaring functionality provides for monitoring of internal controls defined within the workflow functionality. Based upon the configuration of workflow, an email notification can be sent and a calendar entry can be created when a specific event occurs. In addition, calendar entries can be created directly using the tool to track activities as defined by the compliance team within an organization.

## Health and Safety Incident Management

JD Edwards EnterpriseOne Health and Safety Incident Management provides you with a comprehensive solution to track and manage incidents of all types. One View Reporting for Health and Safety Incident Management provides the tools to analyze incidents on a myriad of dimensions to gain valuable insight into who, what, where, when, and why for your incidents, as well as calculate the important incident safety statistics.

## Hierarchical Approval Routing

Hierarchical Approval Routing ensures approvers for transactions to be selected based upon the amount of the transaction.

## Integrated Postings to G/L

JD Edwards EnterpriseOne Financial Management software is a set of applications built together from the ground up instead of a series of separate applications that are integrated together. JD Edwards EnterpriseOne transactions generated from applications such as, Accounts Payable, Accounts Receivable, Payroll, Fixed Assets systems, Manufacturing, and Distribution automatically create entries to the JD Edwards EnterpriseOne General Ledger in real time, providing enterprise-wide data integrity.

## Integrity Reports

Integrity reports supplement internal procedures by helping companies locate any data inconsistencies. These reports can be run between multiple applications as well as within the general ledger itself, helping to ensure data integrity throughout the enterprise.

## JDE Standard Documentation

JD Edwards EnterpriseOne documentation comes pre-populated with more than 630 business processes based on industry best practices. With JD Edwards EnterpriseOne documentation, companies are able to quickly and easily describe and validate internal control systems for auditors. They can also use the same information to feed other documents, ensuring consistent communications throughout the organization.

## On-Demand Audit Trails

Audit logs can be set for many different types of activities, including purging, invoice creation, approvals, and payroll. Because activity is tracked by accounting and transaction entry date, a clear audit trail can be captured at any time.

## One View Reporting

With Oracle's JD Edwards EnterpriseOne One View Reporting, users can create their own reports to monitor their operational tasks and identify possible issues easily and quickly. Users can tailor each report to their own needs. Reports can also be shared with other users as needed to ensure the organization has a consistent view of their information.

## One View Reporting Security

One View Reporting security ensures that only authorized users and roles are allowed access to create, run, or publish One View Reports. This ensures that users are not viewing reports and data that are not appropriate for their role.

## Order Activity Rules

Order activity rules define the path a sales order or purchase order can take through the system. These rules are defined based upon the type of order being processed. These activity rules prevent orders from skipping processes that have been defined as required by the organization.

## Payee Control

Payee control is an audit feature that helps to ensure that one person cannot commit and conceal an error or act of fraud of selected, critical payee information. When monitored changes are made, this feature holds payments to the payee pending review and approval of changed information. You use payee control to control changes that are made to selected, critical payee and bank account information. One person enters the change and another approves it. Thus, the involvement of two people is required to make changes that affect payments. Until a change is approved, the system prevents automatic payments to a payee for whom controlled information has been changed.

## Positive Pay

Technology has increasingly facilitated the ability of criminals to create counterfeit checks and false identification that can be used to engage in fraudulent check activities. As a result, companies must adopt practices to protect against check fraud. Positive pay can provide this protection for companies by enabling them to create a file of check information that their banking institutions can use when determining whether to issue payment for checks.

When you use positive pay, you create a file for your bank that includes information for each check that you printed during the day, such as check number, date, amount, and account number. The bank compares the information on the checks that they receive with the information in this file, and if the information for any of the checks does not match the file, the system does not pay the checks.

## Processing Options

Processing options control the flow of business processes within the system. For example, a processing option can be set within the sales order entry application to prevent changes in an order after a particular predefined status has been reached, such as after inventory has shipped. Processing options can vary based on individual user roles, allowing for flexibility and tight control of the system.

## Row and Column Security

Row security secures users from accessing a particular range or list of records in any table. For example, if you secure a user from accessing data about business units 1 through 10, the user cannot view the records that pertain to those business units.

Column security secures users from viewing a particular field or changing a value for a particular field in an application or application version. This item can be a database or non-database field that is defined in the data dictionary, such as the work/calculated fields. For example, if you secure a user from viewing the Salary field on the Employee Master application, the Salary field does not appear on the form when the user accesses that application.

## Security Reporting

This feature provides customers the ability to report which users have access to JD Edwards EnterpriseOne applications, UBEs, and tables, and what level of access the user ID or role is granted. The report can be filtered by an object, system code, or object type for any user or role combination.

## System Constants

System constants provide system-wide control of the way an application works, regardless of individual user roles. For example, a system constant can be used if a company wants to control posting of journal entries into a prior closed period, no matter who in the organization initiates the transaction. The system constant can be set to either allow the posting and show a warning or disallow the posting.

## User Productivity Kit

JD Edwards EnterpriseOne delivers pre-built content for UPK that covers much of the EnterpriseOne system. This content can be modified by each organization to reflect their particular implementation of each process. Utilizing UPK will provide the ability for organizations to document their business process, how to use the software to follow this process, and train their staff in a consistent manner.

## Valid Account Edit

Account validations occur throughout the EnterpriseOne processes ensuring that only valid and active accounts are used for transactions.

## Version Control

Version control is used to ensure only specific users or roles have access to processing option setup and data selection for applications and batch processes. This maintains the integrity of the processing option setup and data selection used to control how transactions flow through the system.


## One View Watchlists

This feature allows users to define and keep watch over key metrics that can be queried from any JD Edwards EnterpriseOne application. The One View Watchlists refresh based on configuration and are displayed for easy access in a Watchlist drop down menu. With this capability, a user can monitor for things such as batches that need to be approved, general ledger batches in error, and payee control approval requests.

## Workflow

Workflow functionality is used for the paper-based tasks that typically beleaguer attempts to automate processes. Workflow enables an organization to implement any type of audit control it deems necessary by using user-defined rules, routes, and roles. Companies can use workflow to automate business processes





by establishing how tasks are passed from one employee to another for action. For example, companies can automate a high volume, formerly paper-based process—such as credit approval—into an email-based process. Workflow management can be used anywhere in the organization in and between any JD Edwards EnterpriseOne application. The result is an automated and efficient process with minimal user involvement. Besides allowing companies to automate processes, this will help them to streamline their processes, increase efficiencies, and reduce processing time.

### Workflow Delegation

Workflow delegation gives users that will be away from the office the ability to assign a delegate to their workflow processes. This ensures that processes are not halted due to an individual's absence.

### Web Service Security

Web Service Security controls access to utilize published web services (business services). For published business services, JD Edwards EnterpriseOne uses a "secure by default" security model which means that users cannot access published business service unless a security record exists that authorizes access. This prevents other systems from accessing JD Edwards EnterpriseOne data and functionality unless specifically authorized to do so.

## Oracle Governance, Risk and Compliance Management Feature Descriptions

This section provides additional information on each of the features identified as an available feature to assist with your compliance process and goals.

### GRC Controls - Transaction Controls Governor – Transaction Monitoring

- » Continuously monitor accuracy of transactions and mitigate exposure to fraud
- » Test against thresholds
- » Search for anomalies
- » Perform transaction sampling

Transaction Controls Governor delivers a unique combination of advanced pattern and policy based analysis along with the ability to automate the continuous monitoring of all your controls and all your transactions in a unified reporting tool.

This comprehensive approach detects fraud and errors that circumvents standard auditing techniques. Risk managers and internal audit can also monitor 100% of transactions across heterogeneous systems and complex business processes like procure-to-pay and order to cash. Advanced analysis tools are available to provide capabilities such as running a trended "Benford Pattern Analysis" to identify patterns that indicate 'non-normal or 'outlier' transaction.

User friendly drag and drop functionality across controls and systems enable end-to-end business process controls and reporting capabilities that can be easily created and updated by the business users and management that are actually using the data, and responsible for business process performance and risk mitigation. It also reduces the burden on IT resources from having to respond to numerous request form audit and management for risk and controls reports.

### GRC Controls - Application Access Controls Governor – SOD and Access

- » Simplify segregation of duties enforcement with simulation and remediation.
- » Mitigate risk of privileged user access to enterprise applications with approval workflow and audit trails.
- » Accelerate deployment and time to value with pre-delivered controls library.

SOD refers to the separation of business activities that a single person may initiate and/or validate, in order to limit or prevent erroneous or fraudulent activities. Business activities are enabled through the respective access points within an application (ex. Create Invoices, Post Journal Entries, Make Payments...) An access point is any level node in the access model hierarchy for a particular application.

With the Application Access Controls Governor you can view conflict details online with interactive screens to sort, search and filter user, role and other conflict information. Use a visualization feature to view conflict paths in a graphical format and easily identify inter- and intra-role conflicts. Also use work queue management to delegate and assign remediation and review tasks to process owners, auditors, and/or security administrator. You can also track the status of remediation activities by user. Remediation can be done using simulations. Several simulations can be created which visually represent a selected access point's hierarchy in the security model. It will show the impact of the simulation for Users, Policies and Roles. Remediation plans can be viewed, saved, printed, or emailed. These plans are used by an administrator to clean up a business system. SOD conflict workflow is sent to the control owner with details. An approver can then comments and approve as they see fit.

All of the controls activity is tied back to reporting and documentation in the Enterprise GRC Manager (EGRCM) for audit reliance.

#### GRC Controls - Configuration Controls Governor – Application Configuration

- » Achieve consistent application setup and operating standards across multiple instances.
- » Track complete audit trails for changes to key configurations.
- » Tightly control change management to accelerate development and test time.

Change Tracking	<ul style="list-style-type: none"> <li>• Alert users whenever changes occur</li> <li>• Dashboard summarizes changes in all environments</li> <li>• Drill down to see details of all changes</li> <li>• Export change details to CSV (Excel) and PDF</li> </ul>
Snapshots & Comparisons	<ul style="list-style-type: none"> <li>• Document all setup values seen in the original applications</li> <li>• Compare two environments' values (e.g., Production vs. a best-practice baseline), or snapshots from two points in time</li> <li>• Export all details to CSV (Excel) and PDF</li> </ul>
Comprehensive Data Security	<ul style="list-style-type: none"> <li>• Control the business data seen by each CCG user</li> <li>• Control the actions each CCG user can take</li> <li>• Install Configuration Controls Governor in firewalled tier</li> </ul>
Flexible	<ul style="list-style-type: none"> <li>• Reconfigure Change Tracking on demand</li> <li>• Schedule Snapshot schedules, and take Snapshots on demand</li> <li>• Generate Comparisons on demand</li> <li>• Add new business environments on demand</li> </ul>

Configuration Controls Governor – Application Configuration

## GRC Intelligence – GRC Reporting and Analysis

- » 100+ pre-built KPIs for Risk, Certification, Controls, and Issues enable personalized reporting.
- » Self-service analysis and reporting with interactive dashboards and automated alerts.
- » Risk-based scoping with integrated account balance and GRC information.

Overall	<ul style="list-style-type: none"><li>• Business Process Heatmap</li><li>• Controls Heatmap</li><li>• Regulatory Compliance Status</li></ul>
Controls	<ul style="list-style-type: none"><li>• Controls Summary</li><li>• Controls Test Summary</li><li>• Control Failures by Risk Type</li></ul>
Issues	<ul style="list-style-type: none"><li>• Issues Summary</li><li>• Issues by Owner</li><li>• Issues by Materiality</li></ul>
Risks	<ul style="list-style-type: none"><li>• High Risk Processes</li><li>• Risk by Process Owners</li><li>• Risk by Process – Issues Aging</li></ul>
Testing	<ul style="list-style-type: none"><li>• Testing Coverage, Current vs. Prior Year</li><li>• Audit and Process Test Issues</li><li>• Testing Cycle Times by Owner</li></ul>
Certification	<ul style="list-style-type: none"><li>• Certification Summary</li><li>• Design &amp; Operating Effectiveness</li><li>• Assessments Completion Status</li></ul>

## GRC Intelligence – GRC Reporting and Analysis

### Enterprise GRC Manager: Risk and Compliance Process

- » Central repository for policy, risk and compliance documentation
- » Automate certifications, audits, and management assessments
- » Capture issues and manage remediation

Common Processes	<ul style="list-style-type: none"><li>• Identify Requirements</li><li>• Establish Objectives</li><li>• Assess Risk</li><li>• Evaluate Controls</li><li>• Remediate Issues</li><li>• Report and Respond</li></ul>
Common Components	<ul style="list-style-type: none"><li>• Regulations</li><li>• Mandates</li><li>• Frameworks</li><li>• Process</li><li>• Risks</li><li>• Controls</li><li>• Systems</li></ul>

## GRC Manager – Risk and Compliance Process

### Oracle Validated Integrations

There are Oracle Validated integrations available for the Oracle Governance, Risk, and Compliance Management and JD Edwards EnterpriseOne products. These can be found at the following link:

<http://www.oracle.com/us/partnerships/solutions/index.html>



## Conclusion





Today, companies are under the intense scrutiny of government organizations, regulators, auditors, financial institutions, and individual shareholders. This scrutiny requires companies to transform the finance function, eliminate complexity and uncertainty, and enable greater financial transparency and corporate disclosure. With Oracle and JD Edwards EnterpriseOne, companies are able to create the foundation for the necessary best practices and process-based approach to regulatory compliance, ensuring that financial reporting and corporate disclosure requirements are met consistently and managed effectively.



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